



City of Milwaukee

City Hall
200 East Wells Street
Milwaukee, WI 53202

Meeting Agenda PUBLIC WORKS COMMITTEE

ALD. ROBERT BAUMAN, CHAIR

Ald. Joseph Dudzik, Vice-Chair

Ald. Willie Wade, Ald. Robert Donovan, and Ald. Robert Puente

Staff Assistant, Tobie Black, 286-2231

Fax: 286-3456, tblack@milwaukee.gov

Legislative Liaison, Aaron Cadle, 286-8666,

acadle@milwaukee.gov

Wednesday, March 7, 2012

9:00 AM

Room 301-B, City Hall

AMENDED 3-6-12- Item numbered #16 (File 111198) has been added.

1. [111473](#) Resolution relative to approving the levying of assessments and construction of assessable public improvement projects at various locations and appropriating funds for these purposes.
Sponsors: THE CHAIR

2. [111472](#) Resolution determining it necessary to make various assessable public improvements at various locations and appropriating funds for these purposes with the City engineering cost estimated to be \$124,000 for a total estimated cost of these projects being \$3,926,500.
Sponsors: THE CHAIR

3. [111474](#) Resolution determining it necessary to make various nonassessable public improvements at various locations and appropriating funds for these purposes with the City engineering cost estimated to be \$576,000 for a total estimated cost of these projects being \$9,772,000.
Sponsors: THE CHAIR

4. [111475](#) Resolution approving construction of nonassessable public improvements at various locations and appropriating funds for these purposes with the City construction cost estimated to be \$7,263,000 for a total estimated cost of these projects being \$7,894,000.
Sponsors: THE CHAIR

5. [111476](#) Substitute resolution authorizing city-wide sidewalk replacement at Scattered Sites and appropriating funds for these purposes with the city construction cost estimated to be \$640,000 for a total estimated cost of these projects being \$690,000.
Sponsors: THE CHAIR

6. [111477](#) Resolution authorizing the transfer of funds from the Street Improvement-State and Federal Aid Program to the Street Reconstruct or Resurface Program - Regular City Program for funding of local street improvements under the Local Roads Improvement

Program, with the City's cost being \$1,192,699.48, and the grantor's cost being \$982,300.52, for a total estimated cost of \$2,175,000.

Sponsors: THE CHAIR

7. [111441](#) Resolution approving a Third Amendment to an Easement and Lease Agreement with West Shore Pipeline Company.
Sponsors: THE CHAIR
8. [111442](#) Resolution approving an Easement and Lease Agreement with the Milwaukee Metropolitan Sewerage District.
Sponsors: THE CHAIR
9. [111443](#) Resolution approving a Lease Agreement with Discovery World.
Sponsors: THE CHAIR
10. [111444](#) Resolution approving a Three-Year Harbor Statement of Intentions for the Port of Milwaukee.
Sponsors: THE CHAIR
11. [111405](#) Resolution authorizing a Purchase, Sale and Redevelopment Agreement for the East Library at 1910 East North Avenue with HSI Properties, LLC, in the 3rd Aldermanic District.
Sponsors: Ald. Kovac
12. [111392](#) Substitute resolution to vacate a portion of East Thomas Avenue, the south side, between North Cramer Street and North Murray Avenue, in the 3rd Aldermanic District.
Sponsors: THE CHAIR
13. [111361](#) Substitute resolution relating to application, acceptance and funding of a USDA Forest Service Great Lakes Restoration Initiative Grant (Department of Public Works) "Restoring Milwaukee's Tree Canopy on Residential Property in Response to Emerald Ash Borer."
Sponsors: THE CHAIR
14. [111507](#) Resolution directing the Commissioner of Public Works to execute project agreements titled "State Municipal Agreement for a Highway Improvement Project" with the Wisconsin Department of Transportation for the programming, design and construction of various paving projects with 80 percent Federal and State aid under the Surface Transportation Program, and to set up funds for design engineering at a total estimated cost of \$1,661,000 and an estimated City of Milwaukee share of \$332,200, and a grantor share of \$1,328,800.
Sponsors: Ald. Bohl
15. [111514](#) Resolution authorizing the Department of Public Works and the City Comptroller to execute an agreement between Milwaukee County, the City of Milwaukee and the City of Oak Creek for the installation, operation and maintenance of street lighting facilities on East College Avenue from South Howell Avenue to South Pennsylvania Avenue.

Sponsors: Ald. Witkowski

16. [111198](#) Substitute resolution authorizing the Department of Public Works to accept a donation of solar-powered street signs and installation services to evaluate solar-powered signs as an environmentally-friendly alternative to conventional street signage.
Sponsors: Ald. Witkowski
17. [111492](#) Resolution relative to the cost participation and installation of temporary and permanent traffic control devices in conjunction with Phase 1 Federal and State Aid mitigation construction of the Zoo Interchange Project in the 10th Aldermanic District at a total estimated cost of \$120,000, with one hundred percent of the total cost funded by the Wisconsin Department of Transportation.
Sponsors: Ald. Murphy
18. [111498](#) Resolution relative to the cost participation and installation of temporary and permanent street lighting facilities in conjunction with Phase 1 Federal and State Aid mitigation construction of the Zoo Interchange Project in the 10th Aldermanic District at a total estimated cost of \$51,205.58, with one hundred percent of the total cost funded by the Wisconsin Department of Transportation.
Sponsors: Ald. Murphy
19. [111479](#) Resolution relative to the cost participation and installation of street lighting facilities in conjunction with the State and Federal Aid paving of West Capitol Drive from North 60th Street to North 84th Street in the 2nd, 5th, and 10th Aldermanic Districts at a total estimated cost of \$256,572.15, with 100 percent of the total cost funded by the Wisconsin Department of Transportation.
Sponsors: THE CHAIR
20. [111435](#) Resolution authorizing the Commissioner of Public Works to execute an agreement with the Wisconsin Department of Transportation for the installation of a new traffic control signal on the connecting highway system on North Port Washington Avenue at the eastbound ramps on West Capitol Drive (STH 190).
Sponsors: THE CHAIR
21. [111478](#) Resolution authorizing the Commissioner of Public Works and Comptroller to execute a Project Agreement with the Wisconsin Department of Transportation for the installation of monotube mast arm mounted traffic signals at ten intersections and to fund preliminary engineering for the project in the 2nd, 5th, and 9th Aldermanic Districts at an estimated cost of \$225,000, with an estimated grantor share of \$202,500, and an estimated City share of \$22,500.
Sponsors: THE CHAIR
22. [111462](#) Resolution directing the Commissioner of Public Works to execute a Revised Project Agreement titled "State/Municipal Agreement for a State - Let Urbanized Area STP - Urban Project" with the Wisconsin Department of Transportation for the improvement of West Lloyd Street between North 60th Street and West Lisbon Avenue at a revised estimated total cost of \$3,652,000 at an 80 percent State and Federal Aid under the Surface Transportation Program with a City's share of \$826,400 which includes \$120,000

of non participating items at 100 percent City's cost and grantor's share of \$2,825,600 of which revised preliminary engineering cost is \$207,000 with the city's share being \$41,400 and the grantor's share being \$165,600.

Sponsors: THE CHAIR

23. [111499](#) Resolution authorizing City officials to enter into an Out-of-Program Agreement with Gorman and Company for the installation of a public alley, storm sewer, and sanitary sewer.

Sponsors: Ald. Wade

This meeting will be webcast live at www.milwaukee.gov/channel25.

Common Council members who are not members of this committee may attend this meeting to participate or to gather information. This meeting may constitute a meeting of the Common Council or any of its standing committees although no formal action will be taken at this meeting.

Upon reasonable notice, efforts will be made to accommodate the needs of persons with disabilities through sign language interpreters or auxiliary aids. For assistance contact the Legislative Services ADA Coordinator at 286-2998, (FAX)286-3456, (TDD)286-2025 or by writing to Room 205, City Hall, 200 E. Wells Street, Milwaukee, WI 53202.

Parking for persons attending City Hall meetings is available at reduced rates (5 hour limit) at the Milwaukee Center (southwest corner of E. Kilbourn Ave. and N. Water St.) Parking tickets must be validated in Room 205, (City Clerk's Office) or the first floor Information Booth in City Hall.

Persons engaged in lobbying as defined in s. 305-43-4 of the Milwaukee Code are required to register with the City Clerk's License Division. Lobbyists appearing before a Common Council committee are required to identify themselves as such. More information is available at www.milwaukee.gov/lobby.



Legislation Details (With Text)

File #: 111473 **Version:** 0

Type: Resolution **Status:** In Committee

File created: 2/28/2012 **In control:** PUBLIC WORKS COMMITTEE

On agenda: **Final action:**

Effective date:

Title: Resolution relative to approving the levying of assessments and construction of assessable public improvement projects at various locations and appropriating funds for these purposes.

Sponsors: THE CHAIR

Indexes: PUBLIC IMPROVEMENTS, STREET IMPROVEMENTS

Attachments: Official Notice Number 86, Cover Letter, Hearing Notice List

Date	Ver.	Action By	Action	Result	Tally
2/28/2012	0	COMMON COUNCIL	ASSIGNED TO		
3/2/2012	0	PUBLIC WORKS COMMITTEE	HEARING NOTICES SENT		
3/2/2012	0	PUBLIC WORKS COMMITTEE	HEARING NOTICES SENT		
3/2/2012	0	PUBLIC WORKS COMMITTEE	HEARING NOTICES SENT		

Number
111473
Version
ORIGINAL
Reference

Sponsor
THE CHAIR
Title
Resolution relative to approving the levying of assessments and construction of assessable public improvement projects at various locations and appropriating funds for these purposes.
Requestor
INFRASTRUCTURE SERVICES DEPARTMENT
Drafter
MLD:dr
Report 9
02/22/2012

**OFFICIAL NOTICE NUMBER 86
PUBLIC HEARING ON PROPOSED IMPROVEMENTS
AND SPECIAL ASSESSMENTS**

There will be a public hearing held by the Public Works Committee of the Common Council of the City of Milwaukee concerning the following improvements and special assessments. The Commissioner of Public Works has determined these improvements are necessary and in the public interest.

The hearing will be held at the date and time shown below:

<p>WEDNESDAY</p> <p>MARCH 7, 2012</p> <p>ROOM 301-B – CITY HALL</p> <p>9:00 A.M.</p>
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2nd Aldermanic District

W. Melvina St. – N. 51st Blvd. to N. 54th St. (ST211120142):

Asphalt pavement resurfacing, replace curb and gutter, sidewalk and driveway approaches where necessary, sodding (6-23 foot width of tree border area), and grading.

W. Spencer Pl. – W. Glendale Ave. to W. Hampton Ave. (ST211060114):

Asphalt pavement resurfacing, replace curb and gutter, sidewalk and driveway approaches where necessary, sodding (6-8 foot width of tree border area), and grading.

N. 65th St. – W. Lancaster Ave. to W. Villard Ave. (ST211120181):

Install traffic calming speed hump(s).

N. 65th St. – W. Melvina St. to W. Capitol Dr. (ST211110107):

Asphalt pavement resurfacing, replace curb and gutter, sidewalk and driveway approaches where necessary, sodding (6-8 foot width of tree border area), and grading.

N. 67th St. – W. Marion St. to W. Congress St. (ST211110108):

Asphalt pavement resurfacing, replace curb and gutter, sidewalk and driveway approaches where necessary, sodding (8-foot width of tree border area), and grading.

5th Aldermanic District

W. Courtland Ave. – N. 76th St. to W. Appleton Ave. (ST211110127):

Asphalt pavement resurfacing, replace curb and gutter, sidewalk and driveway approaches where necessary, sodding (6-8 foot width of tree border area), and grading.

N. 89th St. – W. Center St. to W. Burleigh St. (ST211120126):

Asphalt pavement resurfacing, replace curb and gutter, sidewalk and driveway approaches where necessary, sodding (8 foot width of tree border area), and grading.

8th Aldermanic District

S. 28th St. – W. Greenfield Ave. to W. Scott St. (ST211120167):

Install traffic calming speed hump(s).

S. 28th St. – W. Mitchell St. to W. Lapham St. (ST211120170):

Install traffic calming speed hump(s).

S. 32nd St. – W. Mitchell St. to W. Lapham St. (ST211120168):

Install traffic calming speed hump(s).

S. 50th St. – W. Oklahoma Ave. to W. Cleveland Ave. (ST211110106):

Asphalt pavement resurfacing, replace curb and gutter, sidewalk and driveway approaches where necessary, sodding (6-7 foot width of tree border area), and grading.

10th Aldermanic District

Alley between W. Melvina St., W. Vienna Ave., N. 67th St., and N. 68th St. (south half) (ST212120101):

Concrete alley pavement reconstruction, replace some abutting sidewalk or driveway approach, and grading.

11th Aldermanic District

S. 78th St. – W. Verona Ct. to W. Ohio Ave. (ST211110118):

Asphalt pavement resurfacing, replace curb and gutter, sidewalk and driveway approaches where necessary, sodding (7-8 foot width of tree border area), and grading.

12th Aldermanic District

Alley between W. Bruce St., W. Virginia St., S. 1st St., and S. 2nd St. (ST21290126):

Concrete alley pavement reconstruction, replace some abutting sidewalk or driveway approach, and grading.

Alley between S. Congo Ave., W. Rogers St., and S. 19th St. (ST212020105):

Concrete alley pavement reconstruction, replace some abutting sidewalk or driveway approach, and grading.

Alley between W. Historic Mitchell St., W. Maple St., S. 5th St., and S. 6th St. (East West Leg) (ST212020113):

Concrete alley pavement reconstruction, replace some abutting sidewalk or driveway approach, and grading.

13th Aldermanic District

W. Wanda Ave. – S. 14th St. to S. 15th Pl. (ST211050134):

Asphalt pavement resurfacing, replace all curb and gutter, replace sidewalk and driveway approaches where necessary, sodding (7 foot width of tree border area), and grading.

You may examine a copy of the report recommending these projects in Room 908, 841 North Broadway, Milwaukee, Wisconsin during the hours of 8:30 A.M. and 4:30 P.M., Monday through Friday.

This notice is published by authority of the Common Council of the City of Milwaukee in accordance with Section 66.0703 and any other pertinent sections of the Wisconsin Statutes and in the manner directed by Section 115-42 of the Milwaukee Code of Ordinances.

Office of the City Clerk, Milwaukee

Ronald D. Leonhardt, City Clerk

February 21, 2012

February 22, 2012

File Number 111473

To the Honorable, the Common Council

Dear Council Members:

The Common Council has adopted preliminary resolutions which determined it necessary and in the public interest to make various public improvements and to make special assessments therefore.

The Commissioner of Public Works is filing this report consisting of a list of projects. This report is subject to amendment at the next Public Works Committee Hearing. The plans and specifications of said improvements are on file in the City Engineer's Office.

I am herewith submitting a report regarding the above matter and recommend adoption of the amended resolution approving same.

Very truly yours,

Jeffrey S. Polenske, P.E.
City Engineer

MLD:dr
Afr 9
Report Appended



Legislation Details (With Text)

File #: 111472 **Version:** 0

Type: Resolution **Status:** In Committee

File created: 2/28/2012 **In control:** PUBLIC WORKS COMMITTEE

On agenda: **Final action:**

Effective date:

Title: Resolution determining it necessary to make various assessable public improvements at various locations and appropriating funds for these purposes with the City engineering cost estimated to be \$124,000 for a total estimated cost of these projects being \$3,926,500.

Sponsors: THE CHAIR

Indexes: ALLEY IMPROVEMENTS, PUBLIC IMPROVEMENTS, STREET IMPROVEMENTS

Attachments: Hearing Notice List

Date	Ver.	Action By	Action	Result	Tally
2/28/2012	0	COMMON COUNCIL	ASSIGNED TO		
3/2/2012	0	PUBLIC WORKS COMMITTEE	HEARING NOTICES SENT		
3/2/2012	0	PUBLIC WORKS COMMITTEE	HEARING NOTICES SENT		
3/2/2012	0	PUBLIC WORKS COMMITTEE	HEARING NOTICES SENT		

Number

111472

Version

ORIGINAL

Sponsor

THE CHAIR

Title

Resolution determining it necessary to make various assessable public improvements at various locations and appropriating funds for these purposes with the City engineering cost estimated to be \$124,000 for a total estimated cost of these projects being \$3,926,500.

Analysis

This resolution authorizes engineering studies and directs the Commissioner of Public Works to determine any benefits or damages which would result if the projects were to be constructed. After the Commissioner files his report, a Public Hearing will be held on those projects determined assessable. A resolution will be submitted after the Public Hearing authorizing construction. The City cost for engineering these projects is estimated to be \$124,000 with the total cost estimated to be \$3,926,500.

Body

Resolved, By the Common Council of the City of Milwaukee that it is necessary and in the public interest to do the following described work according to City specifications, and that such public improvements and resulting special assessments be made pursuant to Section 66.0703 and any other pertinent sections of the Wisconsin Statutes and in the manner directed by Section 115-42 of the Milwaukee Code of Ordinances:

1st Aldermanic District

N. 49th St. - W. Hampton Ave. to W. Villard Ave. (ST211060121): Paving the roadway with asphalt. Laying a concrete curb and gutter. Laying concrete sidewalk. Doing all the necessary grading pertaining to said work. (Nonassessable Reconstruction Paving Fund -- \$5,000, Additional Funds). The total estimated cost for this project including the requested amount is \$408,000. This project is anticipated to be completed during the 2013 construction season.

2nd Aldermanic District

Alley between W. Capitol Dr., W. Fiebrantz Ave., W. Fond du Lac Ave., N. 50th St., and N. 51st Blvd. (ST212120103): Paving the alley with concrete. Doing all the necessary grading pertaining to said work. (Nonassessable Alley Paving Fund -- \$5,000, Additional Funds). The total estimated cost for this project including the requested amount is \$85,000. This project is anticipated to be completed during the 2013 construction season.

8th Aldermanic District

S. 38th St. - W. Burnham St. to W. Mitchell St. (ST211060157): Paving the roadway with asphalt. Laying a concrete curb and gutter. Laying concrete sidewalk. Doing all the necessary grading pertaining to said work. (Nonassessable Reconstruction Paving Fund -- \$6,000, Additional Funds). The total estimated cost for this project including the requested amount is \$152,000. This project is anticipated to be completed during the 2013 construction season.

Alley between W. Mineral St., W. National Ave., S. 21st St., and S. 22nd St. (ST212120111): Paving the alley with concrete. Doing all the necessary grading pertaining to said work. (Nonassessable Alley Paving Fund -- \$8,000). The total estimated cost for this project including the requested amount is \$56,000. This project is anticipated to be completed during the 2013 construction season.

9th Aldermanic District

W. County Line Rd. - N. Swan Rd./N. 91st St. to 200 feet m/l east of N. 107th St. (Portions in the City of Mequon) (ST211200187): Paving the roadway with asphalt. Rural cross section. Doing all the necessary grading pertaining to said work. (Nonassessable Reconstruction Paving Fund -- \$30,000). The total estimated cost for this project including the requested amount is \$1,000,000. This project is anticipated to be completed during the 2012 construction season.

10th Aldermanic District

Alley between W. Beckett Ave., W. Melvina St, W. Vienna Ave., and N. 70th St. (ST212120106): Paving the alley with concrete. Doing all the necessary grading pertaining to said work. (Nonassessable Alley Paving Fund -- \$8,000). The total estimated cost for this project including the requested amount is \$64,500. This project is anticipated to be completed during the 2013 construction season.

11th Aldermanic District

W. Warnimont Ave. - W. Eden Pl. to S. Massachusetts Ave. (ST211120117): Paving the roadway with asphalt. Laying a concrete curb and gutter. Laying concrete sidewalk. Doing all the necessary grading pertaining to said work. (Nonassessable Reconstruction Paving Fund -- \$6,000, Additional

Funds). The total estimated cost for this project including the requested amount is \$99,000. This project is anticipated to be completed during the 2012 construction season.

Alley between S. Honey Creek Dr., W. Plainfield Ave., S. 58th St., and S. 60th St. (ST212120107): Paving the alley with concrete. Doing all the necessary grading pertaining to said work. (Nonassessable Alley Paving Fund -- \$6,000). The total estimated cost for this project including the requested amount is \$62,000. This project is anticipated to be completed during the 2013 construction season.

City Wide

2012 Sidewalk Program Engineering (ST230120140): (Nonassessable 2012 Budgeted Funds -- \$50,000, Additional Funds). The total estimated cost for this project including the requested amount is \$2,000,000. This project is anticipated to be completed during the 2012 construction season.

; and, be it

Further Resolved, That the abutting and adjacent properties be assessed a portion of the cost, said assessment to be recommended by the Commissioner of Public Works in his report; and, be it

Further Resolved, That all assessments and payments be made in accordance with Section 115-42 of the Milwaukee Code of Ordinances; and, be it

Further Resolved, That all City departments are authorized to do engineering, surveying, preparing of plans, and estimates of cost thereof, to be utilized in the preparation of said report of the Commissioner of Public Works; and, be it

Further Resolved, That the Department of Public Works is authorized to use the funding as specified in the above description of work; and, be it

Further Resolved, That the City Comptroller is authorized and directed to transfer such funds which are available for this purpose to the appropriate capital Project/Grant accounts.

Requestor
Infrastructure Services Division
Drafter
MLD:dr
Apr 9
02/22/2012



Legislation Details (With Text)

File #: 111474 **Version:** 0

Type: Resolution **Status:** In Committee

File created: 2/28/2012 **In control:** PUBLIC WORKS COMMITTEE

On agenda: **Final action:**

Effective date:

Title: Resolution determining it necessary to make various nonassessable public improvements at various locations and appropriating funds for these purposes with the City engineering cost estimated to be \$576,000 for a total estimated cost of these projects being \$9,772,000.

Sponsors: THE CHAIR

Indexes: PUBLIC IMPROVEMENTS, SANITARY SEWERS, SEWER IMPROVEMENTS, SEWERS, STORM SEWERS, WATER MAINS

Attachments: Hearing Notice List

Date	Ver.	Action By	Action	Result	Tally
2/28/2012	0	COMMON COUNCIL	ASSIGNED TO		
3/2/2012	0	PUBLIC WORKS COMMITTEE	HEARING NOTICES SENT		
3/2/2012	0	PUBLIC WORKS COMMITTEE	HEARING NOTICES SENT		

Number

111474

Version

ORIGINAL

Sponsor

THE CHAIR

Title

Resolution determining it necessary to make various nonassessable public improvements at various locations and appropriating funds for these purposes with the City engineering cost estimated to be \$576,000 for a total estimated cost of these projects being \$9,772,000.

Analysis

This resolution authorizes engineering studies on projects which by City Charter are nonassessable. After design plans and estimates of costs have been prepared, a resolution authorizing construction will be submitted to the Common Council. The City cost for engineering these projects is estimated to be \$576,000 with the total cost estimated to be \$9,772,000.

Body

Resolved, By the Common Council of the City of Milwaukee, that it is necessary and in the public interest to do the following described improvements according to City specifications:

1st and 6th Aldermanic Districts

W. Capitol Dr. - N. 13th St. to N. 15th St. (SM495120025): Sanitary and storm relay. (Nonassessable Sewer Maintenance Relay Fund -- \$15,000). The total estimated cost for this project including the requested amount is \$311,000. This project is anticipated to be completed during the 2012 construction season.

2nd and 7th Aldermanic Districts

N. 56th St. - W. Keefe Ave. to W. Melvina St. (SM495120023): Sanitary and storm sewer lining. (Nonassessable Sewer Maintenance Relay Fund -- \$15,000). The total estimated cost for this project including the requested amount is \$219,000. This project is anticipated to be completed during the 2012 construction season.

3rd Aldermanic District

N. Astor St. - E. Hamilton St. to 170 feet m/l north of E. Land Pl. (SM495110085): Relaying combined sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$12,000). The total estimated cost for this project including the requested amount is \$89,000. This project is anticipated to be completed during the 2012 construction season.

N. Cambridge Ave. - E. Locust St. to 455 feet m/l north of E. Locust St.; and E. Locust St. - 230 feet m/l east of N. Cambridge Ave. to N. Cambridge Ave. (SM495110064): Relaying combined sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$15,000). The total estimated cost for this project including the requested amount is \$205,000. This project is anticipated to be completed during the 2012 construction season.

N. Farwell Ave. - E. Brady St. to E. Royall Pl. (SM495120308): Relay combined sewer and sanitary sewer lining. (Nonassessable Sewer Maintenance Relay Fund -- \$15,000). The total estimated cost for this project including the requested amount is \$597,000. This project is anticipated to be completed during the 2012 construction season.

N. Farwell Ave. - E. Ogden Ave. to E. Brady St. (SM495120310): Combined sewer lining. (Nonassessable Sewer Maintenance Relay Fund -- \$15,000). The total estimated cost for this project including the requested amount is \$873,000. This project is anticipated to be completed during the 2012 construction season.

Alley between E. Brady St., N. Prospect Ave., E. Royall Pl., and N. Farwell Ave. (SM495110067): New storm sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$12,000). The total estimated cost for this project including the requested amount is \$53,000. This project is anticipated to be completed during the 2012 construction season.

3rd and 4th Aldermanic Districts

N. Prospect Ave. - E. Albion St. to E. Royall Pl. (SM495120309): Combined sewer lining. (Nonassessable Sewer Maintenance Relay Fund -- \$15,000). The total estimated cost for this project including the requested amount is \$196,000. This project is anticipated to be completed during the 2012 construction season.

N. Prospect Ave. - E. Ogden Ave. to E. Curtis Pl. (SM495120307): Combined sewer lining and relay storm sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$15,000). The total estimated cost for this project including the requested amount is \$409,000. This project is anticipated to be completed during the 2012 construction season.

4th Aldermanic District

N. Edison St. - E. State St. to E. Highland Ave. (SM495110086): Combined sewer lining. (Nonassessable Sewer Maintenance Relay Fund -- \$1,000). The total estimated cost for this project including the requested amount is \$50,000. This project is anticipated to be completed during the 2012 construction season.

N. 4th St. - W. Clybourn St. to W. Wisconsin Ave. (SM495120303): Combined and sanitary sewer lining. (Nonassessable Sewer Maintenance Relay Fund -- \$15,000). The total estimated cost for this project including the requested amount is \$479,000. This project is anticipated to be completed during the 2012 construction season.

N. 4th St. - W. Wisconsin Ave. to W. Kilbourn Ave. (SM495120304): Combined and sanitary sewer lining. (Nonassessable Sewer Maintenance Relay Fund -- \$15,000). The total estimated cost for this project including the requested amount is \$304,000. This project is anticipated to be completed during the 2012 construction season.

N. 4th St. - W. Kilbourn Ave. to W. Highland Ave. (SM495120305): Combined and sanitary sewer lining. (Nonassessable Sewer Maintenance Relay Fund -- \$15,000). The total estimated cost for this project including the requested amount is \$381,000. This project is anticipated to be completed during the 2012 construction season.

N. 4th St. - W. Highland Ave. to W. Juneau Ave. (SM495120306): Combined and sanitary sewer lining. (Nonassessable Sewer Maintenance Relay Fund -- \$15,000). The total estimated cost for this project including the requested amount is \$382,000. This project is anticipated to be completed during the 2012 construction season.

N. 24th St. - W. State St. to W. Highland Ave. (SM495120027): Relaying combined sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$15,000). The total estimated cost for this project including the requested amount is \$56,000. This project is anticipated to be completed during the 2012 construction season.

4th and 6th Aldermanic Districts

W. Juneau Ave. - N. Old World Third St. to N. 5th St. (SM495120302): Relay combined sewer and sanitary lateral lining. (Nonassessable Sewer Maintenance Relay Fund -- \$15,000). The total estimated cost for this project including the requested amount is \$577,000. This project is anticipated to be completed during the 2012 construction season.

5th Aldermanic District

N. 82nd St. - W. Locust St. to W. Chambers St. (SM495110054): Storm sewer lining. (Nonassessable Sewer Maintenance Relay Fund -- \$12,000). The total estimated cost for this project including the requested amount is \$58,000. This project is anticipated to be completed during the 2012 construction season.

6th Aldermanic District

E. Glover Ave. - N. Booth St. to 200 feet m/l east of N. Booth St. (SM495120022): New storm sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$12,000). The total estimated cost for this project including the requested amount is \$48,000. This project is anticipated to be completed during

the 2012 construction season.

N. Teutonia Ave. - W. Hadley St. to W. Locust St. (SM495110065): Relaying combined sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$15,000). The total estimated cost for this project including the requested amount is \$127,000. This project is anticipated to be completed during the 2012 construction season.

N. 10th St. - W. Nash St. to W. Abert Pl. (SM495120031): Sanitary lining. (Nonassessable Sewer Maintenance Relay Fund -- \$15,000). The total estimated cost for this project including the requested amount is \$65,000. This project is anticipated to be completed during the 2012 construction season.

N. 12th St. - W. Abert Pl. to W. Capitol Dr. (SM495120032): Relay sanitary sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$15,000). The total estimated cost for this project including the requested amount is \$209,000. This project is anticipated to be completed during the 2012 construction season.

N. 13th St. - W. Burleigh St. to W. Ring St. (SM495100241): Relaying combined sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$10,000, Additional Funds). The total estimated cost for this project including the requested amount is \$292,000. This project is anticipated to be completed during the 2012 construction season.

N. 22nd St. - W. Hopkins St. to W. Keefe Ave. (SM495120021): Relaying combined sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$15,000). The total estimated cost for this project including the requested amount is \$336,000. This project is anticipated to be completed during the 2012 construction season.

N. 23rd St. - W. Auer Ave. to W. Hopkins St. (SM495110068): Relaying combined sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$15,000). The total estimated cost for this project including the requested amount is \$103,000. This project is anticipated to be completed during the 2012 construction season.

6th and 15th Aldermanic Districts

W. Hadley St. - N. 16th St. to N. 19th St. (SM495120019): Relay combined sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$15,000). The total estimated cost for this project including the requested amount is \$311,000. This project is anticipated to be completed during the 2012 construction season.

7th Aldermanic District

N. Sherman Blvd. (east side) - W. Hadley St. to W. Locust St. (SM495110084): Relaying combined sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$15,000). The total estimated cost for this project including the requested amount is \$164,000. This project is anticipated to be completed during the 2012 construction season.

N. 40th St. - W. Courtland Ave. to W. Hampton Ave. (SM495110057): Relaying sanitary sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$15,000). The total estimated cost for this project including the requested amount is \$150,000. This project is anticipated to be completed

during the 2012 construction season.

N. 40th St. - W. Vienna Ave. to W. Roosevelt Dr. (SM495110074): Relaying sanitary sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$15,000). The total estimated cost for this project including the requested amount is \$106,000. This project is anticipated to be completed during the 2012 construction season.

8th Aldermanic District

W. Mineral St. - S. 26th St. to S. Layton Ave. (SM495110073): Relaying combined sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$12,000). The total estimated cost for this project including the requested amount is \$65,000. This project is anticipated to be completed during the 2012 construction season.

S. 30th St. - W. National Ave. to W. Pierce St. (SM495110078): Relaying combined sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$15,000). The total estimated cost for this project including the requested amount is \$147,000. This project is anticipated to be completed during the 2012 construction season.

S. 35th St. - 400 feet m/l south of W. Greenfield Ave. to W. Greenfield Ave. (SM495120020): Combined sewer lining. (Nonassessable Sewer Maintenance Relay Fund -- \$10,000). The total estimated cost for this project including the requested amount is \$41,000. This project is anticipated to be completed during the 2012 construction season.

9th Aldermanic District

N. 107th St. - W. Brown Deer Rd. to W. County Line Rd. (WT410120004): Water main relay and alteration. (Nonassessable Water Fund Budget Line 5010 -- \$10,000; Nonassessable Water Fund Budget Line 6410 -- \$25,000). The total estimated cost for this project including the requested amount is \$400,000. This project is anticipated to be completed during the 2013 construction season.

10th Aldermanic District

N. 59th St. - W. Vliet St. to W. McKinley Ave. (SM495120029): Sanitary lining and storm relay. (Nonassessable Sewer Maintenance Relay Fund -- \$15,000). The total estimated cost for this project including the requested amount is \$112,000. This project is anticipated to be completed during the 2012 construction season.

N. 60th St. - W. McKinley Ave. to W. Vliet St. (SM495120028): Sanitary and storm sewer relay. (Nonassessable Sewer Maintenance Relay Fund -- \$15,000). The total estimated cost for this project including the requested amount is \$540,000. This project is anticipated to be completed during the 2012 construction season.

12th Aldermanic District

E. Greenfield Ave. - S. Barclay St. to S. 1st St. (SM495110063): Combined sewer lining. (Nonassessable Sewer Maintenance Relay Fund -- \$12,000). The total estimated cost for this project including the requested amount is \$41,000. This project is anticipated to be completed during

the 2012 construction season.

13th Aldermanic District

W. Oklahoma Ave. - S. 26th St. to S. 27th St. (SM495120024): Relaying sanitary sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$15,000). The total estimated cost for this project including the requested amount is \$130,000. This project is anticipated to be completed during the 2012 construction season.

14th Aldermanic District

E. Dakota St. - S. Clement Ave. to S. Herman St. (SM495120030): Relaying combined sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$15,000). The total estimated cost for this project including the requested amount is \$65,000. This project is anticipated to be completed during the 2012 construction season.

S. Lenox St. - E. Otjen St. to E. Homer St. (SM495110075): Relaying combined sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$12,000). The total estimated cost for this project including the requested amount is \$87,000. This project is anticipated to be completed during the 2012 construction season.

S. 5th St. - W. Becher St. to W. Lincoln Ave. (SM495110072): Combined large diameter sewer lining. (Nonassessable Sewer Maintenance Relay Fund -- \$15,000). The total estimated cost for this project including the requested amount is \$227,000. This project is anticipated to be completed during the 2012 construction season.

15th Aldermanic District

Area bounded by W. Walnut St., W. Galena St., N. 15th St., and N. 17th St. (#13) (SM495110108): New storm sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$1,000). The total estimated cost for this project including the requested amount is \$619,000. This project is anticipated to be completed during the 2012 construction season.

N. 19th St. - W. Center St. to W. Clarke St. (SM495120026): Relaying combined sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$15,000). The total estimated cost for this project including the requested amount is \$148,000. This project is anticipated to be completed during the 2012 construction season.

;and, be it

Further Resolved, That all City Departments are authorized to perform engineering, surveys, plan preparation, and determine an estimated cost thereof; and, be it

Further Resolved, That the Department of Public Works is authorized to use the funding as specified in the above description of work; and, be it

Further Resolved, That the City Comptroller is authorized and directed to transfer such funds which are available for this purpose to the appropriate capital Project/Grant accounts.

Requestor
Infrastructure Services Division
Drafter
MLD:dr
Npr 9
02/22/2012

NOTICES SENT TO FOR FILE: 111474

NAME	ADDRESS	DATE NOTICE SENT		
Mary Dziewiontkowski	DPW-Infrastructure	3/2/12		
Ald. Hamilton	CC	x		
Ald. Coggs	CC	x		
Ald. Davis	CC	x		
Ald. Wade	CC	x		
Ald. Kovac	CC	x		
Ald. Bauman	CC	x		
Ald. Murphy	CC	x		
Ald. Hines	CC	x		
Ald. Wade	CC	x		
Ald. Donovan	CC	x		
Ald. Puente	CC	x		
Ald. Witkowiak	CC	x		
Ald. Witkowski	CC	x		
Ald. Zielinski	CC	x		



Legislation Details (With Text)

File #: 111475 **Version:** 0

Type: Resolution **Status:** In Committee

File created: 2/28/2012 **In control:** PUBLIC WORKS COMMITTEE

On agenda: **Final action:**

Effective date:

Title: Resolution approving construction of nonassessable public improvements at various locations and appropriating funds for these purposes with the City construction cost estimated to be \$7,263,000 for a total estimated cost of these projects being \$7,894,000.

Sponsors: THE CHAIR

Indexes: PUBLIC IMPROVEMENTS, SEWER IMPROVEMENTS, SEWERS

Attachments: Proposed Substitute A, Hearing Notice List

Date	Ver.	Action By	Action	Result	Tally
2/28/2012	0	COMMON COUNCIL	ASSIGNED TO		
3/2/2012	0	PUBLIC WORKS COMMITTEE	HEARING NOTICES SENT		
3/2/2012	0	PUBLIC WORKS COMMITTEE	HEARING NOTICES SENT		
3/5/2012	0	PUBLIC WORKS COMMITTEE	HEARING NOTICES SENT		

Number
111475
Version
ORIGINAL
Reference
111282
Sponsor
THE CHAIR
Title

Resolution approving construction of nonassessable public improvements at various locations and appropriating funds for these purposes with the City construction cost estimated to be \$7,263,000 for a total estimated cost of these projects being \$7,894,000.

Analysis

This resolution directs the installation and construction of certain public improvements which have been determined to be nonassessable by the Commissioner of Public Works. The City cost of the projects approved by this resolution is estimated to be \$7,263,000. The total estimated cost of these projects is \$7,894,000.

Body

Whereas, The Common Council of the City of Milwaukee adopted preliminary resolutions determining it necessary and in the public interest to construct nonassessable improvements; and

Whereas, Plans, specifications and cost estimates have been prepared for the following described improvements:

2nd Aldermanic District

Area bounded by W. Congress St., W. Melvina St., N. 60th St., and N. 65th St. (#8) (SM494120205) File Number 111282: Sanitary sewer lining. (Infiltration/Inflow Reduction Fund -- \$914,000). The total estimated cost for this project including the requested amount is \$929,000. This project is anticipated to be completed during the 2012 construction season.

2nd and 7th Aldermanic Districts

Area bounded by W. Capitol Dr., W. Congress St., N. Sherman Blvd., and N. 51st St. (#11) (SM494120202) File Number 111282: Sanitary sewer lining. (Infiltration/Inflow Reduction Fund -- \$853,000). The total estimated cost for this project including the requested amount is \$873,000. This project is anticipated to be completed during the 2012 construction season.

4th Aldermanic District

N. Edison St. - E. State St. to E. Highland Ave. (SM495110086) File Number 111474: Combined sewer lining. (Nonassessable Sewer Maintenance Relay Fund -- \$49,000). The total estimated cost for this project including the requested amount is \$50,000. This project is anticipated to be completed during the 2012 construction season.

N. 33rd St. - W. Galena St. to W. Vliet St. (SM495120004) File Number 111282: Relay combined sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$264,000). The total estimated cost for this project including the requested amount is \$279,000. This project is anticipated to be completed during the 2012 construction season.

N. 34th St. - W. Vliet St. to W. Cherry St. (SM495100135) File Number 100013: Relay combined sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$137,000). The total estimated cost for this project including the requested amount is \$149,000. This project is anticipated to be completed during the 2012 construction season.

8th Aldermanic District

S. 34th St. - W. National Ave. to W. Pierce St. (SM495110101) File Number 111024: Relay combined sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$138,000). The total estimated cost for this project including the requested amount is \$153,000. This project is anticipated to be completed during the 2012 construction season.

10th Aldermanic District

W. St. Paul Ave. - 150 feet m/l east of N. 39th St. to N. 42nd St. (SM495110021) File Number 101439: Relay sanitary sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$151,000). The total estimated cost for this project including the requested amount is \$166,000. This project is anticipated to be completed during the 2012 construction season.

W. Wisconsin Ave. - N. 51st St. to N. 53rd St. (SM495110076) File Number 111024: Relay combined sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$186,000). The total estimated cost for this project including the requested amount is \$201,000. This project is anticipated to be completed during the 2012 construction season.

N. 39th St. - W. St. Paul Ave. to W. Clybourn St. (SM495110022) File Number 101350: Relay sanitary sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$97,000). The total estimated cost for this project including the requested amount is \$109,000. This project is anticipated to be completed during the 2012 construction season.

N. 42nd St. - W. Mt. Vernon Ave. to 200 feet north of W. St. Paul Ave. (SM495110032) File Number 101543: Relay sanitary sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$135,000). The total estimated cost for this project including the requested amount is \$147,000. This project is anticipated to be completed during the 2012 construction season.

N. 52nd St. - 170 feet m/l north of W. Blue Mound Rd. to W. Wisconsin Ave. (SM495110080) File Number 111024: Relay combined sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$165,000). The total estimated cost for this project including the requested amount is \$180,000. This project is anticipated to be completed during the 2012 construction season.

12th Aldermanic District

W. Scott St. - S. 6th St. to 170 feet m/l east of S. 7th St. (SM495110006) File Number 101172: Relay combined sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$58,000). The total estimated cost for this project including the requested amount is \$70,000. This project is anticipated to be completed during the 2012 construction season.

S. 6th St. - W. Greenfield Ave. to W. Scott St. (SM495110005) File Number 101172: Combined sewer lining. (Nonassessable Sewer Maintenance Relay Fund -- \$113,000). The total estimated cost for this project including the requested amount is \$125,000. This project is anticipated to be completed during the 2012 construction season.

13th Aldermanic District

E. Armour Ave. - S. Austin St. to S. Adams Ave. (SM495110029) File Number 101439: Relay sanitary sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$189,000). The total estimated cost for this project including the requested amount is \$201,000. This project is anticipated to be completed during the 2012 construction season.

W. Grange Ave. Medians - S. 19th St. to S. Howell Ave. (SM493110101) File Number 110924: Bioswales. (Nonassessable TSS Removable Fund -- \$500,000). The total estimated cost for this project including the requested amount is \$525,000. This project is anticipated to be completed during the 2012 construction season.

S. Quincy Ave. - E. Armour Ave. to E. Layton Ave. (SM495110017) File Number 101439: Relay sanitary sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$290,000). The total estimated cost for this project including the requested amount is \$305,000. This project is anticipated to be completed during the 2012 construction season.

13th and 14th Aldermanic Districts

E. Waterford Ave. - S. Austin St. to S. Whitnall Ave. (SM495110020) File Number 101350: Relay sanitary sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$236,000). The total estimated cost for this project including the requested amount is \$251,000. This project is anticipated to be

completed during the 2012 construction season.

14th Aldermanic District

S. Pine Ave. - E. Howard Ave. to E. Norwich St. (SM495110018) File Number 101439: Relay sanitary sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$191,000). The total estimated cost for this project including the requested amount is \$206,000. This project is anticipated to be completed during the 2012 construction season.

S. Whitnall Ave. - E. Howard Ave. to E. Waterford Ave. (SM495110025) File Number 101439: Relay sanitary sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$339,000). The total estimated cost for this project including the requested amount is \$354,000. This project is anticipated to be completed during the 2012 construction season.

15th Aldermanic District

W. Brown St. - N. 33rd St. to N. 36th St. (SM495110093) File Number 111024: Relay combined sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$158,000). The total estimated cost for this project including the requested amount is \$173,000. This project is anticipated to be completed during the 2012 construction season.

Area bounded by W. Walnut St., W. Galena St., N. 15th St., and N. 17th St. (#13) (SM495110108) File Number 111474: New storm sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$618,000). The total estimated cost for this project including the requested amount is \$619,000. This project is anticipated to be completed during the 2012 construction season.

N. 33rd St. - W. Vine St. to W. Brown St. (SM495100090) File Number 100013: Relay combined sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$145,000). The total estimated cost for this project including the requested amount is \$167,000. This project is anticipated to be completed during the 2012 construction season.

N. 33rd St. - W. Clarke St. to W. Center St. (SM495110044) File Number 101543: Relay combined sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$291,000). The total estimated cost for this project including the requested amount is \$306,000. This project is anticipated to be completed during the 2012 construction season.

N. 33rd St. - W. Center St. to W. Locust St. (SM495100079) File Number 110029: Relaying combined sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$70,000, Additional Funds). The total estimated cost for this project including the requested amount is \$345,000. This project is anticipated to be completed during the 2012 construction season.

N. 37th St. - W. State St. to W. Highland Blvd. (SM495120002) File Number 111282: Combined sewer lining. (Nonassessable Sewer Maintenance Relay Fund -- \$26,000). The total estimated cost for this project including the requested amount is \$36,000. This project is anticipated to be completed during the 2012 construction season.

City Wide

2012 Sanitary Manhole Rehabilitation Project (SM494120102) File Number 111282:

(Infiltration/Inflow Reduction Fund -- \$950,000). The total estimated cost for this project including the requested amount is \$975,000. This project is anticipated to be completed during the 2012 construction season.

; now, therefore, be it

Resolved, By the Common Council of the City of Milwaukee that the Commissioner of Public Works is authorized and directed to proceed with said work; and, be it

Further Resolved, That the Department of Public Works is authorized to use the funding as specified in the above description of work; and, be it

Further Resolved, That the City Comptroller is authorized and directed to transfer such funds which are available for this purpose to the appropriate capital Project/Grant accounts.

Requestor
Infrastructure Services Division
Drafter
MLD:dr
Nfr 9
02/22/2012

..Number

111475

..Version

Proposed Substitute A

..Reference

111282

..Sponsor

THE CHAIR

..Title

Substitute resolution approving construction of nonassessable public improvements at various locations and appropriating funds for these purposes with the City construction cost estimated to be \$7,333,000 for a total estimated cost of these projects being \$8,499,593.

..Analysis

This resolution directs the installation and construction of certain public improvements which have been determined to be nonassessable by the Commissioner of Public Works. The City cost of the projects approved by this resolution is estimated to be \$7,333,000. The total estimated cost of these projects is \$8,499,593.

..Body

Whereas, The Common Council of the City of Milwaukee adopted preliminary resolutions determining it necessary and in the public interest to construct nonassessable improvements; and

Whereas, Plans, specifications and cost estimates have been prepared for the following described improvements:

2nd Aldermanic District

Area bounded by W. Congress St., W. Melvina St., N. 60th St., and N. 65th St. (#8) (SM494120205) File Number 111282: Sanitary sewer lining. (Infiltration/Inflow Reduction Fund -- \$914,000). The total estimated cost for this project including the requested amount is \$929,000. This project is anticipated to be completed during the 2012 construction season.

2nd and 7th Aldermanic Districts

Area bounded by W. Capitol Dr., W. Congress St., N. Sherman Blvd., and N. 51st St. (#11) (SM494120202) File Number 111282: Sanitary sewer lining. (Infiltration/Inflow Reduction Fund -- \$853,000). The total estimated cost for this project including the requested amount is \$873,000. This project is anticipated to be completed during the 2012 construction season.

4th Aldermanic District

N. Edison St. – E. State St. to E. Highland Ave. (SM495110086) File Number 111474: Combined sewer lining. (Nonassessable Sewer Maintenance Relay Fund -- \$49,000). The total estimated cost for this project including the requested amount is \$50,000. This project is anticipated to be completed during the 2012 construction season.

N. 33rd St. – W. Galena St. to W. Vliet St. (SM495120004) File Number 111282: Relay combined sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$264,000). The total estimated cost for this project including the requested amount is \$279,000. This project is anticipated to be completed during the 2012 construction season.

N. 34th St. – W. Vliet St. to W. Cherry St. (SM495100135) File Number 100013: Relay combined sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$137,000). The total estimated cost for this project including the requested amount is \$149,000. This project is anticipated to be completed during the 2012 construction season.

6th Aldermanic District

W. North Ave. – N. Dr. Martin Luther King Jr. Dr. to N. 7th St. (Bronzeville Streetscape Phase 2) (ST320061610) (2135-04-70) File Number 101440:

City Share Nonassessable Fund Paving
ST320120000
Fund 0333
\$70,000

Previously authorized for construction: \$387,239

Current estimated cost for total project including this resolution (101440): \$605,593

Original estimated cost of total project (Res. 060347): \$509,914

This project is anticipated to be completed during the 2012 construction season.

8th Aldermanic District

S. 34th St. – W. National Ave. to W. Pierce St. (SM495110101) File Number 111024: Relay combined sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$138,000). The total estimated cost for this project including the requested amount is \$153,000. This project is anticipated to be completed during the 2012 construction season.

10th Aldermanic District

W. St. Paul Ave. – 150 feet m/l east of N. 39th St. to N. 42nd St. (SM495110021) File Number 101439: Relay sanitary sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$151,000). The total estimated cost for this project including the requested

amount is \$166,000. This project is anticipated to be completed during the 2012 construction season.

W. Wisconsin Ave. – N. 51st St. to N. 53rd St. (SM495110076) File Number 111024: Relay combined sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$186,000). The total estimated cost for this project including the requested amount is \$201,000. This project is anticipated to be completed during the 2012 construction season.

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N. 52nd St. – 170 feet m/l north of W. Blue Mound Rd. to W. Wisconsin Ave. (SM495110080) File Number 111024: Relay combined sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$165,000). The total estimated cost for this project including the requested amount is \$180,000. This project is anticipated to be completed during the 2012 construction season.

12th Aldermanic District

W. Scott St. – S. 6th St. to 170 feet m/l east of S. 7th St. (SM495110006) File Number 101172: Relay combined sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$58,000). The total estimated cost for this project including the requested amount is \$70,000. This project is anticipated to be completed during the 2012 construction season.

S. 6th St. – W. Greenfield Ave. to W. Scott St. (SM495110005) File Number 101172: Combined sewer lining. (Nonassessable Sewer Maintenance Relay Fund -- \$113,000). The total estimated cost for this project including the requested amount is \$125,000. This project is anticipated to be completed during the 2012 construction season.

13th Aldermanic District

E. Armour Ave. – S. Austin St. to S. Adams Ave. (SM495110029) File Number 101439: Relay sanitary sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$189,000). The total estimated cost for this project including the requested amount is \$201,000. This project is anticipated to be completed during the 2012 construction season.

W. Grange Ave. Medians – S. 19th St. to S. Howell Ave. (SM493110101) File Number 110924: Bioswales. (Nonassessable TSS Removable Fund -- \$500,000). The total estimated cost for this project including the requested amount is \$525,000. This project is anticipated to be completed during the 2012 construction season.

S. Quincy Ave. – E. Armour Ave. to E. Layton Ave. (SM495110017) File Number 101439: Relay sanitary sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$290,000). The total estimated cost for this project including the requested amount is \$305,000. This project is anticipated to be completed during the 2012 construction season.

13th and 14th Aldermanic Districts

E. Waterford Ave. – S. Austin St. to S. Whitnall Ave. (SM495110020) File Number 101350: Relay sanitary sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$236,000). The total estimated cost for this project including the requested amount is \$251,000. This project is anticipated to be completed during the 2012 construction season.

14th Aldermanic District

S. Pine Ave. – E. Howard Ave. to E. Norwich St. (SM495110018) File Number 101439: Relay sanitary sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$191,000). The total estimated cost for this project including the requested amount is \$206,000. This project is anticipated to be completed during the 2012 construction season.

S. Whitnall Ave. – E. Howard Ave. to E. Waterford Ave. (SM495110025) File Number 101439: Relay sanitary sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$339,000). The total estimated cost for this project including the requested amount is \$354,000. This project is anticipated to be completed during the 2012 construction season.

15th Aldermanic District

W. Brown St. – N. 33rd St. to N. 36th St. (SM495110093) File Number 111024: Relay combined sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$158,000). The total estimated cost for this project including the requested amount is \$173,000. This project is anticipated to be completed during the 2012 construction season.

Area bounded by W. Walnut St., W. Galena St., N. 15th St., and N. 17th St. (#13) (SM495110108) File Number 111474: New storm sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$618,000). The total estimated cost for this project including the requested amount is \$619,000. This project is anticipated to be completed during the 2012 construction season.

N. 33rd St. – W. Vine St. to W. Brown St. (SM495100090) File Number 100013: Relay combined sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$145,000). The total estimated cost for this project including the requested amount is \$167,000. This project is anticipated to be completed during the 2012 construction season.

N. 33rd St. – W. Clarke St. to W. Center St. (SM495110044) File Number 101543: Relay combined sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$291,000). The total estimated cost for this project including the requested amount is \$306,000. This project is anticipated to be completed during the 2012 construction season.

N. 33rd St. – W. Center St. to W. Locust St. (SM495100079) File Number 110029: Relaying combined sewer. (Nonassessable Sewer Maintenance Relay Fund -- \$70,000, Additional Funds). The total estimated cost for this project including the requested amount is \$345,000. This project is anticipated to be completed during the 2012 construction season.

N. 37th St. – W. State St. to W. Highland Blvd. (SM495120002) File Number 111282: Combined sewer lining. (Nonassessable Sewer Maintenance Relay Fund -- \$26,000). The total estimated cost for this project including the requested amount is \$36,000. This project is anticipated to be completed during the 2012 construction season.

City Wide

2012 Sanitary Manhole Rehabilitation Project (SM494120102) File Number 111282: (Infiltration/Inflow Reduction Fund -- \$950,000). The total estimated cost for this project including the requested amount is \$975,000. This project is anticipated to be completed during the 2012 construction season.

now, therefore, be it

Resolved, By the Common Council of the City of Milwaukee that the Commissioner of Public Works is authorized and directed to proceed with said work; and, be it

Further Resolved, That the Department of Public Works is authorized to use the funding as specified in the above description of work; and, be it

Further Resolved, That the City Comptroller is authorized and directed to transfer such funds which are available for this purpose to the appropriate capital Project/Grant accounts.

..Requestor
Infrastructure Services Division
..Drafter
MLD:dr
Nfr 9
03/02/2012



Legislation Details (With Text)

File #: 111476 **Version:** 1

Type: Resolution **Status:** In Committee

File created: 2/28/2012 **In control:** PUBLIC WORKS COMMITTEE

On agenda: **Final action:**

Effective date:

Title: Substitute resolution authorizing city-wide sidewalk replacement at Scattered Sites and appropriating funds for these purposes with the city construction cost estimated to be \$640,000 for a total estimated cost of these projects being \$690,000.

Sponsors: THE CHAIR

Indexes: SIDEWALK IMPROVEMENTS, SIDEWALKS

Attachments: Hearing Notice List

Date	Ver.	Action By	Action	Result	Tally
2/28/2012	0	COMMON COUNCIL	ASSIGNED TO		
3/2/2012	0	PUBLIC WORKS COMMITTEE	HEARING NOTICES SENT		

Number
111476
Version
SUBSTITUTE 1

Reference

Sponsor
Ald. Bauman
Title

Substitute resolution authorizing city-wide sidewalk replacement at Scattered Sites and appropriating funds for these purposes with the city construction cost estimated to be \$640,000 for a total estimated cost of these projects being \$690,000.

Analysis

To provide the necessary authority for sidewalk repairs at Scattered Sites. The City cost of these projects approved by this resolution is estimated to be \$640,000. The total estimated cost of these projects is \$690,000.

Body

Whereas, It is necessary and in the public interest to replace those sidewalk stones which are cracked, broken, out of grade or otherwise a hazard to pedestrians; and

Whereas, It is proposed that sidewalk replacement work be done in the following locations at the indicated cost:

City Wide

Scattered Site Area #1 North (ST230120141) File Number 111022: Laying concrete walk. Doing all

necessary grading pertaining to said work. (\$25,000 to the Assessable Sidewalk Fund ST230120141; and \$200,000 to the Nonassessable Sidewalk Fund ST230120141). The total estimated cost for this project including the requested amount is \$275,000. This project is anticipated to be completed during the 2012 construction season.

Scattered Site Area #2 South-West (ST230120142): Laying concrete walk. Doing all necessary grading pertaining to said work. (\$25,000 to the Assessable Sidewalk Fund ST230120142; and \$200,000 to the Nonassessable Sidewalk Fund ST230120142). The total estimated cost for this project including the requested amount is \$225,000. This project is anticipated to be completed during the 2012 construction season.

Scattered Site Area #3 Central and South-East (ST230120143): Laying concrete walk. Doing all necessary grading pertaining to said work. (\$15,000 to the Assessable Sidewalk Fund ST230120143; and \$175,000 to the Nonassessable Sidewalk Fund ST230120143). The total estimated cost for this project including the requested amount is \$190,000. This project is anticipated to be completed during the 2012 construction season.

Further Resolved, That said Commissioner of Public Works is authorized and directed to proceed with said work in accordance with said report pursuant to Section 66.0703 and any other pertinent sections of the Wisconsin Statutes and in the manner directed by Section 115-42 of the Milwaukee Code of Ordinances; and, be it

Further Resolved, That the proper departments take such action as is required of them to assess the abutting or adjacent properties and collect such assessment in the manner directed by Section 115-42 of the Milwaukee Code of Ordinances; and, be it

Further Resolved, That the City Comptroller is authorized and directed to transfer such funds which are available for this purpose to the appropriate capital Project/Grant accounts; and, be it

Further Resolved, That the projects do not involve any parcels of agricultural land which are eligible for deferred special assessments under the provisions of Section 14.30 of the Milwaukee City Charter; and, be it

Further Resolved, That the Department of Public Works is authorized to use the funding as specified in the above description of work.

Requestor
INFRASTRUCTURE SERVICES DIVISION
Drafter
MLD:dr
03/02/2012
SDWLK REPLACEMENT and
SCATTERED SITES



Legislation Details (With Text)

File #: 111477 **Version:** 0

Type: Resolution **Status:** In Committee

File created: 2/28/2012 **In control:** PUBLIC WORKS COMMITTEE

On agenda: **Final action:**

Effective date:

Title: Resolution authorizing the transfer of funds from the Street Improvement-State and Federal Aid Program to the Street Reconstruct or Resurface Program - Regular City Program for funding of local street improvements under the Local Roads Improvement Program, with the City's cost being \$1,192,699.48, and the grantor's cost being \$982,300.52, for a total estimated cost of \$2,175,000.

Sponsors: THE CHAIR

Indexes: CAPITAL IMPROVEMENTS, STREET IMPROVEMENTS

Attachments: Cover Letter, Hearing Notice List

Date	Ver.	Action By	Action	Result	Tally
2/28/2012	0	COMMON COUNCIL	ASSIGNED TO		
3/2/2012	0	PUBLIC WORKS COMMITTEE	HEARING NOTICES SENT		

Number

111477

Version

ORIGINAL

Reference

Sponsor

THE CHAIR

Title

Resolution authorizing the transfer of funds from the Street Improvement-State and Federal Aid Program to the Street Reconstruct or Resurface Program - Regular City Program for funding of local street improvements under the Local Roads Improvement Program, with the City's cost being \$1,192,699.48, and the grantor's cost being \$982,300.52, for a total estimated cost of \$2,175,000.

Analysis

This resolution directs the transfer of \$1,192,699.48 of City funds and \$982,300.52 of grantor funds to the Street Reconstruct or Resurface Program. The total cost of the program is estimated to be \$2,175,000.

Body

Whereas, State Statute 86.31 established a Local Roads Improvement Program (LRIP) to provide up to 50% reimbursement by the State of eligible costs for local street improvements; and

Whereas, In 2012-2013, under the LRIP Program, the City of Milwaukee is entitled to receive reimbursement up to a maximum amount of \$982,300.52 for local street improvements; and

Whereas, Resolution 110842 authorized the agreement, but did not set up the funding; and

Whereas, Funds for projects to be undertaken under the LRIP Program are budgeted in the Street Improvement - State and/or Federal Aid Program Fund in the 2012 Capital Improvement Program

(Fund 0333); and

Whereas, It is advantageous and necessary that these funds be transferred to the Street Reconstruct or Resurface Program - Regular City Program (Fund 0333); and

Whereas, The projects funded with this program area anticipated to be constructed in the 2012 construction season; and

Whereas, The Street Reconstruct or Resurface - Regular City Program (Fund 0330) has sufficient funds to cover the assessable portion of these projects; now, therefore, be it

Resolved, By the Common Council of the City of Milwaukee, that the City Comptroller is hereby authorized to transfer appropriations to Infrastructure Services Division Account No. 0333-ST21120000; Street Reconstruct or Resurface Program - Regular City Program from the accounts as follows for the LRIP Program;

Infrastructure Services Division Account

Grantor Reimbursable Fund Paving
SP032120100
Fund 0306
\$982,300.52

City Share Non-Assessable Fund Paving
ST320120000
Fund 0333
Cost - \$1,192,699.48

Total previously authorized: \$-0-
Current estimated cost of total project including this resolution: \$2,175,000
Original estimated cost of total project: \$2,175,000

; and, be it

Further Resolved, That only project contractual expenditures are to be billed toward the LRIP program grant amount; and, be it

Further Resolved, That the City Comptroller will make a memorandum entry at the completion of the LRIP program projects to record the transaction back to the Street Improvement - State and/or Federal Aid Program for grant audit purposes; and, be it

Further Resolved, That the Commissioner of Public Works has the authority to apply for LRIP Discretionary Funds for projects which meet the program criteria as he deems appropriate.

Requestor
Infrastructure Services Division
Drafter
MLD:dr

LRIP 2012
Cycle 9
02/20/2012

February 20, 2012

File Number

To the Honorable, the Common Council

Subject: Local Roads Improvement Program
Funding and Application

Dear Council Members:

Resolution Number 110842 authorized and directed the Commissioner of Public Works to submit a project application and to execute the agreement with the WISDOT for funding for local street improvements under the LRIP Program.

The executed agreement has been received from the Wisconsin Department of Transportation. We have prepared and recommend adoption of the attached resolution which authorizes the transfer of funds from the Street Improvement – State and/or Federal Aid Program accounts in the proposed Capital Improvement Program for 2012 to the Street Reconstruct or Resurface Program – Regular City Program.

Very truly yours,

Jeffrey S. Polenske, P.E.
City Engineer

Ghassan Korban
Commissioner of Public Works

MLD:dr

LRIP Transfer of Funds



Legislation Details (With Text)

File #: 111441 **Version:** 0

Type: Resolution **Status:** In Committee

File created: 2/28/2012 **In control:** PUBLIC WORKS COMMITTEE

On agenda: **Final action:**

Effective date:

Title: Resolution approving a Third Amendment to an Easement and Lease Agreement with West Shore Pipeline Company.

Sponsors: THE CHAIR

Indexes: AGREEMENTS, LEASES, PORT OF MILWAUKEE

Attachments: Cover Letter, Amendment to Easement and Lease Agreement, Hearing Notice List

Date	Ver.	Action By	Action	Result	Tally
2/28/2012	0	COMMON COUNCIL	ASSIGNED TO		
3/2/2012	0	PUBLIC WORKS COMMITTEE	HEARING NOTICES SENT		

Number

111441

Version

Original

Reference

Sponsor

The Chair

Title

Resolution approving a Third Amendment to an Easement and Lease Agreement with West Shore Pipeline Company.

Analysis

This resolution would approve a Third Amendment to Easement and Lease Agreement dated July 1, 1961 with West Shore Pipeline for property located on the Port's South Harbor Tract.

BODY

Whereas, West Shore Pipeline has been a long term tenant in good standing in the Port of Milwaukee and has an existing lease dated July 1, 1961; and

Whereas, The Lease was first extended and amended on April 23, 1984; and

Whereas, The Lease was further amended and extended on March 11, 2008; and

Whereas, The City and Tenant both wish to continue the Lease as amended and extended dated March, 11, 2008, but also to modify the Lease to permit the Milwaukee Metropolitan Sewerage District to purchase from Tenant a portion of Tenant's pipeline, located at the Port of Milwaukee's South Harbor Tract; and

Whereas, The Board of Harbor Commissioners at their meeting of February 9, 2012 acted by vote of the Board to grant such amendment and extension; now, therefore, be it

Resolved, By the Common Council of the City of Milwaukee that said Common Council hereby ratifies and approves the Extension and Amendment of Easement and Lease Agreement between West Shore Pipeline and the City of Milwaukee, by and through its Board of Harbor Commissioners; and, be it

Further Resolved, That the designated officers of said government and of said Board of Harbor Commissioners are hereby authorized and directed to execute an agreement to carry out this purpose.

Drafter:
Port of Milwaukee
Eric C. Reinelt
2/14/12

i:wsplseamend12ccres.doc

February 14, 2012

Ref: WSPL/Lease

To The Honorable
The Common Council
City of Milwaukee

Dear Council Members:

The Port of Milwaukee is requesting approval of a Third Amendment to Easement and Lease Amendment with the West Shore Pipeline Company for their leasehold located at the Port's South Harbor Tract.

At its meeting of February 9, 2012, the Board of Harbor Commissioners approved the Lease Amendment and authorized the Port staff to notify the Common Council. It is therefore, placed before your Honorable Body for its ratification of the Board's action. We respectfully request that your Honorable Body approve this lease renewal and authorize its execution by adopting the attached resolution.

Respectfully submitted,

ERIC C. REINELT
Municipal Port Director

ECR/dcl

i:wspllseamend12ccltr.doc

THIRD AMENDMENT TO EASEMENT AND
LEASE AGREEMENT DATED JULY 1, 1961

THIS AMENDMENT OF EASEMENT & LEASE AGREEMENT dated July 1, 1961 between the City of Milwaukee, a Wisconsin municipal corporation, acting by and through its Board of Harbor Commissioners (hereinafter referred to as “the City”), and the West Shore Pipeline Company, a Delaware corporation licensed in Wisconsin (hereinafter referred to as “Tenant”).

Whereas, the City and Tenant entered into an “Easement and Lease Agreement” on July 1, 1961 (the “Lease”); and

Whereas, the Lease was first extended and amended on April 23, 1984; and

Whereas, the Lease was further amended and extended on March 11, 2008; and

Whereas, the City and Tenant both wish to continue the Lease as amended and extended, but also wish to modify the Lease so as to permit the Milwaukee Metropolitan Sewerage District to purchase from Tenant a portion of Tenant’s pipeline, which is located on City property at the Port of Milwaukee.

NOW, THEREFORE, in consideration of the foregoing recitals, the mutual covenants and agreements herein contained, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the parties do hereby agree that the Lease shall be and hereby is modified as follows:

1. **Scope of Amendment; Defined Terms.** Except as expressly provided in this Amendment, the Lease as amended and extended shall remain in full force and effect. It is expressly acknowledged that both the term of the Lease as specified in the Amendment and Extension thereof dated March 11, 2008 and the rent payments recited herein shall not be changed by this Amendment.

2. **Entire Amendment.** This Amendment sets forth the entire agreement between the parties with respect to the matters set forth herein. There have been no additional oral or written representations or agreements.

3. **Carve-Out from Lease.** The Lease is amended to remove the following area:

Legal Description:

That part of the Southwest 1/4 of the Southeast 1/4 and the Northwest 1/4 of the Southeast 1/4 of Section 4, Town 6 North, Range 22 East, City of Milwaukee, Milwaukee County, Wisconsin following the below described Reference line:

Commencing at the South 1/4 corner of said Section 4; thence North 88°06’59” East along the Southerly line of said Southeast 1/4 of Section 4, 1024.90 feet to said Reference Line; thence North 15°54’22” West along said Reference Line, 393.17 feet to a

Point of Intersection (PI); thence North 53°56'08" East along said Reference Line, 106.42 feet to a Point of Intersection (PI); thence North 16°15'52" West along said Reference Line, 287.55 feet to a Point of Intersection (PI); thence continuing North 00°00'00" West along said Reference Line, 32.37 feet to the Point of Beginning; thence continuing North 00°00'00" West along said Reference Line, 17.02 feet to a Point of Intersection (PI); thence North 17°44'07" West along said Reference Line, 235.58 feet to a Point of Intersection (PI); thence North 23°41'52" East along said Reference Line, 397.68 feet to a point 7.50 feet North of the Northwesterly line of E. Bay Street; thence North 59°06'55" East parallel with said Northwesterly line of E. Bay Street, 203.10 feet to the westerly line of S. Harbor Drive and the point of termination being 1480.50 feet, North 00°53'43" West and 1209.45 feet, North 89°06'17" East from the South 1/4 corner of said Section 9.

A diagram depicting the area removed from the Lease is attached hereto as Exhibit A which is incorporated herein by reference.

IN WITNESS WHEREOF, the parties hereto have caused this Amendment to the Lease dated July 1, 1961 to be executed by their proper respective officers and their corporate seals to be affixed hereto as of the day and year first written above.

IN THE PRESENCE OF:
CITY OF MILWAUKEE

Tom Barrett, Mayor

Ronald D. Leonhardt, City Clerk

COUNTERSIGNED:

W. Martin Morics, Comptroller

In the Presence of:
BOARD OF HARBOR COMMISSIONERS

Timothy K. Hoelter, President

Eric C. Reinelt, Secretary

In the Presence of:
WEST SHORE PIPELINE COMPANY, INC.

James C. Andrews, President

William R. Serra, Vice President

STATE OF ILLINOIS
COOK COUNTY

Personally came before me this _____ day of _____, 20____, James C. Andrews, the President, and William R. Serra, the Vice President of West Shore Pipeline Company, Inc. who by its authority and on its behalf executed the foregoing instrument and acknowledged the same.

NOTARY PUBLIC, State of Illinois

My Commission Expires _____

PLEASE NOTE: TENANT MUST COMPLETE THE FOLLOWING:

(Note: Someone other than the individual who executed this Lease must certify the following):

CERTIFICATE RE: Corporation

I, _____ certify that I am the _____ of the above Tenant
(print name) (print title)
named herein; that _____, who executed this Lease on behalf of the Tenant was then
(print signator of tenant)

_____ of said Corporation, and in said capacity, duly signed said Lease for and on
(official capacity of signator)

behalf of said Corporation, being duly authorized so to do under its operating agreement and/or articles,
or is authorized so to do by action of its members and members, all of which is within the scope of its
powers.

Dated at _____ this _____ day of _____ 20 ____
(location)

(signature)

APPROVED as to Form and Execution this
_____ day of _____, 20____

Assistant City Attorney

**THIRD AMENDMENT TO EASEMENT
AND LEASE AGREEMENT**

Between

WEST SHORE PIPELINE COMPANY

and the

**BOARD OF HARBOR COMMISSIONERS
CITY OF MILWAUKEE**

Date of Amendment: _____



Legislation Details (With Text)

File #: 111442 **Version:** 0

Type: Resolution **Status:** In Committee

File created: 2/28/2012 **In control:** PUBLIC WORKS COMMITTEE

On agenda: **Final action:**

Effective date:

Title: Resolution approving an Easement and Lease Agreement with the Milwaukee Metropolitan Sewerage District.

Sponsors: THE CHAIR

Indexes: AGREEMENTS, MILWAUKEE METROPOLITAN SEWERAGE DISTRICT, PORT OF MILWAUKEE

Attachments: Cover Letter, Lease Agreement, Fiscal Impact Statement, Hearing Notice List

Date	Ver.	Action By	Action	Result	Tally
2/28/2012	0	COMMON COUNCIL	ASSIGNED TO		
3/2/2012	0	PUBLIC WORKS COMMITTEE	HEARING NOTICES SENT		

Number
111442
Version
Original
Reference
Sponsor
The Chair
Title

Resolution approving an Easement and Lease Agreement with the Milwaukee Metropolitan Sewerage District.
Analysis

This resolution would approve an Easement and Lease Agreement with the Milwaukee Metropolitan Sewerage District for land purchased from West Shore Pipeline located at the southwest corner of East Bay Street and South Carferry Drive to run a landfill gas distribution system. The initial term is for 25 years commencing February 13, 2012 and terminating on February 12, 2037 with an extension term of two successive periods of ten years each.

...Body

Resolved, By the Common Council of the City of Milwaukee that said Common Council hereby ratifies and approves the Easement and Lease Agreement between the City of Milwaukee, by and through its Board of Harbor Commissioners and Milwaukee Metropolitan Sewerage District for the term February 13, 2012 through February 12, 2037, and, be it

Further Resolved, That the designated officers of said government and said Board are hereby authorized and directed to execute an agreement to carry out this purpose as prepared by the City Attorney's office.

Drafter:
Port of Milwaukee
Eric C. Reinelt
2/14/12

i:mmsdeaseelseagree12ccres.doc

February 14, 2012

Ref: MMSD/Lease

To The Honorable
The Common Council
City of Milwaukee

Dear Council Members:

The Port of Milwaukee is requesting approval for an Easement and Lease Agreement with the Milwaukee Metropolitan Sewerage District on the Port's South Harbor Tract commencing February 13, 2012 and terminating on February 12, 2037.

At its meeting of February 9, 2012, the Board of Harbor Commissioners approved the Lease Amendment and authorized the Port staff to notify the Common Council. It is therefore, placed before your Honorable Body for its ratification of the Board's action. We respectfully request that your Honorable Body approve this lease renewal and authorize its execution by adopting the attached resolution.

Respectfully submitted,

ERIC C. REINELT
Municipal Port Director

ECR/dcl

i:mmsdeaselseagree12ccltr.doc

EASEMENT AND LEASE AGREEMENT

Easement and Lease Agreement (hereinafter referred to as the "Agreement") made as of the day of _____, 20___, by and between the Milwaukee Metropolitan Sewerage District, a Wisconsin municipal corporation, (hereinafter referred to as "Tenant"), and the City of Milwaukee, a Wisconsin municipal corporation, by and through its Board of Harbor Commissioners (hereinafter collectively referred to as the "City").

WITNESSETH:

City hereby leases, demises and lets unto Tenant the real property comprised of approximately 0.15 acres (hereinafter referred to as the "Leasehold Premises"), located on the South Harbor Tract of the City of Milwaukee at the corner of Carferry and Bay Streets. The Leasehold Premises is more particularly described in Exhibit A, which is affixed hereto and incorporated into this document by this reference. The City additionally hereby grants unto Tenant a subsurface easement to the area depicted on Exhibit B, which is affixed hereto and incorporated into this Document by reference (hereinafter referred to as the "Easement Area") for the purpose set forth by the Agreement.

The Leasehold Premises and Easement Area shall collectively be referred to herein as the "Premises", and whenever the term "Premises" appears the Tenant and City agree that such shall incorporate and apply to both the Leasehold Premises and the Easement Area.

In addition the City and Tenant agree to the following terms and conditions for this Easement and Lease Agreement:

1. **The Leasehold Premises and Easement Area.**

A) The Leasehold Premises to be leased consists of 8,676 square feet of land located at the southwest corner of East Bay Street and South Carferry Drive, and is depicted in Exhibit A with a legal description, and incorporated herein by this reference.

B) The Easement Area includes those areas connecting to the Leasehold Premises to the west and east under which lie buried pipeline sections Tenant has purchased from West Shore Pipe Line Co., Inc. These areas are depicted in Exhibit B with a legal description, and incorporated herein by this reference.

C) The City and Tenant agree that these Exhibits accurately reflect the Leasehold Premises and Easement Area granted to Tenant by the City under this Agreement.

2. **Term.** The initial term of this Agreement shall be for a period of twenty-five (25) years (the "Initial Term") commencing February 13, 2012 and terminating on February 12, 2037.

Tenant shall have the right to extend the term of the Agreement for two (2) successive periods of ten (10) years each, the First Extension Term commencing on February 13, 2037 and terminating on February 12, 2047; and the Second Extension Term commencing on February 13, 2047 and terminating on February 12, 2057. In order to exercise each option to extend this Agreement under this Section,

Tenant shall provide City with written notice of its intent to do so no less than twelve (12) months, prior to the expiration of the Initial Term or any extended term.

3. **Rent.** Rent shall be paid in advance annually by January 15 of each year of the Initial Term and during the extension terms. At the commencement of this Agreement the annual rental rate will be Two Thousand Seven Hundred and 00/100th Dollars (\$2,700). Annual Rent during the Initial Term and during the extension terms shall be escalated every fifth year starting January 1, 2017. Rent is to be adjusted to the amount determined by applying the percentage increase, if any, in the All Urban Consumers – current series line of the Consumer Price Index published by the United States Bureau of Labor Statistics (or its successor organization) (1982=100) for the five-year period prior to the beginning of the new rental period, to the rental figure payable during the previous five-year period of this Agreement; provided, however, that in no event shall the new base rental, as adjusted by the foregoing method, be decreased to an amount below that for the rental during the previous period.

4. **Use of the Leasehold Premises and Easement Area.** Tenant shall use the Leasehold Premises for the construction of a pipeline pigging station and a test station associated with the operation of its landfill gas delivery pipeline. The Easement Area allows for the Tenant's continued use of the underground pipeline section purchased from West Shore Pipeline Co. as referenced in Exhibit B and for the underground construction of pipe connection at the northwest corner of East Bay Street and South Harbor Drive for transmission of landfill gas.

Additional uses of the Premises are not permitted without the prior written approval of the Municipal Port Director. Tenant acknowledges the suitability of the Premises for its intended uses and bears sole responsibility for making any determination with respect thereto.

5. **Occupancy Subject to Existing Easements and Restrictions.** Tenant's occupancy of the Premises is subject to any recorded easements and restrictions of record.

6. **Termination and Vacation.**

A) **Termination and Vacation Date.** Tenant shall vacate the Premises on or before the expiration of this Agreement. The Premises shall be returned to City by Tenant as level base ground in substantially the same condition in which it was received. In the event that Tenant fails to vacate the Premises in a timely fashion, City shall have the option to do any or all of the following: (1) cause the Premises to be vacated; (2) charge Tenant twice (2x) the rent set forth in Section 3 of this Agreement for all periods subsequent to the date of expiration of this Agreement or of any agreed extension thereof; and (3) to assess and recover against the Tenant the actual costs of such vacation and any damages sustained by the City as a consequence of the Tenant's failure to timely vacate the Premises.

B) **Premises to be Vacated Clear of all Materials.** Tenant shall vacate the Premises free and clear of all materials and equipment and of all improvements. In the event that Tenant fails to vacate the Premises in the prescribed state of clearance, as determined by City, after ten (10) days' written notice to

Tenant, City shall have the option to have such clearance and clean-up conducted as in its reasonable judgment is necessary in order to bring the Premises to the prescribed state of clearance and to assess the costs of such action against Tenant.

C) Tenant shall remove all subsurface piping located in the Premises within six months of the date of termination of this Agreement, unless otherwise mutually agreed to by both parties in writing.

D) This Agreement may be terminated prior to the date of its stated expiration date by the mutual written consent of the Port Director and the Tenant.

7. **Default.** The occurrence of one or more of the following events shall be considered events of default under the terms of this Agreement:

A) Tenant shall be adjudged a bankrupt, or a decree or order, approving as properly filed, a petition or answer asking reorganization of Tenant under Federal Bankruptcy Laws as now or hereafter amended, or under the laws of this State, shall be entered, and any such decree, judgment or order shall not have been vacated, stayed or set aside within sixty (60) days from the date of the entry or granting thereof; City may at its sole option extend the Agreement term on a month-to-month basis in the event additional time is required for Tenant to vacate the Premises under this Section; or

B) Tenant shall file or admit the jurisdiction of the court and the material allegations contained in any petition in bankruptcy or any petition pursuant or purporting to be pursuant to the Federal Bankruptcy Laws as now or hereafter amended, or Tenant shall institute any proceedings or shall give its consent to the institution of any proceedings for any relief of Tenant under any bankruptcy or insolvency laws or any laws relating to the relief of debtors, readjustment of indebtedness, or reorganization; or

C) Tenant shall make an assignment for the benefit of creditors or shall apply for or consent to the appointment of a receiver for Tenant; or

D) Tenant shall abandon the Premises for a period of thirty (30) days; or

E) Tenant shall be delinquent in any rental or other payments due under this Agreement and such delinquency shall continue for five (5) days after notice thereof in writing to Tenant; or

F) Tenant shall default in any of the other covenants or agreements herein contained to be kept, observed and performed by Tenant, and such default shall continue for ten (10) days after notice thereof in writing to Tenant; or

G) Tenant shall make any assignment, sublease, transfer, conveyance or other disposition of its interest in the Premises without the express written consent of City.

Upon occurrence of any one or more of such events of default, it shall be lawful for City, at its election in the manner and terms herein provided, to declare this Agreement ended, and to recover possession of the Premises, either with or without process of law, to enter and to expel, and remove Tenant and all agents, employees and representatives of Tenant engaged in operating the Premises or occupying the Premises, using such force as may be necessary in so doing. If default shall be made in any

covenants, agreements, conditions or undertakings herein contained, to be observed and performed by Tenant, which cannot with due diligence be cured within a period of ten (10) days, and if notice thereof in writing shall have been given to Tenant, and if Tenant prior to the expiration of said ten (10) days from and after the giving of such notice, commences to eliminate the cause of such default and proceeds diligently and with dispatch to take all steps and do all work required to cure such default and thereafter does so cure such default, then City shall not have the right to declare the term of the Agreement as ended; however, that the curing of any default in such manner shall not be construed to limit or restrict the right of City to declare this Agreement ended and terminated, and to enforce all of City's rights and remedies hereunder for any other default not so cured.

8. **Maintenance and Housekeeping**. Tenant shall at all times keep the Premises and all improvements thereon in a clean, neat, orderly and well-maintained appearance.

9. **Utilities**. Tenant shall be solely responsible for the installation and purchase of all utility services required by Tenant during the term of this Agreement.

10. **Assignment and Subleasing**. Tenant shall not assign or sublet the Premises or any portion thereof, nor allow the same to be used or occupied by any other person or for any other use than herein specified, without the prior written consent of City. For purposes of this Section, the transfer of any majority interest in any corporation or partnership shall be deemed to be an assignment of this Agreement. In the event City consents to any sublease or assignment, the same shall not constitute a release of Tenant from the full performance of Tenant's obligations under this Agreement. Further, in the event of any such sublease or assignment, Tenant shall reimburse City for all reasonable attorneys' fees in connection with reviewing and/or drafting any appropriate documents to affect such transfer of Tenant's interests. Further, Tenant shall pay to City as Additional Rent under this Agreement, 50% of any profit, rental or other compensation received in excess of the rental specified in Section 3 of this Agreement by Tenant as a consequence of any assignment or sublease hereunder.

11. **Indemnification**. Tenant hereby agrees to indemnify and save harmless City from and against all liabilities, claims, demands, judgments, losses and all suits at law or in equity, costs and expenses, including reasonable attorney's fees, for injury to and/or death of any person or persons and/or loss and/or damage to the Premises of any person, firm or corporation whomsoever, including both parties hereto and their employees, arising from the construction, maintenance or operation of Tenant's improvements and equipment, or in the carrying on of its business as hereinbefore set forth, except when such liability, claim, demand, judgment or loss arises solely from a negligent act of the City, its agents, contractors or employees.

12. **Insurance**. The Tenant is a municipal corporation and taxing authority that is self-insured for purposes of general liability and worker's compensation insurance. This status is confirmed by the Tenant's letter to this effect attached hereto as Exhibit C and incorporated herein by reference.

The Tenant further confirms that it is currently insured under policies of excess worker's compensation, professional liability, environmental site liability (ESL) and contractors pollution liability (CSL) insurance as set forth in the "Certificate of Liability Insurance", attached hereto as Exhibit D and incorporated herein by reference. The Tenant agrees to add the City as an Additional Insured to these policies to the extent possible, with the exception of excess workers' compensation and professional liability.

The Tenant additionally agrees to add the City as an Additional Insured on any policy of excess auto liability, property or environmental insurance, to the extent possible, that it may procure subsequent to the effective date of this Agreement. It shall include the City as an Additional Insured on any policy of insurance that it may procure specifically covering the pipeline and/or other installations within the scope of this Agreement.

13. **Taxes.** Tenant shall pay and discharge when due all taxes, if any, assessments, levies and other charges, general and special, that are or may be during the term hereof levied, assessed, imposed or charged on the Premises or the improvements thereon or hereafter placed thereon.

14. **Alterations and Improvements.** Tenant shall not make any alterations, additions, buildings or improvements to the Premises without the prior written consent of the City. Notwithstanding the aforesaid, Tenant, at Tenant's sole cost and expense, may install such trade fixtures as Tenant may deem necessary. In compliance with all applicable governmental and quasi-governmental laws, ordinances and regulations, Tenant shall furnish, upon City's request, plans, specifications, drawings and/or renderings of any proposed alterations, additions, buildings or improvements.

On or before the date of the expiration or earlier termination of this Agreement, Tenant shall remove all trade fixtures and any other alterations, additions, buildings or improvements installed by Tenant upon the Premises; and, upon such removal, Tenant shall restore the Premises to a condition substantially similar to that condition when received by Tenant. However, notwithstanding the aforesaid, upon City's written election, such alterations, additions, buildings and improvements shall revert to City and shall remain within the Premises. In no event shall City have any right to any of Tenant's trade fixtures, except as otherwise set forth in this Agreement.

Tenant or its contractors agree to properly secure all necessary permits and licenses required by any state, federal or local departments or agencies for the construction and operation of Tenant's business and improvements. A copy of each such permit or license shall be sent to the Port of Milwaukee for its record file.

15. **Destruction.** If the improvements upon the Premises are damaged in whole or in part by casualty so as to render the Premises untenable, and if the damages cannot be repaired within one hundred eighty (180) days from the date of said casualty, this Agreement shall terminate as of the date of such casualty unless otherwise mutually agreed to by the Tenant and City in writing. In the event of any

such termination, the parties shall have no further obligations to the other, except for those obligations accrued through the effective date of such termination; and, upon such termination, Tenant shall immediately surrender possession of the Premises to City. In the event only a portion of the Premises is untenantable, Tenant's rent shall be equitably abated in proportion to that portion of the Premises, which is so unfit. However, there shall be no rent abatement if said damage is due to fault or negligence of Tenant or Tenant's agents, employees or invitees.

16. **Compliance with Laws and Orders.**

Tenant agrees to observe fully and to comply with any laws, statutes, regulations, ordinances, rules, requirements or directives now in force or which shall emanate from any state, federal or local departments or agencies having jurisdiction. Tenant also agrees to be fully bound and to observe the provisions of the Municipal Port Tariff in effect as of the date of commencement of this Agreement and of any successor or equivalent document issued by the Board of Harbor Commissioners of the City of Milwaukee during the term of this Agreement.

17. **Security Compliance.** Tenant agrees to conform to all national security requirements imposed by the U.S. Department of Homeland Security, the Marine Transportation Security Act and its implementing regulations, as well as any applicable state and local security rules and regulations.

"Security," as that term is used herein, shall mean, "Measures designed to safeguard personnel; to prevent unauthorized access to equipment, Premises, buildings, harbor facilities, installations, materials, and documents; and to safeguard against espionage, sabotage, damage, and theft, or to prevent persons or organizations from engaging in any activity or using Port properties, equipment and material in a manner that would aid an effort to harm vital interests of the City of Milwaukee, the State of Wisconsin or the United States of America."

18. **Environmental Compliance and Obligations.**

A) **Compliance with Environmental Regulations.** Tenant shall fully comply with all environmental laws, including statutes, regulations, or other applicable requirements imposed by any federal, state, or municipal agency with respect to the environmental condition of the Premises and/or with respect to any activities or operations that Tenant may conduct upon the Premises (hereinafter referred to as "Environmental Requirements"). Tenant shall not cause, permit or suffer the existence or commission by Tenant, its agents, employees, contractors or invitees, or by any other person of any violation of any Environmental Requirements upon, about or beneath the Premises or any portion thereof.

B) **Environmental Laws.** The term "Environmental Laws" shall mean and include (a) the Resource Conservation and Recovery Act of 1976, 42 U.S.C. § 6901-6987, as amended by the Hazardous and Solid Waste Amendments of 1984; (b) the Comprehensive Environmental Response, Compensation and Liability Act, as amended by the Superfund Amendments and Reauthorization Act of 1986, 42 U.S.C. § 9601-9657; (c) the Hazardous Materials Transportation Act of 1975, 49 U.S.C. § 1801-1812; (d)

the Toxic Substances Control Act, 15 U.S.C. § 2601, et. seq.; (e) the Clean Air Act, 42 U.S.C. § 7401, et. seq.; (f) the Federal Insecticide, Fungicide and Rodenticide Act, 7 U.S.C. § 136, et. seq.; (g) Chapters 280-299 of Wisconsin Code; and all similar federal, state, or local environmental laws, ordinances, rules, codes and regulations, and as any of the foregoing may have been amended, supplemented, or supplanted and any other federal, state or local laws, ordinances, rules, codes and regulations now existing relating to the environment or the regulation or control or imposing liability or standards of conduct concerning toxic or hazardous waste, substances or materials.

C) Hazardous Material; Environmental Liens. Except to the extent commonly used in the day-to-day operation of the Premises, and in strict compliance with all Environmental Requirements (including those relating to storage, use and disposal), Tenant shall not cause, permit or suffer any "hazardous material" or "hazardous substance" (as defined by applicable Federal or State statutes or regulations) to be brought upon, treated, kept, stored, disposed of, discharged, released, produced, manufactured, generated, refined, or used upon, about, or beneath the Premises or any portion thereof by Tenant, its agents, employees, contractors, tenants or invitees, or any other person without the prior written consent of the City. Any request by Tenant for such consent by the City shall be in writing and shall demonstrate to the reasonable satisfaction of the City that such "hazardous material" or "hazardous substances" is necessary to conduct the business of Tenant and will be stored, used, and disposed of in a manner that complies with all applicable Environmental Requirements. Tenant shall not create or suffer to exist with respect to the Premises any lien, security interest, or other charge or encumbrance of any kind relating to the environmental condition of the Premises, including (without limitation) any lien imposed pursuant to Sec. 107(f) of the Superfund Amendments and Reauthorization Act 1986 (42 U.S.C. § 9607(L)) or any similar State Statute.

D) Obligation to Investigate and/or Remediate. Tenant shall, upon demand of the City, and at its sole cost and expense, promptly take all actions to investigate and/or remediate the environmental condition of the Premises which may be required by any federal, state or local governmental agency or political subdivision which remediation is necessitated from, or attributable to, the presence upon, about, or beneath the Premises of any "hazardous material" or "hazardous substances" or any violation of Environmental Requirements caused by the Presence of and/or activities or operations conducted by the Tenant upon the Premises. Any such investigation and/or remediation shall be performed by and under the direction of a qualified environmental consulting or engineering firm approved by City in advance of the commencement of the work. Tenant agrees to allow entry upon the Premises by the City, or agents, contractors or employees of the City for purposes of conducting environmental audits and/or other tests for the purpose of determining the impact of Tenant's presence and/or activities or operations upon or with respect to the Premises upon the environmental condition thereof. In the event that Tenant performs any such environmental audit and/or test on its own behalf, it shall promptly provide to the City full and

complete copies of any results and/or reports that are generated in connection with the above activities.

E) Survival of Obligations. Tenant's obligations with respect to the environmental condition of the Premises (as more fully set forth in Subsections (A) through (D) above) shall survive the expiration or termination of this Agreement.

F) Nothing in this agreement shall be deemed to be or constitute a waiver by the City of any defense available to it as a governmental entity pursuant to 42 U.S.C. § 9601 (35) (A) (ii) and § 9607 (b) (3) or Wis. Stat. §§ 292.11(9)(e), 292.23(2), 292.24(2) and 292.26.

19. Liens. Tenant shall not mortgage or otherwise encumber or allow to be encumbered its interest herein without obtaining the prior written consent of City. Should Tenant cause any mortgage, lien or other encumbrance (hereinafter singularly or collectively referred to as "Encumbrance") to be filed against the Premises, Tenant shall dismiss or bond against same within fifteen (15) days after the filing thereof. If Tenant fails to remove said Encumbrance within said fifteen (15) days, City shall have the absolute right to remove said Encumbrance by whatever measures City shall deem convenient including, without limitation, payment of such Encumbrance, in which event Tenant shall reimburse City, as Additional Rent, all costs expended by City, including reasonable attorney's fees, in removing said Encumbrance. All of the aforesaid rights of City shall be in addition to any remedies which either City or Tenant may have available to them at law or in equity.

20. Time of the Essence. It is expressly understood and agreed to by the parties hereto that time is of the essence for each term and provision of this Agreement.

21. Waiver. One or more waivers by any party of any covenant or condition of this Agreement shall not be construed as a waiver of a subsequent breach of the same or of any other covenant or condition. The consent or approval given by any party with respect to any act by the other party requiring such consent or approval shall not be deemed to waive or render unnecessary further consent or approval of any subsequent similar act by such party.

22. Sole Agreement and Amendment. This shall be binding upon the parties hereto and their respective successors and assigns, and may not be modified orally or in any other manner other than by agreement, in writing, signed by each of the parties to this Agreement. Each person signing this Agreement warrants that this is the full, entire and complete Agreement between the parties; that the terms of this Agreement supersede and nullify any and all prior discussion, negotiations or agreements between the parties and/or any of the parties' respective officers, employees or agents relating in any manner to the subject matter of this Agreement; and that no promise or inducement not expressed in this Agreement has been made or exists to cause or influence each such person to execute this Agreement. Each person signing this Agreement warrants their ability to bind the party on whose behalf each signs.

23. Notice. Any notice provided for herein or given pursuant to this Agreement, shall be deemed

in compliance herewith if in writing and sent by United States certified or registered mail, postage prepaid, return receipt requested, or by receipted personal delivery to the parties as follows:

To the City:

BOARD OF HARBOR COMMISSIONERS
2323 S. Lincoln Memorial Drive
Milwaukee, WI 53207
Attention: Municipal Port Director

To The Tenant:

EXECUTIVE DIRECTOR
Milwaukee Metropolitan Sewerage District
260 West Seeboth
Milwaukee, Wisconsin 53204

24. **Governing Law.** This Agreement shall be governed by the internal laws of the State of Wisconsin. If any term or provision of this Agreement or any exhibits hereto, or the application thereof to any person or circumstance, shall to any extent be declared invalid or unenforceable, then the remainder of this Agreement and exhibits, or the application of such term or provision to persons or circumstances other than those as to which it is invalid or unenforceable, shall not be affected thereby, and each term and provision of this Agreement shall be valid and be enforced to the fullest extent permitted by applicable law.

Both parties understand that the City is bound by the Wisconsin Public Records Law, and as such, all of the terms of this Agreement are subject to and conditioned on the provisions of Wis. Stat. §19.21, et seq. Tenant acknowledges that it is obligated to assist the City in retaining and producing records that are subject to Wisconsin Public Records Law, and that the failure to do so shall constitute a material breach of this Agreement, and that the Tenant must defend and hold the City harmless from liability under that law. Except as otherwise authorized, those records shall be maintained for a period of seven years after receipt of final payment under this Agreement.

25. **Authorization.** The undersigned signatories to this instrument represent that they are duly authorized to contract on behalf of their respective entities.

26. **No Slavery Affidavit.** The Tenant shall execute the Affidavit of Compliance attached hereto as Exhibit E contemporaneously with its execution of this Agreement.

27. **Nondiscrimination.** Tenant hereby agrees that in its use of the Premises and in its activities undertaken pursuant hereto it shall not discriminate, permit discrimination or restriction on the basis of race, sexual orientation, creed, ethnic origin or identity, color, gender, religion, marital status, age, handicap or national origin.

28. **Counterparts.** This Agreement may be executed in any number of counterparts, each of

which shall constitute an original and all of which shall constitute one and the same Agreement. The terms "Board of Harbor Commissioners" and "City" whenever used herein shall mean and include the Board of Harbor Commissioners of the City of Milwaukee and/or its successors and assigns in authority, as the context may require.

29. **Approval.** IT IS FURTHER AGREED AND UNDERSTOOD that this Agreement must be submitted to the Common Council of the City of Milwaukee and that the same must be approved by the Common Council and its execution authorized.

IN WITNESS WHEREOF, the parties hereto have by their duly authorized officers executed this Agreement under seal as of the day and year first above written.

CITY OF MILWAUKEE

Tom Barrett, Mayor

Ronald D. Leonhardt, City Clerk

COUNTERSIGNED:

Michael J. Daun, Deputy Comptroller

**MILWAUKEE METROPOLITAN
SEWERAGE DISTRICT**

Kevin L. Shafer, P.E., Executive Director

Approved as to form:

Senior Staff Attorney

BOARD OF HARBOR COMMISSIONERS

Timothy K. Hoelter, President

Eric C. Reinelt, Secretary

APPROVED as to Form and Execution this
____ day of _____, 20____

Assistant City Attorney

Certificate Regarding Municipal Authority

I, Michael West, certify that I am the Chair of the Metropolitan Sewerage Commission which is the governing body of the Milwaukee Metropolitan Sewerage District (“TENANT”) under Wis. Stat. § 200.21 et. seq.; that Kevin L. Shafer, who executed the Easement and Lease Agreement between the Milwaukee Metropolitan Sewerage District and the Board of Harbor Commissioners/City of Milwaukee commencing February 13, 2012, is the Executive Director and in said capacity duly signed said Easement and Lease Agreement for and on behalf of the Milwaukee Metropolitan Sewerage District, being duly authorized so to do under its Commission policies and governing statutes.

Dated this _____ day of February, 2012.

Milwaukee Metropolitan Sewerage District

By: _____

Michael West

Title: Commission Chair

EASEMENT AND LEASE AGREEMENT

Between

MILWAUKEE METROPOLITAN
SEWERAGE DISTRICT

and the

BOARD OF HARBOR COMMISSIONERS/
CITY OF MILWAUKEE

For approximately 0.15 acres and subsurface
Pipeline easement at E. Bay Street

Term of Agreement: Twenty-five years

Date of Agreement: February 13, 2012



City of Milwaukee Fiscal Impact Statement

A Date 2/14/2012 File Number _____ Original Substitute
 Subject Approve an Easement and Lease Agreement with Milwaukee Metropolitan Sewerage District

B Submitted By (Name/Title/Dept./Ext.) Eric Reinelt, Municipal Port Director, Port of Milwaukee, xt. 8130

C This File

- Increases or decreases previously authorized expenditures.
- Suspends expenditure authority.
- Increases or decreases city services.
- Authorizes a department to administer a program affecting the city's fiscal liability.
- Increases or decreases revenue.
- Requests an amendment to the salary or positions ordinance.
- Authorizes borrowing and related debt service.
- Authorizes contingent borrowing (authority only).
- Authorizes the expenditure of funds not authorized in adopted City Budget.

D Charge To

- Department Account
- Capital Projects Fund
- Debt Service
- Other (Specify) _____
- Contingent Fund
- Special Purpose Accounts
- Grant & Aid Accounts

E

Purpose	Specify Type/Use	Expenditure	Revenue
Salaries/Wages		\$0.00	\$0.00
		\$0.00	\$0.00
Supplies/Materials		\$0.00	\$0.00
		\$0.00	\$0.00
Equipment		\$0.00	\$0.00
		\$0.00	\$0.00
Services		\$0.00	\$0.00
		\$0.00	\$0.00
Other		\$0.00	\$0.00
		\$0.00	\$0.00
TOTALS		\$ 0.00	\$ 0.00

F

Assumptions used in arriving at fiscal estimate.

this agreement requires MMSD to pay the City an annual land rent of \$2,700

G

For expenditures and revenues which will occur on an annual basis over several years check the appropriate box below and then list each item and dollar amount separately.

1-3 Years **3-5 Years**

no expenditures; MMSD as tenant will pay city \$2,700 annual rent

1-3 Years **3-5 Years**

1-3 Years **3-5 Years**

H

List any costs not included in Sections D and E above.

I

Additional information.

J

This Note **Was requested by committee chair.**



Legislation Details (With Text)

File #: 111443 **Version:** 0

Type: Resolution **Status:** In Committee

File created: 2/28/2012 **In control:** PUBLIC WORKS COMMITTEE

On agenda: **Final action:**

Effective date:

Title: Resolution approving a Lease Agreement with Discovery World.

Sponsors: THE CHAIR

Indexes: AGREEMENTS, PORT OF MILWAUKEE

Attachments: Cover Letter, Lease Agreement, Hearing Notice List

Date	Ver.	Action By	Action	Result	Tally
2/28/2012	0	COMMON COUNCIL	ASSIGNED TO		
3/2/2012	0	PUBLIC WORKS COMMITTEE	HEARING NOTICES SENT		

Number
111443
Version
Original
Reference
Sponsor
The Chair
Title

Resolution approving a Lease Agreement with Discovery World.

Analysis

This resolution would approve a Lease Agreement with Discovery World for 0.75 acres located at the foot of Russell Avenue for the use of a maintenance and repair facility for the schooner DENIS SULLIVAN and related activities by the Tenant's schooner operation and joint activities with community education and youth groups. The term is from March 1, 2012 through February 28, 2017.

...Body

Resolved, By the Common Council of the City of Milwaukee that said Common Council hereby ratifies and approves the Lease Agreement between the City of Milwaukee, by and through its Board of Harbor Commissioners and Discovery World; and, be it

Further Resolved, That the designated officers of said government and said Board are hereby authorized and directed to execute an agreement to carry out this purpose as prepared by the City Attorney's office.

Drafter:
Port of Milwaukee
Eric C. Reinelt
2/14/12

i:dwrusavelse12ccres.doc

February 14, 2012

Ref: DW/Lease

To The Honorable
The Common Council
City of Milwaukee

Dear Council Members:

The Port of Milwaukee is requesting approval of Lease Agreement with Discovery World for a small 0.75 acre parcel of land located at the south end of Jones Island commencing March 1, 2012 and terminating on February 28, 2017. This land will be used as a repair shop for the DENIS SULLIVAN and community education programs.

At its meeting of February 9, 2012, the Board of Harbor Commissioners approved the Lease Agreement and authorized the Port staff to notify the Common Council. It is therefore, placed before your Honorable Body for its ratification of the Board's action. We respectfully request that your Honorable Body approve this lease renewal and authorize its execution by adopting the attached resolution.

Respectfully submitted,

ERIC C. REINELT
Municipal Port Director

ECR/dcl

i:dwrusavelse12ccltr.doc

LEASE AGREEMENT

Lease Agreement made as of the ____ day of _____, 20____, by and between Discovery World, Ltd., a Wisconsin nonstock corporation, (hereinafter referred to as "Tenant"), and the CITY OF MILWAUKEE, a Wisconsin corporation, by and through its Board of Harbor Commissioners (hereinafter collectively referred to as the "City").

WITNESSETH:

The City hereby leases, demises and lets unto Tenant the real property comprised of approximately 0.75 acres (hereinafter referred to as the "Property"), located on the South Harbor Tract of the City of Milwaukee at the foot of E. Russell Avenue. The Property is more particularly described in Exhibit A, which is affixed hereto and incorporated into this document by this reference.

This Lease is entered into by the parties under the following terms and conditions:

1. **Term.** The term of this Lease is 5 years and will commence on March 1, 2012 and will terminate on February 28, 2017 ("Initial Term").

The term of this lease shall be extended for an additional 5 years ("Extension Term") under the same terms and conditions unless either party shall deliver to the other party a written notice of termination within ninety (90) days prior to expiration of the Initial Term. This extension shall be approved by the Board of Harbor Commissioners.

2. **Rent.** A flat fee of \$1,000 annually payable to the City through in-kind costs of improvements to the area and additional services provided by the Tenant as specified herein.

3. **Use of the Property.** The property will be used as a maintenance and repair facility for the schooner "DENIS SULLIVAN". Tenant acknowledges that the existing buildings on the Property are suitable for this use. The finger pier as shown in Exhibit A extending east of the Property will serve as a temporary berth on occasion for the DENIS SULLIVAN. It will be used for holding boats, building and related activities by the Tenant's schooner operation and joint activities with community education and youth groups, such as MPS Programs, the Sea Scouts, Boy Scouts, and the schooner school.

The storage of private small boats on the Property will be strictly controlled by the Tenant. Only boats directly related to the Tenant's use of the Property are to be stored there. Tenant will keep an accurate list of the owners and their boats in storage and make such list available to the City. Boat owners judged to be in violation of these storage restrictions will be liable for the payment of a \$200 per month or portion thereof storage fee to be collected by Tenant and paid to the City as additional rent.

Additional uses of the Property are not permitted without the prior written approval of the Municipal Port Director. Tenant acknowledges the suitability of the Property for its intended uses and bears sole responsibility for making any determination with respect thereto.

4. **Improvements and Operations.** The property is being rented “as is”. Tenant will make necessary improvements for its occupancy and will be responsible for all maintenance and repairs to the grounds and improvements. Tenant will enlist the assistance of members of its youth educational programs on a general clean up of the Property to include:

A) **Landscaping:** there is currently minimal landscaping at the site. Tenant will add some flowers and maybe some temporary planters and will consider adding bushes and trees in the future. Snow removal and lawn care will be the Tenant’s responsibility.

B) **Fencing:** fencing may be used to enhance the landscaping. Decorative wood fencing can be used to façade the bathroom area and some of the already existing small boats used by the Sea Scouts. No fencing will be placed along the southern side of the Property.

C) **Lighting:** the current site lighting is believed to be adequate. Tenant may install some temporary low voltage “ground” lighting along the east dock for safety as well as minimal white Christmas tree type lights as the vessels docking queue.

D) **Signage:** ground eye level signs identifying the site and providing phone and web page information may be mounted to the front gate or buildings. These signs will be no bigger than 3’x2’.

E) **Portable Restrooms:** two portable toilets will be located at the site and maintained regularly. Landscape fencing will be used to disguise its appearance.

F) **Parking:** Tenant will address parking needs for any public events that may be planned for this site. Such plans will be submitted to the City in advance of any event. Tenant will limit the quantity of cars in the lot west of the building. All information that Tenant sends to people who will be visiting the Property will stress that limited parking space is available and encourage people to carpool. Tenant will monitor traffic and parking related to their operations in an effort to prevent any negative impact to the neighborhood.

G) **Hours of operation:** the grounds will open an hour prior to the start of programs (7:30 a.m. to 8:30 a.m.). The grounds will close no later than 8:00 p.m. When the DENIS SULLIVAN is at the dock, the grounds will close no later than 7:00 p.m. During the closed times, the gate will remain shut. The gate may be shut at other times to control educational programming. The Schooner crew, whom live aboard the vessel, will have access to the grounds, but adhere to a noise curfew after 9:00 p.m. Access to the pier for fishermen will not be restricted, unless security issues prevail.

5. **Occupancy Subject to Existing Easements and Restrictions.** Tenant's occupancy of the Property is subject to any recorded easements and restrictions of record.

6. **Termination and Vacation.**

A) **Termination and Vacation Date.** Tenant shall vacate the Property on or before the expiration of this Lease. The Property shall be returned to the City by Tenant in substantially the same condition in which it was received. In the event that Tenant fails to vacate the Property in a timely

fashion, the City shall have the option to do any or all of the following: (1) cause the Property to be vacated; (2) charge Tenant twice (2x) the rent set forth in Section 2 of this Lease for all periods subsequent to the date of expiration of this Lease or of any agreed extension thereof; and (3) to assess and recover against the Tenant the actual costs of such vacation and any damages sustained by the City as a consequence of the Tenant's failure to timely vacate the Property.

B) Property to be Vacated Clear of all Materials. Tenant shall vacate the Property free and clear of all materials and equipment and of all improvements in accordance with Section 9. In the event that Tenant fails to vacate the Property in the prescribed state of clearance, as determined by the City, after ten (10) days' written notice to Tenant, the City shall have the option to have such clearance and clean-up conducted as in its reasonable judgment is necessary in order to bring the Property to the prescribed state of clearance and to assess the costs of such action against Tenant.

C) This Lease may be terminated prior to the date of its stated expiration date only by the mutual written consent of the Port Director and the Tenant.

7. **Default**. The occurrence of one or more of the following events shall be considered events of default under the terms of this Lease:

A) Tenant shall be adjudged a bankrupt, or a decree or order, approving as properly filed, a petition or answer asking reorganization of Tenant under Federal Bankruptcy Laws as now or hereafter amended, or under the laws of this State, shall be entered, and any such decree, judgment or order shall not have been vacated, stayed or set aside within sixty (60) days from the date of the entry or granting thereof; the City may at its sole option extend the Lease term on a month-to-month basis in the event additional time is required for Tenant to vacate Property under this Section; or

B) Tenant shall file or admit the jurisdiction of the court and the material allegations contained in any petition in bankruptcy or any petition pursuant or purporting to be pursuant to the Federal Bankruptcy Laws as now or hereafter amended, or Tenant shall institute any proceedings or shall give its consent to the institution of any proceedings for any relief of Tenant under any bankruptcy or insolvency laws or any laws relating to the relief of debtors, readjustment of indebtedness, or reorganization; or

C) Tenant shall make an assignment for the benefit of creditors or shall apply for or consent to the appointment of a receiver for Tenant; or

D) Tenant shall abandon the Property for a period of ninety (90) days.

E) Tenant shall be delinquent in any rental or other payments due under this Lease and such delinquency shall continue for five (5) days after notice thereof in writing to Tenant; or

F) Tenant shall default in any of the other covenants or agreements herein contained to be kept, observed and performed by Tenant, and such default shall continue for ten (10) days after notice thereof in writing to Tenant; or

G) Tenant shall make any assignment, sublease, transfer, conveyance or other disposition of its interest in the Property without the express written consent of the City.

Upon occurrence of any one or more of such events of default, it shall be lawful for the City, at its election in the manner and terms herein provided, to declare this Lease ended, and to recover possession of the Property, either with or without process of law, to enter and to expel, and remove Tenant and all agents, employees and representatives of Tenant engaged in operating the Property or occupying the Property, using such force as may be necessary in so doing. If default shall be made in any covenants, agreements, conditions or undertakings herein contained, to be observed and performed by Tenant, which cannot with due diligence be cured within a period of ten (10) days, and if notice thereof in writing shall have been given to Tenant, and if Tenant prior to the expiration of said ten (10) days from and after the giving of such notice, commences to eliminate the cause of such default and proceeds diligently and with dispatch to take all steps and do all work required to cure such default and thereafter does so cure such default, then the City shall not have the right to declare the term of the Lease as ended; however, that the curing of any default in such manner shall not be construed to limit or restrict the right of the City to declare this Lease ended and terminated, and to enforce all of the City's rights and remedies hereunder for any other default not so cured.

8. **Maintenance and Housekeeping.**

A) Tenant's Repairs & Maintenance. Tenant shall keep the Property and any dock area servicing the Property in a clean and sanitary condition, and shall keep the common parking areas, and driveways free of Tenant's debris, and shall control weeds and maintain landscaping. Tenant shall not store materials, waste or pallets outside of the Property, and shall timely arrange for the removal and/or disposal of all pallets, crates and refuse owned by Tenant which cannot be disposed of in the dumpster(s) servicing the Property.

Tenant shall at all times keep the Property and all improvements thereon in a clean, neat, orderly and well-maintained appearance. Tenant shall, without limitation by reason of enumeration, undertake the measures listed in Section 4 throughout the term of this Lease in furtherance of these objectives.

Upon the expiration or earlier termination of this Lease, Tenant shall return the Property to the City in substantially the same condition as when received, reasonable wear and tear accepted. Tenant shall perform all repairs and maintenance in a good and workmanlike manner, using materials and labor of the same character, kind and quality as originally employed within the Property; and all such repairs and maintenance shall be in compliance with all governmental and quasi-governmental laws, ordinances and regulations, as well as all requirements of the City's insurance carrier. In the event Tenant fails to properly perform any such repairs or maintenance within a reasonable period of time, the City shall have the option to perform any such repairs on behalf of Tenant, in which event Tenant shall reimburse to the

City, as Additional Rent, the costs thereof within thirty (30) days after receipt of the City's invoice for same.

9. **Utilities.** Tenant shall be solely responsible for the installation and purchase of all utility services required by Tenant during the term of this Lease.

10. **Assignment and Subleasing.** Tenant shall not assign or sublet the Property or any portion thereof, nor allow the same to be used or occupied by any other person or for any other use than herein specified, without the prior written consent of the City. For purposes of this Section, the transfer of any majority interest in any corporation or partnership shall be deemed to be an assignment of this Lease. In the event the City consents to any sublease or assignment, the same shall not constitute a release of Tenant from the full performance of Tenant's obligations under this Lease. Further, in the event of any such sublease or assignment, Tenant shall reimburse the City for all reasonable attorneys' fees in connection with reviewing and/or drafting any appropriate documents to effect such transfer of Tenant's interests.

11. **Indemnification.** Tenant hereby agrees to indemnify and save harmless the City, Board of Harbor Commissioners, Sea Scouts, school groups, and other property users from and against all liabilities, claims, demands, judgments, losses and all suits at law or in equity, costs and expenses, including reasonable attorney's fees, for injury to and/or death of any person or persons and/or loss and/or damage to the property of any person, firm or corporation whomsoever, including both parties hereto and their employees, arising from the construction, maintenance or operation of Tenant's improvements and equipment, or in the carrying on of its business as hereinbefore set forth, except when such liability, claim, demand, judgment or loss arises solely from a negligent act of the City, its agents, contractors or employees.

12. **Insurance.** Tenant shall maintain in full force and effect throughout the currency of this Lease, the following insurance covering any and all liability or obligations which may result from operations by Tenant, Tenant's employees, visitors, guests, agents, contractors or subcontractors as aforesaid in this Lease:

A) Property insurance coverage protecting against physical damage (including but not limited to fire, lightning, extended coverage perils, vandalism, sprinkler leakage, water damage, collapse and other special extended perils) to the extent of the replacement cost of Tenant's personal property and improvements as well as goods or property in Tenant's care, custody and/or control.

B) Comprehensive General Liability Insurance (including but not limited to Products and Completed Operations and Contractual Liability, as applicable to Tenant's obligations under this Lease) with limits not less than:

Each Occurrence Limit:	\$2,000,000
Products/Completed Operations Aggregate:	\$2,000,000
General Policy Aggregate:	\$2,000,000

- C) Automotive Liability Insurance with Limits not less than:
 - Bodily Injury and Property Damage
 - Combined Single Limit: \$1,000,000 per occurrence
- D) Worker's Compensation Insurance in accordance with Chapter 102, Wisconsin Statutes and any applicable Federal law.
- E) Umbrella Coverage: \$10,000,000 in aggregate

All such policies shall be of a form and content satisfactory to the City. In addition, the Board of Harbor Commissioners of the City of Milwaukee and the City of Milwaukee will be designated on the General Liability, Property Insurance, Automobile and Umbrella policies as Additional Named Insureds. All policies shall be with companies licensed to do business in the State of Wisconsin and rated 'A' or better in the most current issue of Best's Key Rating Guide. Tenant shall furnish the City with certificates of insurance for all policies showing that insurance has been written as required. Such evidence shall be provided by Tenant at least thirty (30) days prior to occupancy; and further, such policies shall provide that no less than thirty (30) days written notice be given to the City before any such policies are cancelled or substantially changed to reduce the insurance provided thereby. Said certificates of insurance shall remain in effect for the duration of this. Tenant shall not act in any manner that may make void or voidable any insurance required herein. Upon written demand, Tenant shall provide the City full, complete and accurate copies of the insurance policies required by this Lease. Once in every three (3)-year period during the term of this Lease, the City shall review the extent and limits of the insurance coverage required herein. After said review, should the City determine an increase in the extent and/or limits of insurance coverage is required, Tenant shall be so notified in writing and Tenant shall cause such increases to be placed in effect within thirty (30) days of receiving such notice. In no event shall the extent and limits of insurance coverage be reduced from the amounts shown herein.

The attorney in fact or agent of any insurance company furnishing any policy of insurance shall sign and furnish an affidavit setting forth that no City official or employee has any interest, direct or indirect, or has received any premium, commission, fee or other thing of value on account of furnishing said policy of insurance.

13. **Liability for Visitors**. Tenant acknowledges that its intended use of the Property under this Lease will necessarily implicate the presence of large numbers of visitors including but not limited to participants in its various boat building and seamanship programs. Tenant assumes sole responsibility for the safety and well being of such visitors and shall assume all liability for any injury or loss of any nature or kind that may be suffered by any visitor to the Property. Tenant agrees to indemnify and save the City harmless from liability for any such injury or loss in accordance with Section 11 of this Lease.

14. **Taxes.** Tenant shall pay and discharge when due all taxes, if any, assessments, levies and other charges, general and special, that are or may be during the term hereof levied, assessed, imposed or charged on the Property or the improvements thereon or hereafter placed thereon.

15. **Alterations & Improvements.** Tenant shall not make any alterations, additions, buildings or improvements to the Property without the prior written consent of the City. Notwithstanding the aforesaid, Tenant, at Tenant's sole cost and expense, may install such trade fixtures as Tenant may deem necessary. In compliance with all applicable governmental and quasi-governmental laws, ordinances and regulations, Tenant shall furnish, upon the City's request, plans, specifications, drawings and/or renderings of any proposed alterations, additions, buildings or improvements.

On or before the date of the expiration or earlier termination of this Lease, Tenant shall remove all trade fixtures and any other alterations, additions, buildings or improvements installed by Tenant within the Property; and, upon such removal, Tenant shall restore the Property to a condition substantially similar to that condition when received by Tenant. However, notwithstanding the aforesaid, upon the City's written election, such alterations, additions, buildings and improvements shall revert to the City and shall remain within the Property. In no event shall the City have any right to any of Tenant's trade fixtures except as otherwise set forth in this Lease.

Tenant or its contractors agree to properly secure all necessary permits and licenses required by any state, federal or local departments or agencies for the construction and operation of Tenant's business and improvements. A copy of each such permit or license shall be sent to the Port of Milwaukee for its record file.

16. **Destruction.** If the improvements upon the Property are damaged in whole or in part by casualty so as to render the Property untenable, and if the damages cannot be repaired within one hundred eighty (180) days from the date of said casualty, this Lease shall terminate as of the date of such casualty. If the damages can be repaired within said one hundred eighty (180) days, and the City does not elect within sixty (60) days after the date of such casualty to repair same, then either party may terminate this Lease by written notice served upon the other. In the event of any such termination, the parties shall have no further obligations to the other, except for those obligations accrued through the effective date of such termination; and, upon such termination, Tenant shall immediately surrender possession of the Property to the City. The City is under no obligation to undertake any repairs but, should the City elect to make such repairs, this Lease shall remain in full force and effect, and the City shall proceed with all due diligence to repair and restore the improvements to a condition substantially similar to that condition which existed prior to such casualty. In the event the repair and restoration of the Property extends beyond one hundred eighty (180) days after the date of such casualty due to causes beyond the control of the City, this Lease shall remain in full force and effect, and the City shall not be liable therefore; but the City shall continue to complete such repairs and restoration with all due diligence. Tenant shall not be

required to pay any rent for any period in which the Property is un-tenantable. However, there shall be no rent abatement if said damage is due to fault or negligence of Tenant or Tenant's agents, employees or invitees.

17. **Site Development Agreements.** In the event that the City and Tenant agree to a plan for the future development of the Property, said plan shall be embodied in a Site Development Agreement which shall be appended to this Lease as an Addendum and shall be incorporated into this Lease as though an integral part thereof. Tenant agrees to fully and continuously comply with all terms and condition of the Site Development Agreement and further agrees that any non-compliance on its part with any of these terms and conditions shall constitute an event of default under this Lease.

18. **Compliance with Laws and Orders.** Tenant agrees to observe fully and to comply with any laws, statutes, regulations, ordinances, rules, requirements or directives now in force or which shall emanate from any state, federal or local departments or agencies having jurisdiction. Tenant also agrees to be fully bound and to observe the provisions of the Municipal Port Tariff in effect as of the date of commencement of this Lease and of any successor or equivalent document issued by the Board of Harbor Commissioners of the City of Milwaukee during the term of this Lease.

19. **Security Compliance.** Tenant agrees to conform to all national security requirements imposed by the U.S. Department of Homeland Security, the Marine Transportation Security Act and its implementing regulations, as well as any applicable state and local security rules and regulations.

“Security,” as that term is used herein shall mean “Measures designed to safeguard personnel; to prevent unauthorized access to equipment, property, buildings, harbor facilities, installations, materials, and documents; and to safeguard against espionage, sabotage, damage, and theft, or to prevent persons or organizations from engaging in any activity or using Port properties, equipment and material in a manner that would aid an effort to harm vital interests of the City of Milwaukee, the State of Wisconsin or the United States of America.”

20. **Environmental Compliance and Obligations.**

A) **Compliance with Environmental Regulations.** Tenant shall fully comply with all environmental laws, including statutes, regulations, or other applicable requirements imposed by any federal, state, or municipal agency with respect to the environmental condition of the Property and/or with respect to any activities or operations that Tenant may conduct upon the Property (hereinafter referred to as "Environmental Requirements"). Tenant shall not cause, permit or suffer the existence or commission by Tenant, its agents, employees, contractors or invitees, or by any other person of any violation of any Environmental Requirements upon, about or beneath the Property or any portion thereof.

B) **Environmental Laws.** The term "Environmental Laws" shall mean and include (a) the Resource Conservation and Recovery Act of 1976, 42 U.S.C. § 6901-6987, as amended by the Hazardous and Solid Waste Amendments of 1984; (b) the Comprehensive Environmental Response, Compensation

and Liability Act, as amended by the Superfund Amendments and Reauthorization Act of 1986, 42 U.S.C. § 9601-9657; (c) the Hazardous Materials Transportation Act of 1975, 49 U.S.C. § 1801-1812; (d) the Toxic Substances Control Act, 15 U.S.C. § 2601, et. seq.; (e) the Clean Air Act, 42 U.S.C. § 7401, et. seq.; (f) the Federal Insecticide, Fungicide and Rodenticide Act, 7 U.S.C. § 136, et. seq.; (g) Chapters 280-299 of Wisconsin Code; and all similar federal, state, or local environmental laws, ordinances, rules, codes and regulations, and as any of the foregoing may have been amended, supplemented, or supplanted and any other federal, state or local laws, ordinances, rules, codes and regulations now existing relating to the environment or the regulation or control or imposing liability or standards of conduct concerning toxic or hazardous waste, substances or materials;

C) Hazardous Material; Environmental Liens. Except to the extent commonly used in the day-to-day operation of the Property, and in strict compliance with all Environmental Requirements (including those relating to storage, use and disposal), Tenant shall not cause, permit or suffer any "hazardous material" or "hazardous substance" (as defined by applicable Federal or State statutes or regulations) to be brought upon, treated, kept, stored, disposed of, discharged, released, produced, manufactured, generated, refined, or used upon, about, or beneath the Property or any portion thereof by Tenant, its agents, employees, contractors, tenants or invitees, or any other person without the prior written consent of the City. Any request by Tenant for such consent by the City shall be in writing and shall demonstrate to the reasonable satisfaction of the City that such "hazardous material" or "hazardous substances" is necessary to the conduct of the business of Tenant and will be stored, used, and disposed of in a manner that complies with all applicable Environmental Requirements. Tenant shall not create or suffer to exist with respect to the Property any lien, security interest, or other charge or encumbrance of any kind relating to the environmental condition of the Property, including (without limitation) any lien imposed pursuant to Sec. 107(f) of the Superfund Amendments and Reauthorization Act 1986 (42 U.S.C. § 9607(L)) or any similar State Statute.

D) Obligation to Investigate and/or Remediate. Tenant shall, upon demand of the City, and at its sole cost and expense, promptly take all actions to investigate and/or remediate the environmental condition of the Property which may be required by any federal, state or local governmental agency or political subdivision which remediation is necessitated from, or attributable to, the presence upon, about, or beneath the Property of any "hazardous material" or "hazardous substances" or any violation of Environmental Requirements caused by the Presence of and/or activities or operations conducted by the Tenant upon the Property. Any such investigation and/or remediation shall be performed by and under the direction of a qualified environmental consulting or engineering firm approved by the City in advance of the commencement of the work. Tenant agrees to allow entry upon the Property by the City, or agents, contractors or employees of the City for purposes of conducting environmental audits and/or other tests for the purpose of determining the impact of Tenant's presence and/or activities or operations upon or

with respect to the Property upon the environmental condition thereof. In the event that Tenant performs any such environmental audit and/or test on its own behalf, it shall promptly provide to the City full and complete copies of any results and/or reports that are generated in connection with the above activities.

E) Survival of Obligations. Tenant's obligations with respect to the environmental condition of the Property (as more fully set forth in Subsections (A) through (C) above) shall survive the expiration or termination of this Lease.

F) Nothing in this agreement shall be deemed to be or constitute a waiver by the City of any defense available to it as a governmental entity pursuant to 42 U.S.C. § 9601 (35) (A) (ii) and § 9607 (b) (3) or Wis. Stat. § 292.11(9)(e), 292.23(2), 292.24(2) and 292.26.

21. **Liens.** Tenant shall not mortgage or otherwise encumber or allow to be encumbered its interest herein without obtaining the prior written consent of the City. Should Tenant cause any mortgage, lien or other encumbrance (hereinafter singularly or collectively referred to as "Encumbrance") to be filed, against the Premises or the Property, Tenant shall dismiss or bond against same within fifteen (15) days after the filing thereof. If Tenant fails to remove said Encumbrance within said fifteen (15) days, the City shall have the absolute right to remove said Encumbrance by whatever measures the City shall deem convenient including, without limitation, payment of such Encumbrance, in which event Tenant shall reimburse the City, as Additional Rent, all costs expended by the City, including reasonable attorney's fees, in removing said Encumbrance. All of the aforesaid rights of the City shall be in addition to any remedies which either the City or Tenant may have available to them at law or in equity.

22. **Time of the Essence.** It is expressly understood and agreed to by the parties hereto that time is of the essence for each term and provision of this Lease.

23. **Waiver.** One or more waivers by any party of any covenant or condition of this Lease shall not be construed as a waiver of a subsequent breach of the same or of any other covenant or condition. The consent or approval given by any party with respect to any act by the other party requiring such consent or approval shall not be deemed to waive or render unnecessary further consent or approval of any subsequent similar act by such party.

24. **Sole Agreement and Amendment.** This shall be binding upon the parties hereto and their respective successors and assigns, and may not be modified orally or in any other manner other than by agreement, in writing, signed by each of the parties to this Lease. Each person signing this Lease warrants that this is the full, entire and complete Lease between the parties; that the terms of this Lease supersede and nullify any and all prior discussion, negotiations or agreements between the parties and/or any of the parties' respective officers, employees or agents relating in any manner to the subject matter of this Lease; and that no promise or inducement not expressed in this Lease has been made or exists to cause or influence each such person to execute this Lease. Each person signing this Lease warrants their ability to bind the party on whose behalf each signs.

25. **Notice**. Any notice provided for herein or given pursuant to this Lease, shall be deemed in compliance herewith if in writing and sent by United States certified or registered mail, postage prepaid, return receipt requested, or by receipted personal delivery to the parties as follows:

To the City:

BOARD OF HARBOR COMMISSIONERS
2323 S. Lincoln Memorial Drive
Milwaukee, WI 53207
Attention: Municipal Port Director

To The Tenant:

Mr. Joel Brennan
President
Discovery World
500 N. Harbor Drive
Milwaukee, WI 53202

26. **Governing Law**. This Lease shall be governed by the internal laws of the State of Wisconsin. If any term or provision of this Lease or any exhibits hereto, or the application thereof to any person or circumstance, shall to any extent be declared invalid or unenforceable, then the remainder of this Lease and exhibits, or the application of such term or provision to persons or circumstances other than those as to which it is invalid or unenforceable, shall not be affected thereby, and each term and provision of this Lease shall be valid and be enforced to the fullest extent permitted by applicable law.

Both parties understand that the City is bound by the Wisconsin Public Records Law, and as such, all of the terms of this Lease are subject to and conditioned on the provisions of Wis. Stat. §19.21, et seq. Tenant acknowledges that it is obligated to assist the City in retaining and producing records that are subject to Wisconsin Public Records Law, and that the failure to do so shall constitute a material breach of this Lease, and that the Tenant must defend and hold the City harmless from liability under that laws. Except as otherwise authorized, those records shall be maintained for a period of seven years after receipt of final payment under this Lease.

27. **Authorization**. The undersigned signatories to this instrument represent that they are duly authorized to contract on behalf of their respective entities.

28. **No Slavery Affidavit**. The Tenant shall execute the Affidavit of Compliance attached hereto as Exhibit B contemporaneously with its execution of this Lease.

29. **Nondiscrimination**. Tenant hereby agrees that in its use of the Property and in its activities undertaken pursuant hereto it shall not discriminate, permit discrimination or restriction on the basis of race, sexual orientation, creed, ethnic origin or identity, color, gender, religion, marital status, age, handicap or national origin.

30. **Counterparts**. This Lease may be executed in any number of counterparts, each of which shall constitute an original and all of which shall constitute one and the same Lease. The terms "Board of

Harbor Commissioner" and "City" whenever used herein shall mean and include the Board of Harbor Commissioners of the City of Milwaukee and/or its successors and assigns in authority, as the context may require.

31. **Approval.** IT IS FURTHER AGREED AND UNDERSTOOD that this Lease must be submitted to the Common Council of the City of Milwaukee and that the same must be approved by the Common Council and its execution authorized.

IN WITNESS WHEREOF, the parties hereto have by their duly authorized officers executed this Lease under seal as of the day and year first above written.

CITY OF MILWAUKEE

Tom Barrett, Mayor

Ronald D. Leonhardt, City Clerk

COUNTERSIGNED:

W. Martin Morics, City Comptroller

BOARD OF HARBOR COMMISSIONERS

Timothy K. Hoelter, President

Eric C. Reinelt, Secretary

STATE OF _____
_____ COUNTY

Personally came before me this _____ day of _____, 20____, _____,
the _____, and _____, the _____, who by
its authority and on its behalf executed the foregoing instrument and acknowledged the same.

NOTARY PUBLIC, State of Wisconsin
My Commission Expires _____

PLEASE NOTE: TENANTS MUST COMPLETE THE FOLLOWING:

(Note: Someone other than the individual who executed this Lease must certify the following):

CERTIFICATE RE: CORPORATION

I, _____ certify that I am the _____ of the above
(print name) (print title)

TENANT named herein; that _____, who executed this Lease on behalf of
(print signator of tenant)

the above TENANT was then _____ of said corporation, and in said
(official capacity of signator)

capacity, duly signed said Lease for and on behalf of said corporation, being duly authorized so to do under its bylaws or is authorized so to do by action of its duly constituted board, all of which is within the scope of its corporate powers.

Dated at _____ this _____ day of _____ 20 ____
(location)

(signature)

APPROVED as to Form and Execution this
____ day of _____, 20 ____

Assistant City Attorney

LEASE AGREEMENT

Between

DISCOVERY WORLD, LTD.

and the

CITY OF MILWAUKEE/
BOARD OF HARBOR COMMISSIONERS

For the use of approximately 0.75 acres
At the foot of East Russell Avenue

Term:

Date of Agreement:



Legislation Details (With Text)

File #: 111444 **Version:** 0

Type: Resolution **Status:** In Committee

File created: 2/28/2012 **In control:** PUBLIC WORKS COMMITTEE

On agenda: **Final action:**

Effective date:

Title: Resolution approving a Three-Year Harbor Statement of Intentions for the Port of Milwaukee.

Sponsors: THE CHAIR

Indexes: HARBOR COMMISSION, PORT OF MILWAUKEE

Attachments: Cover Letter, Statement of Intention, Hearing Notice List

Date	Ver.	Action By	Action	Result	Tally
2/28/2012	0	COMMON COUNCIL	ASSIGNED TO		
3/2/2012	0	PUBLIC WORKS COMMITTEE	HEARING NOTICES SENT		

Number
111444
Version
Original
Reference

Sponsor
The Chair
Title

Resolution approving a Three-Year Harbor Statement of Intentions for the Port of Milwaukee.

Analysis

The Wisconsin Dept. of Transportation, in accord with State Statute, requires a Statement of Project Intentions from Local units of government intending to apply for Federal and/or State aid for harbor-related work of benefit to commercial transportation within the next three years.

Body

Resolved, The Three-Year Harbor Statement of Intentions attached to this resolution describes proposed improvements which are in the best interest of the Port of Milwaukee, City of Milwaukee; and, be it

Further Resolved, The Port of Milwaukee has carefully reviewed the estimated project costs, funding sources, physical location and alternatives to the proposed projects; and, be it

Further Resolved, This Three-Year Harbor Statement of Intentions is used by the Wisconsin Department of Transportation for planning purposes only and is not a petition for Federal and/or State aid; and, be it

Further Resolved, The Board of Harbor Commissioners approved the Three-Year Harbor Statement of Intentions at its meeting on February 9, 2012; and, be it

Further Resolved, All projects included in the three-year program are contingent upon future Common Council approval of each project prior to proceeding with the project; and, be it

Further Resolved, By the Common Council of the City of Milwaukee that, the Three-Year Harbor Statement of Intentions

attached to this file is approved.

Drafter

Lawrence E. Sullivan

Port of Milwaukee

2/14/2012

md/3yrst12ccres.doc

February 14, 2011

Ref: HAP/3 year statement

To The Honorable
The Common Council
City of Milwaukee

Dear Council Members:

In order to be eligible for future grants under the State Department of Transportation Harbor Assistance Program, an annual update of the Port's Harbor Development Three Year Statement of Intentions is required to be submitted to the State Department of Transportation by April 1 each year.

The State Department of Transportation uses this listing of potential future projects for budgeting purposes. It is neither an application for funding, nor does it represent, in any way, a financial commitment by the City.

The Port's 2012 Harbor Development Three-Year Statement of Intentions was unanimously approved by the Board of Harbor Commissioners at its last meeting on February 9, 2012 and we, therefore, respectfully request that your Honorable Body approve such so that we may transmit it to the State Department of Transportation by April 1, 2012.

Respectfully submitted,

LAWRENCE E. SULLIVAN
Harbor Engineer

LES/dcl

PORT OF MILWAUKEE
WISCONSIN DEPARTMENT OF TRANSPORTATION
HARBOR ASSISTANCE PROGRAM
THREE-YEAR HARBOR DEVELOPMENT STATEMENT OF INTENTION
2012 TO 2014

Application Date	Project Description	Construction Year	Split State-City	Estimated Project Cost
2012	Fender Improvements (various locations)	2012/2013	80%-20%	\$ 100,000
2012	Terminal Paving Rehabilitation & Related work (various locations)	2012/2013	80%-20%	\$ 200,000
2012	Pier /Berth Channel Improvements (dredging & related work various locations)	2012/2013	80%-20%	\$ 100,000
2013	Trans Load Terminal & Related Equipment	2013/2014	80%-20%	\$ 1,750,000
2013	City Heavy Lift Dock Improvements	2013/2014	80%-20%	\$ 2,600,000
2013	Pier /Berth Channel Improvements (dredging & related work various locations)	2013/2014	80%-20%	\$ 1,000,000
2014	Cargo Handling Equipment & Related work	2014/2015	80%-20%	\$ 5,000,000
2014	Relocate Container yard	2014/2015	80%-20%	\$ 1,200,000
2014	Fender Improvements (various locations)	2014/2015	80%-20%	\$ 500,000
2014	Pier /Berth Channel Improvements (dredging & related work various locations)	2014/2015	80%-20%	\$ 1,000,000

File Excel I:013012a-hap3-year.xls

ECR/HB/BN/WJ/LES 01-30-2011



Legislation Details (With Text)

File #: 111405 **Version:** 0

Type: Resolution **Status:** In Committee

File created: 2/7/2012 **In control:** PUBLIC WORKS COMMITTEE

On agenda: **Final action:**

Effective date:

Title: Resolution authorizing a Purchase, Sale and Redevelopment Agreement for the East Library at 1910 East North Avenue with HSI Properties, LLC, in the 3rd Aldermanic District.

Sponsors: ALD. KOVAC

Indexes: AGREEMENTS, PROPERTY SALES, PUBLIC LIBRARY

Attachments: Hearing Notice List

Date	Ver.	Action By	Action	Result	Tally
2/7/2012	0	COMMON COUNCIL	ASSIGNED TO		
2/9/2012	0	PUBLIC WORKS COMMITTEE	REFERRED TO		
3/2/2012	0	PUBLIC WORKS COMMITTEE	HEARING NOTICES SENT		

Number
111405
Version
ORIGINAL
Reference

Sponsor
ALD. KOVAC
Title
Resolution authorizing a Purchase, Sale and Redevelopment Agreement for the East Library at 1910 East North Avenue with HSI Properties, LLC, in the 3rd Aldermanic District.
Drafter
DCD/Real Estate
EMM:bmm
02/07/12/A



Legislation Details (With Text)

File #: 111392 **Version:** 1

Type: Resolution **Status:** In Committee

File created: 2/7/2012 **In control:** PUBLIC WORKS COMMITTEE

On agenda: **Final action:**

Effective date:

Title: Substitute resolution to vacate a portion of East Thomas Avenue, the south side, between North Cramer Street and North Murray Avenue, in the 3rd Aldermanic District.

Sponsors: THE CHAIR

Indexes: STREET VACATIONS

Attachments: Exhibit A, City Plan Commission Letter, Hearing Notice List

Date	Ver.	Action By	Action	Result	Tally
2/7/2012	0	COMMON COUNCIL	ASSIGNED TO		
2/9/2012	0	PUBLIC WORKS COMMITTEE	REFERRED TO		
3/2/2012	0	PUBLIC WORKS COMMITTEE	HEARING NOTICES SENT		

Number
111392
Version
SUBSTITUTE 1
Reference

Sponsor
THE CHAIR
Title

Substitute resolution to vacate a portion of East Thomas Avenue, the south side, between North Cramer Street and North Murray Avenue, in the 3rd Aldermanic District.

Analysis
This substitute resolution vacates the above right-of-way in accordance with vacation proceedings under power granted to the City of Milwaukee by Section 62.73, Wisconsin Statutes, and Section 308-28, Milwaukee Code of Ordinances. This vacation was requested by the Milwaukee Department of City Development for the redevelopment of the East Library parcel.

Body
Whereas, It is proposed that a portion of East Thomas Avenue, the south side, between North Cramer Street and North Murray Avenue be vacated pursuant to the provisions of Section 62.73, Wisconsin Statutes; and

Whereas, The Department of Public Works has been directed to prepare a coordinated report estimating all costs and benefit assessments that will be incurred with said vacation; and

Whereas, That as provided by Section 62.73, Wisconsin Statutes, a lis pendens must be filed with the Milwaukee County Register of Deeds; and

Whereas, Said vacation has been reviewed in accordance with Section 308-28, Milwaukee Code of Ordinances; now, therefore, be it

Resolved, By the Common Council of the City of Milwaukee, that said right-of-way as

indicated by Exhibit A and bound and described by:

That part of East Thomas Avenue in the Southwest 1/4 of Section 15, Township 7 North, Range 22 East, described as follows: Commencing at the point of intersection of the west line of North Murray Avenue and the south line of East Thomas Avenue; thence Westerly, along said south line, to its point of intersection with the east line of North Cramer Street; thence Northerly, along the northerly extension of said east line, to a point lying 5.50 feet north of, as measured normal to, said south line; thence Easterly, parallel to said south line, to a point in the northerly extension of the west line of North Murray Avenue; thence Southerly, along said northerly extension, to the point of commencement, is vacated; and, be it

Further Resolved, That a notice of pendency of said vacation has been recorded at the Milwaukee County Register of Deeds and the Commissioner of the Department of City Development may request a release of the lis pendens without Common Council action if said vacation is not approved; and, be it

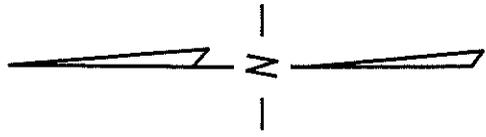
Further Resolved, That the Commissioner of Public Works and/or the City Engineer are authorized to implement the actions listed in the coordinated report relating to said vacation and when a money deposit is required, it must be deposited prior to implementing said actions; and, be it

Further Resolved, That as provided by Section 62.73, Wisconsin Statutes, said vacation shall not terminate the easements and rights incidental thereto acquired by or belonging to any county, town, village or city, or to any utility or person in any underground structures, improvements or services, as enumerated or otherwise existing in said description of land above described, both easements and rights and all rights of entrance, maintenance, construction and repair with reference thereto shall continue as if said right-of-way had not been vacated.

Drafter

DCD:EAR:ear

03/01/12



St.

(72' R.O.W.)

N. Cramer

S.W. 1/4 SEC. 15, T.7N., R.22E.

319

E. Thomas

(80' R.O.W.)

Ave.

5.50

5.50

40	18	127	127	40
=	17			=
=	16			=
=	15	MURRAY'S	ADDITION	=
=	14	210		=
=	13	(CITY OF MILWAUKEE)		=
	12			
40	11			40
30	10	127	127	30

Ave.

(72' R.O.W.)

N. Murray

50

E. North

SEC. LINE

Ave.

(90' R.O.W.)

50



PORTION OF PUBLIC STREET PROPOSED TO BE VACATED

EXHIBIT "A"

FILE NO. 111392

INFRASTRUCTURE SERVICES DIVISION

MILWAUKEE, WISCONSIN

ASSIGNED TO: W.E. FUCHS

CH'K'D. BY: W.E. FUCHS

DRAWN BY: W.E.F.

DATE: FEB. 24, 2012

PROJECT/GRANT NO.: WK52337310

SCALE: 1" = 50'

APPROVED BY:

Marcia Cornell

CENTRAL DRAFTING & RECORDS MANAGER

CITY ENGINEER

March 1, 2012

To the Honorable Members of the
Public Works Committee
City of Milwaukee

Dear Committee Members:

File No. 111392 vacates the southerly portion of East Thomas Avenue between North Cramer Street and North Murray Avenue, in the 3rd Aldermanic District. This vacation was requested by the Milwaukee Department of City Development for the redevelopment of the East Library parcel.

The Department of Public Works Coordinated Report contains no stated objections to the proposed vacation. The Commissioner of Public Works will waive the benefit assessment since this is a City-initiated vacation.

Since the proposed vacation is not in conflict with City plans, the City Plan Commission at its regular meeting on February 27, 2012, recommended approval of the file, conditioned upon the obtainment of the coordinated report from the Department of Public Works.

Sincerely,

Rocky Marcoux
Executive Secretary
City Plan Commission of Milwaukee

cc: Ald. Nik Kovac



Legislation Details (With Text)

File #: 111361 **Version:** 1

Type: Resolution **Status:** In Committee

File created: 2/7/2012 **In control:** PUBLIC WORKS COMMITTEE

On agenda: **Final action:**

Effective date:

Title: Substitute resolution relating to application, acceptance and funding of a USDA Forest Service Great Lakes Restoration Initiative Grant (Department of Public Works) "Restoring Milwaukee's Tree Canopy on Residential Property in Response to Emerald Ash Borer."

Sponsors: THE CHAIR

Indexes: FEDERAL GRANTS, TREES

Attachments: Proposed Substitute A, Operating Grant Budget, Grant Analysis Form, Hearing Notice List

Date	Ver.	Action By	Action	Result	Tally
2/7/2012	0	COMMON COUNCIL	ASSIGNED TO		
2/15/2012	0	PUBLIC WORKS COMMITTEE	HELD TO CALL OF THE CHAIR	Pass	5:0
3/2/2012	1	PUBLIC WORKS COMMITTEE	HEARING NOTICES SENT		

Number
111361

Version
SUBSTITUTE 1
Reference

Sponsor
THE CHAIR
Title

Substitute resolution relating to application, acceptance and funding of a USDA Forest Service Great Lakes Restoration Initiative Grant (Department of Public Works) "Restoring Milwaukee's Tree Canopy on Residential Property in Response to Emerald Ash Borer."

Analysis

This resolution authorizes the Department of Public Works - Operations (Forestry Section) to apply for, accept and fund a USDA Forest Service Great Lakes Restoration Initiative Grant "Restoring Milwaukee's Tree Canopy on Residential Property in Response to Emerald Ash Borer (EAB)." This grant aims to demonstrate the importance of Milwaukee's tree canopy through targeted assistance to mitigate the threat of EAB and lead residents to take action to treat or remove and replace ash trees in advance of disease. The total project cost is \$272,821, of which 100% will be provided by the grantor with no cost-share from the City required. The program will include the following components:

1. Provide targeted financial assistance to Milwaukee homeowner-occupied residents for eligible EAB treatment alternatives to preserve and restore Milwaukee's tree canopy on residential property:

- a. Ash tree chemical injection
- b. Ash tree removal and replacement
2. Target financial assistance based on eligibility criteria:
 - a. Full-cost assistance for residence within the Neighborhood Strategic Program (NSP) area
 - b. 70% cost-assistance for residence outside the Neighborhood Strategic Program (NSP) area up to a maximum of \$140 for ash tree chemical injection and \$1,000 for ash tree removal and tree replacement
3. Maintain ecological services provided by Milwaukee's tree canopy to protect the health and function of Lake Michigan and area rivers.

Body

Whereas, The City of Milwaukee appears to be eligible for a Great Lakes Restoration Initiative Grant from the USDA Forest; and

Whereas, The Department of Public Works-Operations Division (Forestry Section) would use this grant to preserve and restore Milwaukee's tree canopy on residential property; and

Whereas, This project would include the following components:

1. Provide targeted financial assistance to Milwaukee homeowner-occupied residents for eligible EAB treatment alternatives to preserve and restore Milwaukee's tree canopy on residential property:
 - a. Ash tree chemical injection
 - b. Ash tree removal and replacement
2. Target financial assistance based on eligibility criteria:
 - a. Full-cost assistance for residence within the Neighborhood Strategic Program (NSP) area
 - b. 70% cost-assistance for residence outside the Neighborhood Strategic Program (NSP) area up to a maximum of \$140 for ash tree chemical injection and \$1,000 for ash tree removal and tree replacement
3. Maintain ecological services provided by Milwaukee's tree canopy to protect the health and function of Lake Michigan and area rivers.

; and

Whereas, "Restoring Milwaukee's Tree Canopy on Residential Property in Response to EAB" will cost \$272,821, of which 100% will be provided by the grantor with no cost-share required by the City; now, therefore, be it

Resolved, By the Common Council of the City of Milwaukee, that the Department of Public Works is authorized to apply, accept and fund "Restoring Milwaukee's Tree Canopy on Residential Property in Response to EAB" in the amount of \$272,821 from the USDA Forest Service without further Common Council approval, unless the terms of the grant change in a manner described in s. 304-81 of the Milwaukee Code of Ordinances; and, be it

Further Resolved, That the City Comptroller is authorized to:

1. Encumber in the parent accounts of the 2012 Special Revenue Accounts-Grant and Aid Projects

the following amounts for the project titled Urban Forestry Grant:

Project/Grant	GR0001200000
Fund	0150
Org	9990
Program	0001
Budget Year	0000
Sub Class	R999
Account	000600
Project	Grantor Share
Amount	\$272,821

2. Create a Special Revenue Fund-Grant and Aid Projects and the necessary expenditure and revenue accounts, appropriate to these accounts the amounts required under the Grant Agreement, and transfer the corresponding offsetting estimated revenue.

3. Establish the necessary Grant and Aid performance sub-measures.
; and, be it

Further Resolved, That these funds are appropriated to the Department of Public Works-Operations Division (Forestry Section), which is authorized to:

1. Make expenditures from these funds for specified purposes as indicated in the program budget, a copy of which is attached to this file.
2. Transfer funds within the project budget as long as the amount expended for each specific purpose does not exceed the amount authorized by the budget by 10% or more.
3. Enter into subcontracts and leases to the extent detailed in the project budget.

Requestor
Department of Public Works-Operations Division
2/10/12

..Number
111361

..Version
SUBSTITUTE A
..Reference

..Sponsor
CHAIR

..Title
Substitute resolution relating to application, acceptance and funding of a USDA Forest Service Great Lakes Restoration Initiative Grant (Department of Public Works)
“Restoring Milwaukee’s Tree Canopy on Residential Property in Response to Emerald Ash Borer.”

..Analysis
This resolution authorizes the Department of Public Works – Operations (Forestry Section) to apply for, accept and fund a USDA Forest Service Great Lakes Restoration Initiative Grant “Restoring Milwaukee’s Tree Canopy on Residential Property in Response to Emerald Ash Borer (EAB).” This grant aims to demonstrate the importance of Milwaukee’s tree canopy through targeted assistance to mitigate the threat of EAB and lead residents to take action to treat or remove and replace ash trees in advance of disease. The total project cost is \$272,821, of which 100% will be provided by the grantor with no cost-share from the City required. The program will include the following components:

1. Provide targeted financial assistance to Milwaukee homeowner-occupied residents with confirmed ash tree on their property
 - a. Maximum 70% cost assistance provided up to established limits
 - b. Minimum 30% homeowner cost-share required based on actual costs
2. Residents who meet federally-established low income criteria will be eligible to receive full-cost assistance by leveraging existing grant funds to cover the required minimum 30% homeowner cost-share
3. Maximum cost assistance available for two eligible EAB treatment alternatives:
 - a. Ash tree removal and tree replacement – up to \$1,000 limit
 - b. Ash tree chemical injection – up to \$140 limit
4. Maintain ecological services provided by Milwaukee’s tree canopy to protect the health and function of Lake Michigan and area rivers

..Body
Whereas, The City of Milwaukee appears to be eligible for a Great Lakes Restoration Initiative Grant from the USDA Forest; and

Whereas, The Department of Public Works-Operations Division (Forestry Section) would use this grant to preserve and restore Milwaukee’s tree canopy on residential property; and

Whereas, This project would include the following components:

1. Provide targeted financial assistance to Milwaukee homeowner-occupied residents with confirmed ash tree on their property
 - a. Maximum 70% cost assistance provided up to established limits
 - b. Minimum 30% homeowner cost-share required based on actual costs
2. Residents who meet federally-established low income criteria will be eligible to receive full-cost assistance by leveraging existing grant funds to cover the required minimum 30% homeowner cost-share
3. Maximum cost assistance available for two eligible EAB treatment alternatives:
 - a. Ash tree removal and tree replacement – up to \$1,000 limit
 - b. Ash tree chemical injection – up to \$140 limit
4. Maintain ecological services provided by Milwaukee’s tree canopy to protect the health and function of Lake Michigan and area rivers

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Resolved, By the Common Council of the City of Milwaukee, that the Department of Public Works is authorized to apply, accept and fund “Restoring Milwaukee’s Tree Canopy on Residential Property in Response to EAB” in the amount of \$272,821 from the USDA Forest Service without further Common Council approval, unless the terms of the grant change in a manner described in s. 304-81 of the Milwaukee Code of Ordinances; and, be it

Further Resolved, That the City Comptroller is authorized to:

1. Encumber in the parent accounts of the 2012 Special Revenue Accounts-Grant and Aid Projects the following amounts for the project titled Urban Forestry Grant:

Project/Grant	GR0001200000
Fund	0150
Org	9990
Program	0001
Budget Year	0000
Sub Class	R999
Account	000600
Project	Grantor Share
Amount	\$272,821

2. Create a Special Revenue Fund-Grant and Aid Projects and the necessary expenditure and revenue accounts, appropriate to these accounts the amounts required under the Grant Agreement, and transfer the corresponding offsetting estimated revenue.

3. Establish the necessary Grant and Aid performance sub-measures.

; and, be it

Further Resolved, That these funds are appropriated to the Department of Public Works-Operations Division (Forestry Section), which is authorized to:

1. Make expenditures from these funds for specified purposes as indicated in the program budget, a copy of which is attached to this file.

2. Transfer funds within the project budget as long as the amount expended for each specific purpose does not exceed the amount authorized by the budget by 10% or more.

3. Enter into subcontracts and leases to the extent detailed in the project budget.

..Requestor

Department of Public Works-Operations Division

3/1/12

CITY OF MILWAUKEE OPERATING GRANT BUDGET

NOTE: The highlighted cells include formulas to automatically total dollar amounts. If you insert additional rows, you may need to copy the formulas into the inserted rows.
 Make sure to check the formulas to ensure they are calculating the numbers correctly.

PROJECT/PROGRAM

TITLE: Restoring Milwaukee's Tree Canopy on Residential Property in Response to EAB

PROJECT/PROGRAM YEAR: 2012

CONTACT PERSON: Kimberly Kujoth x5453

NUMBER OF POSITIONS		LINE DESCRIPTION	PAY RANGE/ UNITS	GRANTOR SHARE	IN-KIND SHARE	CASH MATCH A/C #	TOTAL
NEW	EXISTING						
		TOTAL PERSONNEL COSTS					
		FRINGE BENEFITS					
		TOTAL FRINGE BENEFITS					
		OPERATING EXPENDITURES					
		Chemical Ash Tree Injections		\$20,000			\$20,000
		Ash Tree Removals & Replacements		\$240,000			\$240,000
		Resident Outreach		\$12,821			\$12,821
		TOTAL OPERATING EXPENDITURES		\$272,821			\$272,821
		EQUIPMENT					
		TOTAL EQUIPMENT					
		INDIRECT COSTS					
		TOTAL INDIRECT COSTS					
		TOTAL COSTS		\$272,821			\$272,821

GRANT ANALYSIS FORM

OPERATING & CAPITAL GRANT PROJECTS/PROGRAMS

Department/Division: Department of Public Works – Operations Division, Forestry

Contact Person & Phone No: Kimberly Kujoth x5453

Category of Request

New Grant

Grant Continuation

Change in Previously Approved Grant

Previous Council File No. _____

Previous Council File No. _____

Project/Program Title: Great Lakes Restoration Initiative – Restoring Milwaukee’s Tree Canopy on Residential Property in Response to Emerald Ash Borer

Grantor Agency: USDA Forest Service

Grant Application Date: _____

Anticipated Award Date: _____

1. Description of Grant Project/Program (Include Target Locations and Populations):

Restoring Milwaukee’s Tree Canopy on Residential Property in Response to EAB will assist homeowners mitigate the risk of Emerald Ash Borer (EAB) through a demonstration of targeted financial assistance for ash tree chemical injections or ash tree removals and replacements. The goal of the project is to lead residents to take appropriate action to either treat or remove and replace ash trees in advance of disease. These actions will reduce risk associated with EAB killed trees and save millions of dollars in ecological services that directly benefit the health and quality of Lake Michigan and Milwaukee’s waterways in reduced stormwater runoff and nonpoint pollution.

2. Relationship to City-Wide Strategic Goals and Departmental Objectives:

Restoring Milwaukee’s Tree Canopy on Residential Property in Response to EAB supports the goal of urban forest preservation and restoration through increased tree canopy. Milwaukee’s current tree canopy coverage is 21.6% and is comprised of trees on both public and private property. Based on the experience of Dutch Elm disease where the loss of tree canopy has yet to be fully replaced, the greatest threat of lost tree canopy from EAB is on private property. Overall, the City’s goal is to increase tree canopy coverage to 40% and planting trees on private property to replace ash trees will prevent further tree canopy loss. In addition, the targeted financial assistance will aid residents who would otherwise have to incur the full cost of ash tree removals as they become infested with EAB.

3. Need for Grant Funds and Impact on Other Departmental Operations (Applies only to Programs):

NA

4. Results Measurement/Progress Report (Applies only to Programs):

NA

5. Grant Period, Timetable and Program Phase-Out Plan:

Targeted completion October 31, 2012.

6. Provide a list of Subgrantees:

NA

7. If Possible, complete Grant Budget Form and attach to back.
Attached



Legislation Details (With Text)

File #: 111507 **Version:** 0

Type: Resolution **Status:** In Committee

File created: 2/28/2012 **In control:** PUBLIC WORKS COMMITTEE

On agenda: **Final action:**

Effective date:

Title: Resolution directing the Commissioner of Public Works to execute project agreements titled "State Municipal Agreement for a Highway Improvement Project" with the Wisconsin Department of Transportation for the programming, design and construction of various paving projects with 80 percent Federal and State aid under the Surface Transportation Program, and to set up funds for design engineering at a total estimated cost of \$1,661,000 and an estimated City of Milwaukee share of \$332,200, and a grantor share of \$1,328,800.

Sponsors: ALD. BOHL

Indexes: AGREEMENTS, STREET IMPROVEMENTS, WISCONSIN DEPARTMENT OF TRANSPORTATION

Attachments: Teutonia Avenue Agreement, Wisconsin Avenue Agreement, S 13th Street Agreement, N 92nd Street Agreement, Comptroller's Certificate, Hearing Notice List

Date	Ver.	Action By	Action	Result	Tally
2/28/2012	0	COMMON COUNCIL	ASSIGNED TO		
3/2/2012	0	PUBLIC WORKS COMMITTEE	HEARING NOTICES SENT		

Number
111507
Version
ORIGINAL
Reference
Sponsor
ALD. BOHL
Title

Resolution directing the Commissioner of Public Works to execute project agreements titled "State Municipal Agreement for a Highway Improvement Project" with the Wisconsin Department of Transportation for the programming, design and construction of various paving projects with 80 percent Federal and State aid under the Surface Transportation Program, and to set up funds for design engineering at a total estimated cost of \$1,661,000 and an estimated City of Milwaukee share of \$332,200, and a grantor share of \$1,328,800.

Analysis

This resolution authorizes and directs the Commissioner of Public Works to execute project agreements with the Wisconsin Department of Transportation for the programming and design of four and construction of two local arterial streets with 80 percent Federal and or State aid under the Surface Transportation Program. This resolution also directs the City of Milwaukee's Comptroller to transfer funds and establish project grant chartfield values for the preliminary engineering for these projects. The estimated total cost of the projects is \$5,614,300, of which the city's share is \$1,162,860 and the grantor share is \$4,451,440. The estimated preliminary engineering cost for these projects is \$1,661,000, of which the City's share is \$332,200 and the grantor share is \$1,328,800. Construction funds for these projects will be included in future resolutions.

Body

Whereas, The project agreements have been requested and received from the Wisconsin Department of Transportation to be executed by the City of Milwaukee for the programming, design and construction of the following paving projects with Federal and or State aid under the Surface Transportation Program:

<u>Aldermanic District</u>	<u>Project</u>
12	State I.D. 2505-00-05 South 13 th Street - West Windlake Avenue to West Forest Home Avenue
1	State I.D. 2080-00-01 North Teutonia Avenue - West Capitol Drive to West Ruby Avenue
4	State I.D. 2190-00-00 West Wisconsin Avenue - North 35 th Street to North 20 th Street
5	State I.D. 2585-00-00 North 92 nd Street - West Capitol Drive to West Hampton Avenue

Whereas, The Department of Public Works shall notify the Common Council of the City of Milwaukee at the next scheduled meeting of any such project cost overruns and or changes in scope approved by the Department of Public Works; and

Whereas, The Common Council of the City of Milwaukee recognizes that the City may be 100 percent liable for any such project cost overruns and or changes in scope as approved by the Department of Public Works; and

Whereas, The Common Council of the City of Milwaukee recognizes that the City may be liable for any costs incurred by the State should the City decide to withdraw from the project; and

Whereas, Construction on these projects is currently scheduled in 2014 and 2015

; now, therefore, be it

Resolved, By the Common Council of the City of Milwaukee, that the Commissioner of Public Works is hereby directed to execute agreements for the programming, design and construction of the aforementioned projects with Federal and or State aid under the Surface Transportation Program, copies of which are attached to Common Council Resolution File Number 111507, and are incorporated in this resolution by reference as though set forth in full; and, be it

Further Resolved, That the Commissioner of Public Works is hereby directed to undertake or engage a consultant to undertake design engineering for the improvement of the aforementioned projects and to reimburse the Wisconsin Department of Transportation for design engineering costs they incur for the improvement; and, be it

Further Resolved, That the Commissioner of Public Works is hereby directed to enter into an agreement with the Wisconsin Department of Transportation pertaining to the cost participation for the installation and or modification of traffic control facilities in conjunction with the improvements of the aforementioned projects; and, be it

Further Resolved, That the Commissioner of Public Works is directed to install the traffic control facilities necessary in conjunction with the aforementioned projects, following the execution of the traffic control agreements, the cost of which will be included in future resolutions; and, be it

Further Resolved, That the City Comptroller is hereby authorized to create within the Capital Improvement Fund, Grant and Aid Projects, the necessary Project Grant Chartfield Values for design engineering for the projects (Expenditure) and transfer to any of these accounts the amount required under the grant agreement and City Accounting Policy but not to exceed a 10 percent increase of the total amounts reserved for the grantor's share and local share or \$5,000, whichever is greater, as follows:

Infrastructure Services Division

State I.D. 2505-00-05
South 13th Street - West Windlake Avenue to West Forest Home Avenue

City Share Non-Assessable Fund Paving
ST320120000
Fund 0333
\$36,000

Grantor Reimbursable Fund Paving
SP032120100
Fund 0306
\$126,720

Grantor Non-Reimbursable Cash Fund Paving
\$17,280

Estimated total engineering: \$180,000
Total engineering previously authorized: \$0-
Current estimated cost of total project including this resolution: \$1,797,300
Original estimated cost of total project: \$1,797,300

State I.D. 2080-00-01
North Teutonia Avenue - West Capitol Drive to West Ruby Avenue

City Share Non-Assessable Fund Paving
ST320120000
Fund 0333
\$67,000

Grantor Reimbursable Fund Paving
SP032120100

Fund 0306
\$235,840

Grantor Non-Reimbursable Cash Fund Paving
\$32,160

Estimated total engineering: \$335,000
Total engineering previously authorized: \$-0-
Current estimated cost of the total project including this resolution: \$2,671,000
Original estimated cost of total project: \$2,671,000

State I.D. 2585-00-00
North 92nd Street - West Capitol Drive to West Hampton Avenue

City Share Non-Assessable Fund Paving
ST320120000
Fund 0333
\$115,000

Grantor Reimbursable Fund Paving
SP032120100
Fund 0306
\$404,800

Grantor Non-Reimbursable Cash Fund Paving
\$55,200

Estimated total engineering: \$575,000
Total engineering previously authorized: \$-0-
Current estimated cost of total project including this resolution: \$575,000
Original estimated cost of total project: \$575,000

State I.D. 2190-00-00
West Wisconsin Avenue - North 35th Street to North 20th Street

City Share Non-Assessable Fund Paving
ST320120000
Fund 0333
\$114,200

Grantor Reimbursable Fund Paving
SP032120100
Fund 0306
\$401,984

Grantor Non-Reimbursable Cash Fund Paving
\$54,816

Estimated total engineering: \$571,000
Total engineering previously authorized: \$-0-

Current estimated cost of total project including this resolution: \$571,000
Original estimated cost of total project: \$571,000

Totals

City Share Non-Assessable Fund Paving: \$332,200
Grantor Reimbursable Fund Paving: \$1,169,344
Grantor Non-Reimbursable Cash Fund Paving: \$159,456

Estimated Total: \$1,661,000

; and, be it

Further Resolved, That the City Engineer is hereby authorized and directed to approve and make periodic payments to the Wisconsin Department of Transportation upon receipt of invoices for the City's share of costs of the above projects.

Requestor
Department of Public Works
Drafter
Infrastructure Services Division
LCG:amh
February 14, 2012

(1) Reso Agreeem H-wy Iprovem Pject (Vars) 020812.rtf



**STATE/MUNICIPAL AGREEMENT
FOR A STATE- LET URBANIZED
AREA STP-URBAN PROJECT**

Program Name: STP-Urban
Population Group: Over 200,000
Sub-program #: 206

Date: January 24,2012
I.D.: 2080-00-01/71/91
Road Name: North Teutonia Avenue
Limits: W Capitol Drive to W Ruby
Ave County: Milwaukee
Roadway Length: 0.6 miles
Functional Classification: Minor Arterial
Project Sponsor: City of Milwaukee
Urbanized Area: Milwaukee

The signatory, City of Milwaukee, hereinafter called the Municipality, through its undersigned duly authorized officers or officials, hereby requests the State of Wisconsin Department of Transportation, hereinafter called the State, to initiate and effect the highway or street improvement hereinafter described.

The authority for the Municipality to enter into this agreement with the State is provided by Sections 86.25(1), (2), and (3) and Section 66.0301 of the Statutes.

NEEDS AND ESTIMATE SUMMARY:

All components of the project must be defined in the environmental document if any portion of the project is federally funded. The Municipality agrees to complete all participating and any non-participating work included in this improvement consistent with the environmental document. No work on final engineering and design may occur prior to approval of the environmental document.

Existing Facility - Describe and give reason for request: The existing facility consists of two 11 foot driving lanes with 7 foot parking lanes and curb and gutter in both directions. There is an existing sidewalk and a lighting system. The pavement, last surfaced in 1979, is in poor condition having cracks, rutting and patches. No known safety issues exist.

Proposed Improvement - Nature of work: **Pavement Replacement.** The new roadway will consist of two 11 foot lanes with a 7 foot parking lane. The sidewalk will be replaced and ADA compliant curb ramps with detectable field warnings will be used. Bicycle and pedestrian accommodations will be implemented consistent with Trans 75. LFA work will consist of upgrades to signals and signs. 12 inch lateral storm sewer lines will be replaced.

Describe non-participating work included in the project and other work necessary to completely finish the project that will be undertaken independently by the Municipality. Please note that non-participating components of a project/contract are considered part of the overall project and will be subject to applicable Federal requirements: Adjusting sanitary sewer manhole covers, placing new sanitary manhole covers, installing internal sanitary manhole seals, installing underground street lighting conduit.

The Municipality agrees to the following 2011-2014 Urbanized Area STP-Urban project funding conditions:

Project design, construction, and signals and signing costs are funded with 80% federal funding up to a maximum of \$2,116,800 for all federally-funded project phases when the municipality agrees to provide the remaining 20% and all funds in excess of the \$2,116,800 federal funding maximum, in accordance with the STP Urban program guidelines for projects in urbanized areas. Non-participating costs are 100% the responsibility of the municipality. Any work performed by the Municipality prior to federal authorization is not eligible for federal

funding. The Municipality will be notified by the State that the project is authorized and available for charging.

This project is currently scheduled in State Fiscal Year 2013. **In accordance with the State's sunset policy for Urbanized Area STP Urban projects, the subject 2011-2014 Urbanized Area STP-Urban improvement must be constructed and in final acceptance within six years from the start of State Fiscal Year 2012, or by June 30, 2017.** Extensions may be available upon approval of a written request by or on behalf of the Municipality to WisDOT. The written request shall explain the reasons for project implementation delay and revised timeline for project completion.

The dollar amounts shown in the Summary Funding Table below are federal maximum amounts unless explicitly identified otherwise. The final Municipal share is dependent on the final Federal participation, and actual costs will be used in the final division of cost for billing and reimbursement.

PHASE	SUMMARY OF COSTS				
	Total Est. Cost	Federal Funds	%	Municipal Funds	%
ID 2080-00-01					
Design	\$294,800	\$235,840	80% *	\$58,960	20% + BAL
State Review	\$40,200	\$32,160	80% *	\$8,040	20% + BAL
ID 2080-00-71					
Participating Construction	\$1,850,280	\$1,480,224	80% *	\$370,056	20% + BAL
Non-Participating Construction	\$25,000	\$0	0%	\$25,000	100%
State Review	\$255,720	\$204,576	80% *	\$51,144	20% + BAL
ID 2080-00-91					
Signals and Signs	\$174,250	\$139,400	80% *	\$34,850	20% + BAL
State Review	\$30,750	\$24,600	80% *	\$6,150	20% + BAL
Total Est. Cost Distribution	\$2,671,000	\$2,116,800	N/A	\$554,200	N/A

*The percentage of project costs covered by federal funding at approval, 80%, is based on TIP Committee Action. Due to the federal funding cap, which is \$2,116,800 for all federally-funded project phases, this percentage may change over the life of the project.

**If project costs exceed this estimate, this project agreement may be revised and additional City of Milwaukee STP-M entitlements may be used provided a positive 2011-2014 allocation balance is maintained.

This request is subject to the terms and conditions that follow (pages 3 – 7) and is made by the undersigned under proper authority to make such request for the designated Municipality and upon signature by the State and delivery to the Municipality shall constitute agreement between the Municipality and the State. No term or provision of neither the State/Municipal Agreement nor any of its attachments may be changed, waived or terminated orally but only by an instrument in writing executed by both parties to the State/Municipal Agreement.

Signed for and in behalf of: **City of Milwaukee** (please sign in blue ink.)

X _____
Name Title Date

X _____
Name Title Date

Signed for and in behalf of the State:

X _____
Name Title Date

GENERAL TERMS AND CONDITIONS:

1. All projects must be in an approved Transportation Improvement Program (TIP) or State Transportation Improvement Program (STIP) prior to requesting authorization.
2. Work prior to federal authorization is ineligible for federal funding.
3. The Municipality, throughout the entire project, commits to comply with and promote all applicable federal and state laws and regulations that include, but are not limited to, the following:
 - a. Environmental requirements, including but not limited to those set forth in the 23 U.S.C. 139 and National Environmental Policy Act (42 U.S.C. 4321 et seq.)
 - b. Equal protection guaranteed under the U.S. Constitution, WI Constitution, Title VI of the Civil Rights Act and Wis. Stat. 16.765. The municipality agrees to comply with and promote applicable Federal and State laws, Executive Orders, regulations, and implementing requirements intended to provide for the fair and equitable treatment of individuals and the fair and equitable delivery of services to the public. In addition the Municipality agrees not to engage in any illegal discrimination in violation of applicable Federal or State laws and regulations. This includes but is not limited to Title VI of the Civil Rights Act of 1964 which provides that “no person in the United States shall, on the ground of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance.” The Municipality agrees that public funds, which are collected in a nondiscriminatory manner, should not be used in ways that subsidize, promote, or perpetuate illegal discrimination based on prohibited factors such as race, color, national origin, sex, age, physical or mental disability, sexual orientation, or retaliation.
 - c. Prevailing wage requirements, including but not limited to 23 U.S.C 113 and Wis. Stat. 103.50.
 - d. Buy America Provision and its equivalent state statutes, set forth in 23 U.S.C. 313 and Wis. Stat. 16.754.
 - e. Competitive bidding requirements set forth in 23 U.S.C 112 and Wis. Stat. 84.06.
 - f. All DBE requirements that the State specifies.
 - g. Federal Statutes that govern the Surface Transportation Program, including but not limited to 23 U.S.C. 133.
 - h. General requirements for administering federal and state aid set forth in Wis. Stat. 84.03.

STATE RESPONSIBILITIES AND REQUIREMENTS:

4. Funding of each project phase is subject to inclusion in Wisconsin’s approved 2011-2014 Urbanized Area STP-Urban program. Federal funding will be limited to participation in the costs of the following items, as applicable to the project:
 - a. The grading, base, pavement, and curb and gutter, sidewalk, and replacement of disturbed driveways in kind.
 - b. The substructure, superstructure, grading, base, pavement, and other related bridge and approach items.
 - c. Storm sewer mains necessary for the surface water drainage.
 - d. Catch basins and inlets for surface water drainage of the improvement, with connections to the storm sewer main.
 - e. Construction engineering incident to inspection and supervision of actual construction work (except for inspection, staking, and testing of sanitary sewer and water main).

- f. Signing and pavement marking.
 - g. New installations or alteration of street lighting and traffic signals or devices.
 - h. Landscaping.
 - i. Preliminary Engineering and design.
 - j. Management Consultant and State Review Services.
5. The work will be administered by the State and may include items not eligible for Federal participation.
6. As the work progresses, the State will bill the Municipality for work completed which is not chargeable to Federal funds. Upon completion of the project, a final audit will be made to determine the final division of costs. If reviews or audits show any of the work to be ineligible for Federal funding, the Municipality will be responsible for any withdrawn costs associated with the ineligible work.

MUNICIPAL RESPONSIBILITIES AND REQUIREMENTS:

7. Work necessary to complete the 2011-2014 Urbanized Area STP-Urban improvement project to be financed entirely by the Municipality or other utility or facility owner includes the items listed below.
- a. New installations of or alteration of sanitary sewers and connections, water, gas, electric, telephone, telegraph, fire or police alarm facilities, parking meters, and similar utilities.
 - b. Damages to abutting property after project completion due to change in street or sidewalk widths, grades or drainage.
 - c. Detour routes and haul roads. The municipality is responsible for determining the detour route.
 - d. Conditioning, if required and maintenance of detour routes.
 - e. Repair of damages to roads or streets caused by reason of their use in hauling materials incident to the improvement.
 - f. Work related to underground storage tanks and contaminated soils.
 - g. Street and bridge width in excess of standards, in accordance with the current WisDOT Facilities Development Manual (FDM).
 - h. Real estate for the improvement
8. The construction of the subject improvement will be in accordance with the appropriate standards unless an exception to standards is granted by WisDOT prior to construction. The entire cost of the construction project, not constructed to standards, will be the responsibility of the Municipality unless such exception is granted.
9. Work to be performed by the Municipality without Federal funding participation necessary to ensure a complete improvement acceptable to the Federal Highway Administration and/or the State may be done in a manner at the election of the Municipality but must be coordinated with all other work undertaken during construction.
10. The Municipality is responsible for financing administrative expenses related to Municipal project responsibilities.

11. The Municipality will include in all contracts executed by them a provision obligating the contractor not to discriminate against any employee or applicant for employment because of age, race, religion, color, handicap, sex, physical condition, developmental disability as defined in s. 51.01 (5), sexual orientation as defined in s. 111.32 (13m), or national origin.
12. The Municipality will pay to the State all costs incurred by the State in connection with the improvement that exceed Federal financing commitments or are ineligible for Federal financing. In order to guarantee the Municipality's foregoing agreements to pay the State, the Municipality, through its above duly authorized officers or officials, agrees and authorizes the State to set off and withhold the required reimbursement amount as determined by the State from any moneys otherwise due and payable by the State to the Municipality.
13. **In accordance with the State's sunset policy for Urbanized Area STP-Urban projects, the subject 2011-2014 Urbanized Area STP-Urban improvement must be constructed and in final acceptance within six years from the start of State Fiscal Year 2012, or by June 30, 2017.** Extensions may be available upon approval of a written request by or on behalf of the Municipality to WisDOT. The written request shall explain the reasons for project implementation delay and revised timeline for project completion.
14. If the Municipality should withdraw the project, it will reimburse the State for any costs incurred by the State on behalf of the project.
15. The Municipality will at its own cost and expense:
 - a. Maintain all portions of the project that lie within its jurisdiction (to include, but not limited to, cleaning storm sewers, removing debris from sumps or inlets, and regular maintenance of the catch basins, curb and gutter, sidewalks and parking lanes [including snow and ice removal]) for such maintenance through statutory requirements in a manner satisfactory to the State, and will make ample provision for such maintenance each year.
 - b. Regulate [or prohibit] parking at all times in the vicinity of the proposed improvements during their construction.
 - c. Regulate [or prohibit] all parking at locations where and when the pavement area usually occupied by parked vehicles will be needed to carry active traffic in the street.
 - d. Assume general responsibility for all public information and public relations for the project and to make fitting announcement to the press and such outlets as would generally alert the affected property owners and the community of the nature, extent, and timing of the project and arrangements for handling traffic within and around the projects.
 - e. Provide complete plans, specifications, and estimates.
 - f. Provide relocation orders and real estate plats.
 - g. Use the *WisDOT Utility Accommodation Policy* unless it adopts a policy, which has equal or more restrictive controls.
 - h. Provide maintenance and energy for lighting.
 - i. Provide proper care and maintenance of all landscaping elements of the project including replacement of any plant materials damaged by disease, drought, vandalism or other cause.
16. It is further agreed by the Municipality that:
 - a. The Municipality assumes full responsibility for the design, installation, testing and operation of any sanitary sewer and water main infrastructure within the improvement project and relieves the state and all of its employees from liability for all suits, actions, or claims resulting from the sanitary sewer and water main construction under this agreement.

- b. The Municipality assumes full responsibility for the plans and special provisions provided by their designer or anyone hired, contracted or otherwise engaged by the Municipality. The Municipality is responsible for any expense or cost resulting from any error or omission in such plans or special provisions. The Municipality will reimburse WisDOT if WisDOT incurs any cost or expense in order to correct or otherwise remedy such error or omission or consequences of such error or omission.
- c. The Municipality will be 100% responsible for all costs associated with utility issues involving the Contractor, including costs related to utility delays.
- d. All signs and traffic control devices and other protective structures erected on or in connection with the project including such of these as are installed at the sole cost and expense of the Municipality or by others, will be in conformity with such "Manual of Uniform Traffic Control Devices" as may be adopted by the American Association of State Highway and Transportation Officials, approved by the State, and concurred in by the Federal Highway Administration.
- e. The right-of-way available or provided for the project will be held and maintained inviolate for public highway or street purposes. Those signs prohibited under Federal aid highway regulations, posters, billboards, roadside stands, or other private installations prohibited by Federal or State highway regulations will not be permitted within the right-of-way limits of the project. The municipality, within its jurisdictional limits, will remove or cause to be removed from the right-of-way of the project all private installations of whatever nature which may be or cause an obstruction or interfere with the free flow of traffic, or which may be or cause a hazard to traffic, or which impair the usefulness of the project and all other encroachments which may be required to be removed by the State at its own election or at the request of the Federal Highway Administration, and that no such installations will be permitted to be erected or maintained in the future.

LEGAL RELATIONSHIPS:

- 17. The State shall not be liable to the Municipality for damages or delays resulting from work by third parties. The State also shall be exempt from liability to the Municipality for damages or delays resulting from injunctions or other restraining orders obtained by third parties.
- 18. The State will not be liable to any third party for injuries or damages resulting from work under or for the Project. The Municipality and the Municipality's surety shall indemnify and save harmless the State, its officers and employees, from all suits, actions or claims of any character brought because of any injuries or damages received or sustained by any person, persons or property on account of the operations of the Municipality and its sureties; or on account of or in consequence of any neglect in safeguarding the work; or because of any act or omission, neglect or misconduct of the Municipality or its sureties; or because of any claims or amounts recovered for any infringement by the Municipality and its sureties of patent, trademark or copyright; or from any claims or amounts arising or recovered under the Worker's Compensation Act, relating to the employees of the Municipality and its sureties; or any other law, ordinance, order or decree relating to the Municipality's operations.
- 19. Contract Modification: This State/Municipal Agreement can only modified by written instruments duly executed by both parties. No term or provision of neither this State/Municipal Agreement nor any of its attachments may be changed, waived or terminated orally.
- 20. Binding Effects: All terms of this State/Municipal Agreement shall be binding upon and inure to the benefits of the legal representatives, successors and executors. No rights under this State/Municipal Agreement may be transferred to a third party. This State/Municipal Agreement creates no third- party enforcement rights.
- 21. Choice of Law and Forum: This State/Municipal Agreement shall be interpreted and enforced in accordance with the laws of the State of Wisconsin. The Parties hereby expressly agree that the terms contained herein and in any deed executed pursuant to this State/Municipal Agreement are enforceable by an action in the Circuit Court of Dane County, Wisconsin.

PROJECT FUNDING CONDITIONS

22. The Municipality agrees to the following 2011-2014 Urbanized Area STP-Urban project funding conditions:

- a. ID 2080-00-01: Design is funded with 80% federal funding, when the municipality agrees to provide the remaining 20%. This portion of the project is subject to the cumulative project federal funding cap (see sub-item d). This phase includes Plan Development, Management Consultant Review, and State Review. The work includes project review, approval of required reports and documents and processing the final PS&E document for award of the contract. Costs for this phase include an estimated amount for state review activities, to be funded 80% with federal funding and 20% by the Municipality.
- b. ID 2080-00-71: Construction:
 - i. Costs for North Teutonia Avenue construction are funded with 80% federal funding when the municipality agrees to provide the remaining 20%. This portion of the project is subject to the cumulative project federal funding cap (see sub-item d).
 - ii. Non-participating Costs for adjusting sanitary sewer manhole covers, placing new sanitary manhole covers, installing internal sanitary manhole seals, installing underground street lighting conduit are funded 100% by the Municipality. Costs include construction delivery.
 - iii. Costs for this phase include an estimated amount for state review activities, to be funded 80% with federal funding and 20% by the Municipality. This portion of the project is subject to the cumulative project federal funding cap (see sub-item d).
- c. ID 2080-00-91: Signals and Signing:
 - i. Costs for North Teutonia Avenue Signals and Signing are funded with 80% federal funding when the municipality agrees to provide the remaining 20%. This portion of the project is subject to the cumulative project federal funding cap (see sub-item d).
 - ii. Costs for this phase include an estimated amount for state review activities, to be funded 80% with federal funding and 20% by the Municipality. This portion of the project is subject to the cumulative project federal funding cap (see sub-item d).
- d. Project Cap: In accordance with STP-Urban program guidelines for projects in urbanized areas, State action and TIP Committee action, this project has a federal funding cap of **\$2,116,800**. This federal funding cap applies to all federally funded project phases.
- e. If project costs exceed this estimate, this project agreement may be revised and additional City of Milwaukee STP-M entitlements may be used provided a positive 2011-2014 allocation balance is maintained.

[End of Document]



**STATE/MUNICIPAL AGREEMENT
FOR A STATE- LET URBANIZED
AREA STP-URBAN PROJECT**

Program Name: STP-Urban
Population Group: Over 200,000
Sub-program #: 206

Date: January 24, 2012
I.D.: 2190-00-00
Road Name: West Wisconsin Avenue
Limits: N 35th Street – N 20th Street
County: Milwaukee
Roadway Length: 0.9 miles
Functional Classification: Minor Arterial
Project Sponsor: City of Milwaukee
Urbanized Area: Milwaukee

The signatory, City of Milwaukee, hereinafter called the Municipality, through its undersigned duly authorized officers or officials, hereby requests the State of Wisconsin Department of Transportation, hereinafter called the State, to initiate and effect the highway or street improvement hereinafter described.

The authority for the Municipality to enter into this agreement with the State is provided by Sections 86.25(1), (2), and (3) and Section 66.0301 of the Statutes.

NEEDS AND ESTIMATE SUMMARY:

All components of the project must be defined in the environmental document if any portion of the project is federally funded. The Municipality agrees to complete all participating and any non-participating work included in this improvement consistent with the environmental document. No work on final engineering and design may occur prior to approval of the environmental document.

Existing Facility - Describe and give reason for request: The 0.9 mile segment is a divided roadway with two 12 foot driving lanes and a parking lane with curb and gutter in each direction. Last surfaced in 1974, this pavement is experiencing transverse cracking, surface raveling and patching. There is an existing sidewalk, bicycle/pedestrian accommodations and a lighting system. There are no known safety issues or sub-standard alignments.

Proposed Improvement - Nature of work: Reconstruction. The reconstruction of 0.9 miles of West Wisconsin Avenue will create no additional lanes. There will be minimal grading work, replacement of curb and gutter, replacement of the sidewalk, bicycle and pedestrian accommodations, and ADA compliant curb ramps with detectable field warnings will be used consistent with Trans 75. Lateral storm sewer lines will be replaced.

Describe non-participating work included in the project and other work necessary to completely finish the project that will be undertaken independently by the Municipality. Please note that non-participating components of a project/contract are considered part of the overall project and will be subject to applicable Federal requirements: Adjustment of sanitary sewer manholes, placing new sanitary sewer manhole covers, installing internal sanitary manhole seals and installing underground street lighting conduit.

The Municipality agrees to the following 2011-2014 Urbanized Area STP-Urban project funding conditions:

Project design costs are funded with 80% federal funding up to a maximum of \$456,800 for all federally-funded project phases when the municipality agrees to provide the remaining 20% and all funds in excess of the \$456,800 federal funding maximum, in accordance with the STP Urban program guidelines for projects in urbanized areas. Non-participating costs are 100% the responsibility of the municipality. Any work performed by

the Municipality prior to federal authorization is not eligible for federal funding. The Municipality will be notified by the State that the project is authorized and available for charging.

This project is currently scheduled in State Fiscal Year 2013. **In accordance with the State's sunset policy for Urbanized Area STP Urban projects, the subject 2011-2014 Urbanized Area STP-Urban improvement design must be completed and in final acceptance within six years from the start of State Fiscal Year 2012, or by June 30, 2017.** Extensions may be available upon approval of a written request by or on behalf of the Municipality to WisDOT. The written request shall explain the reasons for project implementation delay and revised timeline for project completion.

The dollar amounts shown in the Summary Funding Table below are federal maximum amounts unless explicitly identified otherwise. The final Municipal share is dependent on the final Federal participation, and actual costs will be used in the final division of cost for billing and reimbursement.

PHASE	SUMMARY OF COSTS				
	Total Est. Cost	Federal Funds	%	Municipal Funds	%
ID 2190-00-00					
Design	\$502,480	\$401,984	80% *	\$100,496	20% + BAL
State Review	\$68,520	\$54,816	80% *	\$13,704	20% + BAL
Total Est. Cost Distribution	\$571,000	\$456,800	N/A	\$114,200	N/A

*The percentage of project costs covered by federal funding at approval, 80%, is based on TIP Committee Action. Due to the federal funding cap, which is \$456,800 for all federally-funded project phases, this percentage may change over the life of the project.

**If project costs exceed this estimate, this project agreement may be revised and additional City of Milwaukee STP-M entitlements may be used provided a positive 2011-2014 allocation balance is maintained.

This request is subject to the terms and conditions that follow (pages 3 – 7) and is made by the undersigned under proper authority to make such request for the designated Municipality and upon signature by the State and delivery to the Municipality shall constitute agreement between the Municipality and the State. No term or provision of neither the State/Municipal Agreement nor any of its attachments may be changed, waived or terminated orally but only by an instrument in writing executed by both parties to the State/Municipal Agreement.

Signed for and in behalf of: **City of Milwaukee** (please sign in blue ink.)

X _____
 Name Title Date

X _____
 Name Title Date

Signed for and in behalf of the State:

X _____
 Name Title Date

GENERAL TERMS AND CONDITIONS:

1. All projects must be in an approved Transportation Improvement Program (TIP) or State Transportation Improvement Program (STIP) prior to requesting authorization.
2. Work prior to federal authorization is ineligible for federal funding.
3. The Municipality, throughout the entire project, commits to comply with and promote all applicable federal and state laws and regulations that include, but are not limited to, the following:
 - a. Environmental requirements, including but not limited to those set forth in the 23 U.S.C. 139 and National Environmental Policy Act (42 U.S.C. 4321 et seq.)
 - b. Equal protection guaranteed under the U.S. Constitution, WI Constitution, Title VI of the Civil Rights Act and Wis. Stat. 16.765. The municipality agrees to comply with and promote applicable Federal and State laws, Executive Orders, regulations, and implementing requirements intended to provide for the fair and equitable treatment of individuals and the fair and equitable delivery of services to the public. In addition the Municipality agrees not to engage in any illegal discrimination in violation of applicable Federal or State laws and regulations. This includes but is not limited to Title VI of the Civil Rights Act of 1964 which provides that “no person in the United States shall, on the ground of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance.” The Municipality agrees that public funds, which are collected in a nondiscriminatory manner, should not be used in ways that subsidize, promote, or perpetuate illegal discrimination based on prohibited factors such as race, color, national origin, sex, age, physical or mental disability, sexual orientation, or retaliation.
 - c. Prevailing wage requirements, including but not limited to 23 U.S.C 113 and Wis. Stat. 103.50.
 - d. Buy America Provision and its equivalent state statutes, set forth in 23 U.S.C. 313 and Wis. Stat. 16.754.
 - e. Competitive bidding requirements set forth in 23 U.S.C 112 and Wis. Stat. 84.06.
 - f. All DBE requirements that the State specifies.
 - g. Federal Statutes that govern the Surface Transportation Program, including but not limited to 23 U.S.C. 133.
 - h. General requirements for administering federal and state aid set forth in Wis. Stat. 84.03.

STATE RESPONSIBILITIES AND REQUIREMENTS:

4. Funding of each project phase is subject to inclusion in Wisconsin’s approved 2011-2014 Urbanized Area STP-Urban program. Federal funding will be limited to participation in the costs of the following items, as applicable to the project:
 - a. The grading, base, pavement, and curb and gutter, sidewalk, and replacement of disturbed driveways in kind.
 - b. The substructure, superstructure, grading, base, pavement, and other related bridge and approach items.
 - c. Storm sewer mains necessary for the surface water drainage.
 - d. Catch basins and inlets for surface water drainage of the improvement, with connections to the storm sewer main.
 - e. Construction engineering incident to inspection and supervision of actual construction work (except for inspection, staking, and testing of sanitary sewer and water main).

- f. Signing and pavement marking.
 - g. New installations or alteration of street lighting and traffic signals or devices.
 - h. Landscaping.
 - i. Preliminary Engineering and design.
 - j. Management Consultant and State Review Services.
5. The work will be administered by the State and may include items not eligible for Federal participation.
6. As the work progresses, the State will bill the Municipality for work completed which is not chargeable to Federal funds. Upon completion of the project, a final audit will be made to determine the final division of costs. If reviews or audits show any of the work to be ineligible for Federal funding, the Municipality will be responsible for any withdrawn costs associated with the ineligible work.

MUNICIPAL RESPONSIBILITIES AND REQUIREMENTS:

7. Work necessary to complete the 2011-2014 Urbanized Area STP-Urban improvement project to be financed entirely by the Municipality or other utility or facility owner includes the items listed below. While federal funding is only currently available for design, the items listed below are illustrative of items that will be 100% locally funded should the project receive federal funding for construction.
- a. New installations of or alteration of sanitary sewers and connections, water, gas, electric, telephone, telegraph, fire or police alarm facilities, parking meters, and similar utilities.
 - b. Damages to abutting property after project completion due to change in street or sidewalk widths, grades or drainage.
 - c. Detour routes and haul roads. The municipality is responsible for determining the detour route.
 - d. Conditioning, if required and maintenance of detour routes.
 - e. Repair of damages to roads or streets caused by reason of their use in hauling materials incident to the improvement.
 - f. All work related to underground storage tanks and contaminated soils.
 - g. Street and bridge width in excess of standards, in accordance with the current WisDOT Facilities Development Manual (FDM).
 - h. Real estate for the improvement.
8. The construction of the subject improvement will be in accordance with the appropriate standards unless an exception to standards is granted by WisDOT prior to construction. The entire cost of the construction project, not constructed to standards, will be the responsibility of the Municipality unless such exception is granted.
9. Work to be performed by the Municipality without Federal funding participation necessary to ensure a complete improvement acceptable to the Federal Highway Administration and/or the State may be done in a manner at the election of the Municipality but must be coordinated with all other work undertaken during construction.

10. The Municipality is responsible for financing administrative expenses related to Municipal project responsibilities.
11. The Municipality will include in all contracts executed by them a provision obligating the contractor not to discriminate against any employee or applicant for employment because of age, race, religion, color, handicap, sex, physical condition, developmental disability as defined in s. 51.01 (5), sexual orientation as defined in s. 111.32 (13m), or national origin.
12. The Municipality will pay to the State all costs incurred by the State in connection with the improvement that exceed Federal financing commitments or are ineligible for Federal financing. In order to guarantee the Municipality's foregoing agreements to pay the State, the Municipality, through its above duly authorized officers or officials, agrees and authorizes the State to set off and withhold the required reimbursement amount as determined by the State from any moneys otherwise due and payable by the State to the Municipality.
13. **In accordance with the State's sunset policy for Urbanized Area STP-Urban projects, the subject 2011-2014 Urbanized Area STP-Urban improvement design must be completed and in final acceptance within six years from the start of State Fiscal Year 2012, or by June 30, 2017.** Extensions may be available upon approval of a written request by or on behalf of the Municipality to WisDOT. The written request shall explain the reasons for project implementation delay and revised timeline for project completion.
14. If the Municipality should withdraw the project, it will reimburse the State for any costs incurred by the State on behalf of the project.
15. The Municipality will at its own cost and expense:
 - a. Maintain all portions of the project that lie within its jurisdiction (to include, but not limited to, cleaning storm sewers, removing debris from sumps or inlets, and regular maintenance of the catch basins, curb and gutter, sidewalks and parking lanes [including snow and ice removal]) for such maintenance through statutory requirements in a manner satisfactory to the State, and will make ample provision for such maintenance each year.
 - b. Regulate [or prohibit] parking at all times in the vicinity of the proposed improvements during their construction.
 - c. Regulate [or prohibit] all parking at locations where and when the pavement area usually occupied by parked vehicles will be needed to carry active traffic in the street.
 - d. Assume general responsibility for all public information and public relations for the project and to make fitting announcement to the press and such outlets as would generally alert the affected property owners and the community of the nature, extent, and timing of the project and arrangements for handling traffic within and around the projects.
 - e. Provide relocation orders and real estate plats.
 - f. Use the *WisDOT Utility Accommodation Policy* unless it adopts a policy, which has equal or more restrictive controls.
 - g. Provide maintenance and energy for lighting.
 - h. Provide proper care and maintenance of all landscaping elements of the project including replacement of any plant materials damaged by disease, drought, vandalism or other cause.
16. It is further agreed by the Municipality that:
 - a. The Municipality assumes full responsibility for the design, installation, testing and operation of any sanitary sewer and water main infrastructure within the improvement project and relieves the state

and all of its employees from liability for all suits, actions, or claims resulting from the sanitary sewer and water main construction under this agreement.

- b. The Municipality assumes full responsibility for the plans and special provisions provided by their designer or anyone hired, contracted or otherwise engaged by the Municipality. The Municipality is responsible for any expense or cost resulting from any error or omission in such plans or special provisions. The Municipality will reimburse WisDOT if WisDOT incurs any cost or expense in order to correct or otherwise remedy such error or omission or consequences of such error or omission.
- c. The Municipality will be 100% responsible for all costs associated with utility issues involving the Contractor, including costs related to utility delays.
- d. All signs and traffic control devices and other protective structures erected on or in connection with the project including such of these as are installed at the sole cost and expense of the Municipality or by others, will be in conformity with such "Manual of Uniform Traffic Control Devices" as may be adopted by the American Association of State Highway and Transportation Officials, approved by the State, and concurred in by the Federal Highway Administration.
- e. The right-of-way available or provided for the project will be held and maintained inviolate for public highway or street purposes. Those signs prohibited under Federal aid highway regulations, posters, billboards, roadside stands, or other private installations prohibited by Federal or State highway regulations will not be permitted within the right-of-way limits of the project. The municipality, within its jurisdictional limits, will remove or cause to be removed from the right-of-way of the project all private installations of whatever nature which may be or cause an obstruction or interfere with the free flow of traffic, or which may be or cause a hazard to traffic, or which impair the usefulness of the project and all other encroachments which may be required to be removed by the State at its own election or at the request of the Federal Highway Administration, and that no such installations will be permitted to be erected or maintained in the future.

LEGAL RELATIONSHIPS:

- 17. The State shall not be liable to the Municipality for damages or delays resulting from work by third parties. The State also shall be exempt from liability to the Municipality for damages or delays resulting from injunctions or other restraining orders obtained by third parties.
- 18. The State will not be liable to any third party for injuries or damages resulting from work under or for the Project. The Municipality and the Municipality's surety shall indemnify and save harmless the State, its officers and employees, from all suits, actions or claims of any character brought because of any injuries or damages received or sustained by any person, persons or property on account of the operations of the Municipality and its sureties; or on account of or in consequence of any neglect in safeguarding the work; or because of any act or omission, neglect or misconduct of the Municipality or its sureties; or because of any claims or amounts recovered for any infringement by the Municipality and its sureties of patent, trademark or copyright; or from any claims or amounts arising or recovered under the Worker's Compensation Act, relating to the employees of the Municipality and its sureties; or any other law, ordinance, order or decree relating to the Municipality's operations.
- 19. Contract Modification: This State/Municipal Agreement can only modified by written instruments duly executed by both parties. No term or provision of neither this State/Municipal Agreement nor any of its attachments may be changed, waived or terminated orally.
- 20. Binding Effects: All terms of this State/Municipal Agreement shall be binding upon and inure to the benefits of the legal representatives, successors and executors. No rights under this State/Municipal Agreement may be transferred to a third party. This State/Municipal Agreement creates no third- party enforcement rights.
- 21. Choice of Law and Forum: This State/Municipal Agreement shall be interpreted and enforced in accordance with the laws of the State of Wisconsin. The Parties hereby expressly agree that the terms contained herein and in any deed executed pursuant to this State/Municipal Agreement are enforceable by an action in the Circuit Court of Dane County, Wisconsin.

PROJECT FUNDING CONDITIONS

22. The Municipality agrees to the following 2011-2014 Urbanized Area STP-Urban project funding conditions:

- a. ID 2190-00-00: Design is funded with 80% federal funding, when the municipality agrees to provide the remaining 20%. This portion of the project is subject to the cumulative project federal funding cap (see sub-item b). This phase includes Plan Development, Management Consultant Review, and State Review. The work includes project review, approval of required reports and documents and processing the final PS&E document for award of the contract. Costs for this phase include an estimated amount for state review activities, to be funded 80% with federal funding and 20% by the Municipality.
- b. Project Cap: In accordance with STP-Urban program guidelines for projects in urbanized areas, State action and TIP Committee action, this project has a federal funding cap of **\$456,800**. This federal funding cap applies to all federally funded project phases.
- c. If project costs exceed this estimate, this project agreement may be revised and additional City of Milwaukee STP-M entitlements may be used provided a positive 2011-2014 allocation balance is maintained.

[End of Document]



**STATE/MUNICIPAL AGREEMENT
FOR A STATE- LET URBANIZED
AREA STP-URBAN PROJECT**

Program Name: STP-Urban
Population Group: Over 200,000
Sub-program #: 206

Date: January 24, 2012

I.D.: 2505-00-05/75/95

Road Name: South 13th Street

Limits: W Windlake Ave to W Forest Home Ave

County: Milwaukee Roadway

Length: 0.5 miles Functional

Classification: Collector Project

Sponsor: City of Milwaukee

Urbanized Area: Milwaukee

The signatory, City of Milwaukee, hereinafter called the Municipality, through its undersigned duly authorized officers or officials, hereby requests the State of Wisconsin Department of Transportation, hereinafter called the State, to initiate and effect the highway or street improvement hereinafter described.

The authority for the Municipality to enter into this agreement with the State is provided by Sections 86.25(1), (2), and (3) and Section 66.0301 of the Statutes.

NEEDS AND ESTIMATE SUMMARY:

All components of the project must be defined in the environmental document if any portion of the project is federally funded. The Municipality agrees to complete all participating and any non-participating work included in this improvement consistent with the environmental document. No work on final engineering and design may occur prior to approval of the environmental document.

Existing Facility - Describe and give reason for request: The existing facility consists of two 12 foot lanes with 8 foot parking lanes and curb and gutter. There is an existing sidewalk and a lighting system. The pavement is in poor condition having rough riding quality and numerous irregularities including surface raveling, settlements, cracks, and patches. No known safety issues exist.

Proposed Improvement - Nature of work: Pavement Replacement. The new roadway will consist of two 12 foot lanes with an 8 foot parking lane. The sidewalk will be replaced and ADA compliant curb ramps with detectable field warnings will be used. Bicycle and pedestrian accommodations will be implemented consistent with Trans 75. LFA work will consist of upgrades to signals and signs. 12 inch lateral storm sewer lines will be replaced.

Describe non-participating work included in the project and other work necessary to completely finish the project that will be undertaken independently by the Municipality. Please note that non-participating components of a project/contract are considered part of the overall project and will be subject to applicable Federal requirements: Items to be 100% locally funded are adjustment of water gate valves, service boxes and manholes, adjusting sanitary sewer manhole covers, placing new sanitary manhole covers, installing internal sanitary manhole seals, and installing underground street lighting conduit.

The Municipality agrees to the following 2011-2014 Urbanized Area STP-Urban project funding conditions:

Project design, construction, and signal and signing costs are funded with 80% federal funding up to a maximum of \$1,417,840 for all federally-funded project phases when the municipality agrees to provide the remaining 20% and all funds in excess of the \$1,417,840 federal funding maximum, in accordance with the STP Urban program guidelines for projects in urbanized areas. Adjustment of water gate valves, service boxes and manholes, adjusting sanitary sewer manhole covers, placing new sanitary manhole covers, installing internal sanitary manhole seals, and installing underground street lighting conduit will be 100% locally funded. Non-participating costs are 100% the responsibility of the municipality. Any work performed by the Municipality prior

to federal authorization is not eligible for federal funding. The Municipality will be notified by the State that the project is authorized and available for charging.

This project is currently scheduled in State Fiscal Year 2013. **In accordance with the State's sunset policy for Urbanized Area STP Urban projects, the subject 2011-2014 Urbanized Area STP-Urban improvement must be constructed and in final acceptance within six years from the start of State Fiscal Year 2012, or by June 30, 2017.** Extensions may be available upon approval of a written request by or on behalf of the Municipality to WisDOT. The written request shall explain the reasons for project implementation delay and revised timeline for project completion.

The dollar amounts shown in the Summary Funding Table below are federal maximum amounts unless explicitly identified otherwise. The final Municipal share is dependent on the final Federal participation, and actual costs will be used in the final division of cost for billing and reimbursement.

PHASE	SUMMARY OF COSTS				
	Total Est. Cost	Federal Funds	%	Municipal Funds	%
ID 2505-00-05					
Design	\$158,400	\$126,720	80%*	\$31,680	20% + BAL
State Review	\$21,600	\$17,280	80%*	\$4,320	20% + BAL
ID 2505-00-75					
Participating Construction	\$1,141,264	\$913,011	80%*	\$228,253	20% + BAL
Non-Participating Construction	\$25,000	\$0	0%	\$25,000	100%
State Review	\$159,036	\$127,229	80%*	\$31,807	20% + BAL
ID 2505-00-95					
Signals and Signs	\$248,200	\$198,560	80%*	\$49,640	20% + BAL
State Review	\$43,800	\$35,040	80%*	\$8,760	20% + BAL
Total Est. Cost Distribution	\$1,797,300	\$1,417,840	N/A	\$379,460	N/A

*The percentage of project costs covered by federal funding at approval, 80%, is based on TIP Committee Action. Due to the federal funding cap, which is \$1,417,840 for all federally-funded project phases,

**If project costs exceed this estimate, this project agreement may be revised and additional City of Milwaukee STP-M entitlements may be sued provided a positive 2011-2014 allocation balance is maintained.

This request is subject to the terms and conditions that follow (pages 3 – 7) and is made by the undersigned under proper authority to make such request for the designated Municipality and upon signature by the State and delivery to the Municipality shall constitute agreement between the Municipality and the State. No term or provision of neither the State/Municipal Agreement nor any of its attachments may be changed, waived or terminated orally but only by an instrument in writing executed by both parties to the State/Municipal Agreement.

Signed for and in behalf of: City of Milwaukee (please sign in blue ink.)

X _____
 Name Title Date

X _____
 Name Title Date

Signed for and in behalf of the State:

X _____
 Name Title Date

GENERAL TERMS AND CONDITIONS:

1. All projects must be in an approved Transportation Improvement Program (TIP) or State Transportation Improvement Program (STIP) prior to requesting authorization.
2. Work prior to federal authorization is ineligible for federal funding.
3. The Municipality, throughout the entire project, commits to comply with and promote all applicable federal and state laws and regulations that include, but are not limited to, the following:
 - a. Environmental requirements, including but not limited to those set forth in the 23 U.S.C. 139 and National Environmental Policy Act (42 U.S.C. 4321 et seq.)
 - b. Equal protection guaranteed under the U.S. Constitution, WI Constitution, Title VI of the Civil Rights Act and Wis. Stat. 16.765. The municipality agrees to comply with and promote applicable Federal and State laws, Executive Orders, regulations, and implementing requirements intended to provide for the fair and equitable treatment of individuals and the fair and equitable delivery of services to the public. In addition the Municipality agrees not to engage in any illegal discrimination in violation of applicable Federal or State laws and regulations. This includes but is not limited to Title VI of the Civil Rights Act of 1964 which provides that “no person in the United States shall, on the ground of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance.” The Municipality agrees that public funds, which are collected in a nondiscriminatory manner, should not be used in ways that subsidize, promote, or perpetuate illegal discrimination based on prohibited factors such as race, color, national origin, sex, age, physical or mental disability, sexual orientation, or retaliation.
 - c. Prevailing wage requirements, including but not limited to 23 U.S.C 113 and Wis. Stat. 103.50.
 - d. Buy America Provision and its equivalent state statutes, set forth in 23 U.S.C. 313 and Wis. Stat. 16.754.
 - e. Competitive bidding requirements set forth in 23 U.S.C 112 and Wis. Stat. 84.06.
 - f. All DBE requirements that the State specifies.
 - g. Federal Statutes that govern the Surface Transportation Program, including but not limited to 23 U.S.C. 133.
 - h. General requirements for administering federal and state aid set forth in Wis. Stat. 84.03.

STATE RESPONSIBILITIES AND REQUIREMENTS:

4. Funding of each project phase is subject to inclusion in Wisconsin’s approved 2011-2014 Urbanized Area STP-Urban program. Federal funding will be limited to participation in the costs of the following items, as applicable to the project:
 - a. The grading, base, pavement, and curb and gutter, sidewalk, and replacement of disturbed driveways in kind.
 - b. The substructure, superstructure, grading, base, pavement, and other related bridge and approach items.
 - c. Storm sewer mains necessary for the surface water drainage.
 - d. Catch basins and inlets for surface water drainage of the improvement, with connections to the storm sewer main.
 - e. Construction engineering incident to inspection and supervision of actual construction work (except for inspection, staking, and testing of sanitary sewer and water main).

- f. Signing and pavement marking.
 - g. New installations or alteration of street lighting and traffic signals or devices.
 - h. Landscaping.
 - i. Preliminary Engineering and design.
 - j. Management Consultant and State Review Services.
5. The work will be administered by the State and may include items not eligible for Federal participation.
6. As the work progresses, the State will bill the Municipality for work completed which is not chargeable to Federal funds. Upon completion of the project, a final audit will be made to determine the final division of costs. If reviews or audits show any of the work to be ineligible for Federal funding, the Municipality will be responsible for any withdrawn costs associated with the ineligible work.

MUNICIPAL RESPONSIBILITIES AND REQUIREMENTS:

7. Work necessary to complete the 2011-2014 Urbanized Area STP-Urban improvement project to be financed entirely by the Municipality or other utility or facility owner includes the items listed below.
- a. New installations of or alteration of sanitary sewers and connections, water, gas, electric, telephone, telegraph, fire or police alarm facilities, parking meters, and similar utilities.
 - b. Damages to abutting property after project completion due to change in street or sidewalk widths, grades or drainage.
 - c. Detour routes and haul roads. The municipality is responsible for determining the detour route.
 - d. Conditioning, if required and maintenance of detour routes.
 - e. Repair of damages to roads or streets caused by reason of their use in hauling materials incident to the improvement.
 - f. All work related to underground storage tanks and contaminated soils.
 - g. Street and bridge width in excess of standards, in accordance with the current WisDOT Facilities Development Manual (FDM).
 - h. Other 100% Municipally funded items: Installation of underground street lighting conduit.
 - i. Real estate for the improvement.
8. The construction of the subject improvement will be in accordance with the appropriate standards unless an exception to standards is granted by WisDOT prior to construction. The entire cost of the construction project, not constructed to standards, will be the responsibility of the Municipality unless such exception is granted.
9. Work to be performed by the Municipality without Federal funding participation necessary to ensure a complete improvement acceptable to the Federal Highway Administration and/or the State may be done in a manner at the election of the Municipality but must be coordinated with all other work undertaken during construction.
10. The Municipality is responsible for financing administrative expenses related to Municipal project responsibilities.

11. The Municipality will include in all contracts executed by them a provision obligating the contractor not to discriminate against any employee or applicant for employment because of age, race, religion, color, handicap, sex, physical condition, developmental disability as defined in s. 51.01 (5), sexual orientation as defined in s. 111.32 (13m), or national origin.
12. The Municipality will pay to the State all costs incurred by the State in connection with the improvement that exceed Federal financing commitments or are ineligible for Federal financing. In order to guarantee the Municipality's foregoing agreements to pay the State, the Municipality, through its above duly authorized officers or officials, agrees and authorizes the State to set off and withhold the required reimbursement amount as determined by the State from any moneys otherwise due and payable by the State to the Municipality.
13. **In accordance with the State's sunset policy for Urbanized Area STP-Urban projects, the subject 2011-2014 Urbanized Area STP-Urban improvement must be constructed and in final acceptance within six years from the start of State Fiscal Year 2012, or by June 30, 2017.** Extensions may be available upon approval of a written request by or on behalf of the Municipality to WisDOT. The written request shall explain the reasons for project implementation delay and revised timeline for project completion.
14. If the Municipality should withdraw the project, it will reimburse the State for any costs incurred by the State on behalf of the project.
15. The Municipality will at its own cost and expense:
 - a. Maintain all portions of the project that lie within its jurisdiction (to include, but not limited to, cleaning storm sewers, removing debris from sumps or inlets, and regular maintenance of the catch basins, curb and gutter, sidewalks and parking lanes [including snow and ice removal]) for such maintenance through statutory requirements in a manner satisfactory to the State, and will make ample provision for such maintenance each year.
 - b. Regulate [or prohibit] parking at all times in the vicinity of the proposed improvements during their construction.
 - c. Regulate [or prohibit] all parking at locations where and when the pavement area usually occupied by parked vehicles will be needed to carry active traffic in the street.
 - d. Assume general responsibility for all public information and public relations for the project and to make fitting announcement to the press and such outlets as would generally alert the affected property owners and the community of the nature, extent, and timing of the project and arrangements for handling traffic within and around the projects.
 - e. Provide relocation orders and real estate plats.
 - f. Use the *WisDOT Utility Accommodation Policy* unless it adopts a policy, which has equal or more restrictive controls.
 - g. Provide maintenance and energy for lighting.
 - h. Provide proper care and maintenance of all landscaping elements of the project including replacement of any plant materials damaged by disease, drought, vandalism or other cause.
16. It is further agreed by the Municipality that:
 - a. The Municipality assumes full responsibility for the design, installation, testing and operation of any sanitary sewer and water main infrastructure within the improvement project and relieves the state and all of its employees from liability for all suits, actions, or claims resulting from the sanitary sewer and water main construction under this agreement.
 - b. The Municipality assumes full responsibility for the plans and special provisions provided by their designer or anyone hired, contracted or otherwise engaged by the Municipality. The Municipality is

responsible for any expense or cost resulting from any error or omission in such plans or special provisions. The Municipality will reimburse WisDOT if WisDOT incurs any cost or expense in order to correct or otherwise remedy such error or omission or consequences of such error or omission.

- c. The Municipality will be 100% responsible for all costs associated with utility issues involving the Contractor, including costs related to utility delays.
- d. All signs and traffic control devices and other protective structures erected on or in connection with the project including such of these as are installed at the sole cost and expense of the Municipality or by others, will be in conformity with such "Manual of Uniform Traffic Control Devices" as may be adopted by the American Association of State Highway and Transportation Officials, approved by the State, and concurred in by the Federal Highway Administration.
- e. The right-of-way available or provided for the project will be held and maintained inviolate for public highway or street purposes. Those signs prohibited under Federal aid highway regulations, posters, billboards, roadside stands, or other private installations prohibited by Federal or State highway regulations will not be permitted within the right-of-way limits of the project. The municipality, within its jurisdictional limits, will remove or cause to be removed from the right-of-way of the project all private installations of whatever nature which may be or cause an obstruction or interfere with the free flow of traffic, or which may be or cause a hazard to traffic, or which impair the usefulness of the project and all other encroachments which may be required to be removed by the State at its own election or at the request of the Federal Highway Administration, and that no such installations will be permitted to be erected or maintained in the future.

LEGAL RELATIONSHIPS:

- 17. The State shall not be liable to the Municipality for damages or delays resulting from work by third parties. The State also shall be exempt from liability to the Municipality for damages or delays resulting from injunctions or other restraining orders obtained by third parties.
- 18. The State will not be liable to any third party for injuries or damages resulting from work under or for the Project. The Municipality and the Municipality's surety shall indemnify and save harmless the State, its officers and employees, from all suits, actions or claims of any character brought because of any injuries or damages received or sustained by any person, persons or property on account of the operations of the Municipality and its sureties; or on account of or in consequence of any neglect in safeguarding the work; or because of any act or omission, neglect or misconduct of the Municipality or its sureties; or because of any claims or amounts recovered for any infringement by the Municipality and its sureties of patent, trademark or copyright; or from any claims or amounts arising or recovered under the Worker's Compensation Act, relating to the employees of the Municipality and its sureties; or any other law, ordinance, order or decree relating to the Municipality's operations.
- 19. Contract Modification: This State/Municipal Agreement can only modified by written instruments duly executed by both parties. No term or provision of neither this State/Municipal Agreement nor any of its attachments may be changed, waived or terminated orally.
- 20. Binding Effects: All terms of this State/Municipal Agreement shall be binding upon and inure to the benefits of the legal representatives, successors and executors. No rights under this State/Municipal Agreement may be transferred to a third party. This State/Municipal Agreement creates no third- party enforcement rights.
- 21. Choice of Law and Forum: This State/Municipal Agreement shall be interpreted and enforced in accordance with the laws of the State of Wisconsin. The Parties hereby expressly agree that the terms contained herein and in any deed executed pursuant to this State/Municipal Agreement are enforceable by an action in the Circuit Court of Dane County, Wisconsin.

PROJECT FUNDING CONDITIONS

22. The Municipality agrees to the following 2011-2014 Urbanized Area STP-Urban project funding conditions:

- a. ID 2505-00-05: Design is funded with 80% federal funding, when the municipality agrees to provide the remaining 20%. This portion of the project is subject to the cumulative project federal funding cap (see sub-item d). This phase includes Plan Development, Management Consultant Review, and State Review. The work includes project review, approval of required reports and documents and processing the final PS&E document for award of the contract. Costs for this phase include an estimated amount for state review activities, to be funded 80% with federal funding and 20% by the Municipality.
- b. ID 2505-00-75: Construction:
 - i. Costs for South 13th Street construction are funded with 80% federal funding when the municipality agrees to provide the remaining 20%. This portion of the project is subject to the cumulative project federal funding cap (see sub-item d).
 - ii. Non-participating Costs for adjustment of water gate valves, service boxes and manholes, adjusting sanitary sewer manhole covers, placing new sanitary manhole covers, installing internal sanitary manhole seals, and installing underground street lighting conduit are funded 100% by the Municipality. Costs include construction delivery.
 - iii. Costs for this phase include an estimated amount for state review activities, to be funded 80% with federal funding and 20% by the Municipality. This portion of the project is subject to the cumulative project federal funding cap (see sub-item d).
- c. ID 2505-00-95: Signals and Signing
 - i. Costs for South 13th Street Signals and Signing are funded with 80% federal funding when the municipality agrees to provide the remaining 20%. This portion of the project is subject to the cumulative project federal funding cap (see sub-item d).
 - ii. Costs for this phase include an estimated amount for state review activities, to be funded 80% with federal funding and 20% by the Municipality. This portion of the project is subject to the cumulative project federal funding cap (see sub-item d).
- d. Project Cap: In accordance with STP-Urban program guidelines for projects in urbanized areas, State action and TIP Committee action, this project has a federal funding cap of **\$1,417,840**. This federal funding cap applies to all federally funded project phases.
- e. If project costs exceed this estimate, this project agreement may be revised and additional City of Milwaukee STP-M entitlements may be sued provided a positive 2011-2014 allocation balance is maintained.

[End of Document]



**STATE/MUNICIPAL AGREEMENT
FOR A STATE- LET URBANIZED
AREA STP-URBAN PROJECT**

Program Name: STP-Urban

Population Group: Over 200,000

Sub-program #: 206

Date: January 24, 2012

I.D.: 2585-00-00

Road Name: North 92nd Street

Limits: W Capitol Dr to W Hampton Ave

County: Milwaukee

Roadway Length: 1.0 miles

Functional Classification: Minor Arterial

Project Sponsor: City of Milwaukee

Urbanized Area: Milwaukee

The signatory, City of Milwaukee, hereinafter called the Municipality, through its undersigned duly authorized officers or officials, hereby requests the State of Wisconsin Department of Transportation, hereinafter called the State, to initiate and effect the highway or street improvement hereinafter described.

The authority for the Municipality to enter into this agreement with the State is provided by Sections 86.25(1), (2), and (3) and Section 66.0301 of the Statutes.

NEEDS AND ESTIMATE SUMMARY:

All components of the project must be defined in the environmental document if any portion of the project is federally funded. The Municipality agrees to complete all participating and any non-participating work included in this improvement consistent with the environmental document. No work on final engineering and design may occur prior to approval of the environmental document.

Existing Facility - Describe and give reason for request: The 1.0 mile segment is a divided roadway with two 11 foot driving lanes and a parking lane with curb and gutter in each direction. Last surfaced in 1984, this pavement is experiencing rutting, alligator cracking, joint raveling, potholes and patching. There is an existing sidewalk, bicycle/pedestrian accommodations and a lighting system. There are no known safety issues or sub-standard alignments.

Proposed Improvement - Nature of work: Pavement Replacement. The pavement replacement of 1.0 miles of North 92nd Street will create no additional lanes. There will be minimal grading work, replacement of curb and gutter, replacement of the sidewalk, bicycle and pedestrian accommodations, and ADA compliant curb ramps with detectable field warnings will be used consistent with Trans 75. 12 inch lateral storm sewer lines will be replaced.

Describe non-participating work included in the project and other work necessary to completely finish the project that will be undertaken independently by the Municipality. Please note that non-participating components of a project/contract are considered part of the overall project and will be subject to applicable Federal requirements: Adjustment of water gate valves, service boxes and manholes, adjusting sanitary sewer manhole covers, placing new sanitary manhole covers, installing internal sanitary manhole seals, installing underground street lighting conduit and non-participating sidewalk replacement.

The Municipality agrees to the following 2011-2014 Urbanized Area STP-Urban project funding conditions:

Project design costs are funded with 80% federal funding up to a maximum of \$460,000 for all federally-funded project phases when the municipality agrees to provide the remaining 20% and all funds in excess of the \$460,000 federal funding maximum, in accordance with the STP Urban program guidelines for projects in urbanized areas. Non-participating costs are 100% the responsibility of the municipality. Any work performed by

the Municipality prior to federal authorization is not eligible for federal funding. The Municipality will be notified by the State that the project is authorized and available for charging.

This project is currently scheduled in State Fiscal Year 2013. **In accordance with the State's sunset policy for Urbanized Area STP Urban projects, the subject 2011-2014 Urbanized Area STP-Urban improvement design must be completed and in final acceptance within six years from the start of State Fiscal Year 2012, or by June 30, 2017.** Extensions may be available upon approval of a written request by or on behalf of the Municipality to WisDOT. The written request shall explain the reasons for project implementation delay and revised timeline for project completion.

The dollar amounts shown in the Summary Funding Table below are federal maximum amounts unless explicitly identified otherwise. The final Municipal share is dependent on the final Federal participation, and actual costs will be used in the final division of cost for billing and reimbursement.

PHASE	SUMMARY OF COSTS				
	Total Est. Cost	Federal Funds	%	Municipal Funds	%
ID 2585-00-00					
Design	\$506,000	\$404,800	80%*	\$101,200	20% + BAL
State Review	\$69,000	\$55,200	80%*	\$13,800	20% + BAL
Total Est. Cost Distribution	\$575,000	\$460,000	N/A	\$115,000	N/A

*The percentage of project costs covered by federal funding at approval, 80%, is based on TIP Committee Action. Due to the federal funding cap, which is \$460,000 for all federally-funded project phases,

**If project costs exceed this estimate, this project agreement may be revised and additional City of Milwaukee STP-M entitlements may be used provided a positive 2011-2014 allocation balance is maintained.

This request is subject to the terms and conditions that follow (pages 3 – 7) and is made by the undersigned under proper authority to make such request for the designated Municipality and upon signature by the State and delivery to the Municipality shall constitute agreement between the Municipality and the State. No term or provision of neither the State/Municipal Agreement nor any of its attachments may be changed, waived or terminated orally but only by an instrument in writing executed by both parties to the State/Municipal Agreement.

Signed for and in behalf of: **City of Milwaukee** (please sign in blue ink.)

X _____
 Name Title Date

X _____
 Name Title Date

Signed for and in behalf of the State:

X _____
 Name Title Date

GENERAL TERMS AND CONDITIONS:

1. All projects must be in an approved Transportation Improvement Program (TIP) or State Transportation Improvement Program (STIP) prior to requesting authorization.
2. Work prior to federal authorization is ineligible for federal funding.
3. The Municipality, throughout the entire project, commits to comply with and promote all applicable federal and state laws and regulations that include, but are not limited to, the following:
 - a. Environmental requirements, including but not limited to those set forth in the 23 U.S.C. 139 and National Environmental Policy Act (42 U.S.C. 4321 et seq.)
 - b. Equal protection guaranteed under the U.S. Constitution, WI Constitution, Title VI of the Civil Rights Act and Wis. Stat. 16.765. The municipality agrees to comply with and promote applicable Federal and State laws, Executive Orders, regulations, and implementing requirements intended to provide for the fair and equitable treatment of individuals and the fair and equitable delivery of services to the public. In addition the Municipality agrees not to engage in any illegal discrimination in violation of applicable Federal or State laws and regulations. This includes but is not limited to Title VI of the Civil Rights Act of 1964 which provides that “no person in the United States shall, on the ground of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance.” The Municipality agrees that public funds, which are collected in a nondiscriminatory manner, should not be used in ways that subsidize, promote, or perpetuate illegal discrimination based on prohibited factors such as race, color, national origin, sex, age, physical or mental disability, sexual orientation, or retaliation.
 - c. Prevailing wage requirements, including but not limited to 23 U.S.C 113 and Wis. Stat. 103.50.
 - d. Buy America Provision and its equivalent state statutes, set forth in 23 U.S.C. 313 and Wis. Stat. 16.754.
 - e. Competitive bidding requirements set forth in 23 U.S.C 112 and Wis. Stat. 84.06.
 - f. All DBE requirements that the State specifies.
 - g. Federal Statutes that govern the Surface Transportation Program, including but not limited to 23 U.S.C. 133.
 - h. General requirements for administering federal and state aid set forth in Wis. Stat. 84.03.

STATE RESPONSIBILITIES AND REQUIREMENTS:

4. Funding of each project phase is subject to inclusion in Wisconsin's approved 2011-2014 Urbanized Area STP-Urban program. Federal funding will be limited to participation in the costs of the following items, as applicable to the project:
 - a. The grading, base, pavement, and curb and gutter, sidewalk, and replacement of disturbed driveways in kind.
 - b. The substructure, superstructure, grading, base, pavement, and other related bridge and approach items.
 - c. Storm sewer mains necessary for the surface water drainage.
 - d. Catch basins and inlets for surface water drainage of the improvement, with connections to the storm sewer main.
 - e. Construction engineering incident to inspection and supervision of actual construction work (except for inspection, staking, and testing of sanitary sewer and water main).
 - f. Signing and pavement marking.

- g. New installations or alteration of street lighting and traffic signals or devices.
 - h. Landscaping.
 - i. Preliminary Engineering and design.
 - j. Management Consultant and State Review Services.
5. The work will be administered by the State and may include items not eligible for Federal participation.
6. As the work progresses, the State will bill the Municipality for work completed which is not chargeable to Federal funds. Upon completion of the project, a final audit will be made to determine the final division of costs. If reviews or audits show any of the work to be ineligible for Federal funding, the Municipality will be responsible for any withdrawn costs associated with the ineligible work.

MUNICIPAL RESPONSIBILITIES AND REQUIREMENTS:

7. Work necessary to complete the 2011-2014 Urbanized Area STP-Urban improvement project to be financed entirely by the Municipality or other utility or facility owner includes the items listed below. While federal funding is only currently available for design, the items listed below are illustrative of items that will be 100% locally funded should the project receive federal funding for construction.
- a. New installations of or alteration of sanitary sewers and connections, water, gas, electric, telephone, telegraph, fire or police alarm facilities, parking meters, and similar utilities.
 - b. Damages to abutting property after project completion due to change in street or sidewalk widths, grades or drainage.
 - c. Detour routes and haul roads. The municipality is responsible for determining the detour route.
 - d. Conditioning, if required and maintenance of detour routes.
 - e. Repair of damages to roads or streets caused by reason of their use in hauling materials incident to the improvement.
 - f. All work related to underground storage tanks and contaminated soils.
 - g. Street and bridge width in excess of standards, in accordance with the current WisDOT Facilities Development Manual (FDM).
 - h. Real estate for the improvement.
8. The construction of the subject improvement will be in accordance with the appropriate standards unless an exception to standards is granted by WisDOT prior to construction. The entire cost of the construction project, not constructed to standards, will be the responsibility of the Municipality unless such exception is granted.
9. Work to be performed by the Municipality without Federal funding participation necessary to ensure a complete improvement acceptable to the Federal Highway Administration and/or the State may be done in a manner at the election of the Municipality but must be coordinated with all other work undertaken during construction.
10. The Municipality is responsible for financing administrative expenses related to Municipal project responsibilities.
11. The Municipality will include in all contracts executed by them a provision obligating the contractor not to discriminate against any employee or applicant for employment because of age, race, religion, color, handicap, sex, physical condition, developmental disability as defined in s. 51.01 (5), sexual orientation as defined in s. 111.32 (13m), or national origin.

12. The Municipality will pay to the State all costs incurred by the State in connection with the improvement that exceed Federal financing commitments or are ineligible for Federal financing. In order to guarantee the Municipality's foregoing agreements to pay the State, the Municipality, through its above duly authorized officers or officials, agrees and authorizes the State to set off and withhold the required reimbursement amount as determined by the State from any moneys otherwise due and payable by the State to the Municipality.
13. **In accordance with the State's sunset policy for Urbanized Area STP-Urban projects, the subject 2011-2014 Urbanized Area STP-Urban improvement design must be completed and in final acceptance within six years from the start of State Fiscal Year 2012, or by June 30, 2017.** Extensions may be available upon approval of a written request by or on behalf of the Municipality to WisDOT. The written request shall explain the reasons for project implementation delay and revised timeline for project completion.
14. If the Municipality should withdraw the project, it will reimburse the State for any costs incurred by the State on behalf of the project.
15. The Municipality will at its own cost and expense:
 - a. Maintain all portions of the project that lie within its jurisdiction (to include, but not limited to, cleaning storm sewers, removing debris from sumps or inlets, and regular maintenance of the catch basins, curb and gutter, sidewalks and parking lanes [including snow and ice removal]) for such maintenance through statutory requirements in a manner satisfactory to the State, and will make ample provision for such maintenance each year.
 - b. Regulate [or prohibit] parking at all times in the vicinity of the proposed improvements during their construction.
 - c. Regulate [or prohibit] all parking at locations where and when the pavement area usually occupied by parked vehicles will be needed to carry active traffic in the street.
 - d. Assume general responsibility for all public information and public relations for the project and to make fitting announcement to the press and such outlets as would generally alert the affected property owners and the community of the nature, extent, and timing of the project and arrangements for handling traffic within and around the projects.
 - e. Provide relocation orders and real estate plats.
 - f. Use the *WisDOT Utility Accommodation Policy* unless it adopts a policy, which has equal or more restrictive controls.
 - g. Provide maintenance and energy for lighting.
 - h. Provide proper care and maintenance of all landscaping elements of the project including replacement of any plant materials damaged by disease, drought, vandalism or other cause.
16. It is further agreed by the Municipality that:
 - a. The Municipality assumes full responsibility for the design, installation, testing and operation of any sanitary sewer and water main infrastructure within the improvement project and relieves the state and all of its employees from liability for all suits, actions, or claims resulting from the sanitary sewer and water main construction under this agreement.
 - b. The Municipality assumes full responsibility for the plans and special provisions provided by their designer or anyone hired, contracted or otherwise engaged by the Municipality. The Municipality is responsible for any expense or cost resulting from any error or omission in such plans or special provisions. The Municipality will reimburse WisDOT if WisDOT incurs any cost or expense in order to correct or otherwise remedy such error or omission or consequences of such error or omission.

- c. The Municipality will be 100% responsible for all costs associated with utility issues involving the Contractor, including costs related to utility delays.
- d. All signs and traffic control devices and other protective structures erected on or in connection with the project including such of these as are installed at the sole cost and expense of the Municipality or by others, will be in conformity with such "Manual of Uniform Traffic Control Devices" as may be adopted by the American Association of State Highway and Transportation Officials, approved by the State, and concurred in by the Federal Highway Administration.
- e. The right-of-way available or provided for the project will be held and maintained inviolate for public highway or street purposes. Those signs prohibited under Federal aid highway regulations, posters, billboards, roadside stands, or other private installations prohibited by Federal or State highway regulations will not be permitted within the right-of-way limits of the project. The municipality, within its jurisdictional limits, will remove or cause to be removed from the right-of-way of the project all private installations of whatever nature which may be or cause an obstruction or interfere with the free flow of traffic, or which may be or cause a hazard to traffic, or which impair the usefulness of the project and all other encroachments which may be required to be removed by the State at its own election or at the request of the Federal Highway Administration, and that no such installations will be permitted to be erected or maintained in the future.

LEGAL RELATIONSHIPS:

- 17. The State shall not be liable to the Municipality for damages or delays resulting from work by third parties. The State also shall be exempt from liability to the Municipality for damages or delays resulting from injunctions or other restraining orders obtained by third parties.
- 18. The State will not be liable to any third party for injuries or damages resulting from work under or for the Project. The Municipality and the Municipality's surety shall indemnify and save harmless the State, its officers and employees, from all suits, actions or claims of any character brought because of any injuries or damages received or sustained by any person, persons or property on account of the operations of the Municipality and its sureties; or on account of or in consequence of any neglect in safeguarding the work; or because of any act or omission, neglect or misconduct of the Municipality or its sureties; or because of any claims or amounts recovered for any infringement by the Municipality and its sureties of patent, trademark or copyright; or from any claims or amounts arising or recovered under the Worker's Compensation Act, relating to the employees of the Municipality and its sureties; or any other law, ordinance, order or decree relating to the Municipality's operations.
- 19. Contract Modification: This State/Municipal Agreement can only modified by written instruments duly executed by both parties. No term or provision of neither this State/Municipal Agreement nor any of its attachments may be changed, waived or terminated orally.
- 20. Binding Effects: All terms of this State/Municipal Agreement shall be binding upon and inure to the benefits of the legal representatives, successors and executors. No rights under this State/Municipal Agreement may be transferred to a third party. This State/Municipal Agreement creates no third- party enforcement rights.
- 21. Choice of Law and Forum: This State/Municipal Agreement shall be interpreted and enforced in accordance with the laws of the State of Wisconsin. The Parties hereby expressly agree that the terms contained herein and in any deed executed pursuant to this State/Municipal Agreement are enforceable by an action in the Circuit Court of Dane County, Wisconsin.

PROJECT FUNDING CONDITIONS

- 22. The Municipality agrees to the following 2011-2014 Urbanized Area STP-Urban project funding conditions:
 - a. ID 2585-00-00: Design is funded with 80% federal funding, when the municipality agrees to provide the remaining 20%. This portion of the project is subject to the cumulative project federal funding cap (see sub-item b). This phase includes Plan Development, Management Consultant Review, and State Review. The work includes project review, approval of required reports and documents and processing the final PS&E document for award of the contract. Costs for this phase include an estimated amount for state review activities, to be funded 80% with federal funding and 20% by the Municipality.

- b. Project Cap: In accordance with STP-Urban program guidelines for projects in urbanized areas, State action and TIP Committee action, this project has a federal funding cap of **\$460,000**. This federal funding cap applies to all federally funded project phases.
- c. If project costs exceed this estimate, this project agreement may be revised and additional City of Milwaukee STP-M entitlements may be used provided a positive 2011-2014 allocation balance is maintained.

[End of Document]

**Capital Grant Resolution Certification from the
Comptroller's Office**

The Comptroller's Office has reviewed Common Council Resolution File No. 111507 for four State Municipal Agreement paving projects and for the set-up of design engineering funds (City Share Design \$332,200; Grantor Reimbursable Share Design \$1,169,344; Grantor Non Reimbursable Share Design \$159,456) and approved the resolution as to:

- Sufficiency of funds
- Funding sources (per estimated **grant funding agreement**)
- Sufficiency of reporting for purposes of internal auditing

The following deficiencies were noted:

The resolution should be corrected and returned to the Comptroller's Office for review.

Signature: C. Wisneski

Date: 2-17-12

2505-00-05 S 13th St/ W Windlake Ave to W Forest Home Ave (City Share \$36,000; Grantor Reimbursable Share \$126,720; Grantor Non-Reimbursable Share \$17,280)
 2080-00-01 N Teutonia Ave/ W capitol Dr to W Ruby Ave (City Share \$67,000; Grantor Reimbursable Share \$235,840; Grantor Non-Reimbursable Share \$32,160)
 2585-00-00 N 92nd St/ W Capitol Dr to W Hampton Ave (City Share \$115,000; Grantor Reimbursable Share \$404,800; Grantor Non-Reimbursable Share \$55,200)
 2190-00-00 W Wisconsin Ave/ N 35th St to N 20th St (City Share \$114,200; Grantor Reimbursable Share \$401,984; Grantor Non-Reimbursable Share \$54,816)



Legislation Details (With Text)

File #: 111514 **Version:** 0

Type: Resolution **Status:** In Committee

File created: 2/28/2012 **In control:** PUBLIC WORKS COMMITTEE

On agenda: **Final action:**

Effective date:

Title: Resolution authorizing the Department of Public Works and the City Comptroller to execute an agreement between Milwaukee County, the City of Milwaukee and the City of Oak Creek for the installation, operation and maintenance of street lighting facilities on East College Avenue from South Howell Avenue to South Pennsylvania Avenue.

Sponsors: ALD. WITKOWSKI

Indexes: AGREEMENTS, MILWAUKEE COUNTY, STREET LIGHTING

Attachments: Agreement, Hearing Notice List

Date	Ver.	Action By	Action	Result	Tally
2/28/2012	0	COMMON COUNCIL	ASSIGNED TO		
3/2/2012	0	PUBLIC WORKS COMMITTEE	HEARING NOTICES SENT		

Number
111514
Version
ORIGINAL
Reference

Sponsor
ALD. WITKOWSKI

Title
Resolution authorizing the Department of Public Works and the City Comptroller to execute an agreement between Milwaukee County, the City of Milwaukee and the City of Oak Creek for the installation, operation and maintenance of street lighting facilities on East College Avenue from South Howell Avenue to South Pennsylvania Avenue.

Analysis
This Resolution authorizes the Commissioner of Public Works and City Comptroller to enter into an agreement with Milwaukee County and the City of Oak Creek for the installation, operation and maintenance of street lighting facilities on East College Avenue from South Howell Avenue to South Pennsylvania Avenue. Under this agreement, Milwaukee County would install new street lighting facilities on this roadway, excluding the airport tunnel, and will fund 100% of the cost of these improvements utilizing State and Federal Highway Aid provided in conjunction with the paving of that roadway. The Cities of Milwaukee and Oak Creek would provide for the design of the lighting system to be installed, and assume ownership as well as the responsibility for the operation and maintenance of the new street lighting.

Body
Whereas, The segment of East College Avenue from South Howell Avenue to South Pennsylvania Avenue (County Trunk Highway ZZ) is under the maintenance jurisdiction of Milwaukee County; and

Whereas, This segment of East College Avenue lies on the border between the City of Milwaukee and the City

of Oak Creek; and

Whereas, The City of Milwaukee currently provides street lighting on only a portion of the north side of East College Avenue east of South Howell Avenue, while the south side of the roadway in the City of Oak Creek remains unlit; and

Whereas; East College Avenue is currently being reconstructed by Milwaukee County between South Howell Avenue and South Pennsylvania Avenue using State and Federal Aid, with Milwaukee County providing the local share of costs; and

Whereas, Milwaukee County has proposed to provide for the improvement of street lighting on the entire segment of East College Avenue between South Howell Avenue and South Pennsylvania Avenue in conjunction with the State and Federal Aid paving of that roadway to provide for increased safety of pedestrians, bicyclists and motorists on that roadway; and

Whereas, Milwaukee County has secured all necessary approvals to install street lighting facilities utilizing State and Federal Highway Aid and County local matching funds in conjunction with the paving of this section of East College Avenue; and

Whereas, Milwaukee County has prepared an agreement between the County, the City of Oak Creek and the City of Milwaukee for the design, construction, ownership, operation and maintenance responsibilities for the new permanent street lighting facilities on East College Avenue from South Howell Avenue to South Pennsylvania Avenue, excluding the airport tunnel; and

Whereas, Under this agreement, the City of Milwaukee and the City of Oak Creek will share ownership of the new street lighting on East College Avenue from South Howell Avenue to South Pennsylvania Avenue., excluding the airport tunnel; and

Whereas, The agreement provides that the City of Milwaukee will assume responsibility for the design, operation, maintenance, and all energy costs of the new street lighting on East College Avenue from South Howell Avenue east to the airport tunnel; and

Whereas, The agreement also provides that the City of Oak Creek will assume responsibility for the design, operation, maintenance, and all energy costs of the new street lighting on East College Avenue from South Pennsylvania Avenue west to the airport tunnel; and

Whereas, If the construction bid amount exceeds the County's estimate of \$300,000 for the cost of construction of these street lighting improvements by 10% or more, prior authorization from the City of Milwaukee as well as Milwaukee County and the City of Oak Creek will be required to award of any contract for construction of the proposed street lighting improvements; and

Whereas, Any additional construction costs that exceed the cost estimate for the street lighting installation will be shared equally by the City of Milwaukee and the City of Oak Creek; now, therefore, be it

Resolved, By the Common Council of the City of Milwaukee, that the Commissioner of Public Works and the City Comptroller are authorized to execute an Agreement between Milwaukee County, the City of Milwaukee and the City of Oak Creek for the ownership, design, construction, operation and maintenance of the new permanent street lighting facilities proposed to be installed as part of the East College Avenue reconstruction project from South Howell Avenue to South Pennsylvania Avenue, a copy of which is attached to this

resolution, and is incorporated into this resolution by reference as though set forth in full, and be it

Further Resolved, That upon the approval of this Agreement, the Commissioner of Public Works is authorized to provide construction plans for the proposed street lighting improvements on East College Avenue from South Howell Avenue east to the airport tunnel, and to assume the responsibility for operation and maintenance, as well as electrical energy costs, for these improvements.

Requestor

Department of Public works

Drafter

Infrastructure Services Division

DMK:clm

February 28, 2012

College Avenue Lighting

February 28, 2012

Jeff Polenske
City of Milwaukee
841 N. Broadway, Rm. 701
Milwaukee, WI 53202

Mike Simmons
City of Oak Creek
8640 S. Howell Ave.
PO Box 27
Oak Creek, WI 53154

Subject: **Street Lighting Addition Municipal Agreement**
WISDOT Project I.D. 2355-05-75
E. College Ave. (CTH ZZ)
S. Howell Ave. to S. Pennsylvania Ave.
Milwaukee County

Milwaukee County Department of Transportation (MCDOT) has found it essential to add street lighting on the subject project to provide increased safety for the pedestrians, bicyclist and motorist along the project corridor.

MCDOT received approval from the Wisconsin Department of Transportation (WISDOT) on December 5, 2011 to include the addition of street lighting as a participating item (eligible for 80% Federal funding) in the subject project and has also agreed to execute a Contract Modification for installation of this safety measure.

MCDOT obtained Surface Transportation Program (STP) funding which provides 80% participation for the improvement of the subject project. WISDOT has confirmed that MCDOT has additional STP funds available in the subject project to complete the street lighting addition.

The signatory Cities through its undersigned duly authorized officers or officials, hereby requests MCDOT to initiate the installation of the street lighting and mutually agree to participate and comply as follows:

➤ **Design of Street Lighting-**

1. MCDOT will not be responsible for the design of the street lighting for the subject project or pay any design costs. MCDOT will assist with fulfilling the necessary Federal Aviation Administration (FAA) requirements.
2. City of Milwaukee will be responsible for the design of the street lighting for the subject project from S. Howell Ave. east to the airport tunnel and will pay 100% of all design costs. The design consists of providing the required plans and specifications to install the street lighting in the median of E. College Ave. (CTH ZZ) as a Contract Modification.
3. City of Oak Creek will be responsible for the design of the street lighting for the subject project from the airport tunnel east to S. Pennsylvania Ave. and will pay 100% of all design costs. The design consists of providing the required plans and specifications to install the street lighting in the median of E. College Ave. (CTH ZZ) as a Contract Modification.

➤ **Construction of Street Lighting-**

4. MCDOT will be responsible for the construction of the street lighting for the subject project from S. Howell Ave. to S. Pennsylvania Ave., excluding the airport tunnel and will pay 100% of all construction costs, utilizing available STP project funding. The construction consists of fully executing the Contract Modification for the installation of street lighting.
5. City of Milwaukee will not be responsible for the construction of the street lighting for the subject project or pay any construction costs. City of Milwaukee will provide support as needed to ensure the street lighting is installed according to the plans and specifications designed by the City of Milwaukee.
6. City of Oak Creek will not be responsible for the construction of the street lighting for the subject project or pay any construction costs. City of Oak Creek will provide support as needed to ensure the street lighting is installed according to the plans and specifications designed by the City of Oak Creek.

➤ **Ownership, Maintenance and Liability of Street Lighting-**

7. MCDOT will not own, maintain, or assume liability for the street lighting for the subject project from S. Howell Ave. to S. Pennsylvania Ave., excluding the airport tunnel upon acceptance from the Cities of the street lighting installation.
8. City of Milwaukee will own, maintain and assume liability for the street lighting for the subject project from S. Howell Ave. east to the airport tunnel upon acceptance of the street lighting installation.
9. City of Oak Creek will own, maintain and assume liability for the street lighting for the subject project from the airport tunnel east to S. Pennsylvania Ave. upon acceptance of the street lighting installation.

➤ **Energy of Street Lighting-**

10. MCDOT will not be responsible for energizing the street lighting for the subject project or pay any energy costs.
11. City of Milwaukee will be responsible for energizing the street lighting for the subject project from S. Howell Ave. east to the airport tunnel and will pay 100% of all energy costs.
12. City of Oak Creek will be responsible for energizing the street lighting for the subject project from the airport tunnel east to S. Pennsylvania Ave. and will pay 100% of all energy costs.

➤ **Other-**

13. Upgrades, non-standard or specialty street lighting items requested by the City(s) will be considered non-participating where 100% of the additional cost to be paid by the City(s) that requested.
14. The authority for the Cities to enter into this agreement with the MCDOT is provided by Section 86.25(1), (2) and (3) of the Statutes.
15. This agreement can only be amended by mutual agreement in writing by all signatories.

**Project I.D. 2355-05-75
E. College Ave. (CTH ZZ)
STREET LIGHTING ADDITION
ESTIMATED COST SUMMARY***

PHASE	Total Estimated Cost	Federal/ State		MCDOT		City of Milw.		City of Oak Cr. %	
		Funds	%	Funds	%	Funds	%	Funds	%
Design	**	\$0	0	\$0	0	**	100	**	100
Real Estate	-	-	-	-	-	-	-	-	-
Construction	\$300,000***	\$240,000	80	\$60,000	20	\$0	0	\$12,000	20
Total Cost Distribution	\$300,000*	\$240,000	80	\$60,000	20	\$0	0	\$12,000	20

* These are preliminary estimated costs. These estimated costs do not include work not eligible (non-participating costs) for Federal or State funding assistance. If the bid amount exceeds the estimate by 10% or more, authorization from MCDOT and both Cities is required prior to execution of the contract modification for the project.

** No estimated cost provided. The Cities pay 100% of all design costs for the street lighting.

*** **The maximum construction cost of the street lighting is \$300,000.** Additional construction costs that exceed the maximum will be shared by the Cities with a 50/50 split accordingly. The construction estimated cost includes 15% engineering and contingencies.

If the above terms of agreement are acceptable, please sign the attached signatory page (3 original copies) and return. An executed copy of the above agreement will be forwarded to you for your records.

We appreciate your cooperation and coordination efforts in providing a safer highway. Please contact me if you have any questions at 414-278-4934 or andrea.weddle-henning@milwcnty.com.

Sincerely,

Andrea Weddle-Henning, P.E.
Resident Contract Manager- Design
Milwaukee County Department of Transportation

cc: Frank Busalachhi, MCDOT
Joe Wiczorek, MCDOT
Dan O'Keefe, MCDOT
Jason Roselle, WISDOT
Bob Serak, DAAR Engineering

DRAFT

This request by MCDOT for the addition of street lighting on E. College Ave. (CTH ZZ), Project I.D. 2355-05-75, is made by the undersigned under proper authority to make such request for the designated Cities and upon acceptance by the MCDOT shall constitute agreement between the Cities and MCDOT.

Signed for and on behalf of **Milwaukee County (MCDOT)**:

Signature

MCDOT Director
Title

Date

Name (Written Clearly)

Signed for and on behalf of the **City of Milwaukee**:

Signature

Commissioner of Public Works
Title

Date

Name (Written Clearly)

Signature

Comptroller
Title

Date

Name (Written Clearly)

Signed for and on behalf of the **City of Oak Creek**:

Signature

Mayor
Title

Date

Name (Written Clearly)

..Number

111198

..Version

SUBSTITUTE 1

..Reference

..Sponsor

ALD. WITKOWSKI

..Title

Substitute resolution authorizing the Department of Public Works to accept a donation of solar-powered street signs and installation services to evaluate solar-powered signs as an environmentally-friendly alternative to conventional street signage.

..Analysis

This resolution authorizes the Department of Public Works to accept 11 Solar LED illuminated street name signs and 6 Solar LED Blinker Crosswalk signs for 3 crosswalks from Traffic & Parking Control Co., Inc., through Great Lakes Transportation Enterprise Institute, a non-profit organization. Traffic & Parking Control will make its donation to the Great Lakes Transportation Enterprise Institute which will in turn pass the gift along to the City.

Donated signs will be installed at various intersections along the City's Green Corridor - South 6th Street between Howard and College Avenues - in a pilot program to evaluate the value of lighted, solar-powered street signs as an environmentally-friendly alternative to conventional street signage.

The street name signs will be installed by Department of Public Works staff as a part of the department's routine replacement program for City street name signs. The crosswalk signs will be installed by the donor in consultation with City staff.

While the 11 solar-powered street name signs are somewhat smaller and will require smaller text size for longer street names than conventional street name signs now used by the City, the Department of Public Works regards this donation as an opportunity to evaluate lighted street names, which are more expensive than conventional signs, without incurring additional costs. In addition, the Department of Public Works believes the fact these street name signs are lighted will compensate in part for any needed text size reduction, and maintains their installation will not compromise safety or inconvenience the public in any way.

The donor stipulates the donated signs and related installation services have an approximate value of \$30,000 - \$16,500 for the 3 installed crosswalks and \$5,500 for the 11 street name signs, plus \$8,000 for incidental installation costs.

..Body

Whereas, Section 304-24 of the Code of Ordinances regulates the receipt, appropriation and expenditure of contributions received by the City; and

Whereas, The Traffic & Parking Control Co., Inc. wishes to donate to the City 11 Solar LED illuminated street name signs, 6 Solar LED Blinker Crosswalk signs and services to install 3 crosswalks through the non-profit Great Lakes Transportation Enterprise Institute; and

Whereas, The Department of Public Works shall install donated street name signs as part of the department's routine replacement program and crosswalk signs will be installed by the donor in consultation with City staff; and

Whereas, The Department of Public Works agrees to accept these donated street name signs even though they are somewhat smaller than conventional street name signs because the fact they are lighted is expected to compensate in part for any necessary text size reduction without compromising safety or inconveniencing the public; and

Whereas, The donor stipulates the donated signs and related installation services have an approximate value of \$30,000 - \$16,500 for the 3 installed crosswalks and \$5,500 for the 11 street name signs, plus \$8,000 for incidental installation costs; and

Whereas, The donation of these signs and installation services affords the Department of Public Works the opportunity to evaluate how lighted street signs may enhance public safety and convenience at minimal cost; and

Whereas, South 6th Street between West Howard Avenue and West College Avenue was designated "The Green Corridor" in 2011 and serves as Milwaukee's living laboratory to demonstrate and showcase innovations in environmentally sustainable urban living; and

Whereas, Solar-powered street signs represent an environmentally sustainable innovation consistent with the spirit and vision of The Green Corridor; now, therefore, be it

Resolved, By the Common Council of the City of Milwaukee, that the Department of Public Works is authorized to accept 11 Solar LED illuminated street name signs and 6 Solar LED Blinker Crosswalk signs, and installation services to install from the Great Lakes Transportation Enterprise Institute; and, be it

Further Resolved, These donated street signs and crosswalks shall be installed at various intersections along South 6th Street between West Howard Avenue and West College Avenue designated as the "The Green Corridor" so the Department of Public Works can evaluate how solar-powered, lighted street signs may enhance public safety and convenience, and contribute to the environmental sustainability of the City's infrastructure; and, be it

Further Resolved, That the Common Council expresses its appreciation to the Traffic & Parking Control Co. for its donation to the Great Lakes Transportation Enterprise Institute which gives the City the opportunity to evaluate how solar-powered, lighted street signs may enhance public safety without increasing the City's carbon footprint.

..Requestor

..Drafter

LRB 136033 - 2

Aaron Cadle

03/05/2012



Legislation Details (With Text)

File #: 111492 **Version:** 0

Type: Resolution **Status:** In Committee

File created: 2/28/2012 **In control:** PUBLIC WORKS COMMITTEE

On agenda: **Final action:**

Effective date:

Title: Resolution relative to the cost participation and installation of temporary and permanent traffic control devices in conjunction with Phase 1 Federal and State Aid mitigation construction of the Zoo Interchange Project in the 10th Aldermanic District at a total estimated cost of \$120,000, with one hundred percent of the total cost funded by the Wisconsin Department of Transportation.

Sponsors: ALD. MURPHY

Indexes: AGREEMENTS, STREET LIGHTING, TRAFFIC CONTROL SIGNALS, WISCONSIN DEPARTMENT OF TRANSPORTATION

Attachments: Agreement, Lighting and Signals Schedule, Comptroller's Certificate, Hearing Notice List

Date	Ver.	Action By	Action	Result	Tally
2/28/2012	0	COMMON COUNCIL	ASSIGNED TO		
3/2/2012	0	PUBLIC WORKS COMMITTEE	HEARING NOTICES SENT		
3/5/2012	0	PUBLIC WORKS COMMITTEE	HEARING NOTICES SENT		

Number
111492
Version
ORIGINAL
Reference

Sponsor
ALD. MURPHY

Title
Resolution relative to the cost participation and installation of temporary and permanent traffic control devices in conjunction with Phase 1 Federal and State Aid mitigation construction of the Zoo Interchange Project in the 10th Aldermanic District at a total estimated cost of \$120,000, with one hundred percent of the total cost funded by the Wisconsin Department of Transportation.

Analysis
This resolution authorizes the Commissioner of Public Works and Comptroller to enter into a funding agreement with the Wisconsin Department of Transportation for installation of temporary and permanent traffic control improvements in conjunction with Phase 1 Federal and State Aid mitigation construction as part of the Zoo Interchange Project in the 10th Aldermanic District at a total estimated cost of \$120,000, with one hundred percent of the total cost funded by the Wisconsin Department of Transportation, and to install these improvements upon execution of the agreement. This resolution also authorizes the Comptroller to establish and transfer funds to the appropriate accounts for the project. The total cost of all phases of the Zoo Interchange Project for temporary and permanent street lighting and traffic control devices is \$2,050,000, with one hundred percent of the total cost funded by the Wisconsin Department of Transportation.

Body
Whereas, The Wisconsin Department of Transportation is undertaking the reconstruction of the Zoo Interchange at IH 94, IH 894, and USH 45; and

Whereas, Preliminary engineering work by City of Milwaukee street lighting, traffic signals, and traffic signs staff was

authorized under Common Council File Number 111184; and

Whereas, The Zoo Interchange project provides cost participation for traffic control improvements in conjunction with construction that impacts traffic control signals and signs under the jurisdiction of the City of Milwaukee; and

Whereas, The proposed reconfiguration of freeway ramp terminals, median islands, and right turn lanes will impact existing traffic control signing and signals on West Wisconsin Avenue at North 92nd Street, North 95th Street, and North 97th Street and will require the installation of a temporary traffic control signal at the intersection of West Bluemound Road and North 97th Street; and

Whereas, The total estimated cost of this project is \$120,000 for the installation of temporary and permanent traffic control signals and signs under Phase 1 of the Zoo Interchange project; and

Whereas, One hundred percent of the participating project cost is reimbursable from the Wisconsin Department of Transportation, and should be earmarked for this project in the 2012 Capital Grant and Aids Projects Fund Project Number SP032120100; and

Whereas, The State cannot proceed with any project cost overruns and changes in scope of more than 5% without prior Department of Public Works approval; and

Whereas, The Department of Public Works shall notify the Common Council of the City of Milwaukee at the next scheduled meeting of any such project cost overruns and changes in scope approved by the Department of Public Works; and

Whereas, The Common Council of the City of Milwaukee recognizes that the City may be 100% liable for any such project cost overruns and changes in scope as approved by the Department of Public Works; and

Whereas, The Common Council of the City of Milwaukee recognizes that the City may be liable for any costs incurred by the State should the City decide to withdraw from the project; now, therefore, be it

Resolved, By the Common Council of the City of Milwaukee, that the Commissioner of Public Works and the Comptroller are authorized to enter into a funding agreement and are directed to execute the contract with the Wisconsin Department of Transportation for the installation of traffic control facilities in conjunction with Phase 1 of the Zoo Interchange mitigation construction on West Wisconsin Avenue and West Bluemound Road from North 92nd Street to North 97th Street with unit prices based on a predetermined estimate prepared under the Federal and State aided highway program, a copy of which is attached to this resolution, and is incorporated into this resolution as though set forth in full; and be it

Further Resolved, That upon approval of this contract, that the Commissioner of Public Works is directed to install and modify traffic control facilities in conjunction with Phase 1 of the Zoo Interchange mitigation construction on West Wisconsin Avenue and West Bluemound Road from North 92nd Street to North 97th Street; and, be it

Further Resolved, That upon approval of this contract, the City Comptroller is hereby authorized to create within the Capital Grant and Aid Projects Fund the appropriate Project Chartfield Value for this project; and transfer to these accounts the amount required under the agreement and City accounting policy, but not to exceed a ten percent increase of the total amounts reserved for the grantor's share and local share or \$5,000, whichever is greater as follows:

Location:

Project I.D.-1060-36-95

Zoo Interchange - Phase 1 Signals

Fund Number-0306

Project/Grant Number-SP032120100

\$120,000

Total-\$120,000

Previously Authorized for Traffic Control Improvements-\$0

Current Estimated Cost of the Total Project Including this Resolution-\$2,050,000

Original Estimated Cost of the Total Project - \$2,050,000

Requestor

Department of Public Works

Drafter

Infrastructure Services Division

RWB:clm

February 22, 2012

Title

Zoo Interchange - Phase 1 Signals

AGREEMENT FOR CONSTRUCTION

Local Force Account

Wisconsin Department of Transportation
DT2056 5/2011

Project ID 1060-36-95	Agreement Amount \$120,000	Agreement between WisDOT and Local Governmental Unit – Also must be doing the work <input checked="" type="checkbox"/> Municipality <input checked="" type="checkbox"/> City of Milwaukee <input type="checkbox"/> Village of <input type="checkbox"/> Town of <input type="checkbox"/> County of <input type="checkbox"/> Work on Local Units System (CEF to DTSD Region, Agreement to BPD)
Federal Project ID WISC		
Road Name Zoo Interchange - Phase 1 Signals		
Highway IH 94/894, USH 18/45	County – Where Work Performed Milwaukee	
<input checked="" type="checkbox"/> Work on STH System - SHR Funded (CEF to BHO, Agreement to BHO)		<input type="checkbox"/> Work on Local Units System (CEF to DTSD Region, Agreement to BPD)
<input type="checkbox"/> Work on STH System – Non-SHR Funded (CEF to BHO, Agreement to BHO)		
Type of Work Traffic Signals and Signs		
Approximate Start Work Date September 15, 2012		Approximate Stop Work Date December 31, 2012

This agreement is made and entered into by and between the Wisconsin Department of Transportation, designated the “Department”, and the above-identified county or municipality, designated the “Local Governmental Unit”, represented by its designees for constructing the above-specified project. The Department finds and determines that it is more feasible and advantageous for highway purposes to construct the identified project with the Local Governmental Unit’s organization, forces, and equipment. The Department and Local Governmental Unit mutually agree to the provisions on the attached pages, which are made a part of this agreement.

RECOMMENDED FOR APPROVAL

For County or Municipality

(Name) (Date)

(Title)

For Wisconsin Department of Transportation

(Regional Director) (Date)

Approved for the State of Wisconsin

(Contract Specialist) (Date)

(Director of Project Development) (Date)

(Governor of Wisconsin) (Date)

The Local Governmental Unit agrees to construct the described project in accordance with the requirements of the Department, the approved plans when required for such project, in accordance with the Standard Specifications for Road and Bridge Construction and approved supplements as may be applicable, and in accordance with the special provisions made a part of this agreement. The word "contractor" as used in the specifications and special provisions shall, when applicable, be deemed to mean the Local Governmental Unit.

The provisions of Subsection 108.11 of the Standard Specifications, Liquidated Damages, are deleted from this agreement.

The Local Governmental Unit is authorized by the Department and agrees to provide for the purchase, delivery, and storing of all materials required except those excluded from this agreement, the furnishing or necessary rental of all equipment and small tools, and the furnishing of all labor necessary to expeditiously complete the work, and to pay all costs incurred pursuant to this agreement.

The Department agrees to reimburse the Local Governmental Unit for actual costs of equipment, labor and materials incurred in performing the work up to the agreement amount or as amended by agreement change orders.

The Department agrees to pay to the Local Governmental Unit and the Local Governmental Unit agrees to accept in full, settlement for the work performed under this agreement:

1. The actual cost of labor, at rates currently paid by the Local Governmental Unit for similar work in the area, materials and incidental expense furnished or incurred by the Local Governmental Unit pursuant to this agreement, such payment to be based on a Detailed Statement of Expenditures, submitted monthly with the Monthly Report of Expenditures, or the Final Report of Expenditures upon completion of all work included in the agreement and verified by the Local Governmental Unit and by the Department.
2. The recognized costs incident to the employment of labor under this agreement (such as worker's compensation insurance, unemployment and retirement contributions and time off with pay) computed and requisitioned in accordance with established policy.

3. An allowance for the use of equipment, tools and incidentals for the work under this agreement. Such allowance shall be in accordance with the provisions of, and at the rates either:

- (a) Specified in the Cost Agreement between the Department and the Local Governmental Unit in effect when the work is performed, except for the conditions, changes or additions as listed below, or as may be otherwise provided in the Special Provisions of this agreement; or,
- (b) Specified in the attached Equipment Rate schedule, or as may be otherwise provided in the special provisions of this agreement.

These payments shall be based on a Detailed Statement of Expenditures, submitted monthly with the Monthly Report of Expenditures, or the Final Report of Expenditures upon completion of all work included in the agreement and verified by the Local Governmental Unit and by the Department.

The rates established apply on equipment in good working order. Allowance will be made only for the time during which the equipment is in actual use on the project; no allowance will be made for equipment wholly inadequate or inefficient or in excess of the requirements of the work.

In connection with the performance of work under this agreement, the contractor agrees not to discriminate against any employee or applicant for employment because of age, race, religion, color, handicap, sex, physical condition, developmental disability as defined in s.51.01(5) Wis. Stats., sexual orientation, or national origin. This provision shall include, but not be limited to, the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor further agrees to take affirmative action to ensure equal employment opportunities. The contractor agrees to post in conspicuous places, available for employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of the nondiscrimination clause.

The Local Governmental Unit agrees to furnish, on the Detailed Statement of Expenditures, an accurate distribution of the costs between the various items of work.

The estimated unit costs of materials being used on this agreement are listed as attached.

I GENERAL

1. These contract provisions shall apply to all work performed as part of a LFA contract by the LPA.
2. A breach of any of the stipulations contained in these Required Contract Provisions shall be sufficient grounds for termination of the contract.
3. **Selection of Labor:** During the performance of this contract, the LPA shall not employ convict labor for any purpose within the limits of the project unless it is labor performed by convicts who are on parole, supervised release, or probation.

II NONDISCRIMINATION ASSURANCE

As required by 49 U.S.C. 5332 (which prohibits discrimination on the basis of race, color, creed, national origin, sex, or age, and prohibits discrimination in employment or business opportunity), Title VI of the Civil Rights Act of 1964, as amended, 42 U.S.C. 2000d, and U.S. DOT regulations, "Nondiscrimination in Federally-Assisted Programs of the DOT--Effectuation of Title VI of the Civil Rights Act," 49 CFR part 21 at 21.7, the Applicant assures that it will comply with all requirements of 49 CFR part 21; FHWA policies, and other applicable directives, so that no person in the United States, on the basis of race, color, national origin, creed, sex, or age will be excluded from participation in, be denied the benefits of, or otherwise be subjected to discrimination in any program or activity (particularly in the level and quality of transportation services and transportation-related benefits) for which the Applicant receives Federal assistance awarded by the U.S. DOT or FHWA as follows: (1) The Applicant assures that each project will be conducted, property acquisitions will be undertaken, and project facilities will be operated in accordance with all applicable requirements of 49 U.S.C. 5332 and 49 CFR part 21, and understands that this assurance extends to its entire facility and to facilities operated in connection with the project. (2) The Applicant assures that it will take appropriate action to ensure that any transferee receiving property financed with Federal assistance derived from FHWA will comply with the applicable requirements of 49 U.S.C. 5332 and 49 CFR part 21. (3) The Applicant assures that it will promptly take the necessary actions to effectuate this assurance, including notifying the public that complaints of discrimination in the provision of transportation-related services or benefits may be **FILED** with U.S. DOT or FHWA. Upon request by U.S. DOT or FHWA, the Applicant assures that it will submit the required information pertaining to its compliance with these requirements. (4) The Applicant assures that it will make any changes in its 49 U.S.C. 5332 and Title VI implementing procedures as U.S. DOT or FHWA may request. (5) As required by 49 CFR 21.7(a)(2), the Applicant will include in each third party contract or sub agreement provisions to invoke the requirements of 49 U.S.C. 5332 and 49 CFR part 21, and include provisions to invoke those requirements in deeds and instruments recording the transfer of real property, structures, improvements.

III ASSURANCE OF NONDISCRIMINATION ON THE BASIS OF DISABILITY

As required by U.S. DOT regulations, "Nondiscrimination on the Basis of Handicap in Programs and Activities Receiving or Benefiting from Federal Financial Assistance," at 49 CFR part 27, implementing the Rehabilitation Act of 1973, as amended, and the Americans with Disabilities Act of 1990, as amended, the Applicant assures that, as a condition to the approval or extension of any Federal assistance awarded by FHWA to construct any facility, obtain any rolling stock or other equipment, undertake studies, conduct research, or to participate in or obtain any benefit from any program administered by FHWA, no otherwise qualified person with a disability shall be, solely by reason of that disability, excluded from participation in, denied the benefits of, or otherwise subjected to discrimination in any program or activity receiving or benefiting from Federal assistance administered by the FHWA or any entity within U.S. DOT. The Applicant assures that project implementation and operations so assisted will comply with all applicable requirements of U.S. DOT regulations implementing the Rehabilitation Act of 1973, as amended, 29 U.S.C. 794, and the ADA of 1990, as amended, 42 U.S.C. 12101 et seq. at 49 CFR parts 27, 37, and 38, and any applicable regulations and directives issued by other Federal departments or agencies.

IV SAFETY: ACCIDENT PREVENTION

1. In the performance of this contract the LPA shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR 635). The LPA shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the SHA contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract.
2. It is a condition of this contract that the LPA shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and health standards (29 CFR 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 333).
3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 333).

V FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, LPA's, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, the following notice shall be posted on each Federal-aid highway project (23 CFR 635) in one or more places where it is readily available to all persons concerned with the project:

NOTICE TO ALL PERSONNEL ENGAGED ON FEDERAL-AID HIGHWAY PROJECTS

18 U.S.C. 1020 reads as follows:

"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 1, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined not more than \$10,000 or imprisoned not more than 5 years or both."

VI BUY AMERICA

All steel and iron materials permanently incorporated in this project shall be domestic products and all manufacturing and coating processes for these materials must have occurred within the United States. Coating includes epoxy coating, galvanizing, painting and any other coating that protects or enhances the value of a material subject to the requirements of Buy America. The exemption of this requirement is the minimal use of foreign materials if the total cost of such material permanently incorporated in the product does not exceed one-tenth of one percent (1/10 of 1%) of the total contract cost or \$2,500.00, whichever is greater. For purposes of this paragraph, the cost is that shown to be the value of the subject products as they are delivered to the project.

VII PROHIBITION AGAINST CONVICT PRODUCED MATERIALS (23 CFR 635.417)

No materials produced by convict labor (unless produced by convicts who are on parole, supervised release, or probation from a prison) may be incorporated into any project located on the Federal-aid highway system. This prohibition does not apply to projects on roads that are functionally classified as local or rural minor collectors.

VIII PURCHASE OF MATERIALS

LPA's are required to use fair and open competition in obtaining articles and materials used in this project. They may not use any requirements, preferences, or procurement methods that exclude out-of-State participation or that unfairly favor in-State sources.

IX REQUIREMENT FOR AND ACCESS TO RECORDS

LPA's must maintain, for at least three years following final payment, complete project records. This includes the thorough documentation of the basis for payment (actual costs of labor, equipment and materials) as well as documentation prescribed in the WisDOT CMM. In addition LPA's shall make all such records fully available to WisDOT, the Federal Highway Administration, the U.S. Comptroller General, and their authorized representatives. Records must also be available for public access consistent with the FOIA and State and local law.

City of Milwaukee Lighting & Signals Schedule

DRAFT
2/14/2012

Lighting

Roadway	Limits	LFA ID	Orig. budget	60% Design	Draft PS&E	LFA PS&E due date	Final PS&E	FHWA Ad Meeting	LET	Start Construction	Comments			
95th St	Bluemound Rd - Wisc. Temp TMP	1060-36-90 Phase 1 Lighting	\$50,000	11/7/2011	1/17/2012	3/16/2012	4/17/2012	5/29/2012	7/10/2012	9/4/2012	Schedule 3/25/12			
Wisconsin Ave	92nd St - 95th St - Temp TMP			11/7/2011	1/17/2012	3/16/2012	4/17/2012	5/29/2012	7/10/2012	9/4/2012				
84th St	IH-94 - Bluemound Rd	1060-36-91 Phase 2 Lighting	*	3/1/2012	9/1/2012	10/1/2012	11/1/2012	2/26/2013	4/9/2013	6/1/2013	Schedule 10/25/12			
76th St	Kearney St - O'Connor St	1060-36-92 Phase 3 Lighting	*	3/1/2012	2/1/2013	3/1/2013	5/1/2013	7/30/2013	9/10/2013	12/1/2013	Schedule 3/25/13			
Ped Bridge	73rd ST	1060-36-93 Phase 4 Lighting	*	11/1/2012	2/1/2014	3/1/2014	5/1/2014	7/29/2014	9/9/2014	11/1/2014	Schedule 3/25/14			
Wisconsin Ave	92nd St - 95th St			11/1/2012	2/1/2014	3/1/2014	5/1/2014	7/29/2014	9/9/2014	11/1/2014				
92nd St	Adler St - Dixon St			11/1/2012	2/1/2014	3/1/2014	5/1/2014	7/29/2014	9/9/2014	11/1/2014				
Bluemound Rd	93rd St - 99th St			11/1/2012	2/1/2014	3/1/2014	5/1/2014	7/29/2014	9/9/2014	11/1/2014				
Chester St	Dana St - 92nd St			11/1/2012	2/1/2014	3/1/2014	5/1/2014	7/29/2014	9/9/2014	11/1/2014				
O'Connor St	Honey Creek Dr - 84th St			11/1/2012	2/1/2014	3/1/2014	5/1/2014	7/29/2014	9/9/2014	11/1/2014				
Adler St	84th St - 95th St			11/1/2012	2/1/2014	3/1/2014	5/1/2014	7/29/2014	9/9/2014	11/1/2014				
Kearney St	76th St - 84th St			11/1/2012	2/1/2014	3/1/2014	5/1/2014	7/29/2014	9/9/2014	11/1/2014				
84th St	Adler St - Honey Creek Pkwy			1060-36-94 Phase 5 Lighting	*	11/1/2012	2/1/2017	3/1/2017	5/1/2017	8/1/2017		9/12/2017	11/1/2017	Schedule 3/25/17

\$1,000,000

Signals/Signs

Roadway	Intersection	LFA ID	Orig. Budget	60% Design	Draft PS&E	LFA PS&E due date	Final PS&E	FHWA Ad Meeting	LET	Start Construction	Comments
Wisconsin Ave.	US 45 SB Exit Ramp	1060-36-95 Phase 1 Signals	\$120,000	11/7/2011	1/17/2012	3/16/2012	4/17/2012	5/29/2012	7/10/2012	9/4/2012	Schedule 3/25/12
Wisconsin Ave.	95th St. - Temp TMP			11/7/2011	1/17/2012	3/16/2012	4/17/2012	5/29/2012	7/10/2012	9/4/2012	
Wisconsin Ave.	92nd St. - Temp TMP			11/7/2011	1/17/2012	3/16/2012	4/17/2012	5/29/2012	7/10/2012	9/4/2012	
Bluemound Rd.	97th St. - Temp TMP			11/7/2011	1/17/2012	3/16/2012	4/17/2012	5/29/2012	7/10/2012	9/4/2012	
Bluemound Rd.	Glenview Rd	1060-36-96 Phase 2 Signals	\$80,000	12/1/2011	9/1/2012	10/1/2012	11/1/2012	1/29/2013	3/12/2013	5/13/2013	Schedule 10/25/12
76th St.	O'Conner	1060-36-97 Phase 3 Signals	\$50,000	3/1/2012	2/1/2013	3/1/2013	5/1/2013	7/30/2013	9/10/2013	12/1/2013	Schedule 3/25/13
76th St.	Kearney			3/1/2012	2/1/2013	3/1/2013	5/1/2013	7/30/2013	9/10/2013	12/1/2013	
Wisconsin Ave.	95th St.	1060-36-98 Phase 4 Signals	\$400,000	11/1/2012	2/1/2014	3/1/2014	5/1/2014	7/29/2014	9/9/2014	11/1/2014	Schedule 3/25/14
Bluemound Rd.	95th St.			11/1/2012	2/1/2014	3/1/2014	5/1/2014	7/29/2014	9/9/2014	11/1/2014	
Bluemound Rd.	US 45 SB Ramps			11/1/2012	2/1/2014	3/1/2014	5/1/2014	7/29/2014	9/9/2014	11/1/2014	
Bluemound Rd.	US 45 NB Ramps			11/1/2012	2/1/2014	3/1/2014	5/1/2014	7/29/2014	9/9/2014	11/1/2014	
84th St.	IH 94 WB Exit Ramp	1060-36-99 Phase 5 Signals	\$200,000	11/1/2012	2/1/2014	3/1/2017	5/1/2017	8/1/2017	9/12/2017	11/1/2017	Schedule 3/25/17
84th St.	IH 94 EB Exit Ramp			11/1/2012	2/1/2014	3/1/2017	5/1/2017	8/1/2017	9/12/2017	11/1/2017	

\$850,000

LFA Design Engineering for lighting and signals

				Res to CC	CC cycle	cc approval	City signed WO	State signed WO			
LFA Design Engineering	0696-20-13 WO # 4	1060-33-14	\$50,000	12/2/12	12/20/11 - 1/18/12	1/18/12	2/8/12	2/13/12	n/a	n/a	should cover phase 1&2 lighting/signals design
	0696-20-13 WO #	1060-33-14	\$50,000						n/a	n/a	
	0696-20-13 WO #	1060-33-14	\$50,000						n/a	n/a	
	0696-20-13 WO #	1060-33-14	\$50,000						n/a	n/a	

\$200,000

Supervisor: Wafa Elqaq
Project Manager: Josh Ieveque
LFA Coordinator: Sandy Ratz

* waiting for new cost estimates from Tom Manzke

City of Milwaukee Lighting & Signals Schedule

DRAFT
12/8/2011

Lighting

Roadway	Limits	LFA ID	Orig. budget						
95th St	Bluemound Rd - Wisconsin Ave	Phase 1 Lighting 1060-36-90 Schedule 2/25/12 FY 2012	\$250,000						
Wisconsin Ave	92nd St - 95th St - TMP								
84th St	IH-94 - Bluemound Rd								
76th St	Kearney St - O'Connor St								
Ped Bridge	73rd ST	Phase 2 Lighting 1060-36-91 Schedule 5/25/14 FY 2014	\$750,000						
Wisconsin Ave	92nd St - 95th St								
92nd St	Adler St - Dixon St								
Bluemound Rd	93rd St - 99th St								
Chester St	Dana St - 92nd St								
O'Connor St	Honey Creek Dr - 84th St								
Adler St	84th St - 95th St								
Kearney St	76th St - 84th St								
84th St	Adler St - Honey Creek Pkwy								

Signals/Signs

Roadway	Intersection	LFA ID	Orig. Budget						
Wisconsin Ave.	US 45 SB Exit Ramp	Phase 1 Signals 1060-36-92 Schedule 2/25/12 FY 2012	\$200,000						
Wisconsin Ave.	95th St. - TMP								
Wisconsin Ave.	92nd St. - TMP								
Bluemound Rd.	Glenview Rd								
76th St.	O'Conner								
76th St.	Kearney								
Wisconsin Ave.	95th St.	Phase 2 Signals 1060-36-93 Schedule 5/25/14 FY 2014	\$400,000						
Bluemound Rd.	95th St.								
Bluemound Rd.	US 45 SB Ramps								
Bluemound Rd.	US 45 NB Ramps								
84th St.	IH 94 WB Exit Ramp	Phase 3 Signals 1060-36-94 Schedule 5/25/17 FY 2017	\$250,000						
84th St.	IH 94 EB Exit Ramp								

Design Engineering

LFA Design Engineering	Project wide - lighting/signals/signs	1060-36-95	\$200,000						
		0696-20-13 WO # 1	(50,000)						
		0696-20-13 WO # 2							

LFA design engineering costs will be paid thru WO's tied to the City of Milwaukee's Design Master Contract 0696-20-13 (First WO for \$50,000)

Supervisor: Wafa Elqaaq
Project Manager: Josh Ieveque
LFA Coordinator: Sandy Ratz

**Capital Grant Resolution Certification from the
Comptroller's Office**

The Comptroller's Office has reviewed Common Council Resolution File No. _____ for cost participation and installation of temporary and permanent traffic control devices in conjunction with Phase I of the Federal and State aided construction of the Zoo Interchange project (City Share \$0; Grantor Share \$120,000.00) and approved the resolution as to:

- Sufficiency of funds
- Funding sources (per estimated **grant funding agreement**)
- Sufficiency of reporting for purposes of internal auditing

The following deficiencies were noted:

The resolution should be corrected and returned to the Comptroller's Office for review.

Signature: *C. W. [Signature]*

Date: 2-22-12

1060-36-95 Zoo Interchange Phase I Signals (City Share \$0; Grantor Share \$120,000.00)



Legislation Details (With Text)

File #: 111498 **Version:** 0

Type: Resolution **Status:** In Committee

File created: 2/28/2012 **In control:** PUBLIC WORKS COMMITTEE

On agenda: **Final action:**

Effective date:

Title: Resolution relative to the cost participation and installation of temporary and permanent street lighting facilities in conjunction with Phase 1 Federal and State Aid mitigation construction of the Zoo Interchange Project in the 10th Aldermanic District at a total estimated cost of \$51,205.58, with one hundred percent of the total cost funded by the Wisconsin Department of Transportation.

Sponsors: ALD. MURPHY

Indexes: STREET IMPROVEMENTS, STREET LIGHTING, WISCONSIN DEPARTMENT OF TRANSPORTATION

Attachments: Agreement, Cost Analysis of 95th and Wisconsin, Lighting & Signal Schedule, Comptroller's Certificate, Cost Analysis of 104th and 106th Bluemound Road.pdf, Hearing Notice List

Date	Ver.	Action By	Action	Result	Tally
2/28/2012	0	COMMON COUNCIL	ASSIGNED TO		
3/2/2012	0	PUBLIC WORKS COMMITTEE	HEARING NOTICES SENT		
3/5/2012	0	PUBLIC WORKS COMMITTEE	HEARING NOTICES SENT		

Number
111498
Version
ORIGINAL
Reference

Sponsor
Ald. Murphy
Title

Resolution relative to the cost participation and installation of temporary and permanent street lighting facilities in conjunction with Phase 1 Federal and State Aid mitigation construction of the Zoo Interchange Project in the 10th Aldermanic District at a total estimated cost of \$51,205.58, with one hundred percent of the total cost funded by the Wisconsin Department of Transportation.

Analysis

This resolution authorizes the Commissioner of Public Works and Comptroller to enter into a funding agreement with the Wisconsin Department of Transportation for installation of temporary and permanent street lighting improvements in conjunction with Phase 1 Federal and State Aid mitigation construction as part of the Zoo Interchange Project in the 10th Aldermanic District at a total estimated cost of \$51,205.58, with one hundred percent of the total cost funded by the Wisconsin Department of Transportation, and to install these improvements upon execution of the agreement. This resolution also authorizes the Comptroller to establish and transfer funds to the appropriate accounts for the project. The total estimated street lighting cost included in the entire project is \$1,000,000.00 with one hundred percent of the total cost funded by the Wisconsin Department of Transportation.

Body

Whereas, The Wisconsin Department of Transportation is undertaking the reconstruction of the Zoo Interchange at IH 94, IH 894, and USH 45; and

Whereas, Preliminary engineering work by City of Milwaukee street lighting, traffic signals, and traffic signs staff was authorized under Common Council File Number 111184; and

Whereas, The Zoo Interchange project provides cost participation for street lighting improvements in conjunction with construction that impacts street lighting facilities under the jurisdiction of the City of Milwaukee; and

Whereas, The proposed reconfiguration of freeway ramp terminals, median islands, and right turn lanes will impact existing street lighting facilities on West Wisconsin Avenue from North 94th Street, to North 95th Street, on north 95th Street from West Wisconsin Avenue, North 97th Street from West Wisconsin Avenue to a point 450 feet south West Bluemound Road from North 97th Street to North 98th Street, West Bluemound Road from North 102th Street to North 106th Street and adjoining streets and will require the installation of temporary street lighting, installation of permanent street lighting facilities and removal of temporary facilities in the area around the intersection of West Bluemound Road and North 97th Street and on West Bluemound Road from North 102nd Street to North 106th Street; and

Whereas, The total estimated cost of this project is \$51,205.58 for the installation of temporary street lighting, installation of permanent street lighting and the removal of temporary street lighting under Phase 1 of the Zoo Interchange project; and

Whereas, One hundred percent of the participating project cost is reimbursable from the Wisconsin Department of Transportation, and should be earmarked for this project in the 2012 Capital Grant and Aids Projects Fund Project Number SP032120100; and

Whereas, The State cannot proceed with any project cost overruns and changes in scope of more than 5% without prior Department of Public Works approval; and

Whereas, The Department of Public Works shall notify the Common Council of the City of Milwaukee at the next scheduled meeting of any such project cost overruns and changes in scope approved by the Department of Public Works; and

Whereas, The Common Council of the City of Milwaukee recognizes that the City may be 100% liable for any such project cost overruns and changes in scope as approved by the Department of Public Works; and

Whereas, The Common Council of the City of Milwaukee recognizes that the City may be liable for any costs incurred by the State should the City decide to withdraw from the project; now, therefore, be it

Resolved, By the Common Council of the City of Milwaukee, that the Commissioner of Public Works and the Comptroller are authorized to enter into a funding agreement and are directed to execute the contract with, the Wisconsin Department of Transportation for the installation of street lighting facilities in conjunction with Phase 1 of the Zoo Interchange mitigation construction on West Wisconsin Avenue and West Bluemound Road from North 92nd Street to North 97th and on West Bluemound Road from North 102nd Street to North 106th Street with unit prices based on a predetermined estimate prepared under the Federal and State aided highway program, a copy of which is attached to this resolution, and is incorporated into this resolution as though set forth in full; and be it

Further Resolved, That upon approval of this contract, that the Commissioner of Public Works is directed to install and modify traffic control facilities in conjunction with Phase 1 of the Zoo Interchange mitigation construction on West Wisconsin Avenue and West Bluemound Road from North 92nd Street to North 97th Street and on West Bluemound Road from North 102nd Street to North 106th Street; and, be it

Further Resolved, That upon approval of this contract, the City Comptroller is hereby authorized to create within the Capital Grant and Aid Projects Fund the appropriate Project Chartfield Value for this project; and transfer to these accounts the amount required under the agreement and City accounting policy, but not to exceed a ten percent increase of the total amounts reserved for the grantor's share and local share or \$5,000, whichever is greater as follows:

Location:
Project I.D.-1060-36-90

Zoo Interchange - Phase 1 Street Lighting

Fund Number-0306

Project - Grant Number-SP032120100

\$51,205.58

Total-\$51,205.58

Previously Authorized for Street Lighting Improvements-\$0

Current Estimated Cost of the Total Project Including this Resolution-\$1,000,000.00

Original Estimated Cost of the Total Project - \$1,000,000.00

Requestor

Department of Public Works

Drafter

Infrastructure Services Division

RWB:Mk.

February 22, 2012

Title

Zoo Interchange Phase 1 Street Lighting

AGREEMENT FOR CONSTRUCTION

Local Force Account

Wisconsin Department of Transportation
DT2056 5/2011

Project ID 1060-36-90	Agreement Amount \$51,205.58	Agreement between WisDOT and Local Governmental Unit – Also must be doing the work <input checked="" type="checkbox"/> Municipality <input checked="" type="checkbox"/> City of Milwaukee <input type="checkbox"/> Village of <input type="checkbox"/> Town of
Federal Project ID WISC		
Road Name West Bluemound Road from North 102nd Street to North 106th Street, West Bluemound Road from North 97th Street to North 98th Street, West Wisconsin Avenue from North 95th Street to North 94th Street and North 95th Street from West Wisconsin Avenue to a point approximately 450 feet south of West Wisconsin Avenue and adjoining streets		
Highway IH 94, USH 18/45 and IH 894	County – Where Work Performed Milwaukee	<input type="checkbox"/> County of
<input type="checkbox"/> Work on STH System - SHR Funded (CEF to BHO, Agreement to BHO)		<input checked="" type="checkbox"/> Work on Local Units System (CEF to DTSD Region, Agreement to BPD)
<input type="checkbox"/> Work on STH System – Non-SHR Funded (CEF to BHO, Agreement to BHO)		
Type of Work Install interim Street Lighting, Installation of Permanent Street Lighting, Removal of interim Street Lighting		
Approximate Start Work Date June 1, 2012		Approximate Stop Work Date December 31, 2014

This agreement is made and entered into by and between the Wisconsin Department of Transportation, designated the "Department", and the above-identified county or municipality, designated the "Local Governmental Unit", represented by its designees for constructing the above-specified project. The Department finds and determines that it is more feasible and advantageous for highway purposes to construct the identified project with the Local Governmental Unit's organization, forces, and equipment. The Department and Local Governmental Unit mutually agree to the provisions on the attached pages, which are made a part of this agreement.

RECOMMENDED FOR APPROVAL

For County or Municipality

For Wisconsin Department of Transportation

(Name) (Date)

(Regional Director) (Date)

(Title)

(Name) (Date)

(Title)

Approved for the State of Wisconsin

(Name) (Date)

(Contract Specialist) (Date)

(Title)

(Name) (Date)

(Director of Project Development) (Date)

(Title)

(Governor of Wisconsin) (Date)

The Local Governmental Unit agrees to construct the described project in accordance with the requirements of the Department, the approved plans when required for such project, in accordance with the Standard Specifications for Road and Bridge Construction and approved supplements as may be applicable, and in accordance with the special provisions made a part of this agreement. The word "contractor" as used in the specifications and special provisions shall, when applicable, be deemed to mean the Local Governmental Unit.

The provisions of Subsection 108.11 of the Standard Specifications, Liquidated Damages, are deleted from this agreement.

The Local Governmental Unit is authorized by the Department and agrees to provide for the purchase, delivery, and storing of all materials required except those excluded from this agreement, the furnishing or necessary rental of all equipment and small tools, and the furnishing of all labor necessary to expeditiously complete the work, and to pay all costs incurred pursuant to this agreement.

The Department agrees to reimburse the Local Governmental Unit for actual costs of equipment, labor and materials incurred in performing the work up to the agreement amount or as amended by agreement change orders.

The Department agrees to pay to the Local Governmental Unit and the Local Governmental Unit agrees to accept in full, settlement for the work performed under this agreement:

1. The actual cost of labor, at rates currently paid by the Local Governmental Unit for similar work in the area, materials and incidental expense furnished or incurred by the Local Governmental Unit pursuant to this agreement, such payment to be based on a Detailed Statement of Expenditures, submitted monthly with the Monthly Report of Expenditures, or the Final Report of Expenditures upon completion of all work included in the agreement and verified by the Local Governmental Unit and by the Department.
2. The recognized costs incident to the employment of labor under this agreement (such as worker's compensation insurance, unemployment and retirement contributions and time off with pay) computed and requisitioned in accordance with established policy.

3. An allowance for the use of equipment, tools and incidentals for the work under this agreement. Such allowance shall be in accordance with the provisions of, and at the rates either:

- (a) Specified in the Cost Agreement between the Department and the Local Governmental Unit in effect when the work is performed, except for the conditions, changes or additions as listed below, or as may be otherwise provided in the Special Provisions of this agreement; or,
- (b) Specified in the attached Equipment Rate schedule, or as may be otherwise provided in the special provisions of this agreement.

These payments shall be based on a Detailed Statement of Expenditures, submitted monthly with the Monthly Report of Expenditures, or the Final Report of Expenditures upon completion of all work included in the agreement and verified by the Local Governmental Unit and by the Department.

The rates established apply on equipment in good working order. Allowance will be made only for the time during which the equipment is in actual use on the project; no allowance will be made for equipment wholly inadequate or inefficient or in excess of the requirements of the work.

In connection with the performance of work under this agreement, the contractor agrees not to discriminate against any employee or applicant for employment because of age, race, religion, color, handicap, sex, physical condition, developmental disability as defined in s.51.01(5) Wis. Stats., sexual orientation, or national origin. This provision shall include, but not be limited to, the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor further agrees to take affirmative action to ensure equal employment opportunities. The contractor agrees to post in conspicuous places, available for employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of the nondiscrimination clause.

The Local Governmental Unit agrees to furnish, on the Detailed Statement of Expenditures, an accurate distribution of the costs between the various items of work.

The estimated unit costs of materials being used on this agreement are listed as attached.

I GENERAL

1. These contract provisions shall apply to all work performed as part of a LFA contract by the LPA.
2. A breach of any of the stipulations contained in these Required Contract Provisions shall be sufficient grounds for termination of the contract.
3. **Selection of Labor:** During the performance of this contract, the LPA shall not employ convict labor for any purpose within the limits of the project unless it is labor performed by convicts who are on parole, supervised release, or probation.

II NONDISCRIMINATION ASSURANCE

As required by 49 U.S.C. 5332 (which prohibits discrimination on the basis of race, color, creed, national origin, sex, or age, and prohibits discrimination in employment or business opportunity), Title VI of the Civil Rights Act of 1964, as amended, 42 U.S.C. 2000d, and U.S. DOT regulations, "Nondiscrimination in Federally-Assisted Programs of the DOT--Effectuation of Title VI of the Civil Rights Act," 49 CFR part 21 at 21.7, the Applicant assures that it will comply with all requirements of 49 CFR part 21; FHWA policies, and other applicable directives, so that no person in the United States, on the basis of race, color, national origin, creed, sex, or age will be excluded from participation in, be denied the benefits of, or otherwise be subjected to discrimination in any program or activity (particularly in the level and quality of transportation services and transportation-related benefits) for which the Applicant receives Federal assistance awarded by the U.S. DOT or FHWA as follows: (1) The Applicant assures that each project will be conducted, property acquisitions will be undertaken, and project facilities will be operated in accordance with all applicable requirements of 49 U.S.C. 5332 and 49 CFR part 21, and understands that this assurance extends to its entire facility and to facilities operated in connection with the project. (2) The Applicant assures that it will take appropriate action to ensure that any transferee receiving property financed with Federal assistance derived from FHWA will comply with the applicable requirements of 49 U.S.C. 5332 and 49 CFR part 21. (3) The Applicant assures that it will promptly take the necessary actions to effectuate this assurance, including notifying the public that complaints of discrimination in the provision of transportation-related services or benefits may be **FILED** with U.S. DOT or FHWA. Upon request by U.S. DOT or FHWA, the Applicant assures that it will submit the required information pertaining to its compliance with these requirements. (4) The Applicant assures that it will make any changes in its 49 U.S.C. 5332 and Title VI implementing procedures as U.S. DOT or FHWA may request. (5) As required by 49 CFR 21.7(a)(2), the Applicant will include in each third party contract or sub agreement provisions to invoke the requirements of 49 U.S.C. 5332 and 49 CFR part 21, and include provisions to invoke those requirements in deeds and instruments recording the transfer of real property, structures, improvements.

III ASSURANCE OF NONDISCRIMINATION ON THE BASIS OF DISABILITY

As required by U.S. DOT regulations, "Nondiscrimination on the Basis of Handicap in Programs and Activities Receiving or Benefiting from Federal Financial Assistance," at 49 CFR part 27, implementing the Rehabilitation Act of 1973, as amended, and the Americans with Disabilities Act of 1990, as amended, the Applicant assures that, as a condition to the approval or extension of any Federal assistance awarded by FHWA to construct any facility, obtain any rolling stock or other equipment, undertake studies, conduct research, or to participate in or obtain any benefit from any program administered by FHWA, no otherwise qualified person with a disability shall be, solely by reason of that disability, excluded from participation in, denied the benefits of, or otherwise subjected to discrimination in any program or activity receiving or benefiting from Federal assistance administered by the FHWA or any entity within U.S. DOT. The Applicant assures that project implementation and operations so assisted will comply with all applicable requirements of U.S. DOT regulations implementing the Rehabilitation Act of 1973, as amended, 29 U.S.C. 794, and the ADA of 1990, as amended, 42 U.S.C. 12101 et seq. at 49 CFR parts 27, 37, and 38, and any applicable regulations and directives issued by other Federal departments or agencies.

IV SAFETY: ACCIDENT PREVENTION

1. In the performance of this contract the LPA shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR 635). The LPA shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the SHA contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract.
2. It is a condition of this contract that the LPA shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and health standards (29 CFR 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 333).
3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 333).

V FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, LPA's, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, the following notice shall be posted on each Federal-aid highway project (23 CFR 635) in one or more places where it is readily available to all persons concerned with the project:

NOTICE TO ALL PERSONNEL ENGAGED ON FEDERAL-AID HIGHWAY PROJECTS

18 U.S.C. 1020 reads as follows:

"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 1, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined not more than \$10,000 or imprisoned not more than 5 years or both."

VI BUY AMERICA

All steel and iron materials permanently incorporated in this project shall be domestic products and all manufacturing and coating processes for these materials must have occurred within the United States. Coating includes epoxy coating, galvanizing, painting and any other coating that protects or enhances the value of a material subject to the requirements of Buy America. The exemption of this requirement is the minimal use of foreign materials if the total cost of such material permanently incorporated in the product does not exceed one-tenth of one percent (1/10 of 1%) of the total contract cost or \$2,500.00, whichever is greater. For purposes of this paragraph, the cost is that shown to be the value of the subject products as they are delivered to the project.

VII PROHIBITION AGAINST CONVICT PRODUCED MATERIALS (23 CFR 635.417)

No materials produced by convict labor (unless produced by convicts who are on parole, supervised release, or probation from a prison) may be incorporated into any project located on the Federal-aid highway system. This prohibition does not apply to projects on roads that are functionally classified as local or rural minor collectors.

VIII PURCHASE OF MATERIALS

LPA's are required to use fair and open competition in obtaining articles and materials used in this project. They may not use any requirements, preferences, or procurement methods that exclude out-of-State participation or that unfairly favor in-State sources.

IX REQUIREMENT FOR AND ACCESS TO RECORDS

LPA's must maintain, for at least three years following final payment, complete project records. This includes the thorough documentation of the basis for payment (actual costs of labor, equipment and materials) as well as documentation prescribed in the WisDOT CMM. In addition LPA's shall make all such records fully available to WisDOT, the Federal Highway Administration, the U.S. Comptroller General, and their authorized representatives. Records must also be available for public access consistent with the FOIA and State and local law.

PROJECT UNIT COST ANALYSIS
North 95th Street and West Wisconsin Avenue Area

ESTIMATE OF QUANTITIES

PROJECT ID

1060-36-90

Zoo Interchange

MILWAUKEE COUNTY

Item No.	Description	Unit	Quantity	Excluded Costs	City Unit	City Total
90005-2	2.5" PVC CONDUIT (HOLE HOG)	LF	500	\$ 592.85	\$ 7.96	\$ 3,977.72
90005-7	METAL PEDESTAL CABINET	EACH	9	\$ 332.19	\$ 110.54	\$ 994.89
90005-8	13"X24"X18" RECTANGULAR VAULT & COVER	EACH	4	\$ 1,015.38	\$ 391.24	\$ 1,564.95
90005-10	3#2/1#8 LTP UNDERGROUND CABLE	LF	250	\$ 1,016.82	\$ 6.29	\$ 1,572.68
90005-12	3#6/1#8 LTP UNDERGROUND CABLE	LF	400	\$ 777.38	\$ 4.17	\$ 1,666.75
90005-21	3#6 ALUMINUM TRIPLEX WIRE OVERHEAD WIRE	LF	800	\$ 609.06	\$ 1.74	\$ 1,394.48
90005-23	REMOVE OVERHEAD LINE WIRE	LF	800	\$ 53.04	\$ 1.05	\$ 838.46
90005-24	INSTALL WOOD POLE (35',40', & 45) WITH GROUND ROD & BARE #6 WIRE	EACH	1	\$ 47.98	\$ 544.41	\$ 544.41
90005-26	INSTALL A26 CONCRETE POLE (GRAY) INCLUDES RISER CABLE	EACH	1	\$ 767.76	\$ 1,033.30	\$ 1,033.30
90005-27	INSTALL A31 CONCRETE POLE (GRAY) INCLUDES RISER CABLE	EACH	3	\$ 2,578.54	\$ 1,125.03	\$ 3,375.09
90005-56	INSTALL A31 MOUNTING CLAMP DOUBLE BRACKET	EACH	3	\$ 147.79	\$ 73.81	\$ 221.43
90005-57	INSTALL A21-A26 MOUNTING CLAMP SINGLE BRACKET	EACH	1	\$ 35.59	\$ 60.15	\$ 60.15
90005-75	INSTALL 150W/240V COBRA FIXTURE & 150 WATT HIGH PRESSURE SODIUM LAMP	EACH	1	\$ 114.51	\$ 188.15	\$ 188.15
90005-109	REMOVAL OF PRIMARY / SECONDARY RISER	EACH	4	\$ 26.52	\$ 104.81	\$ 419.23
90005-110	BREAK OUT CONCRETE WALK	SQ.FT.	50	\$ 69.27	\$ 10.85	\$ 542.72
90005-111	SAW CUT CONCRETE	LIN.FT.	100	\$ 138.53	\$ 10.07	\$ 1,007.00
90005-112	CONCRETE RESTORATION (5" DEPTH)	SQ.FT.	50	\$ 96.23	\$ 23.56	\$ 1,177.78

TOTAL CITY COST \$23,243.35

TOTAL EXCLUDED COSTS \$9,519.73

APPROVED BY:

ROBERT W. BRYSON
CHIEF TRAFFIC AND LIGHTING ENGINEER

TRANSPORTATION SECTION
TRAFFIC AND LIGHTING DESIGN UNIT

Thomas Manzke
REVISED:

** Please note that the Total City Cost includes the embedded costs of mobilization and traffic control which are included in the times used for calculating City Unit Costs on the attached worksheets.

* These items are unique and have no comparable standard bid item equivalent. Therefore, they are not included in the comparison to bid cost.

CONDUCT, PEDESTAL, & VAULTS
CABLE
POLES & CONCRETE BASES
BRACKETS, CLAMPS, & CROSS ARM
FIXTURES
BALLASTS, SPLICES, & RISERS
CONCRETE WORK & SERVICE CABINETS

Project ID 1060-36-90
Highway Zoo Interchange

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-1 Item: 2.5" PVC CONDUIT (ACROSS DRIVEWAY)						
Quantity: LF Unit: LF						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Dump Truck (Med. & Lrg.)	0.100		\$5.77	\$	-
	Compressors	0.100		\$1.04	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Laborer Electrical Services	0.100		\$19.37	\$	-
	Laborer Electrical Services	0.100		\$19.37	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	Item	Amount	Price	Total		
	2.5" PVC Conduit		\$0.50	\$	-	
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-2 Item: 2.5" PVC CONDUIT (HOLE HOG)						
Quantity: 500 Unit: LF						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Dump Truck (Med. & Lrg.)	0.093	46.500	\$5.77	\$	268.31
	Compressors	0.093	46.500	\$1.04	\$	48.36
					Total Machinery Charges	\$ 316.67
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Laborer Electrical Services	0.093	46.500	\$19.37	\$	900.71
	Laborer Electrical Services	0.093	46.500	\$19.37	\$	900.71
					Sub-Total Labor Cost	\$ 1,801.42
					Fringe Benefit Rate @ 91.84%	\$ 1,583.45
					Total Labor Cost	\$ 3,384.87
Material Costs:	Item	Amount	Price	Total		
	2.5" PVC Conduit	500	\$0.50	\$	250.75	
					Sub-Total Material Cost	\$ 250.75
					Indirect Cost Factor @ 12.21%	\$ 25.43
					Total Material Cost	\$ 276.18
					TOTAL COST	\$ 3,977.72
					Total Cost Per Unit	\$ 7.96
					Total Excluded Cost	\$ 592.85

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-3 Item: 2.5" PVC CONDUIT (BASE IS REMOVED)						
Quantity: Unit: LF						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Dump Truck (Med. & Lrg.)	0.107		\$5.77	\$	-
	Compressors	0.107		\$1.04	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Laborer Electrical Services	0.107		\$19.37	\$	-
	Laborer Electrical Services	0.107		\$19.37	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	<u>Item</u>	<u>Amount</u>		<u>Price</u>	<u>Total</u>	
	2.5" PVC Conduit			\$0.50	\$	-
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	-
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$	-

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-4 Item: 2.5" PVC CONDUIT (BASE NOT REMOVED)						
Quantity: Unit: LF						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Dump Truck (Med. & Lrg.)	0.160		\$5.77	\$	-
	Compressors	0.160		\$1.04	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	0.160		\$31.05	\$	-
	Electrical Worker	0.160		\$22.70	\$	-
	Special Laborer Electrical Services	0.160		\$20.82	\$	-
	Special Laborer Electrical Services	0.160		\$20.82	\$	-
	Special Laborer Electrical Services	0.160		\$20.82	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	<u>Item</u>	<u>Amount</u>		<u>Price</u>	<u>Total</u>	
	2.5" PVC Conduit			\$0.50	\$	-
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	-
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$	-

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-5						
Item: 2" PVC CONDUIT (DIRECTIONAL BORED)						
Quantity:						
Unit: LF						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Compressors	0.022		\$1.04	\$	-
	Constr. Equipment - Med	0.022		\$1.38	\$	-
	Dump Truck (Med. & Lrg.)	0.044		\$5.77	\$	-
	Trailers (Pole & Cable)	0.022		\$0.18	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Worker	0.022		\$22.70	\$	-
	Directional Boring Operator	0.022		\$27.56	\$	-
	Special Laborer Electrical Services	0.022		\$20.82	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	Item	Amount	Price	Total		
	2" PVC Continuous Duct			\$0.79	\$	-
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-6						
Item: 3" PVC CONDUIT (DIRECTIONAL BORED)						
Quantity:						
Unit: LF						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Compressors	0.022		\$1.04	\$	-
	Constr. Equipment - Med	0.022		\$1.38	\$	-
	Dump Truck (Med. & Lrg.)	0.044		\$5.77	\$	-
	Trailers (Pole & Cable)	0.022		\$0.18	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Worker	0.022		\$22.70	\$	-
	Directional Boring Operator	0.022		\$27.56	\$	-
	Special Laborer Electrical Services	0.022		\$20.82	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	Item	Amount	Price	Total		
	3" PVC Continuous Duct (Old Item# 1233730)			\$1.88	\$	-
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-7 Item: METAL PEDESTAL CABINET						
Quantity: 9 Unit: EACH						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Pickup	0.750	6.750	\$2.35	\$	15.86
Total Machinery Charges					\$	15.86
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic	0.750	6.750	\$29.55	\$	199.46
	Electrical Worker	0.750	6.750	\$22.70	\$	153.23
Sub-Total Labor Cost					\$	352.69
Fringe Benefit Rate @ 91.84%					\$	310.01
Total Labor Cost					\$	662.70
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	metal pedestal housing (4"x4"x36")	9	\$31.91	\$	287.21	
Sub-Total Material Cost					\$	287.21
Indirect Cost Factor @ 12.21%					\$	29.12
Total Material Cost					\$	316.33
TOTAL COST					\$	994.89
Total Cost Per Unit					\$	110.54
Total Excluded Cost					\$	332.19

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-8 Item: 13"X24"X18" RECTANGULAR VAULT & COVER						
Quantity: 4 Unit: EACH						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Compressors	1.000	4.000	\$1.04	\$	4.16
	Pickup	1.000	4.000	\$2.35	\$	9.40
	Van [Heavy]	1.000	4.000	\$2.85	\$	11.40
Total Machinery Charges					\$	24.96
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	1.000	4.000	\$31.05	\$	124.20
	Electrical Worker	1.000	4.000	\$22.70	\$	90.80
	Laborer Electrical Services	1.000	4.000	\$19.37	\$	77.48
Sub-Total Labor Cost					\$	292.48
Fringe Benefit Rate @ 91.84%					\$	257.09
Total Labor Cost					\$	549.57
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	13"x24"x18" rectangular vault & cover	4	\$224.81	\$	899.24	
Sub-Total Material Cost					\$	899.24
Indirect Cost Factor @ 12.21%					\$	91.18
Total Material Cost					\$	990.42
TOTAL COST					\$	1,564.95
Total Cost Per Unit					\$	391.24
Total Excluded Cost					\$	1,015.38

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-9 Item: 17"x30"x18" RECTANGULAR VAULT & COVER						
Quantity: EACH Unit: EACH						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Compressors	1.000		\$1.04	\$	-
	Pickup	1.000		\$2.35	\$	-
	Van [Heavy]	1.000		\$2.85	\$	-
	Total Machinery Charges					\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic (crew chief)	1.000		\$31.05	\$	-
	Electrical Worker	1.000		\$22.70	\$	-
	Laborer Electrical Services	1.000		\$19.37	\$	-
	Sub-Total Labor Cost					\$ -
	Fringe Benefit Rate @ 91.84%					\$ -
	Total Labor Cost					\$ -
Material Costs:	Item	Amount	Price	Total		
	17"x30"x18" rectangular vault & cover		\$269.23	\$	-	
	Sub-Total Material Cost					\$ -
	Indirect Cost Factor @ 12.21%					\$ -
	Total Material Cost					\$ -
	TOTAL COST					\$ -
	Total Cost Per Unit					#DIV/0!
	Total Excluded Cost					\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-10 Item: 3#2/1#8 LTP UNDERGROUND CABLE						
Quantity: 250 Unit: LF						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Dump Truck (Med. & Lrg.)	0.009	2.250	\$5.77	\$	12.98
	Trailers (Pole & Cable)	0.009	2.250	\$0.18	\$	0.41
	Total Machinery Charges					\$ 13.39
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic (crew chief)	0.009	2.250	\$31.05	\$	69.86
	Electrical Worker	0.009	2.250	\$22.70	\$	51.08
	Special Laborer Electrical Services	0.009	2.250	\$20.82	\$	46.85
	City Laborer Regular	0.009	2.250	\$18.97	\$	42.68
	City Laborer Regular	0.009	2.250	\$18.97	\$	42.68
	Sub-Total Labor Cost					\$ 295.83
	Fringe Benefit Rate @ 91.84%					\$ 260.03
	Total Labor Cost					\$ 555.86
Material Costs:	Item	Amount	Price	Total		
	3#2/1#8 LTP cable - secondary	250	\$3.64	\$	911.05	
	Sub-Total Material Cost					\$ 911.05
	Indirect Cost Factor @ 12.21%					\$ 92.38
	Total Material Cost					\$ 1,003.43
	TOTAL COST					\$ 1,572.68
	Total Cost Per Unit					\$ 6.29
	Total Excluded Cost					\$ 1,016.82

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-11 Item: 3#4/1#8 LTP UNDERGROUND CABLE						
Quantity: LF Unit: LF						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Dump Truck (Med. & Lrg.)	0.009		\$5.77	\$	-
	Trailers (Pole & Cable)	0.009		\$0.18	\$	-
Total Machinery Charges					\$	-
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic (crew chief)	0.009		\$31.05	\$	-
	Electrical Worker	0.009		\$22.70	\$	-
	Special Laborer Electrical Services	0.009		\$20.82	\$	-
	City Laborer Regular	0.009		\$18.97	\$	-
	City Laborer Regular	0.009		\$18.97	\$	-
	City Laborer Regular	0.009		\$18.97	\$	-
Sub-Total Labor Cost					\$	-
Fringe Benefit Rate @ 91.84%					\$	-
Total Labor Cost					\$	-
Material Costs:	Item	Amount	Price	Total		
	3#4/1#8 LTP cable - secondary		\$2.61	\$	-	
Sub-Total Material Cost					\$	-
Indirect Cost Factor @ 12.21%					\$	-
Total Material Cost					\$	-
TOTAL COST					\$	-
Total Cost Per Unit					#DIV/0!	
Total Excluded Cost					\$	-

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-12 Item: 3#6/1#8 LTP UNDERGROUND CABLE						
Quantity: 400 Unit: LF						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Dump Truck (Med. & Lrg.)	0.009	3.600	\$5.77	\$	20.77
	Trailers (Pole & Cable)	0.009	3.600	\$0.18	\$	0.65
Total Machinery Charges					\$	21.42
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic (crew chief)	0.009	3.600	\$31.05	\$	111.78
	Electrical Worker	0.009	3.600	\$22.70	\$	81.72
	Special Laborer Electrical Services	0.009	3.600	\$20.82	\$	74.95
	City Laborer Regular	0.009	3.600	\$18.97	\$	68.29
	City Laborer Regular	0.009	3.600	\$18.97	\$	68.29
	City Laborer Regular	0.009	3.600	\$18.97	\$	68.29
Sub-Total Labor Cost					\$	473.32
Fringe Benefit Rate @ 91.84%					\$	416.05
Total Labor Cost					\$	889.37
Material Costs:	Item	Amount	Price	Total		
	3#6/1#8 LTP cable - secondary	400	\$1.72	\$	686.36	
Sub-Total Material Cost					\$	686.36
Indirect Cost Factor @ 12.21%					\$	69.60
Total Material Cost					\$	755.96
TOTAL COST					\$	1,666.75
Total Cost Per Unit					\$	4.17
Total Excluded Cost					\$	777.38

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-13						
Item: 3#8/1#8 LTP UNDERGROUND CABLE						
Quantity:						
Unit: LF						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Dump Truck (Med. & Lrg.)	0.009		\$5.77	\$	-
	Trailers (Pole & Cable)	0.009		\$0.18	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	0.009		\$31.05	\$	-
	Electrical Worker	0.009		\$22.70	\$	-
	Special Laborer Electrical Services	0.009		\$20.82	\$	-
	City Laborer Regular	0.009		\$18.97	\$	-
	City Laborer Regular	0.009		\$18.97	\$	-
	City Laborer Regular	0.009		\$18.97	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	3#8/1#8 LTP cablr - secondary		\$1.14	\$	\$	-
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	-
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$	-

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-14						
Item: 3#10 WITH GROUND UF UNDERGROUND CABLE						
Quantity:						
Unit: LF						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Dump Truck (Med. & Lrg.)	0.009		\$5.77	\$	-
	Trailers (Pole & Cable)	0.009		\$0.18	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	0.009		\$31.05	\$	-
	Electrical Worker	0.009		\$22.70	\$	-
	Special Laborer Electrical Services	0.009		\$20.82	\$	-
	City Laborer Regular	0.009		\$18.97	\$	-
	City Laborer Regular	0.009		\$18.97	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	3#10 UF cable - secondary		\$1.02	\$	\$	-
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	-
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$	-

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-15 Item: 3#12 UF W / GROUND UNDERGROUND CABLE						
Quantity: Unit: LF						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Dump Truck (Med. & Lrg.)	0.009		\$5.77	\$	-
	Trailers (Pole & Cable)	0.009		\$0.18	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	0.009		\$31.05	\$	-
	Electrical Worker	0.009		\$22.70	\$	-
	Special Laborer Electrical Services	0.009		\$20.82	\$	-
	City Laborer Regular	0.009		\$18.97	\$	-
	City Laborer Regular	0.009		\$18.97	\$	-
	City Laborer Regular	0.009		\$18.97	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	3#12 UF w/grd. cable - secondary		\$0.66	\$	\$	-
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	-
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$	-

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-16 Item: 3#12 UF UNDERGROUND CABLE						
Quantity: Unit: LF						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Dump Truck (Med. & Lrg.)	0.009		\$5.77	\$	-
	Trailers (Pole & Cable)	0.009		\$0.18	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	0.009		\$31.05	\$	-
	Electrical Worker	0.009		\$22.70	\$	-
	Special Laborer Electrical Services	0.009		\$20.82	\$	-
	City Laborer Regular	0.009		\$18.97	\$	-
	City Laborer Regular	0.009		\$18.97	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	3#12 UF cable - secondary		\$0.66	\$	\$	-
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	-
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$	-

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-17 Item: 2#12 UF UNDERGROUND CABLE						
Quantity: Unit: LF						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Dump Truck (Med. & Lrg.)	0.009		\$5.77	\$	-
	Trailers (Pole & Cable)	0.009		\$0.18	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	0.009		\$31.05	\$	-
	Electrical Worker	0.009		\$22.70	\$	-
	Special Laborer Electrical Services	0.009		\$20.82	\$	-
	City Laborer Regular	0.009		\$18.97	\$	-
	City Laborer Regular	0.009		\$18.97	\$	-
	City Laborer Regular	0.009		\$18.97	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	2#12 UF cable - secondary		\$0.45	\$	\$	-
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	-
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$	-

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-18 Item: 1#8 CONCENTRIC UNDERGROUND CABLE						
Quantity: Unit: LF						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Dump Truck (Med. & Lrg.)	0.009		\$5.77	\$	-
	Trailers (Pole & Cable)	0.009		\$0.18	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic	0.010		\$29.55	\$	-
	Electrical Worker	0.010		\$22.70	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	1#8 concentric cable - primary		\$1.67	\$	\$	-
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	-
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$	-

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-19 Item: 2#2/1#4 ALUMINUM TRIPLEX WIRE OVERHEAD WIRE						
Quantity: Unit: LF						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Aerial/Boom Trucks	0.010		\$6.63	\$	-
	Trailers (Pole & Cable)	0.010		\$0.18	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic	0.010		\$29.55	\$	-
	Electrical Worker	0.010		\$22.70	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	<u>Item</u>	<u>Amount</u>		<u>Price</u>	<u>Total</u>	
	2#2/1#4 al. triplex cable - secondary			\$0.34	\$	-
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	-
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$	-

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-20 Item: 2#4/1#6 ALUMINUM TRIPLEX WIRE OVERHEAD WIRE						
Quantity: Unit: LF						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Aerial/Boom Trucks	0.010		\$6.63	\$	-
	Trailers (Pole & Cable)	0.010		\$0.18	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic	0.010		\$29.55	\$	-
	Electrical Worker	0.010		\$22.70	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	<u>Item</u>	<u>Amount</u>		<u>Price</u>	<u>Total</u>	
	2#4/1#6 al. triplex cable - secondary			\$0.90	\$	-
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	-
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$	-

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-21**
 Item: **3#6 ALUMINUM TRIPLEX WIRE OVERHEAD WIRE**

Quantity: 800
 Unit: LF

Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Aerial/Boom Trucks	0.010	8.000	\$6.63	\$ 53.04
	Trailers (Pole & Cable)	0.010	8.000	\$0.18	\$ 1.44
Total Machinery Charges					\$ 54.48
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic	0.010	8.000	\$29.55	\$ 236.40
	Electrical Worker	0.010	8.000	\$22.70	\$ 181.60
Sub-Total Labor Cost					\$ 418.00
Fringe Benefit Rate @ 91.84%					\$ 367.42
Total Labor Cost					\$ 785.42
Material Costs:	Item	Amount	Price	Total	
	3#6 al. Triplex cable - secondary	800	\$0.63	\$ 503.52	
Sub-Total Material Cost					\$ 503.52
Indirect Cost Factor @ 12.21%					\$ 51.06
Total Material Cost					\$ 554.58
TOTAL COST					\$ 1,394.48
Total Cost Per Unit					\$ 1.74
Total Excluded Cost					\$ 609.06

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-22**
 Item: **1#6 PRIMARY LINE WIRE OVERHEAD WIRE**

Quantity:
 Unit: LF

Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Aerial/Boom Trucks	0.010		\$6.63	\$ -
	Trailers (Pole & Cable)	0.010		\$0.18	\$ -
Total Machinery Charges					\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic	0.010		\$29.55	\$ -
	Electrical Worker	0.010		\$22.70	\$ -
Sub-Total Labor Cost					\$ -
Fringe Benefit Rate @ 91.84%					\$ -
Total Labor Cost					\$ -
Material Costs:	Item	Amount	Price	Total	
	1#6 primary line wire		\$0.74	\$ -	
Sub-Total Material Cost					\$ -
Indirect Cost Factor @ 12.21%					\$ -
Total Material Cost					\$ -
TOTAL COST					\$ -
Total Cost Per Unit					#DIV/0!
Total Excluded Cost					\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-23 Item: REMOVE OVERHEAD LINE WIRE						
Quantity: 800 Unit: LF.						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Aerial/Boom Trucks	0.010	8.000	\$6.63	\$	53.04
					Total Machinery Charges	\$ 53.04
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic	0.010	8.000	\$29.55	\$	236.40
	Electrical Worker	0.010	8.000	\$22.70	\$	181.60
					Sub-Total Labor Cost	\$ 418.00
					Fringe Benefit Rate @ 91.84%	\$ 367.42
					Total Labor Cost	\$ 785.42
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ 838.46
					Total Cost Per Unit	\$ 1.05
					Total Excluded Cost	\$ 53.04

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-24 Item: INSTALL WOOD POLE (35',40', & 45) WITH GROUND ROD & BARE #6 WIRE						
Quantity: 1 Unit: EACH						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Constr. Equipment - Large	1.500	1.500	\$7.85	\$	11.78
	Dump Truck (Small)	1.500	1.500	\$3.63	\$	5.45
	Trailers (Pole & Cable)	1.500	1.500	\$0.18	\$	0.27
	Pickup	2.000	2.000	\$2.35	\$	4.70
					Total Machinery Charges	\$ 22.20
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	1.500	1.500	\$31.05	\$	46.58
	Electrical Mechanic	2.750	2.750	\$29.55	\$	81.26
	Electrical Worker	3.500	3.500	\$22.70	\$	79.45
	City Laborer Regular	3.000	3.000	\$18.97	\$	56.91
					Sub-Total Labor Cost	\$ 264.20
					Fringe Benefit Rate @ 91.84%	\$ 232.23
					Total Labor Cost	\$ 496.43
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	35 ft. wood pole	1	\$0.02	\$	0.02	
	5/8" x 8' ground rod (Old Item# 1278870)	1	\$10.00	\$	10.00	
	Wire type TW #6 stranded, black	1	\$13.39	\$	13.39	
					Sub-Total Material Cost	\$ 23.41
					Indirect Cost Factor @ 12.21%	\$ 2.37
					Total Material Cost	\$ 25.78
					TOTAL COST	\$ 544.41
					Total Cost Per Unit	\$ 544.41
					Total Excluded Cost	\$ 47.98

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-25						
Item: INSTALL A21 CONCRETE POLE (GRAY) INCLUDES RISER CABLE						
Quantity: 1						
Unit: EACH						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Constr. Equipment - Large	1.500		\$7.85	\$ -	
	Dump Truck (Small)	1.500		\$3.63	\$ -	
	Trailers (Pole & Cable)	1.500		\$0.18	\$ -	
				Total Machinery Charges	\$ -	
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic (crew chief)	1.500		\$31.05	\$ -	
	Electrical Worker	1.666		\$22.70	\$ -	
	City Laborer Regular	1.500		\$18.97	\$ -	
	City Laborer Regular	1.500		\$18.97	\$ -	
				Sub-Total Labor Cost	\$ -	
				Fringe Benefit Rate @ 91.84%	\$ -	
				Total Labor Cost	\$ -	
Material Costs:	Item	Amount		Price	Total	
	A21 concrete pole direct burial			\$620.00	\$ -	
	3#12 UF cable - secondary			\$17.88	\$ -	
				Sub-Total Material Cost	\$ -	
				Indirect Cost Factor @ 12.21%	\$ -	
				Total Material Cost	\$ -	
				TOTAL COST	\$ -	
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$ -	

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-26						
Item: INSTALL A26 CONCRETE POLE (GRAY) INCLUDES RISER CABLE						
Quantity: 1						
Unit: EACH						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Constr. Equipment - Large	1.500	1.500	\$7.85	\$ 11.78	
	Dump Truck (Small)	1.500	1.500	\$3.63	\$ 5.45	
	Trailers (Pole & Cable)	1.500	1.500	\$0.18	\$ 0.27	
				Total Machinery Charges	\$ 17.50	
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic (crew chief)	1.500	1.500	\$31.05	\$ 46.58	
	Electrical Worker	1.666	1.666	\$22.70	\$ 37.82	
	City Laborer Regular	1.500	1.500	\$18.97	\$ 28.46	
	City Laborer Regular	1.500	1.500	\$18.97	\$ 28.46	
				Sub-Total Labor Cost	\$ 141.32	
				Fringe Benefit Rate @ 91.84%	\$ 124.22	
				Total Labor Cost	\$ 265.54	
Material Costs:	Item	Amount		Price	Total	
	A26 concrete pole direct burial	1		\$660.00	\$ 660.00	
	3#12 UF cable - secondary	1		\$21.19	\$ 21.19	
				Sub-Total Material Cost	\$ 681.19	
				Indirect Cost Factor @ 12.21%	\$ 69.07	
				Total Material Cost	\$ 750.26	
				TOTAL COST	\$ 1,033.30	
				Total Cost Per Unit	\$ 1,033.30	
				Total Excluded Cost	\$ 767.76	

Project ID: 1060-36-90							
Highway: Zoo Interchange							
County: Milwaukee							
Item Number: 90005-27							
Item: INSTALL A31 CONCRETE POLE (GRAY) INCLUDES RISER CABLE							
Quantity: 3							
Unit: EACH							
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>		
	Constr. Equipment - Large	1.500	4.500	\$7.85	\$	35.33	
	Dump Truck (Small)	1.500	4.500	\$3.63	\$	16.34	
	Trailers (Pole & Cable)	1.500	4.500	\$0.18	\$	0.81	
	Total Machinery Charges					\$	52.48
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>		
	Electrical Mechanic (crew chief)	1.500	4.500	\$31.05	\$	139.73	
	Electrical Worker	1.666	4.998	\$22.70	\$	113.45	
	City Laborer Regular	1.500	4.500	\$18.97	\$	85.37	
	City Laborer Regular	1.500	4.500	\$18.97	\$	85.37	
	Sub-Total Labor Cost					\$	423.92
	Fringe Benefit Rate @ 91.84%					\$	372.63
	Total Labor Cost					\$	796.55
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>			
	A31 concrete pole direct burial (Gray)	3	\$740.00	\$	2,220.00		
	3#12 UF cable - secondary	3	\$24.50	\$	73.50		
	Sub-Total Material Cost					\$	2,293.50
	Indirect Cost Factor @ 12.21%					\$	232.56
	Total Material Cost					\$	2,526.06
	TOTAL COST					\$	3,375.09
	Total Cost Per Unit					\$	1,125.03
	Total Excluded Cost					\$	2,578.54

Project ID: 1060-36-90							
Highway: Zoo Interchange							
County: Milwaukee							
Item Number: 90005-28							
Item: INSTALL A31 CONCRETE POLE (BLACK) INCLUDES RISER CABLE							
Quantity:							
Unit: EACH							
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>		
	Constr. Equipment - Large	1.500		\$7.85	\$	-	
	Dump Truck (Small)	1.500		\$3.63	\$	-	
	Trailers (Pole & Cable)	1.500		\$0.18	\$	-	
	Total Machinery Charges					\$	-
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>		
	Electrical Mechanic (crew chief)	1.500		\$31.05	\$	-	
	Electrical Worker	1.666		\$22.70	\$	-	
	City Laborer Regular	1.500		\$18.97	\$	-	
	City Laborer Regular	1.500		\$18.97	\$	-	
	Sub-Total Labor Cost					\$	-
	Fringe Benefit Rate @ 91.84%					\$	-
	Total Labor Cost					\$	-
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>			
	A31 concrete pole direct burial (Black)		\$1,250.00	\$	-		
	3#12 UF cable - secondary		\$24.50	\$	-		
	Sub-Total Material Cost					\$	-
	Indirect Cost Factor @ 12.21%					\$	-
	Total Material Cost					\$	-
	TOTAL COST					\$	-
	Total Cost Per Unit					#DIV/0!	
	Total Excluded Cost					\$	-

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-29						
Item: INSTALL BOLT DOWN A31 CONCRETE POLE (BLACK) INCLUDES RISER CABLE						
Quantity:						
Unit: EACH						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Constr. Equipment - Large	1.500		\$7.85	\$ -	
	Dump Truck (Small)	1.500		\$3.63	\$ -	
	Trailers (Pole & Cable)	1.500		\$0.18	\$ -	
				Total Machinery Charges	\$ -	
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	1.500		\$31.05	\$ -	
	Electrical Worker	1.666		\$22.70	\$ -	
	City Laborer Regular	1.500		\$18.97	\$ -	
	City Laborer Regular	1.500		\$18.97	\$ -	
				Sub-Total Labor Cost	\$ -	
				Fringe Benefit Rate @ 91.84%	\$ -	
				Total Labor Cost	\$ -	
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	A31 concrete pole Bolt Down (Black)		\$1,500.00	\$ -		
	3#12 UF cable - secondary		\$24.50	\$ -		
				Sub-Total Material Cost	\$ -	
				Indirect Cost Factor @ 12.21%	\$ -	
				Total Material Cost	\$ -	
				TOTAL COST	\$ -	
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$ -	

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-30						
Item: INSTALL AT-31R CONCRETE POLE (GRAY OR BLACK) INCLUDES RISER CABLE						
Quantity:						
Unit: EACH						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Constr. Equipment - Large	3.000		\$7.85	\$ -	
	Dump Truck (Small)	3.000		\$3.63	\$ -	
	Trailers (Pole & Cable)	3.000		\$0.18	\$ -	
				Total Machinery Charges	\$ -	
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	3.000		\$31.05	\$ -	
	Electrical Worker	3.167		\$22.70	\$ -	
	City Laborer Regular	3.000		\$18.97	\$ -	
	City Laborer Regular	3.000		\$18.97	\$ -	
				Sub-Total Labor Cost	\$ -	
				Fringe Benefit Rate @ 91.84%	\$ -	
				Total Labor Cost	\$ -	
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	AT-31R concrete pole direct burial		\$1,628.57	\$ -		
	3#12 UF cable - secondary		\$24.50	\$ -		
				Sub-Total Material Cost	\$ -	
				Indirect Cost Factor @ 12.21%	\$ -	
				Total Material Cost	\$ -	
				TOTAL COST	\$ -	
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$ -	

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-31						
Item: INSTALL H15 CONCRETE POLE INCLUDES RISER CABLE						
Quantity:						
Unit: EACH						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Constr. Equipment - Large	1.500		\$7.85	\$	-
	Dump Truck (Small)	1.500		\$3.63	\$	-
	Trailers (Pole & Cable)	1.500		\$0.18	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic (crew chief)	1.500		\$31.05	\$	-
	Electrical Worker	1.666		\$22.70	\$	-
	City Laborer Regular	1.500		\$18.97	\$	-
	City Laborer Regular	1.500		\$18.97	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	Item	Amount	Price	Total		
	H15 concrete pole 13' diect burial		\$620.83	\$	-	
	3#12 UF cable - secondary		\$11.92	\$	-	
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	-
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$	-

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-32						
Item: INSTALL H17 CONCRETE POLE INCLUDES RISER CABLE						
Quantity:						
Unit: EACH						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Constr. Equipment - Large	1.500		\$7.85	\$	-
	Dump Truck (Small)	1.500		\$3.63	\$	-
	Trailers (Pole & Cable)	1.500		\$0.18	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic (crew chief)	1.500		\$31.05	\$	-
	Electrical Worker	1.666		\$22.70	\$	-
	City Laborer Regular	1.500		\$18.97	\$	-
	City Laborer Regular	1.500		\$18.97	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	Item	Amount	Price	Total		
	H17 concrete pole 15' direct burial		\$727.98	\$	-	
	3#12 UF cable - secondary		\$13.91	\$	-	
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	-
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$	-

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-33						
Item: INSTALL 13 FT. BLACK STEEL OCTAFLUTED POLE INCLUDES RISER CABLE						
Quantity:						
Unit: EACH						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Constr. Equipment - Large	1.500		\$7.85	\$ -	
	Dump Truck (Small)	1.500		\$3.63	\$ -	
	Trailers (Pole & Cable)	1.500		\$0.18	\$ -	
				Total Machinery Charges	\$ -	
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	1.500		\$31.05	\$ -	
	Electrical Worker	1.666		\$22.70	\$ -	
	City Laborer Regular	1.500		\$18.97	\$ -	
	City Laborer Regular	1.500		\$18.97	\$ -	
				Sub-Total Labor Cost	\$ -	
				Fringe Benefit Rate @ 91.84%	\$ -	
				Total Labor Cost	\$ -	
Material Costs:	<u>Item</u>	<u>Amount</u>		<u>Price</u>	<u>Total</u>	
	13' black bolt down steel pole (octafluted)			\$759.50	\$ -	
	3#12 UF cable - secondary			\$11.92	\$ -	
				Sub-Total Material Cost	\$ -	
				Indirect Cost Factor @ 12.21%	\$ -	
				Total Material Cost	\$ -	
				TOTAL COST	\$ -	
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$ -	

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-34						
Item: INSTALL 15 FT. BLACK STEEL OCTAFLUTED POLE INCLUDES RISER CABLE						
Quantity:						
Unit: EACH						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Constr. Equipment - Large	1.500		\$7.85	\$ -	
	Dump Truck (Small)	1.500		\$3.63	\$ -	
	Trailers (Pole & Cable)	1.500		\$0.18	\$ -	
				Total Machinery Charges	\$ -	
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	1.500		\$31.05	\$ -	
	Electrical Worker	1.666		\$22.70	\$ -	
	City Laborer Regular	1.500		\$18.97	\$ -	
	City Laborer Regular	1.500		\$18.97	\$ -	
				Sub-Total Labor Cost	\$ -	
				Fringe Benefit Rate @ 91.84%	\$ -	
				Total Labor Cost	\$ -	
Material Costs:	<u>Item</u>	<u>Amount</u>		<u>Price</u>	<u>Total</u>	
	15' black bolt down steel pole (octafluted)			\$885.81	\$ -	
	3#12 UF cable - secondary			\$13.91	\$ -	
				Sub-Total Material Cost	\$ -	
				Indirect Cost Factor @ 12.21%	\$ -	
				Total Material Cost	\$ -	
				TOTAL COST	\$ -	
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$ -	

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-35**
 Item: **INSTALL 22 FT. ALUMINUM POLE (DIRECT BURIAL) INCLUDES RISER CABLE**

Quantity:
 Unit: EACH

Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Constr. Equipment - Large	1.500		\$7.85	\$ -
	Dump Truck (Small)	1.500		\$3.63	\$ -
	Trailers (Pole & Cable)	1.500		\$0.18	\$ -
	Total Machinery Charges				\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic (crew chief)	1.500		\$31.05	\$ -
	Electrical Worker	1.666		\$22.70	\$ -
	City Laborer Regular	1.500		\$18.97	\$ -
	City Laborer Regular	1.500		\$18.97	\$ -
	Sub-Total Labor Cost				\$ -
	Fringe Benefit Rate @ 91.84%				\$ -
	Total Labor Cost				\$ -
Material Costs:	Item	Amount	Price	Total	
	22' aluminum pole direct burial		\$322.73	\$ -	
	3#12 UF cable - secondary		\$17.88	\$ -	
	Sub-Total Material Cost				\$ -
	Indirect Cost Factor @ 12.21%				\$ -
	Total Material Cost				\$ -
	TOTAL COST				\$ -
	Total Cost Per Unit				#DIV/0!
	Total Excluded Cost				\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-36**
 Item: **INSTALL 26 FT. ALUMINUM POLE (DIRECT BURIAL) INCLUDES RISER CABLE**

Quantity:
 Unit: EACH

Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Constr. Equipment - Large	1.500		\$7.85	\$ -
	Dump Truck (Small)	1.500		\$3.63	\$ -
	Trailers (Pole & Cable)	1.500		\$0.18	\$ -
	Total Machinery Charges				\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic (crew chief)	1.500		\$31.05	\$ -
	Electrical Worker	1.666		\$22.70	\$ -
	City Laborer Regular	1.500		\$18.97	\$ -
	City Laborer Regular	1.500		\$18.97	\$ -
	Sub-Total Labor Cost				\$ -
	Fringe Benefit Rate @ 91.84%				\$ -
	Total Labor Cost				\$ -
Material Costs:	Item	Amount	Price	Total	
	26' aluminum pole direct burial		\$380.00	\$ -	
	3#12 UF cable - secondary		\$21.19	\$ -	
	Sub-Total Material Cost				\$ -
	Indirect Cost Factor @ 12.21%				\$ -
	Total Material Cost				\$ -
	TOTAL COST				\$ -
	Total Cost Per Unit				#DIV/0!
	Total Excluded Cost				\$ -

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-37						
Item: INSTALL 31 FT. ALUMINUM POLE (DIRECT BURIAL) INCLUDES RISER CABLE						
Quantity:						
Unit: EACH						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Constr. Equipment - Large	1.500		\$7.85	\$ -	
	Dump Truck (Small)	1.500		\$3.63	\$ -	
	Trailers (Pole & Cable)	1.500		\$0.18	\$ -	
	Total Machinery Charges				\$ -	
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	1.500		\$31.05	\$ -	
	Electrical Worker	1.666		\$22.70	\$ -	
	City Laborer Regular	1.500		\$18.97	\$ -	
	City Laborer Regular	1.500		\$18.97	\$ -	
	Sub-Total Labor Cost				\$ -	
	Fringe Benefit Rate @ 91.84%				\$ -	
	Total Labor Cost				\$ -	
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	31' aluminum pole direct burial		\$463.47	\$ -		
	3#12 UF cable - secondary		\$24.50	\$ -		
	Sub-Total Material Cost				\$ -	
	Indirect Cost Factor @ 12.21%				\$ -	
	Total Material Cost				\$ -	
	TOTAL COST				\$ -	
	Total Cost Per Unit				#DIV/0!	
	Total Excluded Cost				\$ -	

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-38						
Item: INSTALL 25 FT. ALUMINUM POLE (BOLT DOWN) INCLUDES RISER CABLE						
Quantity:						
Unit: EACH						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Constr. Equipment - Large	1.500		\$7.85	\$ -	
	Dump Truck (Small)	1.500		\$3.63	\$ -	
	Trailers (Pole & Cable)	1.500		\$0.18	\$ -	
	Total Machinery Charges				\$ -	
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	1.500		\$31.05	\$ -	
	Electrical Worker	1.666		\$22.70	\$ -	
	City Laborer Regular	1.500		\$18.97	\$ -	
	City Laborer Regular	1.500		\$18.97	\$ -	
	Sub-Total Labor Cost				\$ -	
	Fringe Benefit Rate @ 91.84%				\$ -	
	Total Labor Cost				\$ -	
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	25' aluminum bolt down pole		\$390.00	\$ -		
	3#12 UF cable - secondary		\$20.53	\$ -		
	Sub-Total Material Cost				\$ -	
	Indirect Cost Factor @ 12.21%				\$ -	
	Total Material Cost				\$ -	
	TOTAL COST				\$ -	
	Total Cost Per Unit				#DIV/0!	
	Total Excluded Cost				\$ -	

Project ID: 1060-36-90					
Highway: Zoo Interchange					
County: Milwaukee					
Item Number: 90005-39					
Item: INSTALL 30 FT. ALUMINUM POLE (BOLT DOWN) INCLUDES RISER CABLE					
Quantity:					
Unit: EACH					
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Constr. Equipment - Large	1.500		\$7.85	\$ -
	Dump Truck (Small)	1.500		\$3.63	\$ -
	Trailers (Pole & Cable)	1.500		\$0.18	\$ -
	Total Machinery Charges				\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic (crew chief)	1.500		\$31.05	\$ -
	Electrical Worker	1.666		\$22.70	\$ -
	City Laborer Regular	1.500		\$18.97	\$ -
	City Laborer Regular	1.500		\$18.97	\$ -
	Sub-Total Labor Cost				\$ -
	Fringe Benefit Rate @ 91.84%				\$ -
	Total Labor Cost				\$ -
Material Costs:	Item	Amount	Price	Total	
	30' aluminum bolt down pole			\$432.02	\$ -
	3#12 UF cable - secondary			\$23.84	\$ -
	Sub-Total Material Cost				\$ -
	Indirect Cost Factor @ 12.21%				\$ -
	Total Material Cost				\$ -
	TOTAL COST \$ -				
	Total Cost Per Unit				#DIV/0!
	Total Excluded Cost				\$ -

Project ID: 1060-36-90					
Highway: Zoo Interchange					
County: Milwaukee					
Item Number: 90005-40					
Item: INSTALL 13 FT. GREEN STEEL OCTAFLUTED POLE INCLUDES RISER CABLE					
Quantity:					
Unit: EACH					
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Constr. Equipment - Large	1.500		\$7.85	\$ -
	Dump Truck (Small)	1.500		\$3.63	\$ -
	Trailers (Pole & Cable)	1.500		\$0.18	\$ -
	Total Machinery Charges				\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic (crew chief)	1.500		\$31.05	\$ -
	Electrical Worker	1.666		\$22.70	\$ -
	City Laborer Regular	1.500		\$18.97	\$ -
	City Laborer Regular	1.500		\$18.97	\$ -
	Sub-Total Labor Cost				\$ -
	Fringe Benefit Rate @ 91.84%				\$ -
	Total Labor Cost				\$ -
Material Costs:	Item	Amount	Price	Total	
	13' green bolt down steel pole (octafluted)			\$759.50	\$ -
	3#12 UF cable - secondary			\$11.92	\$ -
	Sub-Total Material Cost				\$ -
	Indirect Cost Factor @ 12.21%				\$ -
	Total Material Cost				\$ -
	TOTAL COST \$ -				
	Total Cost Per Unit				#DIV/0!
	Total Excluded Cost				\$ -

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-41						
Item: INSTALL 15 FT. GREEN STEEL OCTAFLUTED POLE INCLUDES RISER CABLE						
Quantity:						
Unit: EACH						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Constr. Equipment - Large	1.500		\$7.85	\$ -	
	Dump Truck (Small)	1.500		\$3.63	\$ -	
	Trailers (Pole & Cable)	1.500		\$0.18	\$ -	
				Total Machinery Charges	\$ -	
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	1.500		\$31.05	\$ -	
	Electrical Worker	1.666		\$22.70	\$ -	
	City Laborer Regular	1.500		\$18.97	\$ -	
	City Laborer Regular	1.500		\$18.97	\$ -	
				Sub-Total Labor Cost	\$ -	
				Fringe Benefit Rate @ 91.84%	\$ -	
				Total Labor Cost	\$ -	
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	15' green bolt down steel pole (octafluted)		\$899.00	\$ -		
	3#12 UF cable - secondary		\$13.91	\$ -		
				Sub-Total Material Cost	\$ -	
				Indirect Cost Factor @ 12.21%	\$ -	
				Total Material Cost	\$ -	
				TOTAL COST	\$ -	
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$ -	

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-42						
Item: 14.7' BLACK STEEL POLE WITH DECORATIVE BASE ON EXISTING CONCRETE BASE, 70W/240 VOLT HARP FIXTURE, WITH A HIGH PRESSURE SODIUM LAMP (INCLUDE RISER CABLE)						
Quantity:						
Unit: EACH						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Constr. Equipment - Large	1.000		\$7.85	\$ -	
	Dump Truck (Small)	1.000		\$3.63	\$ -	
	Trailers (Pole & Cable)	1.000		\$0.18	\$ -	
	Aerial/Boom Trucks	0.750		\$6.63	\$ -	
	Pickup	1.000		\$2.35	\$ -	
				Total Machinery Charges	\$ -	
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	1.000		\$31.05	\$ -	
	Electrical Mechanic	1.750		\$29.55	\$ -	
	Electrical Worker	1.750		\$22.70	\$ -	
	City Laborer Regular	3.000		\$18.97	\$ -	
				Sub-Total Labor Cost	\$ -	
				Fringe Benefit Rate @ 91.84%	\$ -	
				Total Labor Cost	\$ -	
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	14.7' Harp pole steel/cast iron base/2 bracelets		\$7,239.00	\$ -		
	70w Milwaukee harp fixture black		\$733.62	\$ -		
	70 watt H.P.S. lamp		\$12.13	\$ -		
	3#12 UF cable - secondary		\$11.26	\$ -		
				Sub-Total Material Cost	\$ -	
				Indirect Cost Factor @ 12.21%	\$ -	
				Total Material Cost	\$ -	
				TOTAL COST	\$ -	
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$ -	

Project ID:	1060-36-90				
Highway:	Zoo Interchange				
County:	Milwaukee				
Item Number:	90005-43				
Item:	14.7' BLACK STEEL POLE WITH DECORATIVE BASE ON EXISTING CONCRETE BASE, 150W/240 VOLT HARP FIXTURE WITH OUTLET, & 150 WATT HIGH PRESSURE SODIUM LAMP (INCLUDE RISER CABLE)				
Quantity:					
Unit:	EACH				
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Constr. Equipment - Large	1.000		\$7.85	\$ -
	Dump Truck (Small)	1.000		\$3.63	\$ -
	Trailers (Pole & Cable)	1.000		\$0.18	\$ -
	Aerial/Boom Trucks	0.750		\$6.63	\$ -
	Pickup	1.000		\$2.35	\$ -
				Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic (crew chief)	1.000		\$31.05	\$ -
	Electrical Mechanic	1.750		\$29.55	\$ -
	Electrical Worker	1.750		\$22.70	\$ -
	City Laborer Regular	3.000		\$18.97	\$ -
				Sub-Total Labor Cost	\$ -
				Fringe Benefit Rate @ 91.84%	\$ -
				Total Labor Cost	\$ -
Material Costs:	Item	Amount		Price	Total
	14.7' Harp pole steel/cast iron base/2 bracelets			\$7,239.00	\$ -
	150w/240v.Milwaukee harp fixture black with outlet			\$830.00	\$ -
	150 watt H.P.S. lamp			\$10.17	\$ -
	3#12 UF cable - secondary			\$11.26	\$ -
				Sub-Total Material Cost	\$ -
				Indirect Cost Factor @ 12.21%	\$ -
				Total Material Cost	\$ -
				TOTAL COST	\$ -
				Total Cost Per Unit	#DIV/0!
				Total Excluded Cost	\$ -

Project ID:	1060-36-90				
Highway:	Zoo Interchange				
County:	Milwaukee				
Item Number:	90005-44				
Item:	14.7' BLACK STEEL POLE WITH DECORATIVE BASE ON EXISTING CONCRETE BASE, MOUNTING ARM FOR DOUBLE HARPS, TWO (2)-150W/240 VOLT HARPS FIXTURES, WITH TWO (2) HIGH PRESSURE SODIUM LAMPS (INCLUDE RISER CABLE)				
Quantity:					
Unit:	EACH				
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Constr. Equipment - Large	1.000		\$7.85	\$ -
	Dump Truck (Small)	1.000		\$3.63	\$ -
	Trailers (Pole & Cable)	1.000		\$0.18	\$ -
	Aerial/Boom Trucks	1.500		\$6.63	\$ -
	Pickup	1.000		\$2.35	\$ -
				Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic (crew chief)	1.000		\$31.05	\$ -
	Electrical Mechanic	2.500		\$29.55	\$ -
	Electrical Worker	2.500		\$22.70	\$ -
	City Laborer Regular	3.000		\$18.97	\$ -
				Sub-Total Labor Cost	\$ -
				Fringe Benefit Rate @ 91.84%	\$ -
				Total Labor Cost	\$ -
Material Costs:	Item	Amount		Price	Total
	14.7' Harp pole steel/cast iron base/2 bracelets			\$7,239.00	\$ -
	Double harp arm			\$389.07	\$ -
	150w/240v.Milwaukee harp fixture black with outlet			\$830.00	\$ -
	150 watt H.P.S. lamp			\$10.17	\$ -
	3#12 UF cable - secondary			\$11.26	\$ -
				Sub-Total Material Cost	\$ -
				Indirect Cost Factor @ 12.21%	\$ -
				Total Material Cost	\$ -
				TOTAL COST	\$ -
				Total Cost Per Unit	#DIV/0!
				Total Excluded Cost	\$ -

Project ID:	1060-36-90				
Highway:	Zoo Interchange				
County:	Milwaukee				
Item Number:	90005-45				
Item:	30' BLACK STEEL POLE WITH DECORATIVE BASE ON EXISTING CONCRETE BASE, 150W/240 VOLT MILWAUKEE LANTERN BRACKET & MILWAUKEE LANTERN FIXTURE, WITH A HIGH PRESSURE SODIUM LAMP (INCLUDE RISER CABLE)				
Quantity:					
Unit:	EACH				
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Constr. Equipment - Large	1.500		\$7.85	\$ -
	Dump Truck (Small)	1.500		\$3.63	\$ -
	Trailers (Pole & Cable)	1.500		\$0.18	\$ -
	Aerial/Boom Trucks	1.500		\$6.63	\$ -
	Pickup	0.750		\$2.35	\$ -
				Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic (crew chief)	1.500		\$31.05	\$ -
	=Lab Rates\SB\$13	2.250		\$29.55	\$ -
	Electrical Worker	3.750		\$22.70	\$ -
	City Laborer Regular	3.000		\$18.97	\$ -
				Sub-Total Labor Cost	\$ -
				Fringe Benefit Rate @ 91.84%	\$ -
				Total Labor Cost	\$ -
Material Costs:	Item	Amount		Price	Total
	30' Lantern pole steel/cast iron base/ 3 bracelets			\$4,806.00	\$ -
	150w lantern arm black			\$400.00	\$ -
	Milwaukee lantern black			\$409.18	\$ -
	150 watt H.P.S. lamp			\$10.17	\$ -
	3#12 UF cable - secondary			\$23.84	\$ -
				Sub-Total Material Cost	\$ -
				Indirect Cost Factor @ 12.21%	\$ -
				Total Material Cost	\$ -
				TOTAL COST	\$ -
				Total Cost Per Unit	#DIV/0!
				Total Excluded Cost	\$ -

Project ID:	1060-36-90				
Highway:	Zoo Interchange				
County:	Milwaukee				
Item Number:	90005-46				
Item:	30' BLACK STEEL POLE WITH DECORATIVE BASE ON EXISTING CONCRETE BASE, 250W/240 VOLT MILWAUKEE LANTERN BRACKET & MILWAUKEE LANTERN FIXTURE, WITH A HIGH PRESSURE SODIUM LAMP (INCLUDE RISER CABLE)				
Quantity:					
Unit:	EACH				
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Constr. Equipment - Large	1.500		\$7.85	\$ -
	Dump Truck (Small)	1.500		\$3.63	\$ -
	Trailers (Pole & Cable)	1.500		\$0.18	\$ -
	Aerial/Boom Trucks	1.500		\$6.63	\$ -
	Pickup	0.750		\$2.35	\$ -
				Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic (crew chief)	1.500		\$31.05	\$ -
	Electrical Mechanic	2.250		\$29.55	\$ -
	Electrical Worker	3.750		\$22.70	\$ -
	City Laborer Regular	3.000		\$18.97	\$ -
				Sub-Total Labor Cost	\$ -
				Fringe Benefit Rate @ 91.84%	\$ -
				Total Labor Cost	\$ -
Material Costs:	Item	Amount		Price	Total
	30' Lantern pole steel/cast iron base/ 3 bracelets			\$4,806.00	\$ -
	250w lantern arm black			\$392.14	\$ -
	Milwaukee lantern black			\$409.18	\$ -
	250 watt H.P.S. lamp			\$10.37	\$ -
	3#12 UF cable - secondary			\$23.84	\$ -
				Sub-Total Material Cost	\$ -
				Indirect Cost Factor @ 12.21%	\$ -
				Total Material Cost	\$ -
				TOTAL COST	\$ -
				Total Cost Per Unit	#DIV/0!
				Total Excluded Cost	\$ -

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-47						
Item: REMOVE CONCRETE,WOOD, AND ALUMINUM POLE						
Quantity:						
Unit: EACH						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Constr. Equipment - Large	1.000		\$7.85	\$	-
	Dump Truck (Small)	1.000		\$3.63	\$	-
	Misc. Large Truck	1.500		\$3.62	\$	-
	Trailers (Pole & Cable)	1.000		\$0.18	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	1.000		\$31.05	\$	-
	Electrical Mechanic	1.500		\$29.55	\$	-
	Electrical Worker	2.500		\$22.70	\$	-
	Special Laborer Electrical Services	1.000		\$20.82	\$	-
	Special Laborer Electrical Services	1.000		\$20.82	\$	-
	Special Laborer Electrical Services	1.000		\$20.82	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	-
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$	-

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-48						
Item: REMOVE PEDESTRIAN SCALE POLE						
Quantity:						
Unit: EACH						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Constr. Equipment - Large	1.000		\$7.85	\$	-
	Dump Truck (Small)	1.000		\$3.63	\$	-
	Dump Truck (Med. & Lrg.)	1.000		\$3.62	\$	-
	Trailers (Pole & Cable)	1.000		\$0.18	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	1.000		\$31.05	\$	-
	Electrical Mechanic	1.000		\$29.55	\$	-
	Electrical Worker	2.000		\$22.70	\$	-
	Special Laborer Electrical Services	1.000		\$20.82	\$	-
	Special Laborer Electrical Services	1.000		\$20.82	\$	-
	Special Laborer Electrical Services	1.000		\$20.82	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	-
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$	-

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-49						
Item: INSTALL 22" DIA. X 36" HIGH PRECAST CONCRETE BASE WITH 11" DIA. BOLT CIRCLE						
Quantity: EACH						
Unit: EACH						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Constr. Equipment - Large	2.000		\$7.85	\$	-
	Dump Truck (Small)	2.000		\$3.63	\$	-
	Trailers (Pole & Cable)	2.000		\$0.18	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic (crew chief)	2.000		\$31.05	\$	-
	Electrical Worker	2.000		\$22.70	\$	-
	City Laborer Regular	2.000		\$18.97	\$	-
	City Laborer Regular	2.000		\$18.97	\$	-
	Cement Finisher	1.000		\$27.46	\$	-
	City Laborer Regular	1.000		\$18.97	\$	-
	City Laborer Regular	1.000		\$18.97	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	Item	Amount	Price	Total		
	Precast concrete base for ped pole (11"bolt cir. 22"Dx36"H)		\$289.54	\$	-	
			Sub-Total Material Cost	\$	-	
			Indirect Cost Factor @ 12.21%	\$	-	
			Total Material Cost	\$	-	
			TOTAL COST	\$	-	
			Total Cost Per Unit	#DIV/0!		
			Total Excluded Cost	\$	-	

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-50						
Item: INSTALL 24" DIA. X 6'-6" HIGH CONCRETE BASE WITH 13" DIA. BOLT CIRCLE						
Quantity: EACH						
Unit: EACH						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Constr. Equipment - Large	2.000		\$7.85	\$	-
	Dump Truck (Small)	2.000		\$3.63	\$	-
	Trailers (Pole & Cable)	2.000		\$0.18	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic (crew chief)	2.000		\$31.05	\$	-
	Electrical Worker	2.000		\$22.70	\$	-
	City Laborer Regular	6.000		\$18.97	\$	-
	Cement Finisher	1.000		\$27.46	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	Item	Amount	Price	Total		
	concrete	24" dia. X 72" high conc. base 0.814 cu.yd:	\$80.00	\$	-	
	6 ft. Rebar cage		\$399.19	\$	-	
	24" dia.x6 ft. high cardboard tube		\$100.00	\$	-	
	1" dia. X 3 ft. threaded rod		\$17.03	\$	-	
			Sub-Total Material Cost	\$	-	
			Indirect Cost Factor @ 12.21%	\$	-	
			Total Material Cost	\$	-	
			TOTAL COST	\$	-	
			Total Cost Per Unit	#DIV/0!		
			Total Excluded Cost	\$	-	

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-51 Item: INSTALL 30" DIA. X 8'-0" HIGH CONCRETE BASE WITH 11-1/2" DIA. FLUTED STEEL POLE INSERT						
Quantity: Unit: EACH						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Constr. Equipment - Large	2.000		\$7.85	\$ -	
	Dump Truck (Small)	2.000		\$3.63	\$ -	
	Trailers (Pole & Cable)	2.000		\$0.18	\$ -	
Total Machinery Charges					\$ -	
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	2.000		\$31.05	\$ -	
	Electrical Worker	2.000		\$22.70	\$ -	
	City Laborer Regular	6.000		\$18.97	\$ -	
	Cement Finisher	1.000		\$27.46	\$ -	
Sub-Total Labor Cost					\$ -	
Fringe Benefit Rate @ 91.84%					\$ -	
Total Labor Cost					\$ -	
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	concrete	30" dia. X 96" high conc.base 1.454 cu.yds		\$80.00	\$ -	
	11 1/2" dia. steel pole insert			\$2,000.00	\$ -	
	30" dia.x 8 ft. high cardboard tube			\$170.00	\$ -	
Sub-Total Material Cost					\$ -	
Indirect Cost Factor @ 12.21%					\$ -	
Total Material Cost					\$ -	
TOTAL COST					\$ -	
Total Cost Per Unit					#DIV/0!	
Total Excluded Cost					\$ -	

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-52 Item: INSTALL 6'-0" UPSWEEP BRACKET (WOOD POLE MOUNTING)						
Quantity: Unit: EACH						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Aerial/Boom Trucks	0.750		\$6.63	\$ -	
Total Machinery Charges					\$ -	
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic	0.750		\$29.55	\$ -	
	Electrical Worker	0.750		\$22.70	\$ -	
Sub-Total Labor Cost					\$ -	
Fringe Benefit Rate @ 91.84%					\$ -	
Total Labor Cost					\$ -	
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	6' upsweep bracket for wood pole mtg.			\$80.11	\$ -	
Sub-Total Material Cost					\$ -	
Indirect Cost Factor @ 12.21%					\$ -	
Total Material Cost					\$ -	
TOTAL COST					\$ -	
Total Cost Per Unit					#DIV/0!	
Total Excluded Cost					\$ -	

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-53 Item: INSTALL 6'-0" 2" AL. MITCHELL UPSWEEP BRACKET						
Quantity: EACH Unit: EACH						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Aerial/Boom Trucks	0.500		\$6.63	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic	0.500		\$29.55	\$	-
	Electrical Worker	0.500		\$22.70	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	Mitchell 6' upsweep bracket		\$42.10	\$		-
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-54 Item: INSTALL SHARP CUT-OFF BRACKET						
Quantity: EACH Unit: EACH						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Aerial/Boom Trucks	0.500		\$6.63	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic	0.500		\$29.55	\$	-
	Electrical Worker	0.500		\$22.70	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	Stub bracket for cut-off fixture		\$19.90	\$		-
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-55 Item: INSTALL A31 MOUNTING CLAMP SINGLE BRACKET						
Quantity: EACH Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Aerial/Boom Trucks	0.250		\$6.63	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.250		\$29.55	\$	-
	Electrical Worker	0.250		\$22.70	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	Item	Amount		Price	Total	
	A31 mounting clamp single bracket			\$24.06	\$	-
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	-
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$	-

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-56 Item: INSTALL A31 MOUNTING CLAMP DOUBLE BRACKET						
Quantity: 3 Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Aerial/Boom Trucks	0.250	0.750	\$6.63	\$	4.97
				Total Machinery Charges	\$	4.97
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.250	0.750	\$29.55	\$	22.16
	Electrical Worker	0.250	0.750	\$22.70	\$	17.03
				Sub-Total Labor Cost	\$	39.19
				Fringe Benefit Rate @ 91.84%	\$	34.45
				Total Labor Cost	\$	73.64
Material Costs:	Item	Amount		Price	Total	
	A31 mounting clamp double bracket	3		\$43.22	\$	129.67
				Sub-Total Material Cost	\$	129.67
				Indirect Cost Factor @ 12.21%	\$	13.15
				Total Material Cost	\$	142.82
				TOTAL COST	\$	221.43
				Total Cost Per Unit	\$	73.81
				Total Excluded Cost	\$	147.79

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-57 Item: INSTALL A21-A26 MOUNTING CLAMP SINGLE BRACKET						
Quantity: 1 Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Aerial/Boom Trucks	0.250	0.250	\$6.63	\$	1.66
					Total Machinery Charges	\$ 1.66
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.250	0.250	\$29.55	\$	7.39
	Electrical Worker	0.250	0.250	\$22.70	\$	5.68
					Sub-Total Labor Cost	\$ 13.07
					Fringe Benefit Rate @ 91.84%	\$ 11.49
					Total Labor Cost	\$ 24.56
Material Costs:	Item	Amount	Price	Total		
	A21/A26 mounting clamp single bracket	1	\$30.81	\$	30.81	
					Sub-Total Material Cost	\$ 30.81
					Indirect Cost Factor @ 12.21%	\$ 3.12
					Total Material Cost	\$ 33.93
					TOTAL COST	\$ 60.15
					Total Cost Per Unit	\$ 60.15
					Total Excluded Cost	\$ 35.59

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-58 Item: INSTALL A21-A26 MOUNTING CLAMP DOUBLE BRACKET						
Quantity: Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Aerial/Boom Trucks	0.250		\$6.63	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.250		\$29.55	\$	-
	Electrical Worker	0.250		\$22.70	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	Item	Amount	Price	Total		
	A21/A26 mounting clamp double bracket		\$38.64	\$	-	
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-59 Item: INSTALL A21-A26 BLACK MILWAUKEE LANTERN CLAMP						
Quantity: EACH Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Aerial/Boom Trucks	0.250		\$6.63	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.250		\$29.55	\$	-
	Electrical Worker	0.250		\$22.70	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	Item	Amount	Price	Total		
	Lantern arm clamp A21/A26 black		\$83.20	\$		-
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-60 Item: INSTALL A31 BLACK MILWAUKEE LANTERN CLAMP						
Quantity: EACH Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Aerial/Boom Trucks	0.250		\$6.63	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.250		\$29.55	\$	-
	Electrical Worker	0.250		\$22.70	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	Item	Amount	Price	Total		
	Lantern arm clamp A31 black		\$96.16	\$		-
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-61 Item: INSTALL 150W/240V BLACK MILWAUKEE LANTERN ARM						
Quantity: EACH Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Aerial/Boom Trucks	0.500		\$6.63	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.500		\$29.55	\$	-
	Electrical Worker	0.500		\$22.70	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	Item	Amount	Price	Total		
	150w lantern arm black		\$400.00	\$		-
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-62 Item: INSTALL A21-A26 GREEN MILWAUKEE LANTERN CLAMP						
Quantity: EACH Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Aerial/Boom Trucks	0.250		\$6.63	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.250		\$29.55	\$	-
	Electrical Worker	0.250		\$22.70	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	Item	Amount	Price	Total		
	Lantern arm clamp A21/A26 green		\$93.17	\$		-
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-63**
 Item: **INSTALL A31 GREEN MILWAUKEE LANTERN CLAMP**

Quantity:
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Aerial/Boom Trucks	0.250		\$6.63	\$ -
Total Machinery Charges						\$ -
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	0.250		\$29.55	\$ -
		Electrical Worker	0.250		\$22.70	\$ -
Sub-Total Labor Cost						\$ -
Fringe Benefit Rate @ 91.84%						\$ -
Total Labor Cost						\$ -
Material Costs:		Item	Amount	Price	Total	
		Lantern arm clamp A31 green		\$91.05	\$ -	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ -
Total Cost Per Unit						#DIV/0!
Total Excluded Cost						\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-64**
 Item: **INSTALL 150W240V GREEN MILWAUKEE LANTERN ARM**

Quantity:
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Aerial/Boom Trucks	0.500		\$6.63	\$ -
Total Machinery Charges						\$ -
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	0.500		\$29.55	\$ -
		Electrical Worker	0.500		\$22.70	\$ -
Sub-Total Labor Cost						\$ -
Fringe Benefit Rate @ 91.84%						\$ -
Total Labor Cost						\$ -
Material Costs:		Item	Amount	Price	Total	
		150w lantern arm green		\$511.77	\$ -	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ -
Total Cost Per Unit						#DIV/0!
Total Excluded Cost						\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-65**
 Item: **INSTALL 250W/240V GREEN MILWAUKEE LANTERN ARM**

Quantity:
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Aerial/Boom Trucks	0.500		\$6.63	\$ -
Total Machinery Charges						\$ -
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	0.500		\$29.55	\$ -
		Electrical Worker	0.500		\$22.70	\$ -
Sub-Total Labor Cost						\$ -
Fringe Benefit Rate @ 91.84%						\$ -
Total Labor Cost						\$ -
Material Costs:		Item	Amount	Price	Total	
		250w lantern arm green		\$353.89	\$ -	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ -
Total Cost Per Unit						#DIV/0!
Total Excluded Cost						\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-66**
 Item: **INSTALL SERIES WITHOUT BALLAST GREEN MILWAUKEE LANTERN ARM**

Quantity:
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Aerial/Boom Trucks	0.500		\$6.63	\$ -
Total Machinery Charges						\$ -
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	0.500		\$29.55	\$ -
		Electrical Worker	0.500		\$22.70	\$ -
Sub-Total Labor Cost						\$ -
Fringe Benefit Rate @ 91.84%						\$ -
Total Labor Cost						\$ -
Material Costs:		Item	Amount	Price	Total	
		lantern arm no-ballast green		\$194.25	\$ -	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ -
Total Cost Per Unit						#DIV/0!
Total Excluded Cost						\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-67**
 Item: **INSTALL 250W/240V BLACK MILWAUKEE LANTERN ARM**

Quantity:
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Aerial/Boom Trucks	0.500		\$6.63	\$ -
Total Machinery Charges						\$ -
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	0.500		\$29.55	\$ -
		Electrical Worker	0.500		\$22.70	\$ -
Sub-Total Labor Cost						\$ -
Fringe Benefit Rate @ 91.84%						\$ -
Total Labor Cost						\$ -
Material Costs:		Item	Amount	Price	Total	
		250w lantern arm black		\$392.14	\$ -	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ -
Total Cost Per Unit						#DIV/0!
Total Excluded Cost						\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-68**
 Item: **INSTALL SERIES WITHOUT BALLAST BLACK MILWAUKEE LANTERN ARM**

Quantity:
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Aerial/Boom Trucks	0.500		\$6.63	\$ -
Total Machinery Charges						\$ -
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	0.500		\$29.55	\$ -
		Electrical Worker	0.500		\$22.70	\$ -
Sub-Total Labor Cost						\$ -
Fringe Benefit Rate @ 91.84%						\$ -
Total Labor Cost						\$ -
Material Costs:		Item	Amount	Price	Total	
		lantern arm no-ballast black		\$369.79	\$ -	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ -
Total Cost Per Unit						#DIV/0!
Total Excluded Cost						\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-69 Item: INSTALL CROSS ARM						
Quantity: EACH Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Aerial/Boom Trucks	0.500		\$6.63	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.500		\$29.55	\$	-
	Electrical Worker	0.500		\$22.70	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	Item	Amount	Price	Total		
	Cross arm fir, 4 pin (Old Item# 1204243)		\$26.34	\$		-
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-70 Item: REMOVE BRACKET AND FIXTURE COMPLETE						
Quantity: EACH Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Aerial/Boom Trucks	0.500		\$6.63	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.500		\$29.55	\$	-
	Electrical Worker	0.500		\$22.70	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	Item	Amount	Price	Total		
						\$ -
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-71 Item: INSTALL 100W/240V SLIPFIT FIXTURE, TYPE 2 OPTICS, & 100 WATT HIGH PRESSURE SODIUM LAMP						
Quantity: Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Aerial/Boom Trucks	0.750		\$6.63	\$	-
Total Machinery Charges					\$	-
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.750		\$29.55	\$	-
	Electrical Worker	0.750		\$22.70	\$	-
Sub-Total Labor Cost					\$	-
Fringe Benefit Rate @ 91.84%					\$	-
Total Labor Cost					\$	-
Material Costs:	Item	Amount	Price	Total		
	slip fit head 100w/240v.		\$59.74	\$	-	
	type II optical assembly		\$38.61	\$	-	
	100 watt H.P.S lamp		\$11.64	\$	-	
Sub-Total Material Cost					\$	-
Indirect Cost Factor @ 12.21%					\$	-
Total Material Cost					\$	-
TOTAL COST					\$	-
Total Cost Per Unit					#DIV/0!	
Total Excluded Cost					\$	-

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-72 Item: INSTALL 100W/240V SLIPFIT FIXTURE, TYPE 5 OPTICS & 100 WATT HIGH PRESSURE SODIUM LAMP						
Quantity: Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Aerial/Boom Trucks	0.750		\$6.63	\$	-
Total Machinery Charges					\$	-
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.750		\$29.55	\$	-
	Electrical Worker	0.750		\$22.70	\$	-
Sub-Total Labor Cost					\$	-
Fringe Benefit Rate @ 91.84%					\$	-
Total Labor Cost					\$	-
Material Costs:	Item	Amount	Price	Total		
	slip fit head 100w/240v.		\$59.74	\$	-	
	type V optical assembly		\$31.14	\$	-	
	100 watt H.P.S lamp		\$11.64	\$	-	
Sub-Total Material Cost					\$	-
Indirect Cost Factor @ 12.21%					\$	-
Total Material Cost					\$	-
TOTAL COST					\$	-
Total Cost Per Unit					#DIV/0!	
Total Excluded Cost					\$	-

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-73**
 Item: **INSTALL SERIES WITHOUT BALLAST SLIPFIT FIXTURE, 55 VOLT IGNITOR, TYPE 2 OPTICS & 100 WATT HIGH PRESSURE SODIUM LAMP**
 Quantity:
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Aerial/Boom Trucks	0.750		\$6.63	\$ -
Total Machinery Charges						\$ -
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	0.750		\$29.55	\$ -
		Electrical Worker	0.750		\$22.70	\$ -
Sub-Total Labor Cost						\$ -
Fringe Benefit Rate @ 91.84%						\$ -
Total Labor Cost						\$ -
Material Costs:		Item	Amount	Price	Total	
		slip fit head no-ballast		\$28.75	\$ -	
		type II optical assembly		\$38.61	\$ -	
		100 watt H.P.S lamp		\$11.64	\$ -	
		55 volt starting aid (ignitor)		\$33.57	\$ -	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ -
Total Cost Per Unit						#DIV/0!
Total Excluded Cost						\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-74**
 Item: **INSTALL SERIES WITHOUT BALLAST SLIPFIT FIXTURE, 55 VOLT IGNITOR, TYPE 5 OPTICS & 100 WATT HIGH PRESSURE SODIUM LAMP**
 Quantity:
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Aerial/Boom Trucks	0.750		\$6.63	\$ -
Total Machinery Charges						\$ -
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	0.750		\$29.55	\$ -
		Electrical Worker	0.750		\$22.70	\$ -
Sub-Total Labor Cost						\$ -
Fringe Benefit Rate @ 91.84%						\$ -
Total Labor Cost						\$ -
Material Costs:		Item	Amount	Price	Total	
		slip fit head no-ballast		\$28.75	\$ -	
		type V optical assembly		\$31.14	\$ -	
		100 watt H.P.S lamp		\$11.64	\$ -	
		55 volt starting aid (ignitor)		\$33.57	\$ -	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ -
Total Cost Per Unit						#DIV/0!
Total Excluded Cost						\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-75**
 Item: **INSTALL 150W/240V COBRA FIXTURE & 150 WATT HIGH PRESSURE SODIUM LAMP**

Quantity: 1
 Unit: EACH

Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Aerial/Boom Trucks	0.750	0.750	\$6.63	\$ 4.97
Total Machinery Charges					\$ 4.97
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic	0.750	0.750	\$29.55	\$ 22.16
	Electrical Worker	0.750	0.750	\$22.70	\$ 17.03
Sub-Total Labor Cost					\$ 39.19
Fringe Benefit Rate @ 91.84%					\$ 34.45
Total Labor Cost					\$ 73.64
Material Costs:	Item	Amount	Price	Total	
	150 watt/240 volt cobra fixture	1	\$89.29	\$ 89.29	
	150 watt H.P.S. lamp	1	\$10.17	\$ 10.17	
Sub-Total Material Cost					\$ 99.46
Indirect Cost Factor @ 12.21%					\$ 10.08
Total Material Cost					\$ 109.54
TOTAL COST					\$ 188.15
Total Cost Per Unit					\$ 188.15
Total Excluded Cost					\$ 114.51

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-76**
 Item: **INSTALL 250W/240V COBRA FIXTURE & 250 WATT HIGH PRESSURE SODIUM LAMP**

Quantity: 6
 Unit: EACH

Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Aerial/Boom Trucks	0.750	4.500	\$6.63	\$ 29.84
Total Machinery Charges					\$ 29.84
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic	0.750	4.500	\$29.55	\$ 132.98
	Electrical Worker	0.750	4.500	\$22.70	\$ 102.15
Sub-Total Labor Cost					\$ 235.13
Fringe Benefit Rate @ 91.84%					\$ 206.68
Total Labor Cost					\$ 441.81
Material Costs:	Item	Amount	Price	Total	
	250 watt/240 volt cobra fixture	6	\$100.70	\$ 604.20	
	250 watt H.P.S. lamp	6	\$10.37	\$ 62.21	
Sub-Total Material Cost					\$ 666.41
Indirect Cost Factor @ 12.21%					\$ 67.57
Total Material Cost					\$ 733.98
TOTAL COST					\$ 1,205.63
Total Cost Per Unit					\$ 200.94
Total Excluded Cost					\$ 763.82

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-77**
 Item: **INSTALL SERIES WITHOUT BALLAST COBRA FIXTURE, 55 VOLT IGNITOR & 150 WATT HIGH PRESSURE SODIUM LAMP**

Quantity:
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Aerial/Boom Trucks	0.750		\$6.63	\$ -
Total Machinery Charges						\$ -
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	0.750		\$29.55	\$ -
		Electrical Worker	0.750		\$22.70	\$ -
Sub-Total Labor Cost						\$ -
Fringe Benefit Rate @ 91.84%						\$ -
Total Labor Cost						\$ -
Material Costs:		Item	Amount	Price	Total	
		150/250 watt cobra no-ballast		\$54.96	\$ -	
		150 watt H.P.S. lamp		\$10.17	\$ -	
		55 volt starting aid (ignitor)		\$33.57	\$ -	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ -
Total Cost Per Unit						#DIV/0!
Total Excluded Cost						\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-78**
 Item: **INSTALL SERIES WITHOUT BALLAST COBRA FIXTURE, 100 VOLT IGNITOR & 250 WATT HIGH PRESSURE SODIUM LAMP**

Quantity:
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Aerial/Boom Trucks	0.750		\$6.63	\$ -
Total Machinery Charges						\$ -
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	0.750		\$29.55	\$ -
		Electrical Worker	0.750		\$22.70	\$ -
Sub-Total Labor Cost						\$ -
Fringe Benefit Rate @ 91.84%						\$ -
Total Labor Cost						\$ -
Material Costs:		Item	Amount	Price	Total	
		150/250 watt cobra no-ballast		\$54.96	\$ -	
		250 watt H.P.S. lamp		\$10.37	\$ -	
		100 volt starting aid (ignitor)		\$32.60	\$ -	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ -
Total Cost Per Unit						#DIV/0!
Total Excluded Cost						\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-79 Item: INSTALL 70W/240V WALL PACK FIXTURE & 70 WATT HIGH PRESSURE SODIUM LAMP						
Quantity: Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Aerial/Boom Trucks	1.500		\$6.63	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	1.500		\$29.55	\$	-
	Electrical Worker	1.500		\$22.70	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	Item	Amount	Price	Total		
	70w/240v. wall pack fixture		\$186.07	\$	-	
	70 watt H.P.S. lamp		\$12.13	\$	-	
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-80 Item: INSTALL 70W/240V BLACK MILWAUKEE HARP, & 70 WATT HIGH PRESSURE SODIUM LAMP						
Quantity: Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Aerial/Boom Trucks	1.500		\$6.63	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	1.500		\$29.55	\$	-
	Electrical Worker	1.500		\$22.70	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	Item	Amount	Price	Total		
	70w Milwaukee harp fixture black		\$733.62	\$	-	
	70 watt H.P.S. lamp		\$12.13	\$	-	
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-81**
 Item: **INSTALL SERIES WITHOUT BALLAST BLACK MILWAUKEE HARP, 55 VOLT IGNITOR, & 70 WATT HIGH PRESSURE SODIUM LAMP**

Quantity:
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Aerial/Boom Trucks	1.500		\$6.63	\$ -
Total Machinery Charges						\$ -
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	1.500		\$29.55	\$ -
		Electrical Worker	1.500		\$22.70	\$ -
Sub-Total Labor Cost						\$ -
Fringe Benefit Rate @ 91.84%						\$ -
Total Labor Cost						\$ -
Material Costs:		Item	Amount	Price	Total	
		70w Milwaukee harp fixture black		\$733.62	\$ -	
		55 volt starting aid (ignitor)		\$33.57	\$ -	
		70 watt H.P.S. lamp		\$12.13	\$ -	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ -
Total Cost Per Unit						#DIV/0!
Total Excluded Cost						\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-82**
 Item: **INSTALL GREEN MILWAUKEE LANTERN FIXTURE, & 150 WATT HIGH PRESSURE SODIUM LAMP**

Quantity:
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Aerial/Boom Trucks	0.750		\$6.63	\$ -
Total Machinery Charges						\$ -
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	0.750		\$29.55	\$ -
		Electrical Worker	0.750		\$22.70	\$ -
Sub-Total Labor Cost						\$ -
Fringe Benefit Rate @ 91.84%						\$ -
Total Labor Cost						\$ -
Material Costs:		Item	Amount	Price	Total	
		Milwaukee lantern green		\$322.26	\$ -	
		150 watt H.P.S. lamp		\$10.17	\$ -	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ -
Total Cost Per Unit						#DIV/0!
Total Excluded Cost						\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-83**
 Item: **INSTALL GREEN MILWAUKEE LANTERN FIXTURE, & 250 WATT HIGH PRESSURE SODIUM LAMP**
 Quantity:
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Aerial/Boom Trucks	0.750		\$6.63	\$ -
Total Machinery Charges						\$ -
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	0.750		\$29.55	\$ -
		Electrical Worker	0.750		\$22.70	\$ -
Sub-Total Labor Cost						\$ -
Fringe Benefit Rate @ 91.84%						\$ -
Total Labor Cost						\$ -
Material Costs:		Item	Amount	Price	Total	
		Milwaukee lantern green		\$322.26	\$ -	
		250 watt H.P.S. lamp		\$10.37	\$ -	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ -
Total Cost Per Unit						#DIV/0!
Total Excluded Cost						\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-84**
 Item: **INSTALL 70W/240V GREEN MILWAUKEE HARP, & 70 WATT HIGH PRESSURE SODIUM LAMP**
 Quantity:
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Aerial/Boom Trucks	1.500		\$6.63	\$ -
Total Machinery Charges						\$ -
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	1.500		\$29.55	\$ -
		Electrical Worker	1.500		\$22.70	\$ -
Sub-Total Labor Cost						\$ -
Fringe Benefit Rate @ 91.84%						\$ -
Total Labor Cost						\$ -
Material Costs:		Item	Amount	Price	Total	
		70w Milwaukee harp fixture green		\$494.12	\$ -	
		70 watt H.P.S. lamp		\$12.13	\$ -	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ -
Total Cost Per Unit						#DIV/0!
Total Excluded Cost						\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-85**
 Item: **INSTALL SERIES WITHOUT BALLAST GREEN MILWAUKEE HARP, 55 VOLT IGNITOR, & 70 WATT HIGH PRESSURE SODIUM LAMP**

Quantity:
 Unit: EACH

Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Aerial/Boom Trucks	1.500		\$6.63	\$ -
Total Machinery Charges					\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic	1.500		\$29.55	\$ -
	Electrical Worker	1.500		\$22.70	\$ -
Sub-Total Labor Cost					\$ -
Fringe Benefit Rate @ 91.84%					\$ -
Total Labor Cost					\$ -
Material Costs:	Item	Amount	Price	Total	
	70w Milwaukee harp fixture green		\$494.12	\$ -	
	55 volt starting aid (ignitor)		\$33.57	\$ -	
	70 watt H.P.S. lamp		\$12.13	\$ -	
Sub-Total Material Cost					\$ -
Indirect Cost Factor @ 12.21%					\$ -
Total Material Cost					\$ -
TOTAL COST					\$ -
Total Cost Per Unit					#DIV/0!
Total Excluded Cost					\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-86**
 Item: **INSTALL BLACK MILWAUKEE LANTERN FIXTURE, & 150 WATT HIGH PRESSURE SODIUM LAMP**

Quantity:
 Unit: EACH

Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Aerial/Boom Trucks	0.750		\$6.63	\$ -
Total Machinery Charges					\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic	0.750		\$29.55	\$ -
	Electrical Worker	0.750		\$22.70	\$ -
Sub-Total Labor Cost					\$ -
Fringe Benefit Rate @ 91.84%					\$ -
Total Labor Cost					\$ -
Material Costs:	Item	Amount	Price	Total	
	Milwaukee lantern black		\$409.18	\$ -	
	150 watt H.P.S. lamp		\$10.17	\$ -	
Sub-Total Material Cost					\$ -
Indirect Cost Factor @ 12.21%					\$ -
Total Material Cost					\$ -
TOTAL COST					\$ -
Total Cost Per Unit					#DIV/0!
Total Excluded Cost					\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-87 Item: INSTALL BLACK MILWAUKEE LANTERN FIXTURE, & 250 WATT HIGH PRESSURE SODIUM LAMP						
Quantity: EACH Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Aerial/Boom Trucks	0.750		\$6.63	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.750		\$29.55	\$	-
	Electrical Worker	0.750		\$22.70	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	Item	Amount	Price	Total		
	Milwaukee lantern black 250 watt H.P.S. lamp		\$409.18 \$10.37	\$	\$	- -
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-88 Item: INSTALL 250W/240V SHARP CUT-OFF FIXTURE & 250 WATT HIGH PRESSURE SODIUM LAMP						
Quantity: EACH Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Aerial/Boom Trucks	1.500		\$6.63	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	1.500		\$29.55	\$	-
	Electrical Worker	1.500		\$22.70	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	Item	Amount	Price	Total		
	250 watt/240 volt cut-off fixture 250 watt H.P.S. lamp		\$364.11 \$10.37	\$	\$	- -
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-89**
 Item: **INSTALL 70 WATT SINGLE COIL BALLAST**

Quantity:
 Unit: EACH

Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Van [Heavy]	2.75		\$2.85	\$ -
Total Machinery Charges					\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic	2.75		\$29.55	\$ -
	City Laborer Regular	2.75		\$18.97	\$ -
Sub-Total Labor Cost					\$ -
Fringe Benefit Rate @ 91.84%					\$ -
Total Labor Cost					\$ -
Material Costs:	Item	Amount	Price	Total	
	70 watt HPS single coil series ballast		\$162.15	\$ -	
Sub-Total Material Cost					\$ -
Indirect Cost Factor @ 12.21%					\$ -
Total Material Cost					\$ -
TOTAL COST					\$ -
Total Cost Per Unit					#DIV/0!
Total Excluded Cost					\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-90**
 Item: **INSTALL 70 WATT DOUBLE COIL BALLAST**

Quantity:
 Unit: EACH

Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Van [Heavy]	2.75		\$2.85	\$ -
Total Machinery Charges					\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic	2.75		\$29.55	\$ -
	City Laborer Regular	2.75		\$18.97	\$ -
Sub-Total Labor Cost					\$ -
Fringe Benefit Rate @ 91.84%					\$ -
Total Labor Cost					\$ -
Material Costs:	Item	Amount	Price	Total	
	70 watt HPS double coil series ballast		\$315.06	\$ -	
Sub-Total Material Cost					\$ -
Indirect Cost Factor @ 12.21%					\$ -
Total Material Cost					\$ -
TOTAL COST					\$ -
Total Cost Per Unit					#DIV/0!
Total Excluded Cost					\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-91**
 Item: **INSTALL 70 WATT TRIPLE COIL BALLAST**

Quantity:
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Van [Heavy]	2.75		\$2.85	\$ -
Total Machinery Charges						\$ -
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	2.75		\$29.55	\$ -
		City Laborer Regular	2.75		\$18.97	\$ -
Sub-Total Labor Cost						\$ -
Fringe Benefit Rate @ 91.84%						\$ -
Total Labor Cost						\$ -
Material Costs:		Item	Amount	Price	Total	
		70 watt HPS triple coil series ballast		\$348.81	\$ -	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ -
Total Cost Per Unit						#DIV/0!
Total Excluded Cost						\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-92**
 Item: **INSTALL 100 WATT SINGLE COIL BALLAST**

Quantity:
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Van [Heavy]	2.75		\$2.85	\$ -
Total Machinery Charges						\$ -
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	2.75		\$29.55	\$ -
		City Laborer Regular	2.75		\$18.97	\$ -
Sub-Total Labor Cost						\$ -
Fringe Benefit Rate @ 91.84%						\$ -
Total Labor Cost						\$ -
Material Costs:		Item	Amount	Price	Total	
		100 watt HPS single coil series ballast		\$203.88	\$ -	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ -
Total Cost Per Unit						#DIV/0!
Total Excluded Cost						\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-93**
 Item: **INSTALL 100 WATT DOUBLE COIL BALLAST**

Quantity:
 Unit: EACH

Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Van [Heavy]	2.75		\$2.85	\$ -
Total Machinery Charges					\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic	2.75		\$29.55	\$ -
	City Laborer Regular	2.75		\$18.97	\$ -
Sub-Total Labor Cost					\$ -
Fringe Benefit Rate @ 91.84%					\$ -
Total Labor Cost					\$ -
Material Costs:	Item	Amount	Price	Total	
	100 watt HPS double coil series ballast		\$252.63	\$ -	
Sub-Total Material Cost					\$ -
Indirect Cost Factor @ 12.21%					\$ -
Total Material Cost					\$ -
TOTAL COST					\$ -
Total Cost Per Unit					#DIV/0!
Total Excluded Cost					\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-94**
 Item: **INSTALL 100 WATT TRIPLE COIL BALLAST**

Quantity:
 Unit: EACH

Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Van [Heavy]	2.75		\$2.85	\$ -
Total Machinery Charges					\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic	2.75		\$29.55	\$ -
	City Laborer Regular	2.75		\$18.97	\$ -
Sub-Total Labor Cost					\$ -
Fringe Benefit Rate @ 91.84%					\$ -
Total Labor Cost					\$ -
Material Costs:	Item	Amount	Price	Total	
	100 watt HPS triple coil series ballast		\$467.78	\$ -	
Sub-Total Material Cost					\$ -
Indirect Cost Factor @ 12.21%					\$ -
Total Material Cost					\$ -
TOTAL COST					\$ -
Total Cost Per Unit					#DIV/0!
Total Excluded Cost					\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-95**
 Item: **INSTALL 150 WATT SINGLE COIL BALLAST**

Quantity:
 Unit: EACH

Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Van [Heavy]	2.75		\$2.85	\$ -
Total Machinery Charges					\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic	2.75		\$29.55	\$ -
	City Laborer Regular	2.75		\$18.97	\$ -
Sub-Total Labor Cost					\$ -
Fringe Benefit Rate @ 91.84%					\$ -
Total Labor Cost					\$ -
Material Costs:	Item	Amount	Price	Total	
	150 watt HPS single coil series ballast		\$174.88	\$ -	
Sub-Total Material Cost					\$ -
Indirect Cost Factor @ 12.21%					\$ -
Total Material Cost					\$ -
TOTAL COST					\$ -
Total Cost Per Unit					#DIV/0!
Total Excluded Cost					\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-96**
 Item: **INSTALL 150 WATT DOUBLE COIL BALLAST**

Quantity:
 Unit: EACH

Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Van [Heavy]	2.75		\$2.85	\$ -
\$18.97					
Total Machinery Charges					\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic	2.75		\$29.55	\$ -
	City Laborer Regular	2.75		\$ -	\$ -
Sub-Total Labor Cost					\$ -
Fringe Benefit Rate @ 91.84%					\$ -
Total Labor Cost					\$ -
Material Costs:	Item	Amount	Price	Total	
	150 watt HPS double coil series ballast		\$356.51	\$ -	
Sub-Total Material Cost					\$ -
Indirect Cost Factor @ 12.21%					\$ -
Total Material Cost					\$ -
TOTAL COST					\$ -
Total Cost Per Unit					#DIV/0!
Total Excluded Cost					\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-97**
 Item: **INSTALL 250 WATT SINGLE COIL BALLAST**

Quantity:
 Unit: EACH

Machinery Charges:						
	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Van [Heavy]	2.75		\$2.85	\$	-
Total Machinery Charges					\$	-
Labor Costs:						
	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	2.75		\$29.55	\$	-
	City Laborer Regular	2.75		\$18.97	\$	-
Sub-Total Labor Cost					\$	-
Fringe Benefit Rate @ 91.84%					\$	-
Total Labor Cost					\$	-
Material Costs:						
	Item	Amount	Price	Total		
	250 watt HPS single coil series ballast		\$236.16	\$	-	
Sub-Total Material Cost					\$	-
Indirect Cost Factor @ 12.21%					\$	-
Total Material Cost					\$	-
TOTAL COST					\$	-
Total Cost Per Unit					#DIV/0!	
Total Excluded Cost					\$	-

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-98**
 Item: **INSTALL 250 WATT DOUBLE COIL BALLAST**

Quantity:
 Unit: EACH

Machinery Charges:						
	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Van [Heavy]	2.75		\$2.85	\$	-
Total Machinery Charges					\$	-
Labor Costs:						
	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	2.75		\$29.55	\$	-
	City Laborer Regular	2.75		\$18.97	\$	-
Sub-Total Labor Cost					\$	-
Fringe Benefit Rate @ 91.84%					\$	-
Total Labor Cost					\$	-
Material Costs:						
	Item	Amount	Price	Total		
	250 watt HPS double coil series ballast		\$414.36	\$	-	
Sub-Total Material Cost					\$	-
Indirect Cost Factor @ 12.21%					\$	-
Total Material Cost					\$	-
TOTAL COST					\$	-
Total Cost Per Unit					#DIV/0!	
Total Excluded Cost					\$	-

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-99 Item: SECONDARY SPLICE						
Quantity: 1 Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Van [Heavy]	1.25	1.250	\$2.85	\$	3.56
					Total Machinery Charges	\$ 3.56
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	1.25	1.250	\$29.55	\$	36.94
	City Laborer Regular	1.25	1.250	\$18.97	\$	23.71
					Sub-Total Labor Cost	\$ 60.65
					Fringe Benefit Rate @ 91.84%	\$ 53.31
					Total Labor Cost	\$ 113.96
Material Costs:	Item	Amount	Price	Total		
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ 117.52
					Total Cost Per Unit	\$ 117.52
					Total Excluded Cost	\$ 3.56

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-100 Item: SPLICE 1#8 PRIMARY						
Quantity: Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Van [Heavy]	1.5		\$2.85	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	1.5		\$29.55	\$	-
	City Laborer Regular	1.5		\$18.97	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	Item	Amount	Price	Total		
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-101 Item: SPLICE 2#8 PRIMARY						
Quantity: Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Van [Heavy]	2.5		\$2.85	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	2.5		\$29.55	\$	-
	City Laborer Regular	2.5		\$18.97	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	Item	Amount	Price	Total		
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-102 Item: SPLICE "Y"						
Quantity: Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Van [Heavy]	2.5		\$2.85	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	2.5		\$29.55	\$	-
	City Laborer Regular	2.5		\$18.97	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	Item	Amount	Price	Total		
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-103 Item: HAND HOLE OR PEDESTAL SPLICE						
Quantity: 9 Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Van [Heavy]	0.75	6.750	\$2.85	\$	19.24
					Total Machinery Charges	\$ 19.24
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.75	6.750	\$29.55	\$	199.46
	City Laborer Regular	0.75	6.750	\$18.97	\$	128.05
					Sub-Total Labor Cost	\$ 327.51
					Fringe Benefit Rate @ 91.84%	\$ 287.88
					Total Labor Cost	\$ 615.39
Material Costs:	Item	Amount	Price	Total		
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ 634.63
					Total Cost Per Unit	\$ 70.51
					Total Excluded Cost	\$ 19.24

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-104 Item: INSTALL LIGHTNING ARRESTOR						
Quantity: Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Aerial/Boom Trucks	0.250		\$6.63	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.250		\$29.55	\$	-
	Electrical Worker	0.250		\$22.70	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	Item	Amount	Price	Total		
	Lightning arrestor			\$44.86	\$	-
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-105 Item: REMOVE UNDERGROUND BALLAST						
Quantity: EACH Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Van [Heavy]	3		\$2.85	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	3		\$29.55	\$	-
	Special Laborer Electrical Services	3		\$20.82	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	Item	Amount	Price	Total		
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-107 Item: REMOVE GROUND & TEST STATION						
Quantity: EACH Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Van [Heavy]	2		\$2.85	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	2		\$29.55	\$	-
	City Laborer Regular	2		\$18.97	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	Item	Amount	Price	Total		
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-108**
 Item: **INSTALLATION OF PRIMARY / SECONDARY RISER**

Quantity: 4
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Aerial/Boom Trucks	1.000	4.000	\$6.63	\$ 26.52
Total Machinery Charges						\$ 26.52
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	1.000	4.000	\$29.55	\$ 118.20
		Electrical Worker	1.000	4.000	\$22.70	\$ 90.80
Sub-Total Labor Cost						\$ 209.00
Fringe Benefit Rate @ 91.84%						\$ 183.71
Total Labor Cost						\$ 392.71
Material Costs:		Item	Amount	Price	Total	
		Resin & hardener, epoxy electrical grade	80	\$2.93	\$ 234.04	
		Tape, electrical, 3/4 in. X 15 ft. semi-conducting		\$9.09		
Sub-Total Material Cost						\$ 234.04
Indirect Cost Factor @ 12.21%						\$ 23.73
Total Material Cost						\$ 257.77
TOTAL COST						\$ 677.00
Total Cost Per Unit						\$ 169.25
Total Excluded Cost						\$ 284.29

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-109**
 Item: **REMOVAL OF PRIMARY / SECONDARY RISER**

Quantity: 4
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Aerial/Boom Trucks	1.000	4.000	\$6.63	\$ 26.52
Total Machinery Charges						\$ 26.52
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	1.000	4.000	\$29.55	\$ 118.20
		Electrical Worker	1.000	4.000	\$22.70	\$ 90.80
Sub-Total Labor Cost						\$ 209.00
Fringe Benefit Rate @ 91.84%						\$ 183.71
Total Labor Cost						\$ 392.71
Material Costs:		Item	Amount	Price	Total	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ 419.23
Total Cost Per Unit						\$ 104.81
Total Excluded Cost						\$ 26.52

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-110						
Item: BREAK OUT CONCRETE WALK						
Quantity: 50						
Unit: SQ.FT.						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Compressors	0.222	11.100	\$1.04	\$	11.54
	Pickup	0.222	11.100	\$2.35	\$	26.09
	Van [Heavy]	0.222	11.100	\$2.85	\$	31.64
				Total Machinery Charges	\$	69.27
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Worker	0.222	11.100	\$22.70	\$	251.97
				Sub-Total Labor Cost	\$	251.97
				Fringe Benefit Rate @ 91.84%	\$	221.48
				Total Labor Cost	\$	473.45
Material Costs:	Item	Amount	Price	Total		
				\$	-	
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	542.72
				Total Cost Per Unit	\$	10.85
				Total Excluded Cost	\$	69.27

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-111						
Item: SAW CUT CONCRETE						
Quantity: 100						
Unit: Lin.Ft.						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Compressors	0.222	22.200	\$1.04	\$	23.09
	Pickup	0.222	22.200	\$2.35	\$	52.17
	Van [Heavy]	0.222	22.200	\$2.85	\$	63.27
				Total Machinery Charges	\$	138.53
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Special Laborer Electrical Services	0.222	22.200	\$20.82	\$	462.20
				Sub-Total Labor Cost	\$	462.20
				Fringe Benefit Rate @ 91.84%	\$	406.27
				Total Labor Cost	\$	868.47
Material Costs:	Item	Amount	Price	Total		
				\$	-	
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	1,007.00
				Total Cost Per Unit	\$	10.07
				Total Excluded Cost	\$	138.53

Project ID:	1060-36-90				
Highway:	Zoo Interchange				
County:	Milwaukee				
Item Number:	90005-112				
Item:	CONCRETE RESTORATION (5" DEPTH)				
Quantity:	50	Unit:	SQ.FT.		
Converted:	20.833	Unit:	CU..FT.		
Converted:	0.7716	Unit:	CU..YD.		
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Pickup	0.1666	8.3300	\$2.35	\$ 19.58
	Compressors	0.1666	8.3300	\$1.04	\$ 8.66
	Total Machinery Charges				\$ 28.24
Labor Costs:	Position	Each Square Foot Unit	Total Hours	Hourly Rate	Total
	Cement Finisher	0.1666	8.3300	\$27.46	\$ 228.74
	Special Laborer Electrical Services	0.1666	8.3300	\$20.82	\$ 173.43
	Special Laborer Electrical Services	0.1666	8.3300	\$20.82	\$ 173.43
	Sub-Total Labor Cost				\$ 575.60
	Fringe Benefit Rate @ 91.84%				\$ 505.95
	Total Labor Cost				\$ 1,081.55
Material Costs:	Item	Amount (cu.yd.)	Price	Total	
	concrete	(cubic yard)	0.7716	\$80.00	\$ 61.73
	Sub-Total Material Cost				\$ 61.73
	Indirect Cost Factor @ 12.21%				\$ 6.26
	Total Material Cost				\$ 67.99
	TOTAL COST				\$ 1,177.78
	Total Cost Per Unit				\$ 23.56
	Total Excluded Cost				\$ 96.23

Project ID:	1060-36-90				
Highway:	Zoo Interchange				
County:	Milwaukee				
Item Number:	90005-113				
Item:	100 AMP 120/240 VOLT PAD MOUNT SERVICE CABINET (GREEN)				
Quantity:	Each				
Unit:	Each				
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Dump Truck (Med. & Lrg.)	5.000		\$5.77	\$ -
	Pickup	0.2500	12.5000	\$2.35	\$ 29.38
	Total Machinery Charges				\$ 29.38
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic	5.000		\$29.55	\$ -
	Electrical Worker	5.000		\$22.70	\$ -
	Cement Finisher	0.500		\$27.46	\$ -
	Machinist II	3.000		\$27.95	\$ -
	Sub-Total Labor Cost				\$ -
	Fringe Benefit Rate @ 91.84%				\$ -
	Total Labor Cost				\$ -
Material Costs:	Item	Amount	Price	Total	
	Outlet Cab/Lgt Comm.Distr. MeterPed. 100 amp,120/240 volt,single phase,3			\$2,369.00	\$ -
	5/8" x 8' ground rod (Old Item# 1278870)			\$10.00	\$ -
	concrete (0.07 cubic yard)			\$80.00	\$ -
	Metal pedestal base (Fabricated)			\$100.00	\$ -
	Sub-Total Material Cost				\$ -
	Indirect Cost Factor @ 12.21%				\$ -
	Total Material Cost				\$ -
	TOTAL COST				\$ 29.38
	Total Cost Per Unit				#DIV/0!
	Total Excluded Cost				\$ 29.38

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-114						
Item: 50 KVA 240/480 VOLT POWER DISTRIBUTION PAD MOUNT ENCLOSURE (BROWN)						
Quantity: Each						
Unit: Each						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Dump Truck (Med. & Lrg.)	3.000		\$5.77	\$	-
	Dump Truck (Small)	3.000		\$3.63	\$	-
	Trailers (Pole & Cable)	3.000		\$0.18	\$	-
	Pickup	70.000		\$2.35	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic (crew chief)	3.000		\$31.05	\$	-
	Electrical Mechanic	66.000		\$29.55	\$	-
	Electrical Worker	69.000		\$22.70	\$	-
	City Laborer Regular	17.000		\$18.97	\$	-
	Cement Finisher	4.000		\$27.46	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	Item	Amount		Price	Total	
	transclosure, housing only, 54 in. X 54 in. X 71 in, steel, 1 gang			\$11,919.94	\$	-
	50 kva 2200-7620 240/480 transformer			\$765.63	\$	-
	concrete (2 cubic yard)			\$80.00	\$	-
	5/8" x 8' ground rod (Old Item# 1278870)			\$10.00	\$	-
	1/0 bare copper wire			\$2.00	\$	-
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	-
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$	-

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-115						
Item: 37.5 KVA 240/480 VOLT POWER DISTRIBUTION PAD MOUNT ENCLOSURE (BROWN)						
Quantity: Each						
Unit: Each						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Dump Truck (Med. & Lrg.)	3.000		\$5.77	\$	-
	Dump Truck (Small)	3.000		\$3.63	\$	-
	Trailers (Pole & Cable)	3.000		\$0.18	\$	-
	Pickup	70.0000		\$2.35	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic (crew chief)	3.000		\$31.05	\$	-
	Electrical Mechanic	66.000		\$29.55	\$	-
	Electrical Worker	69.000		\$22.70	\$	-
	City Laborer Regular	17.000		\$18.97	\$	-
	Cement Finisher	4.0000		\$27.46	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	Item	Amount		Price	Total	
	transclosure, housing only, 54 in. X 54 in. X 71 in, steel, 1 gar			\$11,919.94	\$	-
	37.5 kva 2200-7620 240/480 transformer			\$722.00	\$	-
	concrete (2 cubic yard)			\$80.00	\$	-
	5/8" x 8' ground rod (Old Item# 1278870)			\$17.03	\$	-
	1/0 bare copper wire			\$2.00	\$	-
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	-
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$	-

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-116						
Item: 4*X4*X4* CAST IRON BOX (STEEL CHECKERED PLATE COVER)						
Quantity: EACH						
Unit: EACH						
Machinery Charges:						
	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Compressors	0.500		\$1.04	\$	-
	Pickup	0.500		\$2.35	\$	-
	Van [Heavy]	0.500		\$2.85	\$	-
				Total Machinery Charges	\$	-
Labor Costs:						
	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic (crew chief)	0.500		\$31.05	\$	-
	Electrical Worker	0.500		\$22.70	\$	-
	Laborer Electrical Services	0.500		\$19.37	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:						
	Item	Amount	Price	Total		
	4*X4*X4* Cast Iron Box (Steel Checkered Plate Cover)		\$250.00	\$	-	
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	-
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$	-

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-106						
Item: INSTALL GROUND & TEST STATION						
Quantity: EACH						
Unit: EACH						
Machinery Charges:						
	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Van [Heavy]	4		\$2.85	\$	-
	Compressors	3.5		\$1.04	\$	-
				Total Machinery Charges	\$	-
Labor Costs:						
	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	4		\$29.55	\$	-
	City Laborer Regular	3.5		\$18.97	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:						
	Item	Amount	Price	Total		
	(Two Required) 5/8" x 8' ground rod (Old Item# 1278870)		\$17.03	\$	-	
	Connector, split bolt, 3 conductor 1/0 to 14, AL, to CU, 600v in metal pedestal housing (4"x4"x36")		\$2.33	\$	-	
	heavy duty, bronze, 5/8", 10Sol-1/0Str (Acorn Nut)		\$31.91	\$	-	
	(2 ft. Required) Wire type TW #6 stranded, black		\$8.45	\$	-	
	(10 ft. Required) 1#8 concentric cable - primary		\$0.54	\$	-	
			\$1.67	\$	-	
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	-
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$	-













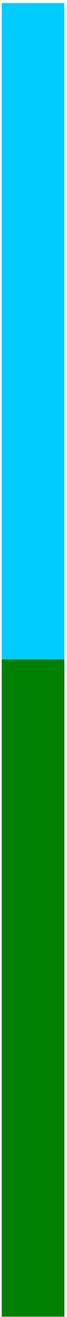
































































































Material Indirect Cost Factor

Changed 10-04-11

1.10140**Material**

1028550	Resin & hardener, epoxy electrical grade	\$	2.93	each	
1201400	55 volt starting aid (ignitor)	\$	33.57	each	
1201401	100 volt starting aid (ignitor)	\$	32.60	each	
1202700	Contact aid, electrical	\$	7.28	each	\$6.79 = 8oz./bottle zin No. 100 or equal
non stock	Cross arm fir, 4 pin (Old Item# 1204243)	\$	26.34	each	
1204329	Lightning arrestor	\$	44.86	each	
1206580	Base, Cast Iron	\$	254.00	each	
1210085	Double harp arm	\$	389.07	each	
1210120	Lantern arm clamp A21/A26 green	\$	93.17	each	
1210121	Lantern arm clamp A21/A26 black	\$	83.20	each	
1210130	Lantern arm clamp A31 green	\$	91.05	each	
1210131	Lantern arm clamp A31 black	\$	96.16	each	
1210151	150w lantern arm green	\$	511.77	each	
1210152	150w lantern arm black	\$	400.00	each	
1210186	Mitchell 6' upsweep bracket	\$	42.10	each	
1210187	Stub bracket for cut-off fixture	\$	19.90	each	
1210190	A31 mounting clamp single bracket	\$	24.06	each	
1210191	A21/A26 mounting clamp single bracket	\$	30.81	each	
1210196	A21/A26 mounting clamp double bracket	\$	38.64	each	
1210197	A31 mounting clamp double bracket	\$	43.22	each	
1210206	6' upsweep bracket for wood pole mtg.	\$	80.11	each	
1210250	250w lantern arm green	\$	353.89	each	
1210251	250w lantern arm black	\$	392.14	each	
1210400	lantern arm no-ballast green	\$	194.25	each	
1210401	lantern arm no-ballast black	\$	369.79	each	
non stock	Bushings, wood, 2 in. (Old Item# 1211860)	\$	0.67	each	for 1#8 F.S. cable
non stock	100 amp circuit breaker cabinet (old Item# 1214640)	\$	41.42	each	
1222308	2" rigid galvanized conduit	\$	3.25	foot	
non stock	3" rigid galvanized conduit (Old Item# 1222821)	\$	2.16	foot	
1224251	Connector,split bolt, 3 conductor 1/0 to 14, AL. to CU, 600v insul	\$	2.33	each	
1226562	100 amp 120/240 volt dura kool relay	\$	205.74	each	
1226640	Outlet Cab/Lgt Comm.Distr. MeterPed. 100 amp,120/240 volt,single phase,3-wire	\$	2,369.00	each	
1233720	2" PVC Continous Duct		\$0.79	foot	
non stock	3" PVC Continous Duct (Old Item# 1233730)		\$1.88	foot	
1233826	2.5" PVC Conduit	\$	0.50	foot	
1236186	transclosure, housing only, 54 in. X 54 in. X 71 in, steel, 1 gang	\$	2,375.00	each	

1236297	1kw, 200 amp meter socket, 60 amp disconnect,(Transclosure complete)	\$	11,919.94	each
1236882	Street Name Sign Assy	\$	290.00	each
1236886	Regulatory Sign Assy (24"x30")	\$	427.00	each
1238070	70w Milwaukee harp fixture green	\$	494.12	each
1238071	70w Milwaukee harp fixture black	\$	733.62	each
1238150	150w/240v.Milwaukee harp fixture black with outlet	\$	830.00	each (HoloPhane)
1238741	70w/240v. wall pack fixture	\$	186.07	each
1238939	Precast concrete base for ped pole (11"bolt cir. 22"Dx36"H)	\$	289.54	each
1244002	slip fit head no-ballast	\$	28.75	each
1244006	slip fit head 100w/240v.	\$	59.74	each
1244250	Milwaukee lantern green	\$	322.26	each
1244251	Milwaukee lantern black	\$	409.18	each
1244980	metal pedestal housing (4"x4"x36")	\$	31.91	each
1254250	50 watt hps lamp	\$	16.74	each
1254700	150 watt H.P.S. lamp	\$	10.17	each
1254702	250 watt H.P.S. lamp	\$	10.37	each
1254751	100 watt H.P.S lamp	\$	11.64	each
1254757	70 watt H.P.S. lamp	\$	12.13	each
non stock	50 watt sharp cut-off fixture (Old Item# 1260xxx)	\$	126.97	each
1260202	150/250 watt cobra no-ballast	\$	54.96	each
1260300	150 watt/240 volt cobra fixture	\$	89.29	each
1260312	250 watt/240 volt cobra fixture	\$	100.70	each
1260316	250 watt/240 volt cut-off fixture	\$	364.11	each
non stock	150 watt/240 volt cut-off fixture (Old Item# 1260317)	\$	126.97	each
1267203	type II optical assembly	\$	38.61	each
1267265	type V optical assembly	\$	31.14	each
1272020	22' aluminum pole direct burial	\$	322.73	each
1272026	26' aluminum pole direct burial	\$	380.00	each
1272054	25' aluminum bolt down pole	\$	390.00	each
1272059	30' aluminum bolt down pole	\$	432.02	each
1272062	31' aluminum pole direct burial	\$	463.47	each
1272070	13' black bolt down steel pole (octafluted)	\$	759.50	each
non stock	10' blk. Al. Bolt down pole (Old Item# 1272074)	\$	0.01	each
1272076	15' black bolt down steel pole (octafluted)	\$	885.81	each
1272077	13' green bolt down steel pole (octafluted)	\$	759.50	each
1272078	15' green bolt down steel pole (octafluted)	\$	899.00	each
1272081	14.7' Harp pole steel/cast iron base/2 bracelets	\$	7,239.00	each
1272083	30' Lantern pole steel/cast iron base/ 3 bracelets	\$	4,806.00	each
1272125	H15 concrete pole 13' diect burial	\$	620.83	each
1272127	H17 concrete pole 15' direct burial	\$	727.98	each

1272143	26' black square concrete pole direct burial	\$	737.00	each	
1272145	A31 concrete pole direct burial (Gray)	\$	740.00	each	
1272146	A21 concrete pole direct burial	\$	620.00	each	
1272147	A26 concrete pole direct burial	\$	660.00	each	
1272148	A31 concrete pole direct burial (Black)	\$	1,250.00	each	
1272150	AT-31R concrete pole direct burial	\$	1,628.57	each	
non stock	A31 concrete pole Bolt Down (Black)	\$	1,500.00	each	
non stock	AT31 concrete pole direct burial	\$	0.01	each	
non stock	AT26 concrete pole direct burial	\$	0.01	each	
non stock	UD concrete pole direct burial	\$	0.01	each	
non stock	PD concrete pole direct burial	\$	0.01	each	
non stock	S concrete pole direct burial	\$	0.01	each	
non stock	200 amp Meter Socket (Old Item# 127300)	\$	110.28	each	
non stock	5/8" x 8' ground rod (Old Item# 1278870)	\$	10.00	each	
non stock	100 amp meter socket (Old Item# 1279100)	\$	25.17	each	from '97 stock catalog
1279189	Sleeve, splicing, pvc, 2 in. X 12 in. inside bore	\$	2.23	each	
1279255	Sleeve Assembly, transformer, epoxy	\$	3.73	each	
1281451	oil switch (sub station equip.)	\$	2,130.00	each	
1283075	Tape, electrical, 3/4 in. X 15 ft. semi-conducting	\$	9.09	each	
1283208	Tape, rubber, 3/4 in.	\$	2.75	each	
1285540	70 watt HPS single coil series ballast	\$	162.15	each	
1285541	70 watt HPS double coil series ballast	\$	315.06	each	
1285542	70 watt HPS triple coil series ballast	\$	348.81	each	
1285550	100 watt HPS single coil series ballast	\$	203.88	each	
1285551	100 watt HPS double coil series ballast	\$	252.63	each	
1285552	100 watt HPS triple coil series ballast	\$	467.78	each	
1285560	150 watt HPS single coil series ballast	\$	174.88	each	
1285561	150 watt HPS double coil series ballast	\$	356.51	each	
1285570	250 watt HPS single coil series ballast	\$	236.16	each	
1285571	250 watt HPS double coil series ballast	\$	414.36	each	
1285940	37.5 kva 2200-7620 240/480 transformer	\$	722.00	each	
1285941	50 kva 2200-7620 240/480 transformer	\$	765.63	each	from '97 stock catalog
1285943	50 kva 4800 primary, 240/480 secondary, single phase transformer	\$	693.33	each	
1285946	1 kva 2160 primary/120 secondary, single phase transformer	\$	336.19	each	
1285947	1 kva 4800 primary/120 secondary, single phase transformer	\$	429.12	each	
1285948	1 kva 7620 primary/120 secondary, single phase transformer	\$	423.95	each	
1285957	75 kva 2200-7600 240/480 transformer	\$	1,272.48	each	
non stock	Planter basket	\$	1,458.00	each	
non stock	Regulatory Sign Assy (18"x24")	\$	445.50	each	4/16/2005 prices
non stock	concrete	\$	80.00	cu.yd.	per Darrell Sobczak x5533 708-4223 2/18/09

2105240	35 ft. wood pole	\$	0.02	each
2105252	40 ft. wood pole	\$	0.02	each
2105272	45 ft. wood pole	\$	0.02	each
3400032	2#2/1#4 al. triplex cable - secondary	\$	0.34	foot
3400034	2#4/1#6 al. triplex cable - secondary	\$	0.90	foot
3400036	3#6 al. Triplex cable - secondary	\$	0.63	foot
3400439	1#8 concentric cable - primary	\$	1.67	foot
3400742	2#12 UF cable - secondary	\$	0.45	foot
3400799	3#2/1#8 LTP cable - secondary	\$	3.64	foot
3400804	3#4/1#8 LTP cable - secondary	\$	2.61	foot
3400812	3#12 UF cable - secondary	\$	0.66	foot
3400812	3#12 UF w/grd. cable - secondary	\$	0.66	foot
3400831	3#6/1#8 LTP cable - secondary	\$	1.72	foot
3400840	3#8/1#8 LTP cablr - secondary	\$	1.14	foot
3400851	3#10 UF cable - secondary	\$	1.02	foot
3420290	1#6 primary line wire	\$	0.74	foot
3420295	Wire type TW #6 stranded, black	\$	0.54	foot
non stock	radio control	\$	475.00	each
non stock	Hoffman enclosure	\$	745.84	each
non stock	100amp switch	\$	310.00	each
non stock	27" round vault	\$	227.00	each
non stock	27" round cover	\$	97.50	each
non stock	13"x24"x18" rectangular vault & cover	\$	224.81	each
non stock	17"x30"x18" rectangular vault & cover	\$	269.23	each
non stock	200amp service cabinet complete	\$	2,000.00	each
non stock	1/0 bare copper wire	\$	2.00	LF
non stock	Metal pedestal base (Fabricated)	\$	100.00	each
non stock	11 1/2" dia. steel pole insert	\$	2,000.00	each
non stock	30" dia.x 8 ft. high cardboard tube	\$	170.00	each
non stock	24" dia.x 6 ft. high cardboard tube	\$	100.00	each
non stock	1" dia. X 3 ft. threaded rod	\$	17.03	each
non stock	6 ft. Rebar cage	\$	399.19	each
non stock	4"X4"X4" Cast Iron Box (Steel Checkered Plate Cover)	\$	250.00	each
non stock	heavy duty, bronze, 5/8", 10Sol-1/0Str (Acorn Nut)	\$	8.45	each

Salary Additives

Fringe Benefit and Indirect

Salary Rate =====>

87.90%

Example Labor Rate=Rate (hr.) x Salary Additive

\$55.52

Labor Fringe Benefit, Indirect Salary, and Indirect Cost Factor	1.8790
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2011 LABOR RATES FROM SALARY ORDINANCE (as of 7/6/2011)

Pay Range	Local 494-Electrical Group	Top Wage Rate	Unit
978	Electrical Mechanic (crew chief)	\$31.05	/hr.
978	Electrical Mechanic	\$29.55	/hr.
975	Electrical Mechanic Apprentice	\$26.59	/hr.
974	Electrical Worker	\$22.70	/hr.
960	Directional Boring Operator	\$27.56	/hr.
AFSCME District Council 48			
245	Utility Worker, Electrical Worker	\$20.82	/hr.
245	Traffic Sign Worker II	\$20.82	/hr.
245	Special Laborer Electrical Services	\$20.82	/hr.
235	Traffic Sign Worker I	\$19.86	/hr.
230	Laborer Electrical Services	\$19.37	/hr.
220	City Laborer Regular	\$18.97	/hr.
205	City Laborer Seasonal	\$17.41	/hr.
Local 494-Machine			
698	Machinist II	\$27.95	/hr.
696	Electrical Services Machinist I	\$27.01	/hr.
696	Electrical Services Blacksmith	\$27.01	/hr.
694	Electrical Services Welder	\$24.32	/hr.
Building and Construction Trades			
989	Sewer Mason	\$32.85	/hr.
982	Cement Finisher	\$27.46	/hr.
981	Painter	\$26.43	/hr.

Pole Crew

1 Electrical Mechanic

1 Electrical Worker

2 Special Laborer Electrical Services

Fleet Services 2011 Rate Schedule Jan.31.2011

Aerial/Boom Trucks	\$ 6.63 hr.
Compressors	\$ 1.04 hr.
Constr. Equipment - Small	\$ 0.66 hr.
Constr. Equipment - Med	\$ 1.38 hr.
Constr. Equipment - Large	\$ 7.85 hr.
Dump Truck (Small)	\$ 3.63 hr.
Dump Truck (Med. & Lrg.)	\$ 5.77 hr.
Misc. Large Truck (Line Truck)	\$ 3.62 hr.
Pickup	\$ 2.35 hr.
Trailers (Pole & Cable)	\$ 0.18 hr.
Van [Heavy]	\$ 2.85 hr.

Equipment Additive **24.09%**

Crane with operator (Rental) **\$68.47** hr.

<u>Vehicle Or Equipment Type</u>	<u>Vehicle Hourly Rate Includes Fuel - does Not Include Operator (for Charging Internal City Projects Only)</u>	<u>Group Description of Equip</u>
Aerial/Boom Trucks	\$ 6.63	Aerial Man Lift Truck, Derric
Bridge Inspection Truck	\$ 27.35	Under Bridge Inspection Boon
Cars	\$ 1.28	Car-Station Wagon, Car Comm
Compressors	\$ 1.04	Compressor-Dump Truck M
Constr. Equipment - Small	\$ 0.66	Breaker for Backhoe, Concre
Constr. Equipment - Medium	\$ 1.38	Asphalt Reclaimer, Brush-Ch
Constr. Equipment - Large	\$ 7.85	Backhoe/Loader, Constructio
Containers	\$ 0.08	Rolloff Container
Custom Bus - Type Unit	\$ 2.29	Bookmobile, Mobile Medical U
Dump Truck -Small	\$ 3.63	One Ton Dump, Two Yard I
Dump Truck - Medium & Large	\$ 5.77	Contractor Dump Body, Du
Leaf Equipment	\$ 1.26	Leaf Hopper, Leaf Pan, Leaf
Miscellaneous	\$ 0.45	Boat-Non Police, Golf Cart, G
Miscellaneous Large Trucks	\$ 3.62	Gate Valve Turner Truck, Ma
Pickups	\$ 2.35	Carrall/Suburban Type, Comp
Plows	\$ 1.53	Snow Plow
Refuse Collection	\$ 11.15	Packer-Rear Load Container,
Salt Spreaders	\$ 1.11	Salt Spreader
Sewer Equipment	\$ 7.83	Misc.Sewer Cleaners, Sewer

Small Tractors	\$ 6.16	Lawn Mowers, Farm Tractor
Street Sweepers	\$ 28.74	Street Sweeper
Tow Trucks	\$ 3.38	Wrecker Heavy, Wrecker Lig
Trailers	\$ 0.18	Bucket Sewer Cleaner-Traile
Vans - Light	\$ 2.35	Cargo Van-Light, Van-Passe
Vans - Heavy	\$ 2.85	Cube Van, Step Van

Equipment

Back Digger, Log Loader

Box Truck

Compact, Car Midsize Mini-Passenger

Generator, Compressor-Trailer or Skid

Asphalt Mixer, Concrete Strike Off, Flusher, Grinder/Crack Router Scabbler, Line Eraser, Line Marker, Mudjack, Ripper, Drill Rig-B Unit, Floor Sweeper, Forklift, Hydrocrane-Basin Cleaner, **Pavement Breaker**, Shop Crane, Tower Crane, Crawler Dozer, **Drill Rig-A Unit**, End Loader, Gradall-Excavator/Crane, Long Line Marker Unit, Pallet Fork

Unit

Dump

2 Ton 5 Yard, Dump-Over 3.5 Ton, Dump-Triaxle, Dump 5 Passenger Insulated, Dump Tandem Axle

Rake

Generators, Pressure Washer, Vehicle Heater/Tool Heater, Not Assigned to Rental Class

Tractor, Tractor Trailer, Stake Truck, Tree Spade Truck, Tilt Top Car Carrier, Welders Truck

Generator Truck, Mini Pick Up Truck, Pick Up-Full Size, Pick Up Enclosed Body 4X4 (SUV), **Utility Body Pick Up**

, Packer Automated Side Loading, Packer Recycling Cart 25 YD, Packer Front/Top Loading, Packer W/O Compactor

Jet, Sewer Rodder

, Holder-Tractor, Trackless

ht

r, Chlorinator-Trailer, Infa Red-Trailer, Miscellaneous Trailer, Pressure Tester Trailer, **Trailer Cable Reel**, W
enger

, Pump, Sand Blaster, **Saw-Concrete/Asphalt**, Snowblower, Sod Cutter/Soil Shredder, Sprayer-Trailer Mounted, S
e-Small Mobil, Sidewalk Sweeper, Skid Steer Loader, Skid Steer Loader W/Planer, Snow Blower for Endloader, Stu
Road Patcher Truck, Road Planer

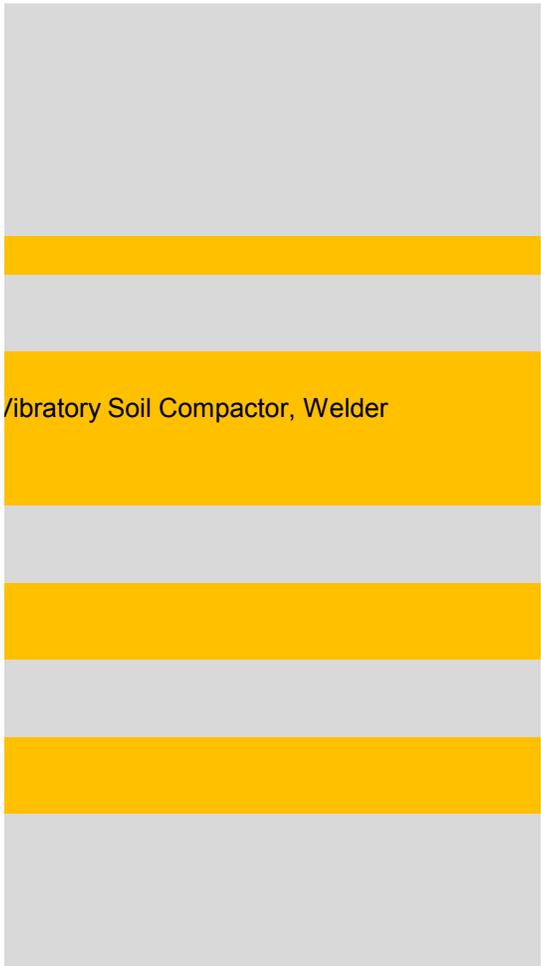
kup

Cart Lifters 25 YD, Packer with Cart Lifters 25 YD, Rolloff Truck

Water Wagon

team Cleaner Pressure Washer, Tar Kettle, Tar Melter, Tree Spade, Vehicle Heater/Tool Heater, Vibratory Roller, V
mp Cutter, Trencher, Vac All, Vacuum Unit-Skid Mounted





Vibratory Soil Compactor, Welder



2011 Salary Ordinance updated through 7/6/11 Common Council Meeting

Pay Range	Job Title	Hourly Rates						Average	Highest Wage	
978	Electrical Mechanic (Crew Chief)	\$31.05						\$31.05	\$31.05	
978	Electrical Mechanic	\$29.55						\$29.55	\$29.55	
975	Electrical Mechanic Apprentice	\$14.77	\$17.73	\$22.16	\$26.59			\$20.31	\$26.59	
974	Electrical Worker	\$18.35	\$19.59	\$21.15	\$22.70			\$20.45	\$22.70	
245	Utility Worker/Electrical Worker	\$18.83	\$19.25	\$19.69	\$20.15	\$20.82		\$19.75	\$20.82	
245	Traffic Sign Worker II	\$18.83	\$19.25	\$19.69	\$20.15	\$20.82		\$19.75	\$20.82	
245	Special Laborer Electrical Services	\$18.83	\$19.25	\$19.69	\$20.15	\$20.82		\$19.75	\$20.82	
235	Traffic Sign Worker I	\$17.99	\$18.36	\$18.78	\$19.22	\$19.86		\$18.84	\$19.86	
230	Laborer Electrical Services	\$17.59	\$17.94	\$18.33	\$18.75	\$19.37		\$18.40	\$19.37	
220	City Laborer Regular	\$17.28	\$17.64	\$18.02	\$18.39	\$18.97		\$18.06	\$18.97	
205	City Laborer Seasonal	\$14.73	\$15.74	\$16.39	\$16.73	\$17.07	\$17.24	\$17.41	\$16.13	\$17.41
698	Machinist II	\$24.34	\$25.21	\$26.10	\$27.01	\$27.95		\$26.12	\$27.95	
696	Electrical Services Machinist I	\$23.53	\$24.34	\$25.21	\$26.10	\$27.01		\$25.24	\$27.01	
696	Electrical Services Blacksmith	\$23.53	\$24.34	\$25.21	\$26.10	\$27.01		\$25.24	\$27.01	
694	Electrical Services Welder	\$21.42	\$22.07	\$22.76	\$23.51	\$24.32		\$22.82	\$24.32	
989	Sewer Mason	\$32.85						\$32.85	\$32.85	
982	Cement Finisher	\$27.46						\$27.46	\$27.46	
981	Painter	\$26.43						\$26.43	\$26.43	
960	Directional Boring Operator	\$27.56						\$27.56	\$27.56	

City of Milwaukee Lighting & Signals Schedule

DRAFT
2/14/2012

Lighting

Roadway	Limits	LFA ID	Orig. budget	60% Design	Draft PS&E	LFA PS&E due date	Final PS&E	FHWA Ad Meeting	LET	Start Construction	Comments
95th St	Bluemound Rd - Wisc. Temp TMP	1060-36-90 Phase 1 Lighting	\$50,000	11/7/2011	1/17/2012	3/16/2012	4/17/2012	5/29/2012	7/10/2012	9/4/2012	Schedule 3/25/12
Wisconsin Ave	92nd St - 95th St - Temp TMP			11/7/2011	1/17/2012	3/16/2012	4/17/2012	5/29/2012	7/10/2012	9/4/2012	
84th St	IH-94 - Bluemound Rd	1060-36-91 Phase 2 Lighting	*	3/1/2012	9/1/2012	10/1/2012	11/1/2012	2/26/2013	4/9/2013	6/1/2013	Schedule 10/25/12
76th St	Kearney St - O'Connor St	1060-36-92 Phase 3 Lighting	*	3/1/2012	2/1/2013	3/1/2013	5/1/2013	7/30/2013	9/10/2013	12/1/2013	Schedule 3/25/13
Ped Bridge	73rd ST	1060-36-93 Phase 4 Lighting	*	11/1/2012	2/1/2014	3/1/2014	5/1/2014	7/29/2014	9/9/2014	11/1/2014	Schedule 3/25/14
Wisconsin Ave	92nd St - 95th St			11/1/2012	2/1/2014	3/1/2014	5/1/2014	7/29/2014	9/9/2014	11/1/2014	
92nd St	Adler St - Dixon St			11/1/2012	2/1/2014	3/1/2014	5/1/2014	7/29/2014	9/9/2014	11/1/2014	
Bluemound Rd	93rd St - 99th St			11/1/2012	2/1/2014	3/1/2014	5/1/2014	7/29/2014	9/9/2014	11/1/2014	
Chester St	Dana St - 92nd St			11/1/2012	2/1/2014	3/1/2014	5/1/2014	7/29/2014	9/9/2014	11/1/2014	
O'Connor St	Honey Creek Dr - 84th St			11/1/2012	2/1/2014	3/1/2014	5/1/2014	7/29/2014	9/9/2014	11/1/2014	
Adler St	84th St - 95th St			11/1/2012	2/1/2014	3/1/2014	5/1/2014	7/29/2014	9/9/2014	11/1/2014	
Kearney St	76th St - 84th St			11/1/2012	2/1/2014	3/1/2014	5/1/2014	7/29/2014	9/9/2014	11/1/2014	
84th St	Adler St - Honey Creek Pkwy			1060-36-94 Phase 5 Lighting	*	11/1/2012	2/1/2017	3/1/2017	5/1/2017	8/1/2017	

\$1,000,000

Signals/Signs

Roadway	Intersection	LFA ID	Orig. Budget	60% Design	Draft PS&E	LFA PS&E due date	Final PS&E	FHWA Ad Meeting	LET	Start Construction	Comments
Wisconsin Ave.	US 45 SB Exit Ramp	1060-36-95 Phase 1 Signals	\$120,000	11/7/2011	1/17/2012	3/16/2012	4/17/2012	5/29/2012	7/10/2012	9/4/2012	Schedule 3/25/12
Wisconsin Ave.	95th St. - Temp TMP			11/7/2011	1/17/2012	3/16/2012	4/17/2012	5/29/2012	7/10/2012	9/4/2012	
Wisconsin Ave.	92nd St. - Temp TMP			11/7/2011	1/17/2012	3/16/2012	4/17/2012	5/29/2012	7/10/2012	9/4/2012	
Bluemound Rd.	97th St. - Temp TMP			11/7/2011	1/17/2012	3/16/2012	4/17/2012	5/29/2012	7/10/2012	9/4/2012	
Bluemound Rd.	Glenview Rd	1060-36-96 Phase 2 Signals	\$80,000	12/1/2011	9/1/2012	10/1/2012	11/1/2012	1/29/2013	3/12/2013	5/13/2013	Schedule 10/25/12
76th St.	O'Conner	1060-36-97 Phase 3 Signals	\$50,000	3/1/2012	2/1/2013	3/1/2013	5/1/2013	7/30/2013	9/10/2013	12/1/2013	Schedule 3/25/13
76th St.	Kearney			3/1/2012	2/1/2013	3/1/2013	5/1/2013	7/30/2013	9/10/2013	12/1/2013	
Wisconsin Ave.	95th St.	1060-36-98 Phase 4 Signals	\$400,000	11/1/2012	2/1/2014	3/1/2014	5/1/2014	7/29/2014	9/9/2014	11/1/2014	Schedule 3/25/14
Bluemound Rd.	95th St.			11/1/2012	2/1/2014	3/1/2014	5/1/2014	7/29/2014	9/9/2014	11/1/2014	
Bluemound Rd.	US 45 SB Ramps			11/1/2012	2/1/2014	3/1/2014	5/1/2014	7/29/2014	9/9/2014	11/1/2014	
Bluemound Rd.	US 45 NB Ramps			11/1/2012	2/1/2014	3/1/2014	5/1/2014	7/29/2014	9/9/2014	11/1/2014	
84th St.	IH 94 WB Exit Ramp	1060-36-99 Phase 5 Signals	\$200,000	11/1/2012	2/1/2014	3/1/2017	5/1/2017	8/1/2017	9/12/2017	11/1/2017	Schedule 3/25/17
84th St.	IH 94 EB Exit Ramp			11/1/2012	2/1/2014	3/1/2017	5/1/2017	8/1/2017	9/12/2017	11/1/2017	

\$850,000

LFA Design Engineering for lighting and signals

				Res to CC	CC cycle	cc approval	City signed WO	State signed WO			
LFA Design Engineering	0696-20-13 WO # 4	1060-33-14	\$50,000	12/2/12	12/20/11 - 1/18/12	1/18/12	2/8/12	2/13/12	n/a	n/a	should cover phase 1&2 lighting/signals design
	0696-20-13 WO #	1060-33-14	\$50,000						n/a	n/a	
	0696-20-13 WO #	1060-33-14	\$50,000						n/a	n/a	
	0696-20-13 WO #	1060-33-14	\$50,000						n/a	n/a	

\$200,000

Supervisor: Wafa Elqaq
Project Manager: Josh Ieveque
LFA Coordinator: Sandy Ratz

* waiting for new cost estimates from Tom Manzke

City of Milwaukee Lighting & Signals Schedule

DRAFT
12/8/2011

Lighting

Roadway	Limits	LFA ID	Orig. budget						
95th St	Bluemound Rd - Wisconsin Ave	Phase 1 Lighting 1060-36-90 Schedule 2/25/12 FY 2012	\$250,000						
Wisconsin Ave	92nd St - 95th St - TMP								
84th St	IH-94 - Bluemound Rd								
76th St	Kearney St - O'Connor St								
Ped Bridge	73rd ST	Phase 2 Lighting 1060-36-91 Schedule 5/25/14 FY 2014	\$750,000						
Wisconsin Ave	92nd St - 95th St								
92nd St	Adler St - Dixon St								
Bluemound Rd	93rd St - 99th St								
Chester St	Dana St - 92nd St								
O'Connor St	Honey Creek Dr - 84th St								
Adler St	84th St - 95th St								
Kearney St	76th St - 84th St								
84th St	Adler St - Honey Creek Pkwy								

Signals/Signs

Roadway	Intersection	LFA ID	Orig. Budget						
Wisconsin Ave.	US 45 SB Exit Ramp	Phase 1 Signals 1060-36-92 Schedule 2/25/12 FY 2012	\$200,000						
Wisconsin Ave.	95th St. - TMP								
Wisconsin Ave.	92nd St. - TMP								
Bluemound Rd.	Glenview Rd								
76th St.	O'Conner								
76th St.	Kearney								
Wisconsin Ave.	95th St.	Phase 2 Signals 1060-36-93 Schedule 5/25/14 FY 2014	\$400,000						
Bluemound Rd.	95th St.								
Bluemound Rd.	US 45 SB Ramps								
Bluemound Rd.	US 45 NB Ramps								
84th St.	IH 94 WB Exit Ramp	Phase 3 Signals 1060-36-94 Schedule 5/25/17 FY 2017	\$250,000						
84th St.	IH 94 EB Exit Ramp								

Design Engineering

LFA Design Engineering	Project wide - lighting/signals/signs	1060-36-95	\$200,000						
		0696-20-13 WO # 1	(50,000)						
		0696-20-13 WO # 2							

LFA design engineering costs will be paid thru WO's tied to the City of Milwaukee's Design Master Contract 0696-20-13 (First WO for \$50,000)

Supervisor: Wafa Elqaaq
Project Manager: Josh Ieveque
LFA Coordinator: Sandy Ratz

**Capital Grant Resolution Certification from the
Comptroller's Office**

The Comptroller's Office has reviewed Common Council Resolution File No. _____ for installation of temporary and permanent street lighting facilities in conjunction with Phase I Federal and State Aid mitigation construction of the Zoo Interchange Project (City Share \$0; Grantor Share \$51,205.58) and approved the resolution as to:

- Sufficiency of funds
- Funding sources (per estimated **grant funding agreement**)
- Sufficiency of reporting for purposes of internal auditing

The following deficiencies were noted:

The resolution should be corrected and returned to the Comptroller's Office for review.

Signature: *C. Winick*

Date: 2-24-12

1060-36-90 Zoo Interchange -Phase I Street Lighting (City Share \$0; Grantor Share \$51,205.58)

PROJECT UNIT COST ANALYSIS
West Bluemound Road North 104th Street to North 106th Street

ESTIMATE OF QUANTITIES
 PROJECT ID
 1060-36-90
 Zoo Interchange
 MILWAUKEE COUNTY

Item No.	Description	Unit	Quantity	Excluded Costs	City Unit	City Total
90005-3	2.5" PVC CONDUIT (BASE IS REMOVED)	LF	240	\$ 307.44	\$ 9.07	\$ 2,176.74
90005-7	METAL PEDESTAL CABINET	EACH	5	\$ 184.55	\$ 110.54	\$ 552.72
90005-8	13"X24"X18" RECTANGULAR VAULT & COVER	EACH	3	\$ 761.54	\$ 391.24	\$ 1,173.72
90005-12	3#6/1#8 LTP UNDERGROUND CABLE	LF	600	\$ 1,166.07	\$ 4.17	\$ 2,500.16
90005-21	3#6 ALUMINUM TRIPLEX WIRE OVERHEAD WIRE	LF	560	\$ 426.34	\$ 1.74	\$ 976.14
90005-23	REMOVE OVERHEAD LINE WIRE	LF	560	\$ 37.13	\$ 1.05	\$ 586.93
90005-24	INSTALL WOOD POLE (35', 40', & 45) WITH GROUND ROD & BARE #6 WIRE	EACH	8	\$ 383.79	\$ 544.40	\$ 4,355.21
90005-27	INSTALL A31 CONCRETE POLE (GRAY) INCLUDES RISER CABLE	EACH	4	\$ 3,438.05	\$ 1,125.02	\$ 4,500.08
90005-47	REMOVE CONCRETE, WOOD, AND ALUMINUM POLE	EACH	12	\$ 205.08	\$ 382.72	\$ 4,592.58
90005-52	INSTALL 6'-0" UPSWEEP BRACKET (WOOD POLE MOUNTING)	EACH	8	\$ 745.69	\$ 166.85	\$ 1,334.76
90005-56	INSTALL A31 MOUNTING CLAMP DOUBLE BRACKET	EACH	4	\$ 197.05	\$ 73.81	\$ 295.23
90005-76	INSTALL 250W/240V COBRA FIXTURE & 250 WATT HIGH PRESSURE SODIUM LAMP	EACH	16	\$ 2,036.85	\$ 200.94	\$ 3,214.98
90005-103	HAND HOLE OR PEDESTAL SPLICE	EACH	5	\$ 10.69	\$ 70.51	\$ 352.57
90005-108	INSTALLATION OF PRIMARY / SECONDARY RISER	EACH	1	\$ 71.07	\$ 169.25	\$ 169.25
90005-109	REMOVAL OF PRIMARY / SECONDARY RISER	EACH	1	\$ 6.63	\$ 104.81	\$ 104.81
90005-110	BREAK OUT CONCRETE WALK	SQ.FT.	25	\$ 34.63	\$ 10.85	\$ 271.37
90005-111	SAW CUT CONCRETE	LIN.FT.	20	\$ 27.70	\$ 10.07	\$ 201.39
90005-112	CONCRETE RESTORATION (5" DEPTH)	SQ.FT.	25	\$ 48.11	\$ 23.56	\$ 588.90

TOTAL CITY COST \$27,962.23
TOTAL EXCLUDED COSTS \$10,103.10

APPROVED BY:

ROBERT W. BRYSON
 CHIEF TRAFFIC AND LIGHTING ENGINEER

TRANSPORTATION SECTION
 TRAFFIC AND LIGHTING DESIGN UNIT

Thomas Manzke
 REVISED:

** Please note that the Total City Cost includes the embedded costs of mobilization and traffic control which are included in the times used for calculating City Unit Costs on the attached worksheets.

* These items are unique and have no comparable standard bid item equivalent. Therefore, they are not included in the comparison to bid cost.

CONDUCT, PEDESTAL, & VAULTS
CABLE
POLES & CONCRETE BASES
BRACKETS, CLAMPS, & CROSS ARM
FIXTURES
BALLASTS, SPLICES, & RISERS
CONCRETE WORK & SERVICE CABINETS

Project ID 1060-36-90
Highway Zoo Interchange

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-1 Item: 2.5" PVC CONDUIT (ACROSS DRIVEWAY)						
Quantity: Unit: LF						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Dump Truck (Med. & Lrg.)	0.100		\$5.77	\$	-
	Compressors	0.100		\$1.04	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Laborer Electrical Services	0.100		\$19.37	\$	-
	Laborer Electrical Services	0.100		\$19.37	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	<u>Item</u>	<u>Amount</u>		<u>Price</u>	<u>Total</u>	
	2.5" PVC Conduit			\$0.50	\$	-
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	-
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$	-

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-2 Item: 2.5" PVC CONDUIT (HOLE HOG)						
Quantity: Unit: LF						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Dump Truck (Med. & Lrg.)	0.093		\$5.77	\$	-
	Compressors	0.093		\$1.04	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Laborer Electrical Services	0.093		\$19.37	\$	-
	Laborer Electrical Services	0.093		\$19.37	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	<u>Item</u>	<u>Amount</u>		<u>Price</u>	<u>Total</u>	
	2.5" PVC Conduit			\$0.50	\$	-
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	-
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$	-

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-3 Item: 2.5" PVC CONDUIT (BASE IS REMOVED)						
Quantity: 240 Unit: LF						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Dump Truck (Med. & Lrg.)	0.107	25.680	\$5.77	\$	148.17
	Compressors	0.107	25.680	\$1.04	\$	26.71
					Total Machinery Charges	\$ 174.88
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Laborer Electrical Services	0.107	25.680	\$19.37	\$	497.42
	Laborer Electrical Services	0.107	25.680	\$19.37	\$	497.42
					Sub-Total Labor Cost	\$ 994.84
					Fringe Benefit Rate @ 91.84%	\$ 874.46
					Total Labor Cost	\$ 1,869.30
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	2.5" PVC Conduit	240	\$0.50	\$	120.36	
					Sub-Total Material Cost	\$ 120.36
					Indirect Cost Factor @ 12.21%	\$ 12.20
					Total Material Cost	\$ 132.56
					TOTAL COST	\$ 2,176.74
					Total Cost Per Unit	\$ 9.07
					Total Excluded Cost	\$ 307.44

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-4 Item: 2.5" PVC CONDUIT (BASE NOT REMOVED)						
Quantity: Unit: LF						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Dump Truck (Med. & Lrg.)	0.160		\$5.77	\$	-
	Compressors	0.160		\$1.04	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	0.160		\$31.05	\$	-
	Electrical Worker	0.160		\$22.70	\$	-
	Special Laborer Electrical Services	0.160		\$20.82	\$	-
	Special Laborer Electrical Services	0.160		\$20.82	\$	-
	Special Laborer Electrical Services	0.160		\$20.82	\$	-
	Special Laborer Electrical Services	0.160		\$20.82	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	2.5" PVC Conduit		\$0.50	\$	-	
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-5						
Item: 2" PVC CONDUIT (DIRECTIONAL BORED)						
Quantity:						
Unit: LF						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Compressors	0.022		\$1.04	\$	-
	Constr. Equipment - Med	0.022		\$1.38	\$	-
	Dump Truck (Med. & Lrg.)	0.044		\$5.77	\$	-
	Trailers (Pole & Cable)	0.022		\$0.18	\$	-
Total Machinery Charges					\$	-
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Worker	0.022		\$22.70	\$	-
	Directional Boring Operator	0.022		\$27.56	\$	-
	Special Laborer Electrical Services	0.022		\$20.82	\$	-
Sub-Total Labor Cost					\$	-
Fringe Benefit Rate @ 91.84%					\$	-
Total Labor Cost					\$	-
Material Costs:	Item	Amount	Price	Total		
	2" PVC Continuous Duct		\$0.79	\$	-	
Sub-Total Material Cost					\$	-
Indirect Cost Factor @ 12.21%					\$	-
Total Material Cost					\$	-
TOTAL COST					\$	-
Total Cost Per Unit					#DIV/0!	
Total Excluded Cost					\$	-

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-6						
Item: 3" PVC CONDUIT (DIRECTIONAL BORED)						
Quantity:						
Unit: LF						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Compressors	0.022		\$1.04	\$	-
	Constr. Equipment - Med	0.022		\$1.38	\$	-
	Dump Truck (Med. & Lrg.)	0.044		\$5.77	\$	-
	Trailers (Pole & Cable)	0.022		\$0.18	\$	-
Total Machinery Charges					\$	-
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Worker	0.022		\$22.70	\$	-
	Directional Boring Operator	0.022		\$27.56	\$	-
	Special Laborer Electrical Services	0.022		\$20.82	\$	-
Sub-Total Labor Cost					\$	-
Fringe Benefit Rate @ 91.84%					\$	-
Total Labor Cost					\$	-
Material Costs:	Item	Amount	Price	Total		
	3" PVC Continuous Duct (Old Item# 1233730)		\$1.88	\$	-	
Sub-Total Material Cost					\$	-
Indirect Cost Factor @ 12.21%					\$	-
Total Material Cost					\$	-
TOTAL COST					\$	-
Total Cost Per Unit					#DIV/0!	
Total Excluded Cost					\$	-

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-7 Item: METAL PEDESTAL CABINET						
Quantity: 5 Unit: EACH						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Pickup	0.750	3.750	\$2.35	\$	8.81
					Total Machinery Charges	\$ 8.81
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic	0.750	3.750	\$29.55	\$	110.81
	Electrical Worker	0.750	3.750	\$22.70	\$	85.13
					Sub-Total Labor Cost	\$ 195.94
					Fringe Benefit Rate @ 91.84%	\$ 172.23
					Total Labor Cost	\$ 368.17
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	metal pedestal housing (4"x4"x36")	5	\$31.91	\$		159.56
					Sub-Total Material Cost	\$ 159.56
					Indirect Cost Factor @ 12.21%	\$ 16.18
					Total Material Cost	\$ 175.74
					TOTAL COST	\$ 552.72
					Total Cost Per Unit	\$ 110.54
					Total Excluded Cost	\$ 184.55

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-8 Item: 13"X24"X18" RECTANGULAR VAULT & COVER						
Quantity: 3 Unit: EACH						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Compressors	1.000	3.000	\$1.04	\$	3.12
	Pickup	1.000	3.000	\$2.35	\$	7.05
	Van [Heavy]	1.000	3.000	\$2.85	\$	8.55
					Total Machinery Charges	\$ 18.72
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	1.000	3.000	\$31.05	\$	93.15
	Electrical Worker	1.000	3.000	\$22.70	\$	68.10
	Laborer Electrical Services	1.000	3.000	\$19.37	\$	58.11
					Sub-Total Labor Cost	\$ 219.36
					Fringe Benefit Rate @ 91.84%	\$ 192.82
					Total Labor Cost	\$ 412.18
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	13"x24"x18" rectangular vault & cover	3	\$224.81	\$		674.43
					Sub-Total Material Cost	\$ 674.43
					Indirect Cost Factor @ 12.21%	\$ 68.39
					Total Material Cost	\$ 742.82
					TOTAL COST	\$ 1,173.72
					Total Cost Per Unit	\$ 391.24
					Total Excluded Cost	\$ 761.54

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-9						
Item: 17"X30"X18" RECTANGULAR VAULT & COVER						
Quantity:						
Unit: EACH						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Compressors	1.000		\$1.04	\$	-
	Pickup	1.000		\$2.35	\$	-
	Van [Heavy]	1.000		\$2.85	\$	-
	Total Machinery Charges					\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic (crew chief)	1.000		\$31.05	\$	-
	Electrical Worker	1.000		\$22.70	\$	-
	Laborer Electrical Services	1.000		\$19.37	\$	-
	Sub-Total Labor Cost					\$ -
	Fringe Benefit Rate @ 91.84%					\$ -
	Total Labor Cost					\$ -
Material Costs:	Item	Amount	Price	Total		
	17"x30"x18" rectangular vault & cover		\$269.23	\$	-	
	Sub-Total Material Cost					\$ -
	Indirect Cost Factor @ 12.21%					\$ -
	Total Material Cost					\$ -
	TOTAL COST					\$ -
	Total Cost Per Unit					#DIV/0!
	Total Excluded Cost					\$ -

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-10						
Item: 3#2/1#8 LTP UNDERGROUND CABLE						
Quantity:						
Unit: LF						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Dump Truck (Med. & Lrg.)	0.009		\$5.77	\$	-
	Trailers (Pole & Cable)	0.009		\$0.18	\$	-
	Total Machinery Charges					\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic (crew chief)	0.009		\$31.05	\$	-
	Electrical Worker	0.009		\$22.70	\$	-
	Special Laborer Electrical Services	0.009		\$20.82	\$	-
	City Laborer Regular	0.009		\$18.97	\$	-
	City Laborer Regular	0.009		\$18.97	\$	-
	Sub-Total Labor Cost					\$ -
	Fringe Benefit Rate @ 91.84%					\$ -
	Total Labor Cost					\$ -
Material Costs:	Item	Amount	Price	Total		
	3#2/1#8 LTP cable - secondary		\$3.64	\$	-	
	Sub-Total Material Cost					\$ -
	Indirect Cost Factor @ 12.21%					\$ -
	Total Material Cost					\$ -
	TOTAL COST					\$ -
	Total Cost Per Unit					#DIV/0!
	Total Excluded Cost					\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-11 Item: 3#4/1#8 LTP UNDERGROUND CABLE						
Quantity: LF Unit: LF						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Dump Truck (Med. & Lrg.)	0.009		\$5.77	\$	-
	Trailers (Pole & Cable)	0.009		\$0.18	\$	-
Total Machinery Charges					\$	-
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic (crew chief)	0.009		\$31.05	\$	-
	Electrical Worker	0.009		\$22.70	\$	-
	Special Laborer Electrical Services	0.009		\$20.82	\$	-
	City Laborer Regular	0.009		\$18.97	\$	-
	City Laborer Regular	0.009		\$18.97	\$	-
	City Laborer Regular	0.009		\$18.97	\$	-
Sub-Total Labor Cost					\$	-
Fringe Benefit Rate @ 91.84%					\$	-
Total Labor Cost					\$	-
Material Costs:	Item	Amount	Price	Total		
	3#4/1#8 LTP cable - secondary		\$2.61	\$	-	
Sub-Total Material Cost					\$	-
Indirect Cost Factor @ 12.21%					\$	-
Total Material Cost					\$	-
TOTAL COST					\$	-
Total Cost Per Unit					#DIV/0!	
Total Excluded Cost					\$	-

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-12 Item: 3#6/1#8 LTP UNDERGROUND CABLE						
Quantity: 600 Unit: LF						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Dump Truck (Med. & Lrg.)	0.009	5.400	\$5.77	\$	31.16
	Trailers (Pole & Cable)	0.009	5.400	\$0.18	\$	0.97
Total Machinery Charges					\$	32.13
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic (crew chief)	0.009	5.400	\$31.05	\$	167.67
	Electrical Worker	0.009	5.400	\$22.70	\$	122.58
	Special Laborer Electrical Services	0.009	5.400	\$20.82	\$	112.43
	City Laborer Regular	0.009	5.400	\$18.97	\$	102.44
	City Laborer Regular	0.009	5.400	\$18.97	\$	102.44
	City Laborer Regular	0.009	5.400	\$18.97	\$	102.44
Sub-Total Labor Cost					\$	710.00
Fringe Benefit Rate @ 91.84%					\$	624.09
Total Labor Cost					\$	1,334.09
Material Costs:	Item	Amount	Price	Total		
	3#6/1#8 LTP cable - secondary	600	\$1.72	\$	1,029.54	
Sub-Total Material Cost					\$	1,029.54
Indirect Cost Factor @ 12.21%					\$	104.40
Total Material Cost					\$	1,133.94
TOTAL COST					\$	2,500.16
Total Cost Per Unit					\$	4.17
Total Excluded Cost					\$	1,166.07

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-13						
Item: 3#8/1#8 LTP UNDERGROUND CABLE						
Quantity:						
Unit: LF						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Dump Truck (Med. & Lrg.)	0.009		\$5.77	\$	-
	Trailers (Pole & Cable)	0.009		\$0.18	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	0.009		\$31.05	\$	-
	Electrical Worker	0.009		\$22.70	\$	-
	Special Laborer Electrical Services	0.009		\$20.82	\$	-
	City Laborer Regular	0.009		\$18.97	\$	-
	City Laborer Regular	0.009		\$18.97	\$	-
	City Laborer Regular	0.009		\$18.97	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	3#8/1#8 LTP cablr - secondary		\$1.14	\$	\$	-
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	-
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$	-

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-14						
Item: 3#10 WITH GROUND UF UNDERGROUND CABLE						
Quantity:						
Unit: LF						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Dump Truck (Med. & Lrg.)	0.009		\$5.77	\$	-
	Trailers (Pole & Cable)	0.009		\$0.18	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	0.009		\$31.05	\$	-
	Electrical Worker	0.009		\$22.70	\$	-
	Special Laborer Electrical Services	0.009		\$20.82	\$	-
	City Laborer Regular	0.009		\$18.97	\$	-
	City Laborer Regular	0.009		\$18.97	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	3#10 UF cable - secondary		\$1.02	\$	\$	-
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	-
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$	-

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-15 Item: 3#12 UF W / GROUND UNDERGROUND CABLE						
Quantity: Unit: LF						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Dump Truck (Med. & Lrg.)	0.009		\$5.77	\$	-
	Trailers (Pole & Cable)	0.009		\$0.18	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	0.009		\$31.05	\$	-
	Electrical Worker	0.009		\$22.70	\$	-
	Special Laborer Electrical Services	0.009		\$20.82	\$	-
	City Laborer Regular	0.009		\$18.97	\$	-
	City Laborer Regular	0.009		\$18.97	\$	-
	City Laborer Regular	0.009		\$18.97	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	3#12 UF w/grd. cable - secondary		\$0.66	\$	\$	-
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	-
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$	-

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-16 Item: 3#12 UF UNDERGROUND CABLE						
Quantity: Unit: LF						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Dump Truck (Med. & Lrg.)	0.009		\$5.77	\$	-
	Trailers (Pole & Cable)	0.009		\$0.18	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	0.009		\$31.05	\$	-
	Electrical Worker	0.009		\$22.70	\$	-
	Special Laborer Electrical Services	0.009		\$20.82	\$	-
	City Laborer Regular	0.009		\$18.97	\$	-
	City Laborer Regular	0.009		\$18.97	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	3#12 UF cable - secondary		\$0.66	\$	\$	-
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	-
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$	-

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-17 Item: 2#12 UF UNDERGROUND CABLE						
Quantity: Unit: LF						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Dump Truck (Med. & Lrg.)	0.009		\$5.77	\$	-
	Trailers (Pole & Cable)	0.009		\$0.18	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	0.009		\$31.05	\$	-
	Electrical Worker	0.009		\$22.70	\$	-
	Special Laborer Electrical Services	0.009		\$20.82	\$	-
	City Laborer Regular	0.009		\$18.97	\$	-
	City Laborer Regular	0.009		\$18.97	\$	-
	City Laborer Regular	0.009		\$18.97	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	2#12 UF cable - secondary		\$0.45	\$	\$	-
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	-
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$	-

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-18 Item: 1#8 CONCENTRIC UNDERGROUND CABLE						
Quantity: Unit: LF						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Dump Truck (Med. & Lrg.)	0.009		\$5.77	\$	-
	Trailers (Pole & Cable)	0.009		\$0.18	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic	0.010		\$29.55	\$	-
	Electrical Worker	0.010		\$22.70	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	1#8 concentric cable - primary		\$1.67	\$	\$	-
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	-
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$	-

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-19 Item: 2#2/1#4 ALUMINUM TRIPLEX WIRE OVERHEAD WIRE						
Quantity: Unit: LF						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Aerial/Boom Trucks	0.010		\$6.63	\$	-
	Trailers (Pole & Cable)	0.010		\$0.18	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic	0.010		\$29.55	\$	-
	Electrical Worker	0.010		\$22.70	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	<u>Item</u>	<u>Amount</u>		<u>Price</u>	<u>Total</u>	
	2#2/1#4 al. triplex cable - secondary			\$0.34	\$	-
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	-
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$	-

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-20 Item: 2#4/1#6 ALUMINUM TRIPLEX WIRE OVERHEAD WIRE						
Quantity: Unit: LF						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Aerial/Boom Trucks	0.010		\$6.63	\$	-
	Trailers (Pole & Cable)	0.010		\$0.18	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic	0.010		\$29.55	\$	-
	Electrical Worker	0.010		\$22.70	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	<u>Item</u>	<u>Amount</u>		<u>Price</u>	<u>Total</u>	
	2#4/1#6 al. triplex cable - secondary			\$0.90	\$	-
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	-
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$	-

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-21**
 Item: **3#6 ALUMINUM TRIPLEX WIRE OVERHEAD WIRE**

Quantity: 560
 Unit: LF

Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Aerial/Boom Trucks	0.010	5.600	\$6.63	\$ 37.13
	Trailers (Pole & Cable)	0.010	5.600	\$0.18	\$ 1.01
Total Machinery Charges					\$ 38.14
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic	0.010	5.600	\$29.55	\$ 165.48
	Electrical Worker	0.010	5.600	\$22.70	\$ 127.12
Sub-Total Labor Cost					\$ 292.60
Fringe Benefit Rate @ 91.84%					\$ 257.20
Total Labor Cost					\$ 549.80
Material Costs:	Item	Amount	Price	Total	
	3#6 al. Triplex cable - secondary	560	\$0.63	\$ 352.46	
Sub-Total Material Cost					\$ 352.46
Indirect Cost Factor @ 12.21%					\$ 35.74
Total Material Cost					\$ 388.20
TOTAL COST					\$ 976.14
Total Cost Per Unit					\$ 1.74
Total Excluded Cost					\$ 426.34

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-22**
 Item: **1#6 PRIMARY LINE WIRE OVERHEAD WIRE**

Quantity:
 Unit: LF

Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Aerial/Boom Trucks	0.010		\$6.63	\$ -
	Trailers (Pole & Cable)	0.010		\$0.18	\$ -
Total Machinery Charges					\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic	0.010		\$29.55	\$ -
	Electrical Worker	0.010		\$22.70	\$ -
Sub-Total Labor Cost					\$ -
Fringe Benefit Rate @ 91.84%					\$ -
Total Labor Cost					\$ -
Material Costs:	Item	Amount	Price	Total	
	1#6 primary line wire		\$0.74	\$ -	
Sub-Total Material Cost					\$ -
Indirect Cost Factor @ 12.21%					\$ -
Total Material Cost					\$ -
TOTAL COST					\$ -
Total Cost Per Unit					#DIV/0!
Total Excluded Cost					\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-23 Item: REMOVE OVERHEAD LINE WIRE						
Quantity: 560 Unit: LF.						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Aerial/Boom Trucks	0.010	5.600	\$6.63	\$	37.13
Total Machinery Charges					\$	37.13
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic	0.010	5.600	\$29.55	\$	165.48
	Electrical Worker	0.010	5.600	\$22.70	\$	127.12
Sub-Total Labor Cost					\$	292.60
Fringe Benefit Rate @ 91.84%					\$	257.20
Total Labor Cost					\$	549.80
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
Sub-Total Material Cost					\$	-
Indirect Cost Factor @ 12.21%					\$	-
Total Material Cost					\$	-
TOTAL COST					\$	586.93
Total Cost Per Unit					\$	1.05
Total Excluded Cost					\$	37.13

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-24 Item: INSTALL WOOD POLE (35',40', & 45) WITH GROUND ROD & BARE #6 WIRE						
Quantity: 8 Unit: EACH						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Constr. Equipment - Large	1.500	12.000	\$7.85	\$	94.20
	Dump Truck (Small)	1.500	12.000	\$3.63	\$	43.56
	Trailers (Pole & Cable)	1.500	12.000	\$0.18	\$	2.16
	Pickup	2.000	16.000	\$2.35	\$	37.60
Total Machinery Charges					\$	177.52
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	1.500	12.000	\$31.05	\$	372.60
	Electrical Mechanic	2.750	22.000	\$29.55	\$	650.10
	Electrical Worker	3.500	28.000	\$22.70	\$	635.60
	City Laborer Regular	3.000	24.000	\$18.97	\$	455.28
Sub-Total Labor Cost					\$	2,113.58
Fringe Benefit Rate @ 91.84%					\$	1,857.84
Total Labor Cost					\$	3,971.42
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	35 ft. wood pole	8	\$0.02	\$	0.16	
	5/8" x 8' ground rod (Old Item# 1278870)	8	\$10.00	\$	80.00	
	Wire type TW #6 stranded, black	8	\$13.39	\$	107.12	
Sub-Total Material Cost					\$	187.28
Indirect Cost Factor @ 12.21%					\$	18.99
Total Material Cost					\$	206.27
TOTAL COST					\$	4,355.21
Total Cost Per Unit					\$	544.40
Total Excluded Cost					\$	383.79

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-25						
Item: INSTALL A21 CONCRETE POLE (GRAY) INCLUDES RISER CABLE						
Quantity:						
Unit: EACH						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Constr. Equipment - Large	1.500		\$7.85	\$ -	
	Dump Truck (Small)	1.500		\$3.63	\$ -	
	Trailers (Pole & Cable)	1.500		\$0.18	\$ -	
				Total Machinery Charges	\$ -	
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic (crew chief)	1.500		\$31.05	\$ -	
	Electrical Worker	1.666		\$22.70	\$ -	
	City Laborer Regular	1.500		\$18.97	\$ -	
	City Laborer Regular	1.500		\$18.97	\$ -	
				Sub-Total Labor Cost	\$ -	
				Fringe Benefit Rate @ 91.84%	\$ -	
				Total Labor Cost	\$ -	
Material Costs:	Item	Amount	Price	Total		
	A21 concrete pole direct burial			\$620.00	\$ -	
	3#12 UF cable - secondary			\$17.88	\$ -	
				Sub-Total Material Cost	\$ -	
				Indirect Cost Factor @ 12.21%	\$ -	
				Total Material Cost	\$ -	
				TOTAL COST	\$ -	
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$ -	

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-26						
Item: INSTALL A26 CONCRETE POLE (GRAY) INCLUDES RISER CABLE						
Quantity:						
Unit: EACH						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Constr. Equipment - Large	1.500		\$7.85	\$ -	
	Dump Truck (Small)	1.500		\$3.63	\$ -	
	Trailers (Pole & Cable)	1.500		\$0.18	\$ -	
				Total Machinery Charges	\$ -	
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic (crew chief)	1.500		\$31.05	\$ -	
	Electrical Worker	1.666		\$22.70	\$ -	
	City Laborer Regular	1.500		\$18.97	\$ -	
	City Laborer Regular	1.500		\$18.97	\$ -	
				Sub-Total Labor Cost	\$ -	
				Fringe Benefit Rate @ 91.84%	\$ -	
				Total Labor Cost	\$ -	
Material Costs:	Item	Amount	Price	Total		
	A26 concrete pole direct burial			\$660.00	\$ -	
	3#12 UF cable - secondary			\$21.19	\$ -	
				Sub-Total Material Cost	\$ -	
				Indirect Cost Factor @ 12.21%	\$ -	
				Total Material Cost	\$ -	
				TOTAL COST	\$ -	
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$ -	

Project ID: 1060-36-90							
Highway: Zoo Interchange							
County: Milwaukee							
Item Number: 90005-27							
Item: INSTALL A31 CONCRETE POLE (GRAY) INCLUDES RISER CABLE							
Quantity: 4							
Unit: EACH							
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>		
	Constr. Equipment - Large	1.500	6.000	\$7.85	\$	47.10	
	Dump Truck (Small)	1.500	6.000	\$3.63	\$	21.78	
	Trailers (Pole & Cable)	1.500	6.000	\$0.18	\$	1.08	
	Total Machinery Charges					\$	69.96
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>		
	Electrical Mechanic (crew chief)	1.500	6.000	\$31.05	\$	186.30	
	Electrical Worker	1.666	6.664	\$22.70	\$	151.27	
	City Laborer Regular	1.500	6.000	\$18.97	\$	113.82	
	City Laborer Regular	1.500	6.000	\$18.97	\$	113.82	
	Sub-Total Labor Cost					\$	565.21
	Fringe Benefit Rate @ 91.84%					\$	496.82
	Total Labor Cost					\$	1,062.03
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>			
	A31 concrete pole direct burial (Gray)	4	\$740.00	\$	2,960.00		
	3#12 UF cable - secondary	4	\$24.50	\$	98.01		
	Sub-Total Material Cost					\$	3,058.01
	Indirect Cost Factor @ 12.21%					\$	310.08
	Total Material Cost					\$	3,368.09
	TOTAL COST					\$	4,500.08
	Total Cost Per Unit					\$	1,125.02
	Total Excluded Cost					\$	3,438.05

Project ID: 1060-36-90							
Highway: Zoo Interchange							
County: Milwaukee							
Item Number: 90005-28							
Item: INSTALL A31 CONCRETE POLE (BLACK) INCLUDES RISER CABLE							
Quantity:							
Unit: EACH							
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>		
	Constr. Equipment - Large	1.500		\$7.85	\$	-	
	Dump Truck (Small)	1.500		\$3.63	\$	-	
	Trailers (Pole & Cable)	1.500		\$0.18	\$	-	
	Total Machinery Charges					\$	-
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>		
	Electrical Mechanic (crew chief)	1.500		\$31.05	\$	-	
	Electrical Worker	1.666		\$22.70	\$	-	
	City Laborer Regular	1.500		\$18.97	\$	-	
	City Laborer Regular	1.500		\$18.97	\$	-	
	Sub-Total Labor Cost					\$	-
	Fringe Benefit Rate @ 91.84%					\$	-
	Total Labor Cost					\$	-
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>			
	A31 concrete pole direct burial (Black)		\$1,250.00	\$	-		
	3#12 UF cable - secondary		\$24.50	\$	-		
	Sub-Total Material Cost					\$	-
	Indirect Cost Factor @ 12.21%					\$	-
	Total Material Cost					\$	-
	TOTAL COST					\$	-
	Total Cost Per Unit					#DIV/0!	
	Total Excluded Cost					\$	-

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-29						
Item: INSTALL BOLT DOWN A31 CONCRETE POLE (BLACK) INCLUDES RISER CABLE						
Quantity:						
Unit: EACH						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Constr. Equipment - Large	1.500		\$7.85	\$ -	
	Dump Truck (Small)	1.500		\$3.63	\$ -	
	Trailers (Pole & Cable)	1.500		\$0.18	\$ -	
				Total Machinery Charges	\$ -	
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	1.500		\$31.05	\$ -	
	Electrical Worker	1.666		\$22.70	\$ -	
	City Laborer Regular	1.500		\$18.97	\$ -	
	City Laborer Regular	1.500		\$18.97	\$ -	
				Sub-Total Labor Cost	\$ -	
				Fringe Benefit Rate @ 91.84%	\$ -	
				Total Labor Cost	\$ -	
Material Costs:	<u>Item</u>	<u>Amount</u>		<u>Price</u>	<u>Total</u>	
	A31 concrete pole Bolt Down (Black)			\$1,500.00	\$ -	
	3#12 UF cable - secondary			\$24.50	\$ -	
				Sub-Total Material Cost	\$ -	
				Indirect Cost Factor @ 12.21%	\$ -	
				Total Material Cost	\$ -	
				TOTAL COST	\$ -	
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$ -	

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-30						
Item: INSTALL AT-31R CONCRETE POLE (GRAY OR BLACK) INCLUDES RISER CABLE						
Quantity:						
Unit: EACH						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Constr. Equipment - Large	3.000		\$7.85	\$ -	
	Dump Truck (Small)	3.000		\$3.63	\$ -	
	Trailers (Pole & Cable)	3.000		\$0.18	\$ -	
				Total Machinery Charges	\$ -	
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	3.000		\$31.05	\$ -	
	Electrical Worker	3.167		\$22.70	\$ -	
	City Laborer Regular	3.000		\$18.97	\$ -	
	City Laborer Regular	3.000		\$18.97	\$ -	
				Sub-Total Labor Cost	\$ -	
				Fringe Benefit Rate @ 91.84%	\$ -	
				Total Labor Cost	\$ -	
Material Costs:	<u>Item</u>	<u>Amount</u>		<u>Price</u>	<u>Total</u>	
	AT-31R concrete pole direct burial			\$1,628.57	\$ -	
	3#12 UF cable - secondary			\$24.50	\$ -	
				Sub-Total Material Cost	\$ -	
				Indirect Cost Factor @ 12.21%	\$ -	
				Total Material Cost	\$ -	
				TOTAL COST	\$ -	
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$ -	

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-31						
Item: INSTALL H15 CONCRETE POLE INCLUDES RISER CABLE						
Quantity:						
Unit: EACH						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Constr. Equipment - Large	1.500		\$7.85	\$	-
	Dump Truck (Small)	1.500		\$3.63	\$	-
	Trailers (Pole & Cable)	1.500		\$0.18	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic (crew chief)	1.500		\$31.05	\$	-
	Electrical Worker	1.666		\$22.70	\$	-
	City Laborer Regular	1.500		\$18.97	\$	-
	City Laborer Regular	1.500		\$18.97	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	Item	Amount	Price	Total		
	H15 concrete pole 13' diect burial		\$620.83	\$	-	
	3#12 UF cable - secondary		\$11.92	\$	-	
			Sub-Total Material Cost	\$	-	
			Indirect Cost Factor @ 12.21%	\$	-	
			Total Material Cost	\$	-	
			TOTAL COST	\$	-	
			Total Cost Per Unit	#DIV/0!		
			Total Excluded Cost	\$	-	

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-32						
Item: INSTALL H17 CONCRETE POLE INCLUDES RISER CABLE						
Quantity:						
Unit: EACH						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Constr. Equipment - Large	1.500		\$7.85	\$	-
	Dump Truck (Small)	1.500		\$3.63	\$	-
	Trailers (Pole & Cable)	1.500		\$0.18	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic (crew chief)	1.500		\$31.05	\$	-
	Electrical Worker	1.666		\$22.70	\$	-
	City Laborer Regular	1.500		\$18.97	\$	-
	City Laborer Regular	1.500		\$18.97	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	Item	Amount	Price	Total		
	H17 concrete pole 15' direct burial		\$727.98	\$	-	
	3#12 UF cable - secondary		\$13.91	\$	-	
			Sub-Total Material Cost	\$	-	
			Indirect Cost Factor @ 12.21%	\$	-	
			Total Material Cost	\$	-	
			TOTAL COST	\$	-	
			Total Cost Per Unit	#DIV/0!		
			Total Excluded Cost	\$	-	

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-33						
Item: INSTALL 13 FT. BLACK STEEL OCTAFLUTED POLE INCLUDES RISER CABLE						
Quantity:						
Unit: EACH						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Constr. Equipment - Large	1.500		\$7.85	\$ -	
	Dump Truck (Small)	1.500		\$3.63	\$ -	
	Trailers (Pole & Cable)	1.500		\$0.18	\$ -	
				Total Machinery Charges	\$ -	
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	1.500		\$31.05	\$ -	
	Electrical Worker	1.666		\$22.70	\$ -	
	City Laborer Regular	1.500		\$18.97	\$ -	
	City Laborer Regular	1.500		\$18.97	\$ -	
				Sub-Total Labor Cost	\$ -	
				Fringe Benefit Rate @ 91.84%	\$ -	
				Total Labor Cost	\$ -	
Material Costs:	<u>Item</u>	<u>Amount</u>		<u>Price</u>	<u>Total</u>	
	13' black bolt down steel pole (octafluted)			\$759.50	\$ -	
	3#12 UF cable - secondary			\$11.92	\$ -	
				Sub-Total Material Cost	\$ -	
				Indirect Cost Factor @ 12.21%	\$ -	
				Total Material Cost	\$ -	
				TOTAL COST	\$ -	
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$ -	

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-34						
Item: INSTALL 15 FT. BLACK STEEL OCTAFLUTED POLE INCLUDES RISER CABLE						
Quantity:						
Unit: EACH						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Constr. Equipment - Large	1.500		\$7.85	\$ -	
	Dump Truck (Small)	1.500		\$3.63	\$ -	
	Trailers (Pole & Cable)	1.500		\$0.18	\$ -	
				Total Machinery Charges	\$ -	
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	1.500		\$31.05	\$ -	
	Electrical Worker	1.666		\$22.70	\$ -	
	City Laborer Regular	1.500		\$18.97	\$ -	
	City Laborer Regular	1.500		\$18.97	\$ -	
				Sub-Total Labor Cost	\$ -	
				Fringe Benefit Rate @ 91.84%	\$ -	
				Total Labor Cost	\$ -	
Material Costs:	<u>Item</u>	<u>Amount</u>		<u>Price</u>	<u>Total</u>	
	15' black bolt down steel pole (octafluted)			\$885.81	\$ -	
	3#12 UF cable - secondary			\$13.91	\$ -	
				Sub-Total Material Cost	\$ -	
				Indirect Cost Factor @ 12.21%	\$ -	
				Total Material Cost	\$ -	
				TOTAL COST	\$ -	
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$ -	

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-35**
 Item: **INSTALL 22 FT. ALUMINUM POLE (DIRECT BURIAL) INCLUDES RISER CABLE**

Quantity:
 Unit: EACH

Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Constr. Equipment - Large	1.500		\$7.85	\$ -
	Dump Truck (Small)	1.500		\$3.63	\$ -
	Trailers (Pole & Cable)	1.500		\$0.18	\$ -
				Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic (crew chief)	1.500		\$31.05	\$ -
	Electrical Worker	1.666		\$22.70	\$ -
	City Laborer Regular	1.500		\$18.97	\$ -
	City Laborer Regular	1.500		\$18.97	\$ -
				Sub-Total Labor Cost	\$ -
				Fringe Benefit Rate @ 91.84%	\$ -
				Total Labor Cost	\$ -
Material Costs:	Item	Amount	Price	Total	
	22' aluminum pole direct burial		\$322.73	\$ -	
	3#12 UF cable - secondary		\$17.88	\$ -	
			Sub-Total Material Cost	\$ -	
			Indirect Cost Factor @ 12.21%	\$ -	
			Total Material Cost	\$ -	
			TOTAL COST	\$ -	
			Total Cost Per Unit	#DIV/0!	
			Total Excluded Cost	\$ -	

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-36**
 Item: **INSTALL 26 FT. ALUMINUM POLE (DIRECT BURIAL) INCLUDES RISER CABLE**

Quantity:
 Unit: EACH

Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Constr. Equipment - Large	1.500		\$7.85	\$ -
	Dump Truck (Small)	1.500		\$3.63	\$ -
	Trailers (Pole & Cable)	1.500		\$0.18	\$ -
				Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic (crew chief)	1.500		\$31.05	\$ -
	Electrical Worker	1.666		\$22.70	\$ -
	City Laborer Regular	1.500		\$18.97	\$ -
	City Laborer Regular	1.500		\$18.97	\$ -
				Sub-Total Labor Cost	\$ -
				Fringe Benefit Rate @ 91.84%	\$ -
				Total Labor Cost	\$ -
Material Costs:	Item	Amount	Price	Total	
	26' aluminum pole direct burial		\$380.00	\$ -	
	3#12 UF cable - secondary		\$21.19	\$ -	
			Sub-Total Material Cost	\$ -	
			Indirect Cost Factor @ 12.21%	\$ -	
			Total Material Cost	\$ -	
			TOTAL COST	\$ -	
			Total Cost Per Unit	#DIV/0!	
			Total Excluded Cost	\$ -	

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-37						
Item: INSTALL 31 FT. ALUMINUM POLE (DIRECT BURIAL) INCLUDES RISER CABLE						
Quantity:						
Unit: EACH						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Constr. Equipment - Large	1.500		\$7.85	\$ -	
	Dump Truck (Small)	1.500		\$3.63	\$ -	
	Trailers (Pole & Cable)	1.500		\$0.18	\$ -	
	Total Machinery Charges				\$ -	
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	1.500		\$31.05	\$ -	
	Electrical Worker	1.666		\$22.70	\$ -	
	City Laborer Regular	1.500		\$18.97	\$ -	
	City Laborer Regular	1.500		\$18.97	\$ -	
	Sub-Total Labor Cost				\$ -	
	Fringe Benefit Rate @ 91.84%				\$ -	
	Total Labor Cost				\$ -	
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	31' aluminum pole direct burial		\$463.47	\$ -		
	3#12 UF cable - secondary		\$24.50	\$ -		
	Sub-Total Material Cost				\$ -	
	Indirect Cost Factor @ 12.21%				\$ -	
	Total Material Cost				\$ -	
	TOTAL COST				\$ -	
	Total Cost Per Unit				#DIV/0!	
	Total Excluded Cost				\$ -	

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-38						
Item: INSTALL 25 FT. ALUMINUM POLE (BOLT DOWN) INCLUDES RISER CABLE						
Quantity:						
Unit: EACH						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Constr. Equipment - Large	1.500		\$7.85	\$ -	
	Dump Truck (Small)	1.500		\$3.63	\$ -	
	Trailers (Pole & Cable)	1.500		\$0.18	\$ -	
	Total Machinery Charges				\$ -	
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	1.500		\$31.05	\$ -	
	Electrical Worker	1.666		\$22.70	\$ -	
	City Laborer Regular	1.500		\$18.97	\$ -	
	City Laborer Regular	1.500		\$18.97	\$ -	
	Sub-Total Labor Cost				\$ -	
	Fringe Benefit Rate @ 91.84%				\$ -	
	Total Labor Cost				\$ -	
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	25' aluminum bolt down pole		\$390.00	\$ -		
	3#12 UF cable - secondary		\$20.53	\$ -		
	Sub-Total Material Cost				\$ -	
	Indirect Cost Factor @ 12.21%				\$ -	
	Total Material Cost				\$ -	
	TOTAL COST				\$ -	
	Total Cost Per Unit				#DIV/0!	
	Total Excluded Cost				\$ -	

Project ID: 1060-36-90					
Highway: Zoo Interchange					
County: Milwaukee					
Item Number: 90005-39					
Item: INSTALL 30 FT. ALUMINUM POLE (BOLT DOWN) INCLUDES RISER CABLE					
Quantity:					
Unit: EACH					
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Constr. Equipment - Large	1.500		\$7.85	\$ -
	Dump Truck (Small)	1.500		\$3.63	\$ -
	Trailers (Pole & Cable)	1.500		\$0.18	\$ -
	Total Machinery Charges				\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic (crew chief)	1.500		\$31.05	\$ -
	Electrical Worker	1.666		\$22.70	\$ -
	City Laborer Regular	1.500		\$18.97	\$ -
	City Laborer Regular	1.500		\$18.97	\$ -
	Sub-Total Labor Cost				\$ -
	Fringe Benefit Rate @ 91.84%				\$ -
	Total Labor Cost				\$ -
Material Costs:	Item	Amount	Price	Total	
	30' aluminum bolt down pole		\$432.02	\$ -	
	3#12 UF cable - secondary		\$23.84	\$ -	
	Sub-Total Material Cost				\$ -
	Indirect Cost Factor @ 12.21%				\$ -
	Total Material Cost				\$ -
	TOTAL COST				\$ -
	Total Cost Per Unit				#DIV/0!
	Total Excluded Cost				\$ -

Project ID: 1060-36-90					
Highway: Zoo Interchange					
County: Milwaukee					
Item Number: 90005-40					
Item: INSTALL 13 FT. GREEN STEEL OCTAFLUTED POLE INCLUDES RISER CABLE					
Quantity:					
Unit: EACH					
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Constr. Equipment - Large	1.500		\$7.85	\$ -
	Dump Truck (Small)	1.500		\$3.63	\$ -
	Trailers (Pole & Cable)	1.500		\$0.18	\$ -
	Total Machinery Charges				\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic (crew chief)	1.500		\$31.05	\$ -
	Electrical Worker	1.666		\$22.70	\$ -
	City Laborer Regular	1.500		\$18.97	\$ -
	City Laborer Regular	1.500		\$18.97	\$ -
	Sub-Total Labor Cost				\$ -
	Fringe Benefit Rate @ 91.84%				\$ -
	Total Labor Cost				\$ -
Material Costs:	Item	Amount	Price	Total	
	13' green bolt down steel pole (octafluted)		\$759.50	\$ -	
	3#12 UF cable - secondary		\$11.92	\$ -	
	Sub-Total Material Cost				\$ -
	Indirect Cost Factor @ 12.21%				\$ -
	Total Material Cost				\$ -
	TOTAL COST				\$ -
	Total Cost Per Unit				#DIV/0!
	Total Excluded Cost				\$ -

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-41						
Item: INSTALL 15 FT. GREEN STEEL OCTAFLUTED POLE INCLUDES RISER CABLE						
Quantity:						
Unit: EACH						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Constr. Equipment - Large	1.500		\$7.85	\$ -	
	Dump Truck (Small)	1.500		\$3.63	\$ -	
	Trailers (Pole & Cable)	1.500		\$0.18	\$ -	
				Total Machinery Charges	\$ -	
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	1.500		\$31.05	\$ -	
	Electrical Worker	1.666		\$22.70	\$ -	
	City Laborer Regular	1.500		\$18.97	\$ -	
	City Laborer Regular	1.500		\$18.97	\$ -	
				Sub-Total Labor Cost	\$ -	
				Fringe Benefit Rate @ 91.84%	\$ -	
				Total Labor Cost	\$ -	
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	15' green bolt down steel pole (octafluted)		\$899.00	\$ -		
	3#12 UF cable - secondary		\$13.91	\$ -		
				Sub-Total Material Cost	\$ -	
				Indirect Cost Factor @ 12.21%	\$ -	
				Total Material Cost	\$ -	
				TOTAL COST	\$ -	
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$ -	

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-42						
Item: 14.7' BLACK STEEL POLE WITH DECORATIVE BASE ON EXISTING CONCRETE BASE, 70W/240 VOLT HARP FIXTURE, WITH A HIGH PRESSURE SODIUM LAMP (INCLUDE RISER CABLE)						
Quantity:						
Unit: EACH						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Constr. Equipment - Large	1.000		\$7.85	\$ -	
	Dump Truck (Small)	1.000		\$3.63	\$ -	
	Trailers (Pole & Cable)	1.000		\$0.18	\$ -	
	Aerial/Boom Trucks	0.750		\$6.63	\$ -	
	Pickup	1.000		\$2.35	\$ -	
				Total Machinery Charges	\$ -	
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	1.000		\$31.05	\$ -	
	Electrical Mechanic	1.750		\$29.55	\$ -	
	Electrical Worker	1.750		\$22.70	\$ -	
	City Laborer Regular	3.000		\$18.97	\$ -	
				Sub-Total Labor Cost	\$ -	
				Fringe Benefit Rate @ 91.84%	\$ -	
				Total Labor Cost	\$ -	
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	14.7' Harp pole steel/cast iron base/2 bracelets		\$7,239.00	\$ -		
	70w Milwaukee harp fixture black		\$733.62	\$ -		
	70 watt H.P.S. lamp		\$12.13	\$ -		
	3#12 UF cable - secondary		\$11.26	\$ -		
				Sub-Total Material Cost	\$ -	
				Indirect Cost Factor @ 12.21%	\$ -	
				Total Material Cost	\$ -	
				TOTAL COST	\$ -	
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$ -	

Project ID:	1060-36-90				
Highway:	Zoo Interchange				
County:	Milwaukee				
Item Number:	90005-43				
Item:	14.7' BLACK STEEL POLE WITH DECORATIVE BASE ON EXISTING CONCRETE BASE, 150W/240 VOLT HARP FIXTURE WITH OUTLET, & 150 WATT HIGH PRESSURE SODIUM LAMP (INCLUDE RISER CABLE)				
Quantity:					
Unit:	EACH				
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Constr. Equipment - Large	1.000		\$7.85	\$ -
	Dump Truck (Small)	1.000		\$3.63	\$ -
	Trailers (Pole & Cable)	1.000		\$0.18	\$ -
	Aerial/Boom Trucks	0.750		\$6.63	\$ -
	Pickup	1.000		\$2.35	\$ -
				Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic (crew chief)	1.000		\$31.05	\$ -
	Electrical Mechanic	1.750		\$29.55	\$ -
	Electrical Worker	1.750		\$22.70	\$ -
	City Laborer Regular	3.000		\$18.97	\$ -
				Sub-Total Labor Cost	\$ -
				Fringe Benefit Rate @ 91.84%	\$ -
				Total Labor Cost	\$ -
Material Costs:	Item	Amount		Price	Total
	14.7' Harp pole steel/cast iron base/2 bracelets			\$7,239.00	\$ -
	150w/240v.Milwaukee harp fixture black with outlet			\$830.00	\$ -
	150 watt H.P.S. lamp			\$10.17	\$ -
	3#12 UF cable - secondary			\$11.26	\$ -
				Sub-Total Material Cost	\$ -
				Indirect Cost Factor @ 12.21%	\$ -
				Total Material Cost	\$ -
				TOTAL COST	\$ -
				Total Cost Per Unit	#DIV/0!
				Total Excluded Cost	\$ -

Project ID:	1060-36-90				
Highway:	Zoo Interchange				
County:	Milwaukee				
Item Number:	90005-44				
Item:	14.7' BLACK STEEL POLE WITH DECORATIVE BASE ON EXISTING CONCRETE BASE, MOUNTING ARM FOR DOUBLE HARPS, TWO (2)-150W/240 VOLT HARPS FIXTURES, WITH TWO (2) HIGH PRESSURE SODIUM LAMPS (INCLUDE RISER CABLE)				
Quantity:					
Unit:	EACH				
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Constr. Equipment - Large	1.000		\$7.85	\$ -
	Dump Truck (Small)	1.000		\$3.63	\$ -
	Trailers (Pole & Cable)	1.000		\$0.18	\$ -
	Aerial/Boom Trucks	1.500		\$6.63	\$ -
	Pickup	1.000		\$2.35	\$ -
				Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic (crew chief)	1.000		\$31.05	\$ -
	Electrical Mechanic	2.500		\$29.55	\$ -
	Electrical Worker	2.500		\$22.70	\$ -
	City Laborer Regular	3.000		\$18.97	\$ -
				Sub-Total Labor Cost	\$ -
				Fringe Benefit Rate @ 91.84%	\$ -
				Total Labor Cost	\$ -
Material Costs:	Item	Amount		Price	Total
	14.7' Harp pole steel/cast iron base/2 bracelets			\$7,239.00	\$ -
	Double harp arm			\$389.07	\$ -
	150w/240v.Milwaukee harp fixture black with outlet			\$830.00	\$ -
	150 watt H.P.S. lamp			\$10.17	\$ -
	3#12 UF cable - secondary			\$11.26	\$ -
				Sub-Total Material Cost	\$ -
				Indirect Cost Factor @ 12.21%	\$ -
				Total Material Cost	\$ -
				TOTAL COST	\$ -
				Total Cost Per Unit	#DIV/0!
				Total Excluded Cost	\$ -

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-45						
Item: 30' BLACK STEEL POLE WITH DECORATIVE BASE ON EXISTING CONCRETE BASE, 150W/240 VOLT MILWAUKEE LANTERN BRACKET & MILWAUKEE LANTERN FIXTURE, WITH A HIGH PRESSURE SODIUM LAMP (INCLUDE RISER CABLE)						
Quantity:						
Unit: EACH						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Constr. Equipment - Large	1.500		\$7.85	\$	-
	Dump Truck (Small)	1.500		\$3.63	\$	-
	Trailers (Pole & Cable)	1.500		\$0.18	\$	-
	Aerial/Boom Trucks	1.500		\$6.63	\$	-
	Pickup	0.750		\$2.35	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic (crew chief)	1.500		\$31.05	\$	-
	=Lab Rates\$13	2.250		\$29.55	\$	-
	Electrical Worker	3.750		\$22.70	\$	-
	City Laborer Regular	3.000		\$18.97	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	Item	Amount		Price	Total	
	30' Lantern pole steel/cast iron base/ 3 bracelets			\$4,806.00	\$	-
	150w lantern arm black			\$400.00	\$	-
	Milwaukee lantern black			\$409.18	\$	-
	150 watt H.P.S. lamp			\$10.17	\$	-
	3#12 UF cable - secondary			\$23.84	\$	-
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	-
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$	-

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-46						
Item: 30' BLACK STEEL POLE WITH DECORATIVE BASE ON EXISTING CONCRETE BASE, 250W/240 VOLT MILWAUKEE LANTERN BRACKET & MILWAUKEE LANTERN FIXTURE, WITH A HIGH PRESSURE SODIUM LAMP (INCLUDE RISER CABLE)						
Quantity:						
Unit: EACH						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Constr. Equipment - Large	1.500		\$7.85	\$	-
	Dump Truck (Small)	1.500		\$3.63	\$	-
	Trailers (Pole & Cable)	1.500		\$0.18	\$	-
	Aerial/Boom Trucks	1.500		\$6.63	\$	-
	Pickup	0.750		\$2.35	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic (crew chief)	1.500		\$31.05	\$	-
	Electrical Mechanic	2.250		\$29.55	\$	-
	Electrical Worker	3.750		\$22.70	\$	-
	City Laborer Regular	3.000		\$18.97	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	Item	Amount		Price	Total	
	30' Lantern pole steel/cast iron base/ 3 bracelets			\$4,806.00	\$	-
	250w lantern arm black			\$392.14	\$	-
	Milwaukee lantern black			\$409.18	\$	-
	250 watt H.P.S. lamp			\$10.37	\$	-
	3#12 UF cable - secondary			\$23.84	\$	-
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	-
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$	-

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-47						
Item: REMOVE CONCRETE,WOOD, AND ALUMINUM POLE						
Quantity: 12						
Unit: EACH						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Constr. Equipment - Large	1.000	12.000	\$7.85	\$	94.20
	Dump Truck (Small)	1.000	12.000	\$3.63	\$	43.56
	Misc. Large Truck	1.500	18.000	\$3.62	\$	65.16
	Trailers (Pole & Cable)	1.000	12.000	\$0.18	\$	2.16
				Total Machinery Charges	\$	205.08
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	1.000	12.000	\$31.05	\$	372.60
	Electrical Mechanic	1.500	18.000	\$29.55	\$	531.90
	Electrical Worker	2.500	30.000	\$22.70	\$	681.00
	Special Laborer Electrical Services	1.000	12.000	\$20.82	\$	249.84
	Special Laborer Electrical Services	1.000	12.000	\$20.82	\$	249.84
	Special Laborer Electrical Services	1.000	12.000	\$20.82	\$	249.84
				Sub-Total Labor Cost	\$	2,335.02
				Fringe Benefit Rate @ 91.84%	\$	2,052.48
				Total Labor Cost	\$	4,387.50
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	4,592.58
				Total Cost Per Unit	\$	382.72
				Total Excluded Cost	\$	205.08

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-48						
Item: REMOVE PEDESTRIAN SCALE POLE						
Quantity:						
Unit: EACH						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Constr. Equipment - Large	1.000		\$7.85	\$	-
	Dump Truck (Small)	1.000		\$3.63	\$	-
	Dump Truck (Med. & Lrg.)	1.000		\$3.62	\$	-
	Trailers (Pole & Cable)	1.000		\$0.18	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	1.000		\$31.05	\$	-
	Electrical Mechanic	1.000		\$29.55	\$	-
	Electrical Worker	2.000		\$22.70	\$	-
	Special Laborer Electrical Services	1.000		\$20.82	\$	-
	Special Laborer Electrical Services	1.000		\$20.82	\$	-
	Special Laborer Electrical Services	1.000		\$20.82	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	-
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$	-

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-49						
Item: INSTALL 22" DIA. X 36" HIGH PRECAST CONCRETE BASE WITH 11" DIA. BOLT CIRCLE						
Quantity:						
Unit: EACH						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Constr. Equipment - Large	2.000		\$7.85	\$	-
	Dump Truck (Small)	2.000		\$3.63	\$	-
	Trailers (Pole & Cable)	2.000		\$0.18	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic (crew chief)	2.000		\$31.05	\$	-
	Electrical Worker	2.000		\$22.70	\$	-
	City Laborer Regular	2.000		\$18.97	\$	-
	City Laborer Regular	2.000		\$18.97	\$	-
	Cement Finisher	1.000		\$27.46	\$	-
	City Laborer Regular	1.000		\$18.97	\$	-
	City Laborer Regular	1.000		\$18.97	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	Item	Amount	Price	Total		
	Precast concrete base for ped pole (11"bolt cir. 22"Dx36"H)			\$289.54	\$	-
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	-
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$	-

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-50						
Item: INSTALL 24" DIA. X 6'-6" HIGH CONCRETE BASE WITH 13" DIA. BOLT CIRCLE						
Quantity:						
Unit: EACH						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Constr. Equipment - Large	2.000		\$7.85	\$	-
	Dump Truck (Small)	2.000		\$3.63	\$	-
	Trailers (Pole & Cable)	2.000		\$0.18	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic (crew chief)	2.000		\$31.05	\$	-
	Electrical Worker	2.000		\$22.70	\$	-
	City Laborer Regular	6.000		\$18.97	\$	-
	Cement Finisher	1.000		\$27.46	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	Item	Amount	Price	Total		
	concrete	24" dia. X 72" high conc. base 0.814 cu.yd:		\$80.00	\$	-
	6 ft. Rebar cage			\$399.19	\$	-
	24" dia.x6 ft. high cardboard tube			\$100.00	\$	-
	1" dia. X 3 ft. threaded rod			\$17.03	\$	-
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	-
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$	-

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-51 Item: INSTALL 30" DIA. X 8'-0" HIGH CONCRETE BASE WITH 11-1/2" DIA. FLUTED STEEL POLE INSERT						
Quantity: EACH Unit: EACH						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Constr. Equipment - Large	2.000		\$7.85	\$ -	
	Dump Truck (Small)	2.000		\$3.63	\$ -	
	Trailers (Pole & Cable)	2.000		\$0.18	\$ -	
Total Machinery Charges					\$ -	
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	2.000		\$31.05	\$ -	
	Electrical Worker	2.000		\$22.70	\$ -	
	City Laborer Regular	6.000		\$18.97	\$ -	
	Cement Finisher	1.000		\$27.46	\$ -	
Sub-Total Labor Cost					\$ -	
Fringe Benefit Rate @ 91.84%					\$ -	
Total Labor Cost					\$ -	
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	concrete	30" dia. X 96" high conc.base 1.454 cu.yds		\$80.00	\$ -	
	11 1/2" dia. steel pole insert			\$2,000.00	\$ -	
	30" dia.x 8 ft. high cardboard tube			\$170.00	\$ -	
Sub-Total Material Cost					\$ -	
Indirect Cost Factor @ 12.21%					\$ -	
Total Material Cost					\$ -	
TOTAL COST					\$ -	
Total Cost Per Unit					#DIV/0!	
Total Excluded Cost					\$ -	

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-52 Item: INSTALL 6'-0" UPSWEEP BRACKET (WOOD POLE MOUNTING)						
Quantity: 8 Unit: EACH						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Aerial/Boom Trucks	0.750	6.000	\$6.63	\$ 39.78	
Total Machinery Charges					\$ 39.78	
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic	0.750	6.000	\$29.55	\$ 177.30	
	Electrical Worker	0.750	6.000	\$22.70	\$ 136.20	
Sub-Total Labor Cost					\$ 313.50	
Fringe Benefit Rate @ 91.84%					\$ 275.57	
Total Labor Cost					\$ 589.07	
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	6' upsweep bracket for wood pole mtg.	8		\$80.11	\$ 640.92	
Sub-Total Material Cost					\$ 640.92	
Indirect Cost Factor @ 12.21%					\$ 64.99	
Total Material Cost					\$ 705.91	
TOTAL COST					\$ 1,334.76	
Total Cost Per Unit					\$ 166.85	
Total Excluded Cost					\$ 745.69	

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-53 Item: INSTALL 6'-0" 2" AL. MITCHELL UPSWEEP BRACKET						
Quantity: EACH Unit: EACH						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Aerial/Boom Trucks	0.500		\$6.63	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic	0.500		\$29.55	\$	-
	Electrical Worker	0.500		\$22.70	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	Mitchell 6' upsweep bracket		\$42.10	\$		-
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-54 Item: INSTALL SHARP CUT-OFF BRACKET						
Quantity: EACH Unit: EACH						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Aerial/Boom Trucks	0.500		\$6.63	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic	0.500		\$29.55	\$	-
	Electrical Worker	0.500		\$22.70	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	<u>Item</u>	<u>Amount</u>	<u>Price</u>	<u>Total</u>		
	Stub bracket for cut-off fixture		\$19.90	\$		-
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-55 Item: INSTALL A31 MOUNTING CLAMP SINGLE BRACKET						
Quantity: EACH Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Aerial/Boom Trucks	0.250		\$6.63	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.250		\$29.55	\$	-
	Electrical Worker	0.250		\$22.70	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	Item	Amount	Price	Total		
	A31 mounting clamp single bracket		\$24.06	\$	-	
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-56 Item: INSTALL A31 MOUNTING CLAMP DOUBLE BRACKET						
Quantity: 4 Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Aerial/Boom Trucks	0.250	1.000	\$6.63	\$	6.63
					Total Machinery Charges	\$ 6.63
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.250	1.000	\$29.55	\$	29.55
	Electrical Worker	0.250	1.000	\$22.70	\$	22.70
					Sub-Total Labor Cost	\$ 52.25
					Fringe Benefit Rate @ 91.84%	\$ 45.93
					Total Labor Cost	\$ 98.18
Material Costs:	Item	Amount	Price	Total		
	A31 mounting clamp double bracket	4	\$43.22	\$	172.89	
					Sub-Total Material Cost	\$ 172.89
					Indirect Cost Factor @ 12.21%	\$ 17.53
					Total Material Cost	\$ 190.42
					TOTAL COST	\$ 295.23
					Total Cost Per Unit	\$ 73.81
					Total Excluded Cost	\$ 197.05

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-57**
 Item: **INSTALL A21-A26 MOUNTING CLAMP SINGLE BRACKET**

Quantity:
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Aerial/Boom Trucks	0.250		\$6.63	\$ -
Total Machinery Charges						\$ -
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	0.250		\$29.55	\$ -
		Electrical Worker	0.250		\$22.70	\$ -
Sub-Total Labor Cost						\$ -
Fringe Benefit Rate @ 91.84%						\$ -
Total Labor Cost						\$ -
Material Costs:		Item	Amount	Price	Total	
		A21/A26 mounting clamp single bracket		\$30.81	\$ -	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ -
Total Cost Per Unit						#DIV/0!
Total Excluded Cost						\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-58**
 Item: **INSTALL A21-A26 MOUNTING CLAMP DOUBLE BRACKET**

Quantity:
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Aerial/Boom Trucks	0.250		\$6.63	\$ -
Total Machinery Charges						\$ -
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	0.250		\$29.55	\$ -
		Electrical Worker	0.250		\$22.70	\$ -
Sub-Total Labor Cost						\$ -
Fringe Benefit Rate @ 91.84%						\$ -
Total Labor Cost						\$ -
Material Costs:		Item	Amount	Price	Total	
		A21/A26 mounting clamp double bracket		\$38.64	\$ -	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ -
Total Cost Per Unit						#DIV/0!
Total Excluded Cost						\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-59 Item: INSTALL A21-A26 BLACK MILWAUKEE LANTERN CLAMP						
Quantity: EACH Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Aerial/Boom Trucks	0.250		\$6.63	\$	-
Total Machinery Charges					\$	-
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.250		\$29.55	\$	-
	Electrical Worker	0.250		\$22.70	\$	-
Sub-Total Labor Cost					\$	-
Fringe Benefit Rate @ 91.84%					\$	-
Total Labor Cost					\$	-
Material Costs:	Item	Amount	Price	Total		
	Lantern arm clamp A21/A26 black		\$83.20	\$		-
Sub-Total Material Cost					\$	-
Indirect Cost Factor @ 12.21%					\$	-
Total Material Cost					\$	-
TOTAL COST					\$	-
Total Cost Per Unit					#DIV/0!	
Total Excluded Cost					\$	-

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-60 Item: INSTALL A31 BLACK MILWAUKEE LANTERN CLAMP						
Quantity: EACH Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Aerial/Boom Trucks	0.250		\$6.63	\$	-
Total Machinery Charges					\$	-
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.250		\$29.55	\$	-
	Electrical Worker	0.250		\$22.70	\$	-
Sub-Total Labor Cost					\$	-
Fringe Benefit Rate @ 91.84%					\$	-
Total Labor Cost					\$	-
Material Costs:	Item	Amount	Price	Total		
	Lantern arm clamp A31 black		\$96.16	\$		-
Sub-Total Material Cost					\$	-
Indirect Cost Factor @ 12.21%					\$	-
Total Material Cost					\$	-
TOTAL COST					\$	-
Total Cost Per Unit					#DIV/0!	
Total Excluded Cost					\$	-

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-61**
 Item: **INSTALL 150W/240V BLACK MILWAUKEE LANTERN ARM**

Quantity:
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Aerial/Boom Trucks	0.500		\$6.63	\$ -
Total Machinery Charges						\$ -
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	0.500		\$29.55	\$ -
		Electrical Worker	0.500		\$22.70	\$ -
Sub-Total Labor Cost						\$ -
Fringe Benefit Rate @ 91.84%						\$ -
Total Labor Cost						\$ -
Material Costs:		Item	Amount	Price	Total	
		150w lantern arm black		\$400.00	\$ -	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ -
Total Cost Per Unit						#DIV/0!
Total Excluded Cost						\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-62**
 Item: **INSTALL A21-A26 GREEN MILWAUKEE LANTERN CLAMP**

Quantity:
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Aerial/Boom Trucks	0.250		\$6.63	\$ -
Total Machinery Charges						\$ -
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	0.250		\$29.55	\$ -
		Electrical Worker	0.250		\$22.70	\$ -
Sub-Total Labor Cost						\$ -
Fringe Benefit Rate @ 91.84%						\$ -
Total Labor Cost						\$ -
Material Costs:		Item	Amount	Price	Total	
		Lantern arm clamp A21/A26 green		\$93.17	\$ -	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ -
Total Cost Per Unit						#DIV/0!
Total Excluded Cost						\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-63**
 Item: **INSTALL A31 GREEN MILWAUKEE LANTERN CLAMP**

Quantity:
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Aerial/Boom Trucks	0.250		\$6.63	\$ -
Total Machinery Charges						\$ -
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	0.250		\$29.55	\$ -
		Electrical Worker	0.250		\$22.70	\$ -
Sub-Total Labor Cost						\$ -
Fringe Benefit Rate @ 91.84%						\$ -
Total Labor Cost						\$ -
Material Costs:		Item	Amount	Price	Total	
		Lantern arm clamp A31 green		\$91.05	\$ -	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ -
Total Cost Per Unit						#DIV/0!
Total Excluded Cost						\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-64**
 Item: **INSTALL 150W240V GREEN MILWAUKEE LANTERN ARM**

Quantity:
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Aerial/Boom Trucks	0.500		\$6.63	\$ -
Total Machinery Charges						\$ -
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	0.500		\$29.55	\$ -
		Electrical Worker	0.500		\$22.70	\$ -
Sub-Total Labor Cost						\$ -
Fringe Benefit Rate @ 91.84%						\$ -
Total Labor Cost						\$ -
Material Costs:		Item	Amount	Price	Total	
		150w lantern arm green		\$511.77	\$ -	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ -
Total Cost Per Unit						#DIV/0!
Total Excluded Cost						\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-65**
 Item: **INSTALL 250W/240V GREEN MILWAUKEE LANTERN ARM**

Quantity:
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Aerial/Boom Trucks	0.500		\$6.63	\$ -
Total Machinery Charges						\$ -
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	0.500		\$29.55	\$ -
		Electrical Worker	0.500		\$22.70	\$ -
Sub-Total Labor Cost						\$ -
Fringe Benefit Rate @ 91.84%						\$ -
Total Labor Cost						\$ -
Material Costs:		Item	Amount	Price	Total	
		250w lantern arm green		\$353.89	\$ -	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ -
Total Cost Per Unit						#DIV/0!
Total Excluded Cost						\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-66**
 Item: **INSTALL SERIES WITHOUT BALLAST GREEN MILWAUKEE LANTERN ARM**

Quantity:
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Aerial/Boom Trucks	0.500		\$6.63	\$ -
Total Machinery Charges						\$ -
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	0.500		\$29.55	\$ -
		Electrical Worker	0.500		\$22.70	\$ -
Sub-Total Labor Cost						\$ -
Fringe Benefit Rate @ 91.84%						\$ -
Total Labor Cost						\$ -
Material Costs:		Item	Amount	Price	Total	
		lantern arm no-ballast green		\$194.25	\$ -	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ -
Total Cost Per Unit						#DIV/0!
Total Excluded Cost						\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-67**
 Item: **INSTALL 250W/240V BLACK MILWAUKEE LANTERN ARM**

Quantity:
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Aerial/Boom Trucks	0.500		\$6.63	\$ -
Total Machinery Charges						\$ -
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	0.500		\$29.55	\$ -
		Electrical Worker	0.500		\$22.70	\$ -
Sub-Total Labor Cost						\$ -
Fringe Benefit Rate @ 91.84%						\$ -
Total Labor Cost						\$ -
Material Costs:		Item	Amount	Price	Total	
		250w lantern arm black		\$392.14	\$ -	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ -
Total Cost Per Unit						#DIV/0!
Total Excluded Cost						\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-68**
 Item: **INSTALL SERIES WITHOUT BALLAST BLACK MILWAUKEE LANTERN ARM**

Quantity:
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Aerial/Boom Trucks	0.500		\$6.63	\$ -
Total Machinery Charges						\$ -
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	0.500		\$29.55	\$ -
		Electrical Worker	0.500		\$22.70	\$ -
Sub-Total Labor Cost						\$ -
Fringe Benefit Rate @ 91.84%						\$ -
Total Labor Cost						\$ -
Material Costs:		Item	Amount	Price	Total	
		lantern arm no-ballast black		\$369.79	\$ -	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ -
Total Cost Per Unit						#DIV/0!
Total Excluded Cost						\$ -

Project ID: 1060-36-90							
Highway: Zoo Interchange							
County: Milwaukee							
Item Number: 90005-69							
Item: INSTALL CROSS ARM							
Quantity:							
Unit: EACH							
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total		
	Aerial/Boom Trucks	0.500		\$6.63	\$	-	
					Total Machinery Charges	\$	-
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total		
	Electrical Mechanic	0.500		\$29.55	\$	-	
	Electrical Worker	0.500		\$22.70	\$	-	
					Sub-Total Labor Cost	\$	-
					Fringe Benefit Rate @ 91.84%	\$	-
					Total Labor Cost	\$	-
Material Costs:	Item	Amount	Price	Total			
	Cross arm fir, 4 pin (Old Item# 1204243)		\$26.34	\$		-	
					Sub-Total Material Cost	\$	-
					Indirect Cost Factor @ 12.21%	\$	-
					Total Material Cost	\$	-
					TOTAL COST	\$	-
					Total Cost Per Unit	#DIV/0!	
					Total Excluded Cost	\$	-

Project ID: 1060-36-90							
Highway: Zoo Interchange							
County: Milwaukee							
Item Number: 90005-70							
Item: REMOVE BRACKET AND FIXTURE COMPLETE							
Quantity:							
Unit: EACH							
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total		
	Aerial/Boom Trucks	0.500		\$6.63	\$	-	
					Total Machinery Charges	\$	-
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total		
	Electrical Mechanic	0.500		\$29.55	\$	-	
	Electrical Worker	0.500		\$22.70	\$	-	
					Sub-Total Labor Cost	\$	-
					Fringe Benefit Rate @ 91.84%	\$	-
					Total Labor Cost	\$	-
Material Costs:	Item	Amount	Price	Total			
						\$	-
					Sub-Total Material Cost	\$	-
					Indirect Cost Factor @ 12.21%	\$	-
					Total Material Cost	\$	-
					TOTAL COST	\$	-
					Total Cost Per Unit	#DIV/0!	
					Total Excluded Cost	\$	-

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-71 Item: INSTALL 100W/240V SLIPFIT FIXTURE, TYPE 2 OPTICS, & 100 WATT HIGH PRESSURE SODIUM LAMP						
Quantity: Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Aerial/Boom Trucks	0.750		\$6.63	\$	-
Total Machinery Charges					\$	-
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.750		\$29.55	\$	-
	Electrical Worker	0.750		\$22.70	\$	-
Sub-Total Labor Cost					\$	-
Fringe Benefit Rate @ 91.84%					\$	-
Total Labor Cost					\$	-
Material Costs:	Item	Amount	Price	Total		
	slip fit head 100w/240v.		\$59.74	\$	-	
	type II optical assembly		\$38.61	\$	-	
	100 watt H.P.S lamp		\$11.64	\$	-	
Sub-Total Material Cost					\$	-
Indirect Cost Factor @ 12.21%					\$	-
Total Material Cost					\$	-
TOTAL COST					\$	-
Total Cost Per Unit					#DIV/0!	
Total Excluded Cost					\$	-

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-72 Item: INSTALL 100W/240V SLIPFIT FIXTURE, TYPE 5 OPTICS & 100 WATT HIGH PRESSURE SODIUM LAMP						
Quantity: Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Aerial/Boom Trucks	0.750		\$6.63	\$	-
Total Machinery Charges					\$	-
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.750		\$29.55	\$	-
	Electrical Worker	0.750		\$22.70	\$	-
Sub-Total Labor Cost					\$	-
Fringe Benefit Rate @ 91.84%					\$	-
Total Labor Cost					\$	-
Material Costs:	Item	Amount	Price	Total		
	slip fit head 100w/240v.		\$59.74	\$	-	
	type V optical assembly		\$31.14	\$	-	
	100 watt H.P.S lamp		\$11.64	\$	-	
Sub-Total Material Cost					\$	-
Indirect Cost Factor @ 12.21%					\$	-
Total Material Cost					\$	-
TOTAL COST					\$	-
Total Cost Per Unit					#DIV/0!	
Total Excluded Cost					\$	-

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-73**
 Item: **INSTALL SERIES WITHOUT BALLAST SLIPFIT FIXTURE, 55 VOLT IGNITOR, TYPE 2 OPTICS & 100 WATT HIGH PRESSURE SODIUM LAMP**

Quantity:
 Unit: EACH

Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Aerial/Boom Trucks	0.750		\$6.63	\$ -
Total Machinery Charges					\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic	0.750		\$29.55	\$ -
	Electrical Worker	0.750		\$22.70	\$ -
Sub-Total Labor Cost					\$ -
Fringe Benefit Rate @ 91.84%					\$ -
Total Labor Cost					\$ -
Material Costs:	Item	Amount	Price	Total	
	slip fit head no-ballast		\$28.75	\$ -	
	type II optical assembly		\$38.61	\$ -	
	100 watt H.P.S lamp		\$11.64	\$ -	
	55 volt starting aid (ignitor)		\$33.57	\$ -	
Sub-Total Material Cost					\$ -
Indirect Cost Factor @ 12.21%					\$ -
Total Material Cost					\$ -
TOTAL COST					\$ -
Total Cost Per Unit					#DIV/0!
Total Excluded Cost					\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-74**
 Item: **INSTALL SERIES WITHOUT BALLAST SLIPFIT FIXTURE, 55 VOLT IGNITOR, TYPE 5 OPTICS & 100 WATT HIGH PRESSURE SODIUM LAMP**

Quantity:
 Unit: EACH

Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Aerial/Boom Trucks	0.750		\$6.63	\$ -
Total Machinery Charges					\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic	0.750		\$29.55	\$ -
	Electrical Worker	0.750		\$22.70	\$ -
Sub-Total Labor Cost					\$ -
Fringe Benefit Rate @ 91.84%					\$ -
Total Labor Cost					\$ -
Material Costs:	Item	Amount	Price	Total	
	slip fit head no-ballast		\$28.75	\$ -	
	type V optical assembly		\$31.14	\$ -	
	100 watt H.P.S lamp		\$11.64	\$ -	
	55 volt starting aid (ignitor)		\$33.57	\$ -	
Sub-Total Material Cost					\$ -
Indirect Cost Factor @ 12.21%					\$ -
Total Material Cost					\$ -
TOTAL COST					\$ -
Total Cost Per Unit					#DIV/0!
Total Excluded Cost					\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-75**
 Item: **INSTALL 150W/240V COBRA FIXTURE & 150 WATT HIGH PRESSURE SODIUM LAMP**

Quantity: EACH
 Unit: EACH

Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Aerial/Boom Trucks	0.750		\$6.63	\$ -
Total Machinery Charges					\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic	0.750		\$29.55	\$ -
	Electrical Worker	0.750		\$22.70	\$ -
Sub-Total Labor Cost					\$ -
Fringe Benefit Rate @ 91.84%					\$ -
Total Labor Cost					\$ -
Material Costs:	Item	Amount	Price	Total	
	150 watt/240 volt cobra fixture		\$89.29	\$ -	
	150 watt H.P.S. lamp		\$10.17	\$ -	
Sub-Total Material Cost				\$ -	
Indirect Cost Factor @ 12.21%				\$ -	
Total Material Cost				\$ -	
TOTAL COST					\$ -
Total Cost Per Unit					#DIV/0!
Total Excluded Cost					\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-76**
 Item: **INSTALL 250W/240V COBRA FIXTURE & 250 WATT HIGH PRESSURE SODIUM LAMP**

Quantity: 16
 Unit: EACH

Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Aerial/Boom Trucks	0.750	12.000	\$6.63	\$ 79.56
Total Machinery Charges					\$ 79.56
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic	0.750	12.000	\$29.55	\$ 354.60
	Electrical Worker	0.750	12.000	\$22.70	\$ 272.40
Sub-Total Labor Cost					\$ 627.00
Fringe Benefit Rate @ 91.84%					\$ 551.13
Total Labor Cost					\$ 1,178.13
Material Costs:	Item	Amount	Price	Total	
	250 watt/240 volt cobra fixture	16	\$100.70	\$ 1,611.20	
	250 watt H.P.S. lamp	16	\$10.37	\$ 165.89	
Sub-Total Material Cost				\$ 1,777.09	
Indirect Cost Factor @ 12.21%				\$ 180.20	
Total Material Cost				\$ 1,957.29	
TOTAL COST					\$ 3,214.98
Total Cost Per Unit					\$ 200.94
Total Excluded Cost					\$ 2,036.85

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-77**
 Item: **INSTALL SERIES WITHOUT BALLAST COBRA FIXTURE, 55 VOLT IGNITOR & 150 WATT HIGH PRESSURE SODIUM LAMP**

Quantity:
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Aerial/Boom Trucks	0.750		\$6.63	\$ -
Total Machinery Charges						\$ -
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	0.750		\$29.55	\$ -
		Electrical Worker	0.750		\$22.70	\$ -
Sub-Total Labor Cost						\$ -
Fringe Benefit Rate @ 91.84%						\$ -
Total Labor Cost						\$ -
Material Costs:		Item	Amount	Price	Total	
		150/250 watt cobra no-ballast		\$54.96	\$ -	
		150 watt H.P.S. lamp		\$10.17	\$ -	
		55 volt starting aid (ignitor)		\$33.57	\$ -	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ -
Total Cost Per Unit						#DIV/0!
Total Excluded Cost						\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-78**
 Item: **INSTALL SERIES WITHOUT BALLAST COBRA FIXTURE, 100 VOLT IGNITOR & 250 WATT HIGH PRESSURE SODIUM LAMP**

Quantity:
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Aerial/Boom Trucks	0.750		\$6.63	\$ -
Total Machinery Charges						\$ -
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	0.750		\$29.55	\$ -
		Electrical Worker	0.750		\$22.70	\$ -
Sub-Total Labor Cost						\$ -
Fringe Benefit Rate @ 91.84%						\$ -
Total Labor Cost						\$ -
Material Costs:		Item	Amount	Price	Total	
		150/250 watt cobra no-ballast		\$54.96	\$ -	
		250 watt H.P.S. lamp		\$10.37	\$ -	
		100 volt starting aid (ignitor)		\$32.60	\$ -	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ -
Total Cost Per Unit						#DIV/0!
Total Excluded Cost						\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-79 Item: INSTALL 70W/240V WALL PACK FIXTURE & 70 WATT HIGH PRESSURE SODIUM LAMP						
Quantity: Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Aerial/Boom Trucks	1.500		\$6.63	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	1.500		\$29.55	\$	-
	Electrical Worker	1.500		\$22.70	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	Item	Amount		Price	Total	
	70w/240v. wall pack fixture			\$186.07	\$	-
	70 watt H.P.S. lamp			\$12.13	\$	-
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-80 Item: INSTALL 70W/240V BLACK MILWAUKEE HARP, & 70 WATT HIGH PRESSURE SODIUM LAMP						
Quantity: Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Aerial/Boom Trucks	1.500		\$6.63	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	1.500		\$29.55	\$	-
	Electrical Worker	1.500		\$22.70	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	Item	Amount		Price	Total	
	70w Milwaukee harp fixture black			\$733.62	\$	-
	70 watt H.P.S. lamp			\$12.13	\$	-
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-81**
 Item: **INSTALL SERIES WITHOUT BALLAST BLACK MILWAUKEE HARP, 55 VOLT IGNITOR, & 70 WATT HIGH PRESSURE SODIUM LAMP**

Quantity:
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Aerial/Boom Trucks	1.500		\$6.63	\$ -
Total Machinery Charges						\$ -
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	1.500		\$29.55	\$ -
		Electrical Worker	1.500		\$22.70	\$ -
Sub-Total Labor Cost						\$ -
Fringe Benefit Rate @ 91.84%						\$ -
Total Labor Cost						\$ -
Material Costs:		Item	Amount	Price	Total	
		70w Milwaukee harp fixture black		\$733.62	\$ -	
		55 volt starting aid (ignitor)		\$33.57	\$ -	
		70 watt H.P.S. lamp		\$12.13	\$ -	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ -
Total Cost Per Unit						#DIV/0!
Total Excluded Cost						\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-82**
 Item: **INSTALL GREEN MILWAUKEE LANTERN FIXTURE, & 150 WATT HIGH PRESSURE SODIUM LAMP**

Quantity:
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Aerial/Boom Trucks	0.750		\$6.63	\$ -
Total Machinery Charges						\$ -
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	0.750		\$29.55	\$ -
		Electrical Worker	0.750		\$22.70	\$ -
Sub-Total Labor Cost						\$ -
Fringe Benefit Rate @ 91.84%						\$ -
Total Labor Cost						\$ -
Material Costs:		Item	Amount	Price	Total	
		Milwaukee lantern green		\$322.26	\$ -	
		150 watt H.P.S. lamp		\$10.17	\$ -	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ -
Total Cost Per Unit						#DIV/0!
Total Excluded Cost						\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-83**
 Item: **INSTALL GREEN MILWAUKEE LANTERN FIXTURE, & 250 WATT HIGH PRESSURE SODIUM LAMP**
 Quantity:
 Unit: EACH

Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Aerial/Boom Trucks	0.750		\$6.63	\$ -
Total Machinery Charges					\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic	0.750		\$29.55	\$ -
	Electrical Worker	0.750		\$22.70	\$ -
Sub-Total Labor Cost					\$ -
Fringe Benefit Rate @ 91.84%					\$ -
Total Labor Cost					\$ -
Material Costs:	Item	Amount	Price	Total	
	Milwaukee lantern green		\$322.26	\$ -	
	250 watt H.P.S. lamp		\$10.37	\$ -	
Sub-Total Material Cost				\$ -	
Indirect Cost Factor @ 12.21%				\$ -	
Total Material Cost				\$ -	
TOTAL COST					\$ -
Total Cost Per Unit					#DIV/0!
Total Excluded Cost					\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-84**
 Item: **INSTALL 70W/240V GREEN MILWAUKEE HARP, & 70 WATT HIGH PRESSURE SODIUM LAMP**
 Quantity:
 Unit: EACH

Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Aerial/Boom Trucks	1.500		\$6.63	\$ -
Total Machinery Charges					\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic	1.500		\$29.55	\$ -
	Electrical Worker	1.500		\$22.70	\$ -
Sub-Total Labor Cost					\$ -
Fringe Benefit Rate @ 91.84%					\$ -
Total Labor Cost					\$ -
Material Costs:	Item	Amount	Price	Total	
	70w Milwaukee harp fixture green		\$494.12	\$ -	
	70 watt H.P.S. lamp		\$12.13	\$ -	
Sub-Total Material Cost				\$ -	
Indirect Cost Factor @ 12.21%				\$ -	
Total Material Cost				\$ -	
TOTAL COST					\$ -
Total Cost Per Unit					#DIV/0!
Total Excluded Cost					\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-85**
 Item: **INSTALL SERIES WITHOUT BALLAST GREEN MILWAUKEE HARP, 55 VOLT IGNITOR, & 70 WATT HIGH PRESSURE SODIUM LAMP**

Quantity:
 Unit: EACH

Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Aerial/Boom Trucks	1.500		\$6.63	\$ -
Total Machinery Charges					\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic	1.500		\$29.55	\$ -
	Electrical Worker	1.500		\$22.70	\$ -
Sub-Total Labor Cost					\$ -
Fringe Benefit Rate @ 91.84%					\$ -
Total Labor Cost					\$ -
Material Costs:	Item	Amount	Price	Total	
	70w Milwaukee harp fixture green		\$494.12	\$ -	
	55 volt starting aid (ignitor)		\$33.57	\$ -	
	70 watt H.P.S. lamp		\$12.13	\$ -	
Sub-Total Material Cost					\$ -
Indirect Cost Factor @ 12.21%					\$ -
Total Material Cost					\$ -
TOTAL COST					\$ -
Total Cost Per Unit					#DIV/0!
Total Excluded Cost					\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-86**
 Item: **INSTALL BLACK MILWAUKEE LANTERN FIXTURE, & 150 WATT HIGH PRESSURE SODIUM LAMP**

Quantity:
 Unit: EACH

Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Aerial/Boom Trucks	0.750		\$6.63	\$ -
Total Machinery Charges					\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic	0.750		\$29.55	\$ -
	Electrical Worker	0.750		\$22.70	\$ -
Sub-Total Labor Cost					\$ -
Fringe Benefit Rate @ 91.84%					\$ -
Total Labor Cost					\$ -
Material Costs:	Item	Amount	Price	Total	
	Milwaukee lantern black		\$409.18	\$ -	
	150 watt H.P.S. lamp		\$10.17	\$ -	
Sub-Total Material Cost					\$ -
Indirect Cost Factor @ 12.21%					\$ -
Total Material Cost					\$ -
TOTAL COST					\$ -
Total Cost Per Unit					#DIV/0!
Total Excluded Cost					\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-87 Item: INSTALL BLACK MILWAUKEE LANTERN FIXTURE, & 250 WATT HIGH PRESSURE SODIUM LAMP						
Quantity: EACH Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Aerial/Boom Trucks	0.750		\$6.63	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.750		\$29.55	\$	-
	Electrical Worker	0.750		\$22.70	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	Item	Amount		Price	Total	
	Milwaukee lantern black 250 watt H.P.S. lamp			\$409.18 \$10.37	\$	- -
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-88 Item: INSTALL 250W/240V SHARP CUT-OFF FIXTURE & 250 WATT HIGH PRESSURE SODIUM LAMP						
Quantity: EACH Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Aerial/Boom Trucks	1.500		\$6.63	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	1.500		\$29.55	\$	-
	Electrical Worker	1.500		\$22.70	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	Item	Amount		Price	Total	
	250 watt/240 volt cut-off fixture 250 watt H.P.S. lamp			\$364.11 \$10.37	\$	- -
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-89**
 Item: **INSTALL 70 WATT SINGLE COIL BALLAST**

Quantity:
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Van [Heavy]	2.75		\$2.85	\$ -
Total Machinery Charges						\$ -
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	2.75		\$29.55	\$ -
		City Laborer Regular	2.75		\$18.97	\$ -
Sub-Total Labor Cost						\$ -
Fringe Benefit Rate @ 91.84%						\$ -
Total Labor Cost						\$ -
Material Costs:		Item	Amount	Price	Total	
		70 watt HPS single coil series ballast		\$162.15	\$ -	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ -
Total Cost Per Unit						#DIV/0!
Total Excluded Cost						\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-90**
 Item: **INSTALL 70 WATT DOUBLE COIL BALLAST**

Quantity:
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Van [Heavy]	2.75		\$2.85	\$ -
Total Machinery Charges						\$ -
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	2.75		\$29.55	\$ -
		City Laborer Regular	2.75		\$18.97	\$ -
Sub-Total Labor Cost						\$ -
Fringe Benefit Rate @ 91.84%						\$ -
Total Labor Cost						\$ -
Material Costs:		Item	Amount	Price	Total	
		70 watt HPS double coil series ballast		\$315.06	\$ -	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ -
Total Cost Per Unit						#DIV/0!
Total Excluded Cost						\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-91**
 Item: **INSTALL 70 WATT TRIPLE COIL BALLAST**

Quantity:
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Van [Heavy]	2.75		\$2.85	\$ -
Total Machinery Charges						\$ -
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	2.75		\$29.55	\$ -
		City Laborer Regular	2.75		\$18.97	\$ -
Sub-Total Labor Cost						\$ -
Fringe Benefit Rate @ 91.84%						\$ -
Total Labor Cost						\$ -
Material Costs:		Item	Amount	Price	Total	
		70 watt HPS triple coil series ballast		\$348.81	\$ -	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ -
Total Cost Per Unit						#DIV/0!
Total Excluded Cost						\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-92**
 Item: **INSTALL 100 WATT SINGLE COIL BALLAST**

Quantity:
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Van [Heavy]	2.75		\$2.85	\$ -
Total Machinery Charges						\$ -
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	2.75		\$29.55	\$ -
		City Laborer Regular	2.75		\$18.97	\$ -
Sub-Total Labor Cost						\$ -
Fringe Benefit Rate @ 91.84%						\$ -
Total Labor Cost						\$ -
Material Costs:		Item	Amount	Price	Total	
		100 watt HPS single coil series ballast		\$203.88	\$ -	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ -
Total Cost Per Unit						#DIV/0!
Total Excluded Cost						\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-93**
 Item: **INSTALL 100 WATT DOUBLE COIL BALLAST**
 Quantity:
 Unit: EACH

Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Van [Heavy]	2.75		\$2.85	\$ -
Total Machinery Charges					\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic	2.75		\$29.55	\$ -
	City Laborer Regular	2.75		\$18.97	\$ -
Sub-Total Labor Cost					\$ -
Fringe Benefit Rate @ 91.84%					\$ -
Total Labor Cost					\$ -
Material Costs:	Item	Amount	Price	Total	
	100 watt HPS double coil series ballast		\$252.63	\$ -	
Sub-Total Material Cost					\$ -
Indirect Cost Factor @ 12.21%					\$ -
Total Material Cost					\$ -
TOTAL COST					\$ -
Total Cost Per Unit					#DIV/0!
Total Excluded Cost					\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-94**
 Item: **INSTALL 100 WATT TRIPLE COIL BALLAST**
 Quantity:
 Unit: EACH

Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Van [Heavy]	2.75		\$2.85	\$ -
Total Machinery Charges					\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic	2.75		\$29.55	\$ -
	City Laborer Regular	2.75		\$18.97	\$ -
Sub-Total Labor Cost					\$ -
Fringe Benefit Rate @ 91.84%					\$ -
Total Labor Cost					\$ -
Material Costs:	Item	Amount	Price	Total	
	100 watt HPS triple coil series ballast		\$467.78	\$ -	
Sub-Total Material Cost					\$ -
Indirect Cost Factor @ 12.21%					\$ -
Total Material Cost					\$ -
TOTAL COST					\$ -
Total Cost Per Unit					#DIV/0!
Total Excluded Cost					\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-95**
 Item: **INSTALL 150 WATT SINGLE COIL BALLAST**

Quantity:
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Van [Heavy]	2.75		\$2.85	\$ -
Total Machinery Charges						\$ -
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	2.75		\$29.55	\$ -
		City Laborer Regular	2.75		\$18.97	\$ -
Sub-Total Labor Cost						\$ -
Fringe Benefit Rate @ 91.84%						\$ -
Total Labor Cost						\$ -
Material Costs:		Item	Amount	Price	Total	
		150 watt HPS single coil series ballast		\$174.88	\$ -	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ -
Total Cost Per Unit						#DIV/0!
Total Excluded Cost						\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-96**
 Item: **INSTALL 150 WATT DOUBLE COIL BALLAST**

Quantity:
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Van [Heavy]	2.75		\$2.85	\$ -
Total Machinery Charges						\$18.97
Total Machinery Charges						\$ -
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	2.75		\$29.55	\$ -
		City Laborer Regular	2.75		\$ -	\$ -
Sub-Total Labor Cost						\$ -
Fringe Benefit Rate @ 91.84%						\$ -
Total Labor Cost						\$ -
Material Costs:		Item	Amount	Price	Total	
		150 watt HPS double coil series ballast		\$356.51	\$ -	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ -
Total Cost Per Unit						#DIV/0!
Total Excluded Cost						\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-97 Item: INSTALL 250 WATT SINGLE COIL BALLAST						
Quantity: EACH Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Van [Heavy]	2.75		\$2.85	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	2.75		\$29.55	\$	-
	City Laborer Regular	2.75		\$18.97	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	Item	Amount	Price	Total		
	250 watt HPS single coil series ballast		\$236.16	\$	-	
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-98 Item: INSTALL 250 WATT DOUBLE COIL BALLAST						
Quantity: EACH Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Van [Heavy]	2.75		\$2.85	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	2.75		\$29.55	\$	-
	City Laborer Regular	2.75		\$18.97	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	Item	Amount	Price	Total		
	250 watt HPS double coil series ballast		\$414.36	\$	-	
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-99 Item: SECONDARY SPLICE						
Quantity: EACH Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Van [Heavy]	1.25		\$2.85	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	1.25		\$29.55	\$	-
	City Laborer Regular	1.25		\$18.97	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	Item	Amount	Price	Total		
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-100 Item: SPLICE 1#8 PRIMARY						
Quantity: EACH Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Van [Heavy]	1.5		\$2.85	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	1.5		\$29.55	\$	-
	City Laborer Regular	1.5		\$18.97	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	Item	Amount	Price	Total		
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-101 Item: SPLICE 2#8 PRIMARY						
Quantity: EACH Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Van [Heavy]	2.5		\$2.85	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	2.5		\$29.55	\$	-
	City Laborer Regular	2.5		\$18.97	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	Item	Amount	Price	Total		
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-102 Item: SPLICE "Y"						
Quantity: EACH Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Van [Heavy]	2.5		\$2.85	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	2.5		\$29.55	\$	-
	City Laborer Regular	2.5		\$18.97	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	Item	Amount	Price	Total		
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-103 Item: HAND HOLE OR PEDESTAL SPLICE						
Quantity: 5 Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Van [Heavy]	0.75	3.750	\$2.85	\$	10.69
Total Machinery Charges					\$	10.69
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.75	3.750	\$29.55	\$	110.81
	City Laborer Regular	0.75	3.750	\$18.97	\$	71.14
Sub-Total Labor Cost					\$	181.95
Fringe Benefit Rate @ 91.84%					\$	159.93
Total Labor Cost					\$	341.88
Material Costs:	Item	Amount	Price	Total		
Sub-Total Material Cost \$ -						
Indirect Cost Factor @ 12.21% \$ -						
Total Material Cost \$ -						
TOTAL COST					\$	352.57
Total Cost Per Unit					\$	70.51
Total Excluded Cost					\$	10.69

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-104 Item: INSTALL LIGHTNING ARRESTOR						
Quantity: Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Aerial/Boom Trucks	0.250		\$6.63	\$	-
Total Machinery Charges					\$	-
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.250		\$29.55	\$	-
	Electrical Worker	0.250		\$22.70	\$	-
Sub-Total Labor Cost					\$	-
Fringe Benefit Rate @ 91.84%					\$	-
Total Labor Cost					\$	-
Material Costs:	Item	Amount	Price	Total		
	Lightning arrestor			\$44.86	\$	-
Sub-Total Material Cost					\$	-
Indirect Cost Factor @ 12.21%					\$	-
Total Material Cost					\$	-
TOTAL COST					\$	-
Total Cost Per Unit					#DIV/0!	
Total Excluded Cost					\$	-

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-105 Item: REMOVE UNDERGROUND BALLAST						
Quantity: EACH Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Van [Heavy]	3		\$2.85	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	3		\$29.55	\$	-
	Special Laborer Electrical Services	3		\$20.82	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	Item	Amount	Price	Total		
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90 Highway: Zoo Interchange County: Milwaukee						
Item Number: 90005-107 Item: REMOVE GROUND & TEST STATION						
Quantity: EACH Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Van [Heavy]	2		\$2.85	\$	-
					Total Machinery Charges	\$ -
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	2		\$29.55	\$	-
	City Laborer Regular	2		\$18.97	\$	-
					Sub-Total Labor Cost	\$ -
					Fringe Benefit Rate @ 91.84%	\$ -
					Total Labor Cost	\$ -
Material Costs:	Item	Amount	Price	Total		
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ -
					Total Cost Per Unit	#DIV/0!
					Total Excluded Cost	\$ -

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-108**
 Item: **INSTALLATION OF PRIMARY / SECONDARY RISER**

Quantity: 1
 Unit: EACH

Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Aerial/Boom Trucks	1.000	1.000	\$6.63	\$ 6.63
Total Machinery Charges					\$ 6.63
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic	1.000	1.000	\$29.55	\$ 29.55
	Electrical Worker	1.000	1.000	\$22.70	\$ 22.70
Sub-Total Labor Cost					\$ 52.25
Fringe Benefit Rate @ 91.84%					\$ 45.93
Total Labor Cost					\$ 98.18
Material Costs:	Item	Amount	Price	Total	
	Resin & hardener, epoxy electrical grade	20	\$2.93	\$ 58.51	
	Tape, electrical, 3/4 in. X 15 ft. semi-conducting		\$9.09		
Sub-Total Material Cost					\$ 58.51
Indirect Cost Factor @ 12.21%					\$ 5.93
Total Material Cost					\$ 64.44
TOTAL COST					\$ 169.25
Total Cost Per Unit					\$ 169.25
Total Excluded Cost					\$ 71.07

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-109**
 Item: **REMOVAL OF PRIMARY / SECONDARY RISER**

Quantity: 1
 Unit: EACH

Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Aerial/Boom Trucks	1.000	1.000	\$6.63	\$ 6.63
Total Machinery Charges					\$ 6.63
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic	1.000	1.000	\$29.55	\$ 29.55
	Electrical Worker	1.000	1.000	\$22.70	\$ 22.70
Sub-Total Labor Cost					\$ 52.25
Fringe Benefit Rate @ 91.84%					\$ 45.93
Total Labor Cost					\$ 98.18
Material Costs:	Item	Amount	Price	Total	
Sub-Total Material Cost					\$ -
Indirect Cost Factor @ 12.21%					\$ -
Total Material Cost					\$ -
TOTAL COST					\$ 104.81
Total Cost Per Unit					\$ 104.81
Total Excluded Cost					\$ 6.63

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-110**
 Item: **BREAK OUT CONCRETE WALK**

Quantity: 25
 Unit: SQ.FT.

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Compressors		0.222	5.550	\$1.04	\$ 5.77
	Pickup		0.222	5.550	\$2.35	\$ 13.04
	Van [Heavy]		0.222	5.550	\$2.85	\$ 15.82
Total Machinery Charges						\$ 34.63
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Worker		0.222	5.550	\$22.70	\$ 125.99
Sub-Total Labor Cost						\$ 125.99
Fringe Benefit Rate @ 91.84%						\$ 110.75
Total Labor Cost						\$ 236.74
Material Costs:		Item	Amount	Price	Total	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ 271.37
Total Cost Per Unit						\$ 10.85
Total Excluded Cost						\$ 34.63

Project ID: 1060-36-90
 Highway: Zoo Interchange
 County: Milwaukee

Item Number: **90005-111**
 Item: **SAW CUT CONCRETE**

Quantity: 20
 Unit: Lin.Ft.

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Compressors		0.222	4.440	\$1.04	\$ 4.62
	Pickup		0.222	4.440	\$2.35	\$ 10.43
	Van [Heavy]		0.222	4.440	\$2.85	\$ 12.65
Total Machinery Charges						\$ 27.70
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Special Laborer Electrical Services		0.222	4.440	\$20.82	\$ 92.44
Sub-Total Labor Cost						\$ 92.44
Fringe Benefit Rate @ 91.84%						\$ 81.25
Total Labor Cost						\$ 173.69
Material Costs:		Item	Amount	Price	Total	
Sub-Total Material Cost						\$ -
Indirect Cost Factor @ 12.21%						\$ -
Total Material Cost						\$ -
TOTAL COST						\$ 201.39
Total Cost Per Unit						\$ 10.07
Total Excluded Cost						\$ 27.70

Project ID:	1060-36-90					
Highway:	Zoo Interchange					
County:	Milwaukee					
Item Number:	90005-112					
Item:	CONCRETE RESTORATION (5" DEPTH)					
Quantity:	25	Unit:	SQ.FT.			
Converted:	10.417	Unit:	CU..FT.			
Converted:	0.3858	Unit:	CU..YD.			
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Pickup	0.1666	4.1650	\$2.35	\$	9.79
	Compressors	0.1666	4.1650	\$1.04	\$	4.33
	Total Machinery Charges					\$ 14.12
Labor Costs:	Position	Each Square Foot Unit	Total Hours	Hourly Rate	Total	
	Cement Finisher	0.1666	4.1650	\$27.46	\$	114.37
	Special Laborer Electrical Services	0.1666	4.1650	\$20.82	\$	86.72
	Special Laborer Electrical Services	0.1666	4.1650	\$20.82	\$	86.72
	Sub-Total Labor Cost					\$ 287.81
	Fringe Benefit Rate @ 91.84%					\$ 252.98
	Total Labor Cost					\$ 540.79
Material Costs:	Item	Amount (cu.yd.)	Price	Total		
	concrete	(cubic yard)	0.3858	\$80.00	\$	30.86
	Sub-Total Material Cost					\$ 30.86
	Indirect Cost Factor @ 12.21%					\$ 3.13
	Total Material Cost					\$ 33.99
	TOTAL COST					\$ 588.90
	Total Cost Per Unit					\$ 23.56
	Total Excluded Cost					\$ 48.11

Project ID:	1060-36-90					
Highway:	Zoo Interchange					
County:	Milwaukee					
Item Number:	90005-113					
Item:	100 AMP 120/240 VOLT PAD MOUNT SERVICE CABINET (GREEN)					
Quantity:	Each					
Unit:	Each					
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Dump Truck (Med. & Lrg.)	5.000		\$5.77	\$	-
	Pickup	0.2500	6.2500	\$2.35	\$	14.69
	Total Machinery Charges					\$ 14.69
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	5.000		\$29.55	\$	-
	Electrical Worker	5.000		\$22.70	\$	-
	Cement Finisher	0.500		\$27.46	\$	-
	Machinist II	3.000		\$27.95	\$	-
	Sub-Total Labor Cost					\$ -
	Fringe Benefit Rate @ 91.84%					\$ -
	Total Labor Cost					\$ -
Material Costs:	Item	Amount	Price	Total		
	Outlet Cab/Lgt Comm.Distr. MeterPed. 100 amp,120/240 volt,single phase,3			\$2,369.00	\$	-
	5/8" x 8' ground rod (Old Item# 1278870)			\$10.00	\$	-
	concrete (0.07 cubic yard)			\$80.00	\$	-
	Metal pedestal base (Fabricated)			\$100.00	\$	-
	Sub-Total Material Cost					\$ -
	Indirect Cost Factor @ 12.21%					\$ -
	Total Material Cost					\$ -
	TOTAL COST					\$ 14.69
	Total Cost Per Unit					#DIV/0!
	Total Excluded Cost					\$ 14.69

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-114						
Item: 50 KVA 240/480 VOLT POWER DISTRIBUTION PAD MOUNT ENCLOSURE (BROWN)						
Quantity: Each						
Unit: Each						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Dump Truck (Med. & Lrg.)	3.000		\$5.77	\$	-
	Dump Truck (Small)	3.000		\$3.63	\$	-
	Trailers (Pole & Cable)	3.000		\$0.18	\$	-
	Pickup	70.000		\$2.35	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic (crew chief)	3.000		\$31.05	\$	-
	Electrical Mechanic	66.000		\$29.55	\$	-
	Electrical Worker	69.000		\$22.70	\$	-
	City Laborer Regular	17.000		\$18.97	\$	-
	Cement Finisher	4.000		\$27.46	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	Item	Amount		Price	Total	
	transclosure, housing only, 54 in. X 54 in. X 71 in, steel, 1 gang			\$11,919.94	\$	-
	50 kva 2200-7620 240/480 transformer			\$765.63	\$	-
	concrete (2 cubic yard)			\$80.00	\$	-
	5/8" x 8' ground rod (Old Item# 1278870)			\$10.00	\$	-
	1/0 bare copper wire			\$2.00	\$	-
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	-
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$	-

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-115						
Item: 37.5 KVA 240/480 VOLT POWER DISTRIBUTION PAD MOUNT ENCLOSURE (BROWN)						
Quantity: Each						
Unit: Each						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Dump Truck (Med. & Lrg.)	3.000		\$5.77	\$	-
	Dump Truck (Small)	3.000		\$3.63	\$	-
	Trailers (Pole & Cable)	3.000		\$0.18	\$	-
	Pickup	70.0000		\$2.35	\$	-
				Total Machinery Charges	\$	-
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic (crew chief)	3.000		\$31.05	\$	-
	Electrical Mechanic	66.000		\$29.55	\$	-
	Electrical Worker	69.000		\$22.70	\$	-
	City Laborer Regular	17.000		\$18.97	\$	-
	Cement Finisher	4.0000		\$27.46	\$	-
				Sub-Total Labor Cost	\$	-
				Fringe Benefit Rate @ 91.84%	\$	-
				Total Labor Cost	\$	-
Material Costs:	Item	Amount		Price	Total	
	transclosure, housing only, 54 in. X 54 in. X 71 in, steel, 1 gar			\$11,919.94	\$	-
	37.5 kva 2200-7620 240/480 transformer			\$722.00	\$	-
	concrete (2 cubic yard)			\$80.00	\$	-
	5/8" x 8' ground rod (Old Item# 1278870)			\$17.03	\$	-
	1/0 bare copper wire			\$2.00	\$	-
				Sub-Total Material Cost	\$	-
				Indirect Cost Factor @ 12.21%	\$	-
				Total Material Cost	\$	-
				TOTAL COST	\$	-
				Total Cost Per Unit	#DIV/0!	
				Total Excluded Cost	\$	-

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-116						
Item: 4*X4*X4* CAST IRON BOX (STEEL CHECKERED PLATE COVER)						
Quantity: EACH						
Unit: EACH						
Machinery Charges:						
	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Compressors	0.500		\$1.04	\$	-
	Pickup	0.500		\$2.35	\$	-
	Van [Heavy]	0.500		\$2.85	\$	-
	Total Machinery Charges				\$	-
Labor Costs:						
	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic (crew chief)	0.500		\$31.05	\$	-
	Electrical Worker	0.500		\$22.70	\$	-
	Laborer Electrical Services	0.500		\$19.37	\$	-
	Sub-Total Labor Cost				\$	-
	Fringe Benefit Rate @ 91.84%				\$	-
	Total Labor Cost				\$	-
Material Costs:						
	Item	Amount	Price	Total		
	4*X4*X4* Cast Iron Box (Steel Checkered Plate Cover)		\$250.00	\$	-	
	Sub-Total Material Cost				\$	-
	Indirect Cost Factor @ 12.21%				\$	-
	Total Material Cost				\$	-
	TOTAL COST				\$	-
	Total Cost Per Unit				#DIV/0!	
	Total Excluded Cost				\$	-

Project ID: 1060-36-90						
Highway: Zoo Interchange						
County: Milwaukee						
Item Number: 90005-106						
Item: INSTALL GROUND & TEST STATION						
Quantity: EACH						
Unit: EACH						
Machinery Charges:						
	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Van [Heavy]	4		\$2.85	\$	-
	Compressors	3.5		\$1.04	\$	-
	Total Machinery Charges				\$	-
Labor Costs:						
	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	4		\$29.55	\$	-
	City Laborer Regular	3.5		\$18.97	\$	-
	Sub-Total Labor Cost				\$	-
	Fringe Benefit Rate @ 91.84%				\$	-
	Total Labor Cost				\$	-
Material Costs:						
	Item	Amount	Price	Total		
	(Two Required) 5/8" x 8' ground rod (Old Item# 1278870)		\$17.03	\$	-	
	Connector, split bolt, 3 conductor 1/0 to 14, AL, to CU, 600v in metal pedestal housing (4"x4"x36")		\$2.33	\$	-	
	heavy duty, bronze, 5/8", 10Sol-1/0Str (Acorn Nut)		\$31.91	\$	-	
	(2 ft. Required) Wire type TW #6 stranded, black		\$8.45	\$	-	
	(10 ft. Required) 1#8 concentric cable - primary		\$0.54	\$	-	
			\$1.67	\$	-	
	Sub-Total Material Cost				\$	-
	Indirect Cost Factor @ 12.21%				\$	-
	Total Material Cost				\$	-
	TOTAL COST				\$	-
	Total Cost Per Unit				#DIV/0!	
	Total Excluded Cost				\$	-













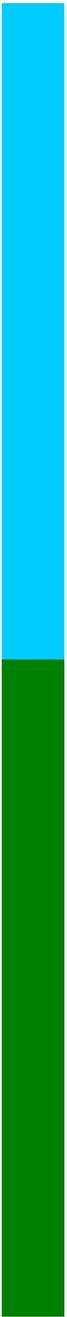
































































































Material Indirect Cost Factor

Changed 10-04-11

1.10140**Material**

1028550	Resin & hardener, epoxy electrical grade	\$	2.93	each	
1201400	55 volt starting aid (ignitor)	\$	33.57	each	
1201401	100 volt starting aid (ignitor)	\$	32.60	each	
1202700	Contact aid, electrical	\$	7.28	each	\$6.79 = 8oz./bottle zin No. 100 or equal
non stock	Cross arm fir, 4 pin (Old Item# 1204243)	\$	26.34	each	
1204329	Lightning arrestor	\$	44.86	each	
1206580	Base, Cast Iron	\$	254.00	each	
1210085	Double harp arm	\$	389.07	each	
1210120	Lantern arm clamp A21/A26 green	\$	93.17	each	
1210121	Lantern arm clamp A21/A26 black	\$	83.20	each	
1210130	Lantern arm clamp A31 green	\$	91.05	each	
1210131	Lantern arm clamp A31 black	\$	96.16	each	
1210151	150w lantern arm green	\$	511.77	each	
1210152	150w lantern arm black	\$	400.00	each	
1210186	Mitchell 6' upsweep bracket	\$	42.10	each	
1210187	Stub bracket for cut-off fixture	\$	19.90	each	
1210190	A31 mounting clamp single bracket	\$	24.06	each	
1210191	A21/A26 mounting clamp single bracket	\$	30.81	each	
1210196	A21/A26 mounting clamp double bracket	\$	38.64	each	
1210197	A31 mounting clamp double bracket	\$	43.22	each	
1210206	6' upsweep bracket for wood pole mtg.	\$	80.11	each	
1210250	250w lantern arm green	\$	353.89	each	
1210251	250w lantern arm black	\$	392.14	each	
1210400	lantern arm no-ballast green	\$	194.25	each	
1210401	lantern arm no-ballast black	\$	369.79	each	
non stock	Bushings, wood, 2 in. (Old Item# 1211860)	\$	0.67	each	for 1#8 F.S. cable
non stock	100 amp circuit breaker cabinet (old Item# 1214640)	\$	41.42	each	
1222308	2" rigid galvanized conduit	\$	3.25	foot	
non stock	3" rigid galvanized conduit (Old Item# 1222821)	\$	2.16	foot	
1224251	Connector,split bolt, 3 conductor 1/0 to 14, AL. to CU, 600v insul	\$	2.33	each	
1226562	100 amp 120/240 volt dura kool relay	\$	205.74	each	
1226640	Outlet Cab/Lgt Comm.Distr. MeterPed. 100 amp,120/240 volt,single phase,3-wire	\$	2,369.00	each	
1233720	2" PVC Continous Duct		\$0.79	foot	
non stock	3" PVC Continous Duct (Old Item# 1233730)		\$1.88	foot	
1233826	2.5" PVC Conduit	\$	0.50	foot	
1236186	transclosure, housing only, 54 in. X 54 in. X 71 in, steel, 1 gang	\$	2,375.00	each	

1236297	1kw, 200 amp meter socket, 60 amp disconnect,(Transclosure complete)	\$	11,919.94	each
1236882	Street Name Sign Assy	\$	290.00	each
1236886	Regulatory Sign Assy (24"x30")	\$	427.00	each
1238070	70w Milwaukee harp fixture green	\$	494.12	each
1238071	70w Milwaukee harp fixture black	\$	733.62	each
1238150	150w/240v.Milwaukee harp fixture black with outlet	\$	830.00	each (HoloPhane)
1238741	70w/240v. wall pack fixture	\$	186.07	each
1238939	Precast concrete base for ped pole (11"bolt cir. 22"Dx36"H)	\$	289.54	each
1244002	slip fit head no-ballast	\$	28.75	each
1244006	slip fit head 100w/240v.	\$	59.74	each
1244250	Milwaukee lantern green	\$	322.26	each
1244251	Milwaukee lantern black	\$	409.18	each
1244980	metal pedestal housing (4"x4"x36")	\$	31.91	each
1254250	50 watt hps lamp	\$	16.74	each
1254700	150 watt H.P.S. lamp	\$	10.17	each
1254702	250 watt H.P.S. lamp	\$	10.37	each
1254751	100 watt H.P.S lamp	\$	11.64	each
1254757	70 watt H.P.S. lamp	\$	12.13	each
non stock	50 watt sharp cut-off fixture (Old Item# 1260xxx)	\$	126.97	each
1260202	150/250 watt cobra no-ballast	\$	54.96	each
1260300	150 watt/240 volt cobra fixture	\$	89.29	each
1260312	250 watt/240 volt cobra fixture	\$	100.70	each
1260316	250 watt/240 volt cut-off fixture	\$	364.11	each
non stock	150 watt/240 volt cut-off fixture (Old Item# 1260317)	\$	126.97	each
1267203	type II optical assembly	\$	38.61	each
1267265	type V optical assembly	\$	31.14	each
1272020	22' aluminum pole direct burial	\$	322.73	each
1272026	26' aluminum pole direct burial	\$	380.00	each
1272054	25' aluminum bolt down pole	\$	390.00	each
1272059	30' aluminum bolt down pole	\$	432.02	each
1272062	31' aluminum pole direct burial	\$	463.47	each
1272070	13' black bolt down steel pole (octafluted)	\$	759.50	each
non stock	10' blk. Al. Bolt down pole (Old Item# 1272074)	\$	0.01	each
1272076	15' black bolt down steel pole (octafluted)	\$	885.81	each
1272077	13' green bolt down steel pole (octafluted)	\$	759.50	each
1272078	15' green bolt down steel pole (octafluted)	\$	899.00	each
1272081	14.7' Harp pole steel/cast iron base/2 bracelets	\$	7,239.00	each
1272083	30' Lantern pole steel/cast iron base/ 3 bracelets	\$	4,806.00	each
1272125	H15 concrete pole 13' diect burial	\$	620.83	each
1272127	H17 concrete pole 15' direct burial	\$	727.98	each

1272143	26' black square concrete pole direct burial	\$	737.00	each	
1272145	A31 concrete pole direct burial (Gray)	\$	740.00	each	
1272146	A21 concrete pole direct burial	\$	620.00	each	
1272147	A26 concrete pole direct burial	\$	660.00	each	
1272148	A31 concrete pole direct burial (Black)	\$	1,250.00	each	
1272150	AT-31R concrete pole direct burial	\$	1,628.57	each	
non stock	A31 concrete pole Bolt Down (Black)	\$	1,500.00	each	
non stock	AT31 concrete pole direct burial	\$	0.01	each	
non stock	AT26 concrete pole direct burial	\$	0.01	each	
non stock	UD concrete pole direct burial	\$	0.01	each	
non stock	PD concrete pole direct burial	\$	0.01	each	
non stock	S concrete pole direct burial	\$	0.01	each	
non stock	200 amp Meter Socket (Old Item# 127300)	\$	110.28	each	
non stock	5/8" x 8' ground rod (Old Item# 1278870)	\$	10.00	each	
non stock	100 amp meter socket (Old Item# 1279100)	\$	25.17	each	from '97 stock catalog
1279189	Sleeve, splicing, pvc, 2 in. X 12 in. inside bore	\$	2.23	each	
1279255	Sleeve Assembly, transformer, epoxy	\$	3.73	each	
1281451	oil switch (sub station equip.)	\$	2,130.00	each	
1283075	Tape, electrical, 3/4 in. X 15 ft. semi-conducting	\$	9.09	each	
1283208	Tape, rubber, 3/4 in.	\$	2.75	each	
1285540	70 watt HPS single coil series ballast	\$	162.15	each	
1285541	70 watt HPS double coil series ballast	\$	315.06	each	
1285542	70 watt HPS triple coil series ballast	\$	348.81	each	
1285550	100 watt HPS single coil series ballast	\$	203.88	each	
1285551	100 watt HPS double coil series ballast	\$	252.63	each	
1285552	100 watt HPS triple coil series ballast	\$	467.78	each	
1285560	150 watt HPS single coil series ballast	\$	174.88	each	
1285561	150 watt HPS double coil series ballast	\$	356.51	each	
1285570	250 watt HPS single coil series ballast	\$	236.16	each	
1285571	250 watt HPS double coil series ballast	\$	414.36	each	
1285940	37.5 kva 2200-7620 240/480 transformer	\$	722.00	each	
1285941	50 kva 2200-7620 240/480 transformer	\$	765.63	each	from '97 stock catalog
1285943	50 kva 4800 primary, 240/480 secondary, single phase transformer	\$	693.33	each	
1285946	1 kva 2160 primary/120 secondary, single phase transformer	\$	336.19	each	
1285947	1 kva 4800 primary/120 secondary, single phase transformer	\$	429.12	each	
1285948	1 kva 7620 primary/120 secondary, single phase transformer	\$	423.95	each	
1285957	75 kva 2200-7600 240/480 transformer	\$	1,272.48	each	
non stock	Planter basket	\$	1,458.00	each	
non stock	Regulatory Sign Assy (18"x24")	\$	445.50	each	4/16/2005 prices
non stock	concrete	\$	80.00	cu.yd.	per Darrell Sobczak x5533 708-4223 2/18/09

2105240	35 ft. wood pole	\$	0.02	each
2105252	40 ft. wood pole	\$	0.02	each
2105272	45 ft. wood pole	\$	0.02	each
3400032	2#2/1#4 al. triplex cable - secondary	\$	0.34	foot
3400034	2#4/1#6 al. triplex cable - secondary	\$	0.90	foot
3400036	3#6 al. Triplex cable - secondary	\$	0.63	foot
3400439	1#8 concentric cable - primary	\$	1.67	foot
3400742	2#12 UF cable - secondary	\$	0.45	foot
3400799	3#2/1#8 LTP cable - secondary	\$	3.64	foot
3400804	3#4/1#8 LTP cable - secondary	\$	2.61	foot
3400812	3#12 UF cable - secondary	\$	0.66	foot
3400812	3#12 UF w/grd. cable - secondary	\$	0.66	foot
3400831	3#6/1#8 LTP cable - secondary	\$	1.72	foot
3400840	3#8/1#8 LTP cablr - secondary	\$	1.14	foot
3400851	3#10 UF cable - secondary	\$	1.02	foot
3420290	1#6 primary line wire	\$	0.74	foot
3420295	Wire type TW #6 stranded, black	\$	0.54	foot
non stock	radio control	\$	475.00	each
non stock	Hoffman enclosure	\$	745.84	each
non stock	100amp switch	\$	310.00	each
non stock	27" round vault	\$	227.00	each
non stock	27" round cover	\$	97.50	each
non stock	13"x24"x18" rectangular vault & cover	\$	224.81	each
non stock	17"x30"x18" rectangular vault & cover	\$	269.23	each
non stock	200amp service cabinet complete	\$	2,000.00	each
non stock	1/0 bare copper wire	\$	2.00	LF
non stock	Metal pedestal base (Fabricated)	\$	100.00	each
non stock	11 1/2" dia. steel pole insert	\$	2,000.00	each
non stock	30" dia.x 8 ft. high cardboard tube	\$	170.00	each
non stock	24" dia.x 6 ft. high cardboard tube	\$	100.00	each
non stock	1" dia. X 3 ft. threaded rod	\$	17.03	each
non stock	6 ft. Rebar cage	\$	399.19	each
non stock	4"X4"X4" Cast Iron Box (Steel Checkered Plate Cover)	\$	250.00	each
non stock	heavy duty, bronze, 5/8", 10Sol-1/0Str (Acorn Nut)	\$	8.45	each

Salary Additives

Fringe Benefit and Indirect

Salary Rate =====>

87.90%

Example Labor Rate=Rate (hr.) x Salary Additive

\$55.52

Labor Fringe Benefit, Indirect Salary, and Indirect Cost Factor	1.8790
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2011 LABOR RATES FROM SALARY ORDINANCE (as of 7/6/2011)

Pay Range	Local 494-Electrical Group	Top Wage Rate	Unit
978	Electrical Mechanic (crew chief)	\$31.05	/hr.
978	Electrical Mechanic	\$29.55	/hr.
975	Electrical Mechanic Apprentice	\$26.59	/hr.
974	Electrical Worker	\$22.70	/hr.
960	Directional Boring Operator	\$27.56	/hr.
AFSCME District Council 48			
245	Utility Worker, Electrical Worker	\$20.82	/hr.
245	Traffic Sign Worker II	\$20.82	/hr.
245	Special Laborer Electrical Services	\$20.82	/hr.
235	Traffic Sign Worker I	\$19.86	/hr.
230	Laborer Electrical Services	\$19.37	/hr.
220	City Laborer Regular	\$18.97	/hr.
205	City Laborer Seasonal	\$17.41	/hr.
Local 494-Machine			
698	Machinist II	\$27.95	/hr.
696	Electrical Services Machinist I	\$27.01	/hr.
696	Electrical Services Blacksmith	\$27.01	/hr.
694	Electrical Services Welder	\$24.32	/hr.
Building and Construction Trades			
989	Sewer Mason	\$32.85	/hr.
982	Cement Finisher	\$27.46	/hr.
981	Painter	\$26.43	/hr.

Pole Crew

1 Electrical Mechanic

1 Electrical Worker

2 Special Laborer Electrical Services

Fleet Services 2011 Rate Schedule Jan.31.2011

Aerial/Boom Trucks	\$ 6.63 hr.
Compressors	\$ 1.04 hr.
Constr. Equipment - Small	\$ 0.66 hr.
Constr. Equipment - Med	\$ 1.38 hr.
Constr. Equipment - Large	\$ 7.85 hr.
Dump Truck (Small)	\$ 3.63 hr.
Dump Truck (Med. & Lrg.)	\$ 5.77 hr.
Misc. Large Truck (Line Truck)	\$ 3.62 hr.
Pickup	\$ 2.35 hr.
Trailers (Pole & Cable)	\$ 0.18 hr.
Van [Heavy]	\$ 2.85 hr.

Equipment Additive **24.09%**

Crane with operator (Rental) **\$68.47** hr.

<u>Vehicle Or Equipment Type</u>	<u>Vehicle Hourly Rate Includes Fuel - does Not Include Operator (for Charging Internal City Projects Only)</u>	<u>Group Description of Equip</u>
Aerial/Boom Trucks	\$ 6.63	Aerial Man Lift Truck, Derric
Bridge Inspection Truck	\$ 27.35	Under Bridge Inspection Boon
Cars	\$ 1.28	Car-Station Wagon, Car Comm
Compressors	\$ 1.04	Compressor-Dump Truck M
Constr. Equipment - Small	\$ 0.66	Breaker for Backhoe, Concre
Constr. Equipment - Medium	\$ 1.38	Asphalt Reclaimer, Brush-Ch
Constr. Equipment - Large	\$ 7.85	Backhoe/Loader, Constructio
Containers	\$ 0.08	Rolloff Container
Custom Bus - Type Unit	\$ 2.29	Bookmobile, Mobile Medical U
Dump Truck -Small	\$ 3.63	One Ton Dump, Two Yard I
Dump Truck - Medium & Large	\$ 5.77	Contractor Dump Body, Du
Leaf Equipment	\$ 1.26	Leaf Hopper, Leaf Pan, Leaf
Miscellaneous	\$ 0.45	Boat-Non Police, Golf Cart, G
Miscellaneous Large Trucks	\$ 3.62	Gate Valve Turner Truck, Ma
Pickups	\$ 2.35	Carrall/Suburban Type, Comp
Plows	\$ 1.53	Snow Plow
Refuse Collection	\$ 11.15	Packer-Rear Load Container,
Salt Spreaders	\$ 1.11	Salt Spreader
Sewer Equipment	\$ 7.83	Misc.Sewer Cleaners, Sewer

Small Tractors	\$ 6.16	Lawn Mowers, Farm Tractor
Street Sweepers	\$ 28.74	Street Sweeper
Tow Trucks	\$ 3.38	Wrecker Heavy, Wrecker Lig
Trailers	\$ 0.18	Bucket Sewer Cleaner-Traile
Vans - Light	\$ 2.35	Cargo Van-Light, Van-Passe
Vans - Heavy	\$ 2.85	Cube Van, Step Van

Equipment

Back Digger, Log Loader

Box Truck

Compact, Car Midsize Mini-Passenger

Generator Mounted, Compressor-Trailer or Skid

Asphalt Mixer, Concrete Strike Off, Flusher, Grinder/Crack Router Scabbler, Line Eraser, Line Marker, Mudjack, Ripper, Drill Rig-B Unit, Floor Sweeper, Forklift, Hydrocrane-Basin Cleaner, **Pavement Breaker**, Shop Crane, Tower Crane, Crawler Dozer, **Drill Rig-A Unit**, End Loader, Gradall-Excavator/Crane, Long Line Marker Unit, Pallet

Unit

Dump

2 Ton 5 Yard, Dump-Over 3.5 Ton, Dump-Triaxle, Dump 5 Passenger Insulated, Dump Tandem Axle

Rake

Generators, Pressure Washer, Vehicle Heater/Tool Heater, Not Assigned to Rental Class

Tractor Trailer, Tractor, Tractor Trailer, Stake Truck, Tree Spade Truck, Tilt Top Car Carrier, Welders Truck

Generator, Compressor Truck, Mini Pick Up Truck, Pick Up-Full Size, Pick Up Enclosed Body 4X4 (SUV), **Utility Body Pick Up**

, Packer Automated Side Loading, Packer Recycling Cart 25 YD, Packer Front/Top Loading, Packer W/O Compactor

Jet, Sewer Rodder

, Holder-Tractor, Trackless

ht

r, Chlorinator-Trailer, Infa Red-Trailer, Miscellaneous Trailer, Pressure Tester Trailer, **Trailer Cable Reel**, W
enger

, Pump, Sand Blaster, **Saw-Concrete/Asphalt**, Snowblower, Sod Cutter/Soil Shredder, Sprayer-Trailer Mounted, S
e-Small Mobil, Sidewalk Sweeper, Skid Steer Loader, Skid Steer Loader W/Planer, Snow Blower for Endloader, Stu
Road Patcher Truck, Road Planer

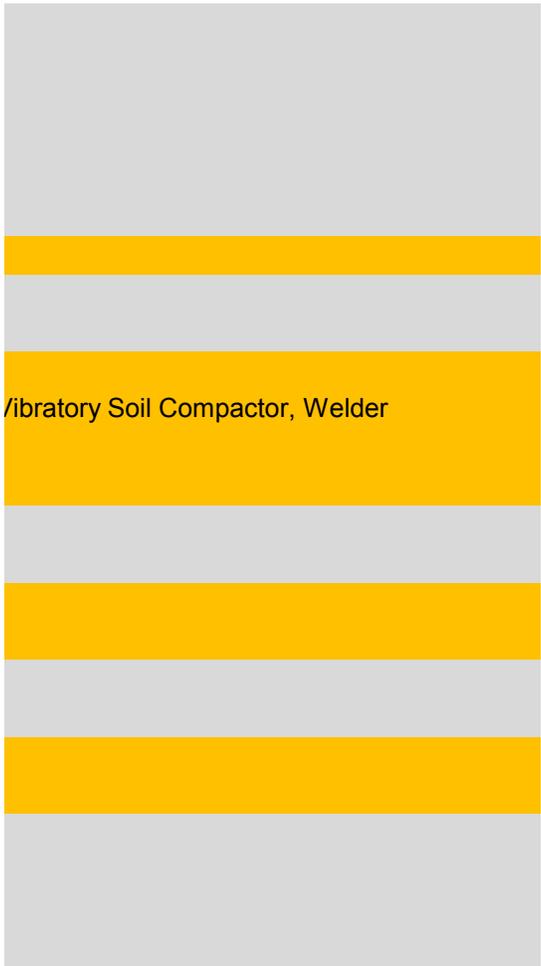
kup

Cart Lifters 25 YD, Packer with Cart Lifters 25 YD, Rolloff Truck

Water Wagon

team Cleaner Pressure Washer, Tar Kettle, Tar Melter, Tree Spade, Vehicle Heater/Tool Heater, Vibratory Roller, V
mp Cutter, Trencher, Vac All, Vacuum Unit-Skid Mounted





Vibratory Soil Compactor, Welder



2011 Salary Ordinance updated through 7/6/11 Common Council Meeting

Pay Range	Job Title	Hourly Rates						Average	Highest Wage	
978	Electrical Mechanic (Crew Chief)	\$31.05						\$31.05	\$31.05	
978	Electrical Mechanic	\$29.55						\$29.55	\$29.55	
975	Electrical Mechanic Apprentice	\$14.77	\$17.73	\$22.16	\$26.59			\$20.31	\$26.59	
974	Electrical Worker	\$18.35	\$19.59	\$21.15	\$22.70			\$20.45	\$22.70	
245	Utility Worker/Electrical Worker	\$18.83	\$19.25	\$19.69	\$20.15	\$20.82		\$19.75	\$20.82	
245	Traffic Sign Worker II	\$18.83	\$19.25	\$19.69	\$20.15	\$20.82		\$19.75	\$20.82	
245	Special Laborer Electrical Services	\$18.83	\$19.25	\$19.69	\$20.15	\$20.82		\$19.75	\$20.82	
235	Traffic Sign Worker I	\$17.99	\$18.36	\$18.78	\$19.22	\$19.86		\$18.84	\$19.86	
230	Laborer Electrical Services	\$17.59	\$17.94	\$18.33	\$18.75	\$19.37		\$18.40	\$19.37	
220	City Laborer Regular	\$17.28	\$17.64	\$18.02	\$18.39	\$18.97		\$18.06	\$18.97	
205	City Laborer Seasonal	\$14.73	\$15.74	\$16.39	\$16.73	\$17.07	\$17.24	\$17.41	\$16.13	\$17.41
698	Machinist II	\$24.34	\$25.21	\$26.10	\$27.01	\$27.95		\$26.12	\$27.95	
696	Electrical Services Machinist I	\$23.53	\$24.34	\$25.21	\$26.10	\$27.01		\$25.24	\$27.01	
696	Electrical Services Blacksmith	\$23.53	\$24.34	\$25.21	\$26.10	\$27.01		\$25.24	\$27.01	
694	Electrical Services Welder	\$21.42	\$22.07	\$22.76	\$23.51	\$24.32		\$22.82	\$24.32	
989	Sewer Mason	\$32.85						\$32.85	\$32.85	
982	Cement Finisher	\$27.46						\$27.46	\$27.46	
981	Painter	\$26.43						\$26.43	\$26.43	
960	Directional Boring Operator	\$27.56						\$27.56	\$27.56	



Legislation Details (With Text)

File #: 111479 **Version:** 0

Type: Resolution **Status:** In Committee

File created: 2/28/2012 **In control:** PUBLIC WORKS COMMITTEE

On agenda: **Final action:**

Effective date:

Title: Resolution relative to the cost participation and installation of street lighting facilities in conjunction with the State and Federal Aid paving of West Capitol Drive from North 60th Street to North 84th Street in the 2nd, 5th, and 10th Aldermanic Districts at a total estimated cost of \$256,572.15, with 100 percent of the total cost funded by the Wisconsin Department of Transportation.

Sponsors: THE CHAIR

Indexes: AGREEMENTS, HIGHWAYS, STREET IMPROVEMENTS, STREET LIGHTING, WISCONSIN DEPARTMENT OF TRANSPORTATION

Attachments: Comptroller's Certification, Cost Analysis, Revised Executed Agreement from 110985, Agreement, Hearing Notice List

Date	Ver.	Action By	Action	Result	Tally
2/28/2012	0	COMMON COUNCIL	ASSIGNED TO		
3/2/2012	0	PUBLIC WORKS COMMITTEE	HEARING NOTICES SENT		

Number
111479
Version
ORIGINAL
Reference
100328, 110985
Sponsor
THE CHAIR
Title

Resolution relative to the cost participation and installation of street lighting facilities in conjunction with the State and Federal Aid paving of West Capitol Drive from North 60th Street to North 84th Street in the 2nd, 5th, and 10th Aldermanic Districts at a total estimated cost of \$256,572.15, with 100 percent of the total cost funded by the Wisconsin Department of Transportation.

Analysis

This resolution authorizes the Commissioner of Public Works and Comptroller to enter into a funding agreement with the Wisconsin Department of Transportation for installation of street lighting facilities in conjunction with the State and Federal Aid paving of West Capitol Drive from North 60th Street to North 84th Street in the 2nd, 5th, and 10th Aldermanic Districts at a total estimated cost of \$256,572.15, with 100 percent of the total cost funded by the Wisconsin Department of Transportation, and to install these improvements upon execution of the agreement. This resolution also authorizes the Comptroller to establish and transfer funds to the appropriate accounts for the project. The total estimated cost of the entire project is \$18,783,080.00 with a grantor share of \$17,194,440.00 and a City share of \$1,588,640.00

Body

Whereas, The Project Agreement for the paving of West Capitol Drive from North 60th Street to North 84th Street was approved by the Common Council under File Number 100328; and

Whereas, The Surface Transportation Program provides cost participation for street lighting improvements in conjunction with the paving of highways located on the State and Federal Aid Highway System; and

Whereas, The total estimated cost of this project is \$256,572.15 for the alteration and upgrade of street lighting facilities; and

Whereas, 100 percent of the participating project cost for the installation of street lighting is reimbursable from the Wisconsin Department of Transportation (WISDOT), and should be earmarked for this project in the 2012 Capital Grant and Aids Project Number SP032120100; and

Whereas, The State cannot proceed with any project cost overruns and changes in scope of more than 5% without prior Department of Public Works approval; and

Whereas, The Department of Public Works shall notify the Common Council of the City of Milwaukee at the next scheduled meeting of any such project cost overruns and changes in scope approved by the Department of Public Works; and

Whereas, The Common Council of the City of Milwaukee recognizes that the City may be 100% liable for any such project cost overruns and changes in scope as approved by the Department of Public Works; and

Whereas, The Common Council of the City of Milwaukee recognizes that the City may be liable for any costs incurred by the State should the City decide to withdraw from the project; now, therefore, be it

Resolved, By the Common Council of the City of Milwaukee, that the Commissioner of Public Works and the Comptroller are authorized to enter into a funding agreement and are directed to execute the contract with WISDOT for the installation of street lighting facilities in conjunction with the improvements to West Capitol Drive from North 60th Street to North 84th Street with unit prices based on a predetermined estimate prepared under the State and Federal aided highway program, a copy of which is attached to this resolution, and is incorporated into this resolution as though set forth in full; and, be it

Further Resolved, That upon approval of this contract, that the Commissioner of Public Works is directed to install and modify street lighting facilities in conjunction with the improvements to West Capitol Drive from North 60th Street to North 84th Street; and, be it

Further Resolved, That upon approval of this contract, the City Comptroller is hereby authorized to create within the Capital Grant and Aid Projects Fund the appropriate Project Chartfield Value for this project; and transfer to these accounts the amount required under the agreement and City accounting policy, but not to exceed a ten percent increase of the total amounts reserved for the grantor's share and local share or \$5,000, whichever is greater as follows:

Infrastructure Services Division

Project I.D.-2025-11-92
West Capitol Drive - North 60th Street to North 84th Street

Grantor Reimbursable Cash - Street Lighting
Fund Number-0306
Project Number-SP032120100
\$256,572.15

Total \$256,572.15

Previously Authorized for Street Lighting Improvements-\$0
Current Estimated Cost of the Total Project Including this Resolution-\$18,783,080.00
Original Estimated Cost of the Total Project (Common Council Resolution File Number 041289)-\$19,065,000.

Requestor
Department of Public Works
Drafter

Infrastructure Services Division
RWB:clm
February 21, 2012
Title
West Capitol Drive (60th to 84th)

**Capital Grant Resolution Certification from the
Comptroller's Office**

The Comptroller's Office has reviewed Common Council Resolution File No. 111479 for installation of street lighting facilities in conjunction with West Capitol Drive from N 60th St to N 84th St (City Share \$0; Grantor Share \$256,572.15) and approved the resolution as to:

- Sufficiency of funds
- Funding sources (per estimated **grant funding agreement**)
- Sufficiency of reporting for purposes of internal auditing

The following deficiencies were noted:

The resolution should be corrected and returned to the Comptroller's Office for review.

Signature: C. Weirich

Date: 2-21-12

2025-11-92 W Capitol Dr/ N 60th St to N 84th St (City Share \$0; Grantor Share \$256,572.15)

PROJECT UNIT COST ANALYSIS

ESTIMATE OF QUANTITIES

West Capitol Drive
2025-11-92
North 60th Street TO North 84th Street
MILWAUKEE COUNTY

Item No.	Description	Unit	Quantity	Excluded Costs	City Unit	City Total
90005-1	2.5" PVC CONDUIT (ACROSS DRIVEWAY)	LF	140	\$ 172.67	\$ 8.51	\$ 1,191.76
90005-5	2" PVC CONDUIT (DIRECTIONAL BORED)	LF	560	\$ 661.46	\$ 4.12	\$ 2,306.90
90005-7	METAL PEDESTAL CABINET	EACH	13	\$ 479.83	\$ 110.54	\$ 1,437.07
90005-10	3#2/1#8 LTP UNDERGROUND CABLE	LF	500	\$ 2,033.64	\$ 6.29	\$ 3,145.41
90005-11	3#4/1#8 LTP UNDERGROUND CABLE	LF	825	\$ 2,417.31	\$ 5.15	\$ 4,251.66
90005-13	3#8/1#8 LTP UNDERGROUND CABLE	LF	1150	\$ 1,506.28	\$ 3.53	\$ 4,063.28
90005-16	3#12 UF UNDERGROUND CABLE	LF	4175	\$ 3,268.60	\$ 3.01	\$ 12,551.54
90005-17	2#12 UF UNDERGROUND CABLE	LF	565	\$ 308.79	\$ 2.77	\$ 1,565.03
90005-18	1#8 CONCENTRIC UNDERGROUND CABLE	LF	17665	\$ 33,492.34	\$ 2.88	\$ 50,835.45
90005-27	INSTALL A31 CONCRETE POLE (GRAY) INCLUDES RISER CABLE	EACH	8	\$ 6,876.09	\$ 1,125.02	\$ 9,000.17
90005-30	INSTALL AT-31R CONCRETE POLE (GRAY OR BLACK) INCLUDES RISER CABLE	EACH	5	\$ 9,278.38	\$ 2,379.64	\$ 11,898.19
90005-36	INSTALL 26 FT. ALUMINUM POLE (DIRECT BURIAL) INCLUDES RISER CABLE	EACH	1	\$ 459.37	\$ 724.91	\$ 724.91
90005-37	INSTALL 31 FT. ALUMINUM POLE (DIRECT BURIAL) INCLUDES RISER CABLE	EACH	58	\$ 32,186.74	\$ 820.45	\$ 47,586.25
90005-53	INSTALL 6'-0" 2" AL. MITCHELL UPSWEEP BRACKET	EACH	132	\$ 6,558.37	\$ 98.77	\$ 13,038.10
90005-56	INSTALL A31 MOUNTING CLAMP DOUBLE BRACKET	EACH	6	\$ 295.59	\$ 73.81	\$ 442.87
90005-70	REMOVE BRACKET AND FIXTURE COMPLETE	EACH	5	\$ 16.58	\$ 52.41	\$ 262.03
90005-71	INSTALL 100W/240V SLIPFIT FIXTURE, TYPE 2 OPTICS, & 100 WATT HIGH PRESSURE SODIUM LAMP	EACH	1	\$ 126.11	\$ 199.75	\$ 199.75
90005-75	INSTALL 150W/240V COBRA FIXTURE & 150 WATT HIGH PRESSURE SODIUM LAMP	EACH	4	\$ 458.06	\$ 188.15	\$ 752.59
90005-76	INSTALL 250W/240V COBRA FIXTURE & 250 WATT HIGH PRESSURE SODIUM LAMP	EACH	24	\$ 3,055.26	\$ 200.94	\$ 4,822.46
90005-77	INSTALL SERIES WITHOUT BALLAST COBRA FIXTURE, 55 VOLT IGNITOR & 150 WATT HIGH PRESSURE SODIUM LAMP	EACH	22	\$ 2,500.89	\$ 187.31	\$ 4,120.83
90005-78	INSTALL SERIES WITHOUT BALLAST COBRA FIXTURE, 100 VOLT IGNITOR & 250 WATT HIGH PRESSURE SODIUM LAMP	EACH	82	\$ 9,252.40	\$ 186.47	\$ 15,290.34
90005-92	INSTALL 100 WATT SINGLE COIL BALLAST	EACH	20	\$ 4,647.89	\$ 483.11	\$ 9,662.19
90005-93	INSTALL 100 WATT DOUBLE COIL BALLAST	EACH	7	\$ 2,002.62	\$ 536.80	\$ 3,757.62
90005-94	INSTALL 100 WATT TRIPLE COIL BALLAST	EACH	1	\$ 523.05	\$ 773.76	\$ 773.76
90005-95	INSTALL 150 WATT SINGLE COIL BALLAST	EACH	36	\$ 7,216.21	\$ 451.17	\$ 16,241.95
90005-96	INSTALL 150 WATT DOUBLE COIL BALLAST	EACH	7	\$ 2,803.51	\$ 651.22	\$ 4,558.51
90005-98	INSTALL 250 WATT DOUBLE COIL BALLAST	EACH	46	\$ 21,353.86	\$ 464.21	\$ 21,353.86
90005-99	SECONDARY SPLICE	EACH	1	\$ 3.56	\$ 117.52	\$ 117.52
90005-100	SPLICE 1#8 PRIMARY	EACH	17	\$ 72.68	\$ 141.03	\$ 2,397.51
90005-103	HAND HOLE OR PEDESTAL SPLICE	EACH	110	\$ 235.13	\$ 70.51	\$ 7,756.60
90005-106	INSTALL GROUND & TEST STATION	EACH	1	\$ 119.18	\$ 466.04	\$ 466.04

TOTAL CITY COST \$256,572.15
TOTAL EXCLUDED COSTS \$154,382.45

APPROVED BY:

ROBERT W. BRYSON
CHIEF TRAFFIC AND LIGHTING ENGINEER

TRANSPORTATION SECTION
TRAFFIC AND LIGHTING DESIGN UNIT

Eng-Kie Lee
REVISED: 02/20/2012

** Please note that the Total City Cost includes the embedded costs of mobilization used for calculating City Unit Costs on the attached worksheets.

Project ID: 2025-11-92
 Highway: North 60th Street TO North 84th Street
 County: Milwaukee

Item Number: **90005-1**
 Item: **2.5" PVC CONDUIT (ACROSS DRIVEWAY)**

Quantity: 140
 Unit: LF

Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Dump Truck (Med. & Lrg.)	0.100	14.000	\$5.77	\$ 80.78
	Compressors	0.100	14.000	\$1.04	\$ 14.56
Total Machinery Charges					\$ 95.34
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Laborer Electrical Services	0.100	14.000	\$19.37	\$ 271.18
	Laborer Electrical Services	0.100	14.000	\$19.37	\$ 271.18
Sub-Total Labor Cost					\$ 542.36
Fringe Benefit Rate @ 91.84%					\$ 476.73
Total Labor Cost					\$ 1,019.09
Material Costs:	Item	Amount	Price	Total	
	2.5" PVC Conduit	140	\$0.50	\$ 70.21	
Sub-Total Material Cost				\$ 70.21	
Indirect Cost Factor @ 12.21%				\$ 7.12	
Total Material Cost				\$ 77.33	
TOTAL COST					\$ 1,191.76
Total Cost Per Unit					\$ 8.51
Total Excluded Cost					\$ 172.67

Project ID: 2025-11-92
 Highway: North 60th Street TO North 84th Street
 County: Milwaukee

Item Number: **90005-5**
 Item: **2" PVC CONDUIT (DIRECTIONAL BORED)**

Quantity: 560
 Unit: LF

Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Compressors	0.022	12.320	\$1.04	\$ 12.81
	Constr. Equipment - Med	0.022	12.320	\$1.38	\$ 17.00
	Dump Truck (Med. & Lrg.)	0.044	24.640	\$5.77	\$ 142.17
	Trailers (Pole & Cable)	0.022	12.320	\$0.18	\$ 2.22
Total Machinery Charges					\$ 174.20
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Worker	0.022	12.320	\$22.70	\$ 279.66
	Directional Boring Operator	0.022	12.320	\$27.56	\$ 339.54
	Special Laborer Electrical Services	0.022	12.320	\$20.82	\$ 256.50
Sub-Total Labor Cost					\$ 875.70
Fringe Benefit Rate @ 91.84%					\$ 769.74
Total Labor Cost					\$ 1,645.44
Material Costs:	Item	Amount	Price	Total	
	2" PVC Continous Duct	560	\$0.79	\$ 442.40	
Sub-Total Material Cost				\$ 442.40	
Indirect Cost Factor @ 12.21%				\$ 44.86	
Total Material Cost				\$ 487.26	
TOTAL COST					\$ 2,306.90
Total Cost Per Unit					\$ 4.12
Total Excluded Cost					\$ 661.46

Project ID: 2025-11-92 Highway: North 60th Street TO North 84th Street County: Milwaukee						
Item Number: 90005-7 Item: METAL PEDESTAL CABINET						
Quantity: 13 Unit: EACH						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Pickup	0.750	9.750	\$2.35	\$	22.91
					Total Machinery Charges	\$ 22.91
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.750	9.750	\$29.55	\$	288.11
	Electrical Worker	0.750	9.750	\$22.70	\$	221.33
					Sub-Total Labor Cost	\$ 509.44
					Fringe Benefit Rate @ 91.84%	\$ 447.80
					Total Labor Cost	\$ 957.24
Material Costs:	Item	Amount	Price	Total		
	metal pedestal housing (4"x4"x36")	13	\$31.91	\$	414.85	
					Sub-Total Material Cost	\$ 414.85
					Indirect Cost Factor @ 12.21%	\$ 42.07
					Total Material Cost	\$ 456.92
					TOTAL COST	\$ 1,437.07
					Total Cost Per Unit	\$ 110.54
					Total Excluded Cost	\$ 479.83

Project ID: 2025-11-92 Highway: North 60th Street TO North 84th Street County: Milwaukee						
Item Number: 90005-10 Item: 3#2/1#8 LTP UNDERGROUND CABLE						
Quantity: 500 Unit: LF						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Dump Truck (Med. & Lrg.)	0.009	4.500	\$5.77	\$	25.97
	Trailers (Pole & Cable)	0.009	4.500	\$0.18	\$	0.81
					Total Machinery Charges	\$ 26.78
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic (crew chief)	0.009	4.500	\$31.05	\$	139.73
	Electrical Worker	0.009	4.500	\$22.70	\$	102.15
	Special Laborer Electrical Services	0.009	4.500	\$20.82	\$	93.69
	City Laborer Regular	0.009	4.500	\$18.97	\$	85.37
	City Laborer Regular	0.009	4.500	\$18.97	\$	85.37
	City Laborer Regular	0.009	4.500	\$18.97	\$	85.37
					Sub-Total Labor Cost	\$ 591.68
					Fringe Benefit Rate @ 91.84%	\$ 520.09
					Total Labor Cost	\$ 1,111.77
Material Costs:	Item	Amount	Price	Total		
	3#2/1#8 LTP cable - secondary	500	\$3.64	\$	1,822.10	
					Sub-Total Material Cost	\$ 1,822.10
					Indirect Cost Factor @ 12.21%	\$ 184.76
					Total Material Cost	\$ 2,006.86
					TOTAL COST	\$ 3,145.41
					Total Cost Per Unit	\$ 6.29
					Total Excluded Cost	\$ 2,033.64

Project ID: 2025-11-92 Highway: North 60th Street TO North 84th Street County: Milwaukee						
Item Number: 90005-11 Item: 3#4/1#8 LTP UNDERGROUND CABLE						
Quantity: 825 Unit: LF						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Dump Truck (Med. & Lrg.)	0.009	7.425	\$5.77	\$	42.84
	Trailers (Pole & Cable)	0.009	7.425	\$0.18	\$	1.34
					Total Machinery Charges	\$ 44.18
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	0.009	7.425	\$31.05	\$	230.55
	Electrical Worker	0.009	7.425	\$22.70	\$	168.55
	Special Laborer Electrical Services	0.009	7.425	\$20.82	\$	154.59
	City Laborer Regular	0.009	7.425	\$18.97	\$	140.85
	City Laborer Regular	0.009	7.425	\$18.97	\$	140.85
	City Laborer Regular	0.009	7.425	\$18.97	\$	140.85
					Sub-Total Labor Cost	\$ 976.24
					Fringe Benefit Rate @ 91.84%	\$ 858.11
					Total Labor Cost	\$ 1,834.35
Material Costs:	<u>Item</u>	<u>Amount</u>		<u>Price</u>	<u>Total</u>	
	3#4/1#8 LTP cable - secondary	825		\$2.61	\$	2,154.65
					Sub-Total Material Cost	\$ 2,154.65
					Indirect Cost Factor @ 12.21%	\$ 218.48
					Total Material Cost	\$ 2,373.13
					TOTAL COST	\$ 4,251.66
					Total Cost Per Unit	\$ 5.15
					Total Excluded Cost	\$ 2,417.31

Project ID: 2025-11-92 Highway: North 60th Street TO North 84th Street County: Milwaukee						
Item Number: 90005-13 Item: 3#8/1#8 LTP UNDERGROUND CABLE						
Quantity: 1150 Unit: LF						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Dump Truck (Med. & Lrg.)	0.009	10.350	\$5.77	\$	59.72
	Trailers (Pole & Cable)	0.009	10.350	\$0.18	\$	1.86
					Total Machinery Charges	\$ 61.58
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	0.009	10.350	\$31.05	\$	321.37
	Electrical Worker	0.009	10.350	\$22.70	\$	234.95
	Special Laborer Electrical Services	0.009	10.350	\$20.82	\$	215.49
	City Laborer Regular	0.009	10.350	\$18.97	\$	196.34
	City Laborer Regular	0.009	10.350	\$18.97	\$	196.34
	City Laborer Regular	0.009	10.350	\$18.97	\$	196.34
					Sub-Total Labor Cost	\$ 1,360.83
					Fringe Benefit Rate @ 91.84%	\$ 1,196.17
					Total Labor Cost	\$ 2,557.00
Material Costs:	<u>Item</u>	<u>Amount</u>		<u>Price</u>	<u>Total</u>	
	3#8/1#8 LTP cablr - secondary	1150		\$1.14	\$	1,311.69
					Sub-Total Material Cost	\$ 1,311.69
					Indirect Cost Factor @ 12.21%	\$ 133.01
					Total Material Cost	\$ 1,444.70
					TOTAL COST	\$ 4,063.28
					Total Cost Per Unit	\$ 3.53
					Total Excluded Cost	\$ 1,506.28

Project ID: 2025-11-92 Highway: North 60th Street TO North 84th Street County: Milwaukee						
Item Number: 90005-16 Item: 3#12 UF UNDERGROUND CABLE						
Quantity: 4175 Unit: LF						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Dump Truck (Med. & Lrg.)	0.009	37.575	\$5.77	\$	216.81
	Trailers (Pole & Cable)	0.009	37.575	\$0.18	\$	6.76
					Total Machinery Charges	\$ 223.57
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	0.009	37.575	\$31.05	\$	1,166.70
	Electrical Worker	0.009	37.575	\$22.70	\$	852.95
	Special Laborer Electrical Services	0.009	37.575	\$20.82	\$	782.31
	City Laborer Regular	0.009	37.575	\$18.97	\$	712.80
	City Laborer Regular	0.009	37.575	\$18.97	\$	712.80
	City Laborer Regular	0.009	37.575	\$18.97	\$	712.80
					Sub-Total Labor Cost	\$ 4,940.36
					Fringe Benefit Rate @ 91.84%	\$ 4,342.58
					Total Labor Cost	\$ 9,282.94
Material Costs:	<u>Item</u>	<u>Amount</u>		<u>Price</u>	<u>Total</u>	
	3#12 UF cable - secondary	4175		\$0.66	\$	2,764.69
					Sub-Total Material Cost	\$ 2,764.69
					Indirect Cost Factor @ 12.21%	\$ 280.34
					Total Material Cost	\$ 3,045.03
					TOTAL COST	\$ 12,551.54
					Total Cost Per Unit	\$ 3.01
					Total Excluded Cost	\$ 3,268.60

Project ID: 2025-11-92 Highway: North 60th Street TO North 84th Street County: Milwaukee						
Item Number: 90005-17 Item: 2#12 UF UNDERGROUND CABLE						
Quantity: 565 Unit: LF						
Machinery	<u>Equipment</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Dump Truck (Med. & Lrg.)	0.009	5.085	\$5.77	\$	29.34
	Trailers (Pole & Cable)	0.009	5.085	\$0.18	\$	0.92
					Total Machinery Charges	\$ 30.26
Labor Costs:	<u>Position</u>	<u>Hours Per Each Unit</u>	<u>Total Hours</u>	<u>Hourly Rate</u>	<u>Total</u>	
	Electrical Mechanic (crew chief)	0.009	5.085	\$31.05	\$	157.89
	Electrical Worker	0.009	5.085	\$22.70	\$	115.43
	Special Laborer Electrical Services	0.009	5.085	\$20.82	\$	105.87
	City Laborer Regular	0.009	5.085	\$18.97	\$	96.46
	City Laborer Regular	0.009	5.085	\$18.97	\$	96.46
	City Laborer Regular	0.009	5.085	\$18.97	\$	96.46
					Sub-Total Labor Cost	\$ 668.57
					Fringe Benefit Rate @ 91.84%	\$ 587.67
					Total Labor Cost	\$ 1,256.24
Material Costs:	<u>Item</u>	<u>Amount</u>		<u>Price</u>	<u>Total</u>	
	2#12 UF cable - secondary	565		\$0.45	\$	252.89
					Sub-Total Material Cost	\$ 252.89
					Indirect Cost Factor @ 12.21%	\$ 25.64
					Total Material Cost	\$ 278.53
					TOTAL COST	\$ 1,565.03
					Total Cost Per Unit	\$ 2.77
					Total Excluded Cost	\$ 308.79

Project ID: 2025-11-92						
Highway: North 60th Street TO North 84th Street						
County: Milwaukee						
Item Number: 90005-18						
Item: 1#8 CONCENTRIC UNDERGROUND CABLE						
Quantity: 17665						
Unit: LF						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Dump Truck (Med. & Lrg.)	0.009	158.985	\$5.77	\$	917.34
	Trailers (Pole & Cable)	0.009	158.985	\$0.18	\$	28.62
					Total Machinery Charges	\$ 945.96
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.010	176.650	\$29.55	\$	5,220.01
	Electrical Worker	0.010	176.650	\$22.70	\$	4,009.96
					Sub-Total Labor Cost	\$ 9,229.97
					Fringe Benefit Rate @ 91.84%	\$ 8,113.14
					Total Labor Cost	\$ 17,343.11
Material Costs:	Item	Amount	Price	Total		
	1#8 concentric cable - primary	17665	\$1.67	\$	29,550.01	
					Sub-Total Material Cost	\$ 29,550.01
					Indirect Cost Factor @ 12.21%	\$ 2,996.37
					Total Material Cost	\$ 32,546.38
					TOTAL COST	\$ 50,835.45
					Total Cost Per Unit	\$ 2.88
					Total Excluded Cost	\$ 33,492.34

Project ID: 2025-11-92						
Highway: North 60th Street TO North 84th Street						
County: Milwaukee						
Item Number: 90005-27						
Item: INSTALL A31 CONCRETE POLE (GRAY) INCLUDES RISER CABLE						
Quantity: 8						
Unit: EACH						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Constr. Equipment - Large	1.500	12.000	\$7.85	\$	94.20
	Dump Truck (Small)	1.500	12.000	\$3.63	\$	43.56
	Trailers (Pole & Cable)	1.500	12.000	\$0.18	\$	2.16
					Total Machinery Charges	\$ 139.92
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic (crew chief)	1.500	12.000	\$31.05	\$	372.60
	Electrical Worker	1.666	13.328	\$22.70	\$	302.55
	City Laborer Regular	1.500	12.000	\$18.97	\$	227.64
	City Laborer Regular	1.500	12.000	\$18.97	\$	227.64
					Sub-Total Labor Cost	\$ 1,130.43
					Fringe Benefit Rate @ 91.84%	\$ 993.65
					Total Labor Cost	\$ 2,124.08
Material Costs:	Item	Amount	Price	Total		
	A31 concrete pole direct burial (Gray)	8	\$740.00	\$	5,920.00	
	3#12 UF cable - secondary	8	\$24.50	\$	196.01	
					Sub-Total Material Cost	\$ 6,116.01
					Indirect Cost Factor @ 12.21%	\$ 620.16
					Total Material Cost	\$ 6,736.17
					TOTAL COST	\$ 9,000.17
					Total Cost Per Unit	\$ 1,125.02
					Total Excluded Cost	\$ 6,876.09

Project ID: 2025-11-92
 Highway: North 60th Street TO North 84th Street
 County: Milwaukee

Item Number: **90005-30**
 Item: **INSTALL AT-31R CONCRETE POLE (GRAY OR BLACK) INCLUDES RISER CABLE**

Quantity: 5
 Unit: EACH

Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Constr. Equipment - Large	3.000	15.000	\$7.85	\$ 117.75
	Dump Truck (Small)	3.000	15.000	\$3.63	\$ 54.45
	Trailers (Pole & Cable)	3.000	15.000	\$0.18	\$ 2.70
Total Machinery Charges					\$ 174.90
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic (crew chief)	3.000	15.000	\$31.05	\$ 465.75
	Electrical Worker	3.167	15.833	\$22.70	\$ 359.41
	City Laborer Regular	3.000	15.000	\$18.97	\$ 284.55
	City Laborer Regular	3.000	15.000	\$18.97	\$ 284.55
Sub-Total Labor Cost					\$ 1,394.26
Fringe Benefit Rate @ 91.84%					\$ 1,225.55
Total Labor Cost					\$ 2,619.81
Material Costs:	Item	Amount	Price	Total	
	AT-31R concrete pole direct burial	5	\$1,628.57	\$ 8,142.86	
	3#12 UF cable - secondary	5	\$24.50	\$ 122.51	
Sub-Total Material Cost					\$ 8,265.37
Indirect Cost Factor @ 12.21%					\$ 838.11
Total Material Cost					\$ 9,103.48
TOTAL COST					\$ 11,898.19
Total Cost Per Unit					\$ 2,379.64
Total Excluded Cost					\$ 9,278.38

Project ID: 2025-11-92
 Highway: North 60th Street TO North 84th Street
 County: Milwaukee

Item Number: **90005-36**
 Item: **INSTALL 26 FT. ALUMINUM POLE (DIRECT BURIAL) INCLUDES RISER CABLE**

Quantity: 1
 Unit: EACH

Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Constr. Equipment - Large	1.500	1.500	\$7.85	\$ 11.78
	Dump Truck (Small)	1.500	1.500	\$3.63	\$ 5.45
	Trailers (Pole & Cable)	1.500	1.500	\$0.18	\$ 0.27
Total Machinery Charges					\$ 17.50
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic (crew chief)	1.500	1.500	\$31.05	\$ 46.58
	Electrical Worker	1.666	1.666	\$22.70	\$ 37.82
	City Laborer Regular	1.500	1.500	\$18.97	\$ 28.46
	City Laborer Regular	1.500	1.500	\$18.97	\$ 28.46
Sub-Total Labor Cost					\$ 141.32
Fringe Benefit Rate @ 91.84%					\$ 124.22
Total Labor Cost					\$ 265.54
Material Costs:	Item	Amount	Price	Total	
	26' aluminum pole direct burial	1	\$380.00	\$ 380.00	
	3#12 UF cable - secondary	1	\$21.19	\$ 21.19	
Sub-Total Material Cost					\$ 401.19
Indirect Cost Factor @ 12.21%					\$ 40.68
Total Material Cost					\$ 441.87
TOTAL COST					\$ 724.91
Total Cost Per Unit					\$ 724.91
Total Excluded Cost					\$ 459.37

Project ID: 2025-11-92						
Highway: North 60th Street TO North 84th Street						
County: Milwaukee						
Item Number: 90005-37						
Item: INSTALL 31 FT. ALUMINUM POLE (DIRECT BURIAL) INCLUDES RISER CABLE						
Quantity: 58						
Unit: EACH						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Constr. Equipment - Large	1.500	87.000	\$7.85	\$	682.95
	Dump Truck (Small)	1.500	87.000	\$3.63	\$	315.81
	Trailers (Pole & Cable)	1.500	87.000	\$0.18	\$	15.66
				Total Machinery Charges	\$	1,014.42
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic (crew chief)	1.500	87.000	\$31.05	\$	2,701.35
	Electrical Worker	1.666	96.628	\$22.70	\$	2,193.46
	City Laborer Regular	1.500	87.000	\$18.97	\$	1,650.39
	City Laborer Regular	1.500	87.000	\$18.97	\$	1,650.39
				Sub-Total Labor Cost	\$	8,195.59
				Fringe Benefit Rate @ 91.84%	\$	7,203.92
				Total Labor Cost	\$	15,399.51
Material Costs:	Item	Amount		Price	Total	
	31' aluminum pole direct burial	58		\$463.47	\$	26,881.37
	3#12 UF cable - secondary	58		\$24.50	\$	1,421.08
				Sub-Total Material Cost	\$	28,302.45
				Indirect Cost Factor @ 12.21%	\$	2,869.87
				Total Material Cost	\$	31,172.32
				TOTAL COST	\$	47,586.25
				Total Cost Per Unit	\$	820.45
				Total Excluded Cost	\$	32,186.74

Project ID: 2025-11-92						
Highway: North 60th Street TO North 84th Street						
County: Milwaukee						
Item Number: 90005-53						
Item: INSTALL 6'-0" 2" AL. MITCHELL UPSWEEP BRACKET						
Quantity: 132						
Unit: EACH						
Machinery	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Aerial/Boom Trucks	0.500	66.000	\$6.63	\$	437.58
				Total Machinery Charges	\$	437.58
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.500	66.000	\$29.55	\$	1,950.30
	Electrical Worker	0.500	66.000	\$22.70	\$	1,498.20
				Sub-Total Labor Cost	\$	3,448.50
				Fringe Benefit Rate @ 91.84%	\$	3,031.23
				Total Labor Cost	\$	6,479.73
Material Costs:	Item	Amount		Price	Total	
	Mitchell 6' upswEEP bracket	132		\$42.10	\$	5,557.28
				Sub-Total Material Cost	\$	5,557.28
				Indirect Cost Factor @ 12.21%	\$	563.51
				Total Material Cost	\$	6,120.79
				TOTAL COST	\$	13,038.10
				Total Cost Per Unit	\$	98.77
				Total Excluded Cost	\$	6,558.37

Project ID: 2025-11-92						
Highway: North 60th Street TO North 84th Street						
County: Milwaukee						
Item Number: 90005-56						
Item: INSTALL A31 MOUNTING CLAMP DOUBLE BRACKET						
Quantity: 6						
Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Aerial/Boom Trucks	0.250	1.500	\$6.63	\$	9.95
					Total Machinery Charges	\$ 9.95
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.250	1.500	\$29.55	\$	44.33
	Electrical Worker	0.250	1.500	\$22.70	\$	34.05
					Sub-Total Labor Cost	\$ 78.38
					Fringe Benefit Rate @ 91.84%	\$ 68.90
					Total Labor Cost	\$ 147.28
Material Costs:	Item	Amount	Price	Total		
	A31 mounting clamp double bracket	6	\$43.22	\$	259.34	
					Sub-Total Material Cost	\$ 259.34
					Indirect Cost Factor @ 12.21%	\$ 26.30
					Total Material Cost	\$ 285.64
					TOTAL COST	\$ 442.87
					Total Cost Per Unit	\$ 73.81
					Total Excluded Cost	\$ 295.59

Project ID: 2025-11-92						
Highway: North 60th Street TO North 84th Street						
County: Milwaukee						
Item Number: 90005-70						
Item: REMOVE BRACKET AND FIXTURE COMPLETE						
Quantity: 5						
Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Aerial/Boom Trucks	0.500	2.500	\$6.63	\$	16.58
					Total Machinery Charges	\$ 16.58
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.500	2.500	\$29.55	\$	73.88
	Electrical Worker	0.500	2.500	\$22.70	\$	56.75
					Sub-Total Labor Cost	\$ 130.63
					Fringe Benefit Rate @ 91.84%	\$ 114.82
					Total Labor Cost	\$ 245.45
Material Costs:	Item	Amount	Price	Total		
		5		\$	-	
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ 262.03
					Total Cost Per Unit	\$ 52.41
					Total Excluded Cost	\$ 16.58

Project ID: 2025-11-92						
Highway: North 60th Street TO North 84th Street						
County: Milwaukee						
Item Number: 90005-71						
Item: INSTALL 100W/240V SLIPFIT FIXTURE, TYPE 2 OPTICS, & 100 WATT HIGH PRESSURE SODIUM LAMP						
Quantity: 1						
Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Aerial/Boom Trucks	0.750	0.750	\$6.63	\$ 4.97	
					Total Machinery Charges	\$ 4.97
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.750	0.750	\$29.55	\$ 22.16	
	Electrical Worker	0.750	0.750	\$22.70	\$ 17.03	
					Sub-Total Labor Cost	\$ 39.19
					Fringe Benefit Rate @ 91.84%	\$ 34.45
					Total Labor Cost	\$ 73.64
Material Costs:	Item	Amount	Price	Total		
	slip fit head 100w/240v.	1	\$59.74	\$ 59.74		
	type II optical assembly	1	\$38.61	\$ 38.61		
	100 watt H.P.S lamp	1	\$11.64	\$ 11.64		
					Sub-Total Material Cost	\$ 109.99
					Indirect Cost Factor @ 12.21%	\$ 11.15
					Total Material Cost	\$ 121.14
					TOTAL COST	\$ 199.75
					Total Cost Per Unit	\$ 199.75
					Total Excluded Cost	\$ 126.11

Project ID: 2025-11-92						
Highway: North 60th Street TO North 84th Street						
County: Milwaukee						
Item Number: 90005-75						
Item: INSTALL 150W/240V COBRA FIXTURE & 150 WATT HIGH PRESSURE SODIUM LAMP						
Quantity: 4						
Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Aerial/Boom Trucks	0.750	3.000	\$6.63	\$ 19.89	
					Total Machinery Charges	\$ 19.89
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.750	3.000	\$29.55	\$ 88.65	
	Electrical Worker	0.750	3.000	\$22.70	\$ 68.10	
					Sub-Total Labor Cost	\$ 156.75
					Fringe Benefit Rate @ 91.84%	\$ 137.78
					Total Labor Cost	\$ 294.53
Material Costs:	Item	Amount	Price	Total		
	150 watt/240 volt cobra fixture	4	\$89.29	\$ 357.16		
	150 watt H.P.S. lamp	4	\$10.17	\$ 40.67		
					Sub-Total Material Cost	\$ 397.83
					Indirect Cost Factor @ 12.21%	\$ 40.34
					Total Material Cost	\$ 438.17
					TOTAL COST	\$ 752.59
					Total Cost Per Unit	\$ 188.15
					Total Excluded Cost	\$ 458.06

Project ID: 2025-11-92
 Highway: North 60th Street TO North 84th Street
 County: Milwaukee

Item Number: **90005-76**
 Item: **INSTALL 250W/240V COBRA FIXTURE & 250 WATT HIGH PRESSURE SODIUM LAMP**
 Quantity: 24
 Unit: EACH

Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Aerial/Boom Trucks	0.750	18.000	\$6.63	\$ 119.34
Total Machinery Charges					\$ 119.34
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic	0.750	18.000	\$29.55	\$ 531.90
	Electrical Worker	0.750	18.000	\$22.70	\$ 408.60
Sub-Total Labor Cost					\$ 940.50
Fringe Benefit Rate @ 91.84%					\$ 826.70
Total Labor Cost					\$ 1,767.20
Material Costs:	Item	Amount	Price	Total	
	250 watt/240 volt cobra fixture	24	\$100.70	\$ 2,416.80	
	250 watt H.P.S. lamp	24	\$10.37	\$ 248.83	
Sub-Total Material Cost					\$ 2,665.63
Indirect Cost Factor @ 12.21%					\$ 270.29
Total Material Cost					\$ 2,935.92
TOTAL COST					\$ 4,822.46
Total Cost Per Unit					\$ 200.94
Total Excluded Cost					\$ 3,055.26

Project ID: 2025-11-92
 Highway: North 60th Street TO North 84th Street
 County: Milwaukee

Item Number: **90005-77**
 Item: **INSTALL SERIES WITHOUT BALLAST COBRA FIXTURE, 55 VOLT IGNITOR & 150 WATT HIGH PRESSURE SODIUM LAMP**
 Quantity: 22
 Unit: EACH

Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Aerial/Boom Trucks	0.750	16.500	\$6.63	\$ 109.40
Total Machinery Charges					\$ 109.40
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic	0.750	16.500	\$29.55	\$ 487.58
	Electrical Worker	0.750	16.500	\$22.70	\$ 374.55
Sub-Total Labor Cost					\$ 862.13
Fringe Benefit Rate @ 91.84%					\$ 757.81
Total Labor Cost					\$ 1,619.94
Material Costs:	Item	Amount	Price	Total	
	150/250 watt cobra no-ballast	22	\$54.96	\$ 1,209.12	
	150 watt H.P.S. lamp	22	\$10.17	\$ 223.66	
	55 volt starting aid (ignitor)	22	\$33.57	\$ 738.54	
Sub-Total Material Cost					\$ 2,171.32
Indirect Cost Factor @ 12.21%					\$ 220.17
Total Material Cost					\$ 2,391.49
TOTAL COST					\$ 4,120.83
Total Cost Per Unit					\$ 187.31
Total Excluded Cost					\$ 2,500.89

Project ID: 2025-11-92
 Highway: North 60th Street TO North 84th Street
 County: Milwaukee

Item Number: **90005-78**
 Item: **INSTALL SERIES WITHOUT BALLAST COBRA FIXTURE, 100 VOLT IGNITOR & 250 WATT HIGH PRESSURE SODIUM LAMP**
 Quantity: 82
 Unit: EACH

Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Aerial/Boom Trucks	0.750	61.500	\$6.63	\$ 407.75
Total Machinery Charges					\$ 407.75
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic	0.750	61.500	\$29.55	\$ 1,817.33
	Electrical Worker	0.750	61.500	\$22.70	\$ 1,396.05
Sub-Total Labor Cost					\$ 3,213.38
Fringe Benefit Rate @ 91.84%					\$ 2,824.56
Total Labor Cost					\$ 6,037.94
Material Costs:	Item	Amount	Price	Total	
	150/250 watt cobra no-ballast	82	\$54.96	\$ 4,506.72	
	250 watt H.P.S. lamp	82	\$10.37	\$ 850.17	
	100 volt starting aid (ignitor)	82	\$32.60	\$ 2,673.49	
Sub-Total Material Cost					\$ 8,030.37
Indirect Cost Factor @ 12.21%					\$ 814.28
Total Material Cost					\$ 8,844.65
TOTAL COST					\$ 15,290.34
Total Cost Per Unit					\$ 186.47
Total Excluded Cost					\$ 9,252.40

Project ID: 2025-11-92
 Highway: North 60th Street TO North 84th Street
 County: Milwaukee

Item Number: **90005-92**
 Item: **INSTALL 100 WATT SINGLE COIL BALLAST**
 Quantity: 20
 Unit: EACH

Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Van [Heavy]	2.75	55.000	\$2.85	\$ 156.75
Total Machinery Charges					\$ 156.75
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic	2.75	55.000	\$29.55	\$ 1,625.25
	City Laborer Regular	2.75	55.000	\$18.97	\$ 1,043.35
Sub-Total Labor Cost					\$ 2,668.60
Fringe Benefit Rate @ 91.84%					\$ 2,345.70
Total Labor Cost					\$ 5,014.30
Material Costs:	Item	Amount	Price	Total	
	100 watt HPS single coil series ballast	20	\$203.88	\$ 4,077.66	
Sub-Total Material Cost					\$ 4,077.66
Indirect Cost Factor @ 12.21%					\$ 413.48
Total Material Cost					\$ 4,491.14
TOTAL COST					\$ 9,662.19
Total Cost Per Unit					\$ 483.11
Total Excluded Cost					\$ 4,647.89

Project ID: 2025-11-92						
Highway: North 60th Street TO North 84th Street						
County: Milwaukee						
Item Number: 90005-93						
Item: INSTALL 100 WATT DOUBLE COIL BALLAST						
Quantity: 7						
Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Van [Heavy]	2.75	19.250	\$2.85	\$	54.86
					Total Machinery Charges	\$ 54.86
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	2.75	19.250	\$29.55	\$	568.84
	City Laborer Regular	2.75	19.250	\$18.97	\$	365.17
					Sub-Total Labor Cost	\$ 934.01
					Fringe Benefit Rate @ 91.84%	\$ 820.99
					Total Labor Cost	\$ 1,755.00
Material Costs:	Item	Amount	Price	Total		
	100 watt HPS double coil series ballast	7	\$252.63	\$	1,768.44	
					Sub-Total Material Cost	\$ 1,768.44
					Indirect Cost Factor @ 12.21%	\$ 179.32
					Total Material Cost	\$ 1,947.76
					TOTAL COST	\$ 3,757.62
					Total Cost Per Unit	\$ 536.80
					Total Excluded Cost	\$ 2,002.62

Project ID: 2025-11-92						
Highway: North 60th Street TO North 84th Street						
County: Milwaukee						
Item Number: 90005-94						
Item: INSTALL 100 WATT TRIPLE COIL BALLAST						
Quantity: 1						
Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Van [Heavy]	2.75	2.750	\$2.85	\$	7.84
					Total Machinery Charges	\$ 7.84
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	2.75	2.750	\$29.55	\$	81.26
	City Laborer Regular	2.75	2.750	\$18.97	\$	52.17
					Sub-Total Labor Cost	\$ 133.43
					Fringe Benefit Rate @ 91.84%	\$ 117.28
					Total Labor Cost	\$ 250.71
Material Costs:	Item	Amount	Price	Total		
	100 watt HPS triple coil series ballast	1	\$467.78	\$	467.78	
					Sub-Total Material Cost	\$ 467.78
					Indirect Cost Factor @ 12.21%	\$ 47.43
					Total Material Cost	\$ 515.21
					TOTAL COST	\$ 773.76
					Total Cost Per Unit	\$ 773.76
					Total Excluded Cost	\$ 523.05

Project ID: 2025-11-92
 Highway: North 60th Street TO North 84th Street
 County: Milwaukee

Item Number: **90005-95**
 Item: **INSTALL 150 WATT SINGLE COIL BALLAST**
 Quantity: 36
 Unit: EACH

Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Van [Heavy]	2.75	99.000	\$2.85	\$ 282.15
Total Machinery Charges					\$ 282.15
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic	2.75	99.000	\$29.55	\$ 2,925.45
	City Laborer Regular	2.75	99.000	\$18.97	\$ 1,878.03
Sub-Total Labor Cost					\$ 4,803.48
Fringe Benefit Rate @ 91.84%					\$ 4,222.26
Total Labor Cost					\$ 9,025.74
Material Costs:	Item	Amount	Price	Total	
	150 watt HPS single coil series ballast	36	\$174.88	\$ 6,295.68	
Sub-Total Material Cost				\$ 6,295.68	
Indirect Cost Factor @ 12.21%				\$ 638.38	
Total Material Cost				\$ 6,934.06	
TOTAL COST					\$ 16,241.95
Total Cost Per Unit					\$ 451.17
Total Excluded Cost					\$ 7,216.21

Project ID: 2025-11-92
 Highway: North 60th Street TO North 84th Street
 County: Milwaukee

Item Number: **90005-96**
 Item: **INSTALL 150 WATT DOUBLE COIL BALLAST**
 Quantity: 7
 Unit: EACH

Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Van [Heavy]	2.75	19.250	\$2.85	\$ 54.86
\$18.97					
Total Machinery Charges					\$ 54.86
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
	Electrical Mechanic	2.75	19.250	\$29.55	\$ 568.84
	City Laborer Regular	2.75	19.250		\$ 365.17
Sub-Total Labor Cost					\$ 934.01
Fringe Benefit Rate @ 91.84%					\$ 820.99
Total Labor Cost					\$ 1,755.00
Material Costs:	Item	Amount	Price	Total	
	150 watt HPS double coil series ballast	7	\$356.51	\$ 2,495.60	
Sub-Total Material Cost				\$ 2,495.60	
Indirect Cost Factor @ 12.21%				\$ 253.05	
Total Material Cost				\$ 2,748.65	
TOTAL COST					\$ 4,558.51
Total Cost Per Unit					\$ 651.22
Total Excluded Cost					\$ 2,803.51

Project ID: 2025-11-92						
Highway: North 60th Street TO North 84th Street						
County: Milwaukee						
Item Number: 90005-98						
Item: INSTALL 250 WATT DOUBLE COIL BALLAST						
Quantity: 46						
Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Van [Heavy]	2.75	126.500	\$2.85	\$ 360.53	
					Total Machinery Charges	\$ 360.53
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	2.75	126.500	\$29.55	\$ 3,738.08	
	City Laborer Regular	2.75	126.500	\$18.97	\$ 2,399.71	
					Sub-Total Labor Cost	\$ 6,137.79
					Fringe Benefit Rate @ 91.84%	\$ 5,395.12
					Total Labor Cost	\$ 11,532.91
Material Costs:	Item	Amount	Price	Total		
	250 watt HPS double coil series ballast	46	\$414.36	\$ 19,060.59		
					Sub-Total Material Cost	\$ 19,060.59
					Indirect Cost Factor @ 12.21%	\$ 1,932.74
					Total Material Cost	\$ 20,993.33
					TOTAL COST	\$ 21,353.86
					Total Cost Per Unit	\$ 464.21
					Total Excluded Cost	\$ 21,353.86

Project ID: 2025-11-92						
Highway: North 60th Street TO North 84th Street						
County: Milwaukee						
Item Number: 90005-99						
Item: SECONDARY SPLICE						
Quantity: 1						
Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Van [Heavy]	1.25	1.250	\$2.85	\$ 3.56	
					Total Machinery Charges	\$ 3.56
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	1.25	1.250	\$29.55	\$ 36.94	
	City Laborer Regular	1.25	1.250	\$18.97	\$ 23.71	
					Sub-Total Labor Cost	\$ 60.65
					Fringe Benefit Rate @ 91.84%	\$ 53.31
					Total Labor Cost	\$ 113.96
Material Costs:	Item	Amount	Price	Total		
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ 117.52
					Total Cost Per Unit	\$ 117.52
					Total Excluded Cost	\$ 3.56

Project ID: 2025-11-92 Highway: North 60th Street TO North 84th Street County: Milwaukee						
Item Number: 90005-100 Item: SPLICE 1#8 PRIMARY						
Quantity: 17 Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Van [Heavy]	1.5	25.500	\$2.85	\$ 72.68	
					Total Machinery Charges	\$ 72.68
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	1.5	25.500	\$29.55	\$ 753.53	
	City Laborer Regular	1.5	25.500	\$18.97	\$ 483.74	
					Sub-Total Labor Cost	\$ 1,237.27
					Fringe Benefit Rate @ 91.84%	\$ 1,087.56
					Total Labor Cost	\$ 2,324.83
Material Costs:	Item	Amount	Price	Total		
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ 2,397.51
					Total Cost Per Unit	\$ 141.03
					Total Excluded Cost	\$ 72.68

Project ID: 2025-11-92 Highway: North 60th Street TO North 84th Street County: Milwaukee						
Item Number: 90005-103 Item: HAND HOLE OR PEDESTAL SPLICE						
Quantity: 110 Unit: EACH						
Machinery Charges:	Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Van [Heavy]	0.75	82.500	\$2.85	\$ 235.13	
					Total Machinery Charges	\$ 235.13
Labor Costs:	Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total	
	Electrical Mechanic	0.75	82.500	\$29.55	\$ 2,437.88	
	City Laborer Regular	0.75	82.500	\$18.97	\$ 1,565.03	
					Sub-Total Labor Cost	\$ 4,002.91
					Fringe Benefit Rate @ 91.84%	\$ 3,518.56
					Total Labor Cost	\$ 7,521.47
Material Costs:	Item	Amount	Price	Total		
					Sub-Total Material Cost	\$ -
					Indirect Cost Factor @ 12.21%	\$ -
					Total Material Cost	\$ -
					TOTAL COST	\$ 7,756.60
					Total Cost Per Unit	\$ 70.51
					Total Excluded Cost	\$ 235.13

Project ID: 2025-11-92
 Highway: North 60th Street TO North 84th Street
 County: Milwaukee

Item Number: **90005-106**
 Item: **INSTALL GROUND & TEST STATION**

Quantity: 1
 Unit: EACH

Machinery Charges:		Equipment	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Van [Heavy]	4	4.000	\$2.85	\$ 11.40
		Compressors	3.5	3.500	\$1.04	\$ 3.64
Total Machinery Charges						\$ 15.04
Labor Costs:		Position	Hours Per Each Unit	Total Hours	Hourly Rate	Total
		Electrical Mechanic	4	4.000	\$29.55	\$ 118.20
		City Laborer Regular	3.5	3.500	\$18.97	\$ 66.40
Sub-Total Labor Cost						\$ 184.60
Fringe Benefit Rate @ 91.84%						\$ 162.26
Total Labor Cost						\$ 346.86
Material Costs:		Item	Amount	Price	Total	
	(Two Required)	5/8" x 8' ground rod (Old Item# 1278870)	1	\$17.03	\$ 34.06	
		Connector, split bolt, 3 conductor 1/0 to 14, AL, to CU, 600v ir	1	\$2.33	\$ 2.33	
		metal pedestal housing (4"x4"x36")	1	\$31.91	\$ 31.91	
		heavy duty, bronze, 5/8", 10Sol-1/0Str (Acorn Nut)	1	\$8.45	\$ 8.45	
	(2 ft. Required)	Wire type TW #6 stranded, black	1	\$0.54	\$ 1.07	
	(10 ft. Required)	1#8 concentric cable - primary	1	\$1.67	\$ 16.73	
Sub-Total Material Cost						\$ 94.55
Indirect Cost Factor @ 12.21%						\$ 9.59
Total Material Cost						\$ 104.14
TOTAL COST						\$ 466.04
Total Cost Per Unit						\$ 466.04
Total Excluded Cost						\$ 119.18



CORRESPONDENCE/MEMORANDUM

RECEIVED
INFRASTRUCTURE
SERVICES DIV.-ADMIN.

State of Wisconsin

PROJECT AGREEMENT ACCEPTANCE

2012 FEB 13 AM 10:30

DATE: February 3, 2012

SUBJECT: Project Agreement

Project Number: 2025-11-00/01/70/71/90/91/92/93 – Revised
Road Name: West Capitol Dr (STH 190)
Project Limits: Mayfair Rd to North 60th St
Municipality: City of Milwaukee, Milwaukee County
Funding items: CSS

MILWAUKEE CITY ENGINEER			
DESIGN	REVIEW	DATE	<input checked="" type="checkbox"/>
CONCEPT	REPLY		<input checked="" type="checkbox"/>
CONSTRUCTION			<input checked="" type="checkbox"/>
OPERATION			
MAINTENANCE			
TRAVEL			
UTILITY			
ENVIRONMENT			
LEGAL			
FINANCE			
COMMUNITY			
OTHER			

The Attached Agreement Is Recommended For approval.

PROGRAM: 303 – SHR – 3R

CONCEPTS COVERED BY THIS AGREEMENT: Design, Construction

ESTIMATED COST: \$18,783,080

PARTICIPATION: See estimated cost table

NON-PARTICIPATION: See estimated cost table

EXECUTED BY: City of Milwaukee DATE: January 23, 2012

LET DATE: March 13, 2012

DESIGN REVIEW (if STH) BY: _____ (DATE) _____

NOTES: Multiple LET dates: 70 (3/13/12), 71(12/11/12), 90 (5/25/12), 91 (11/25/12), 92 (5/25/12), 93 (12/25/12)

Approved

Justin Shell
Program Manager, DTIM-BSHP-PD&A

Feb 3, 2012
Date

Region: SE

STATE/MUNICIPAL AGREEMENT
FOR A
HIGHWAY IMPROVEMENT PROJECT
REVISES June 24, 2010 AGREEMENT

DATE: October 26, 2011
PROJECT DESIGN ID: 2025-11-00/01
PROJECT CONSTRUCTION ID: 2025-11-70/71/90/91/92/93
HIGHWAY: West Capitol Dr (STH 190) LENGTH: 2.85 miles
LIMITS: Mayfair Road (STH 100) to North 60th Street
COUNTY: Milwaukee

The signatory city, village, town or county, hereinafter called the Municipality, through its undersigned duly authorized officers or officials, hereby requests the State of Wisconsin Department of Transportation, hereinafter called the State, to initiate and effect the highway or street improvement hereinafter described.

The authority for the Municipality to enter into this agreement with the State is provided by Section 86.25(1), (2), and (3) of the Statutes.

NEEDS AND ESTIMATE SUMMARY:

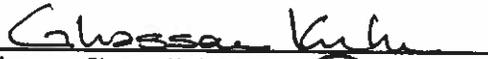
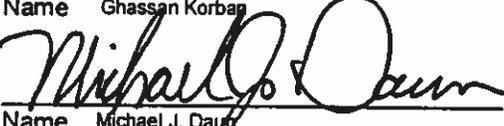
Existing Facility - Describe and give reason for request: Improvement.
Proposed improvement - Nature of work: As determined by project scoping.

Describe non-participating work included in the project and other work necessary to finish the project completely which will be undertaken independently by the municipality: A nominal amount is included to cover items in paragraph 4 (to be adjusted in the final plan).

SEE FUNDING CHART ON PAGE TWO OF THIS AGREEMENT

This request is subject to the terms and conditions that follow (pages 2-4) and is made by the undersigned under proper authority to make such request for the designated Municipality and upon acceptance by the State shall constitute agreement between the Municipality and the State.

Signed for and in behalf of the City of Milwaukee.

	Commissioner of Public Works	1/18/12
Name Ghassan Korbay	Title	Date
	Deputy Comptroller	1/23/12
Name Michael J. Daur	Title	Date

ejw

FEB - 3 2012

PHASE	ESTIMATED COST					
	Total Est. Cost	Federal/ State Funds	%	Municipal Funds	%	
Preliminary Engineering:						
Plan Development						
2025-11-00	\$ 1,128,000	\$ 846,000	75%	\$ 282,000	25%	
State Review	\$ 35,360	\$ 101,520	75%	\$ 33,840	25%	
2025-11-01	\$ 1,881,000	\$ 1,410,750	75%	\$ 470,250	25%	
State Review	\$ 225,720	\$ 169,290	75%	\$ 56,430	25%	
Real Estate Acquisition:						
Acquisition	\$ 100,000	\$ 100,000	100%	\$ -	0%	
Compensable Utilities	\$ 20,000	\$ 20,000	100%	\$ -	0%	
Construction:						
2025-11-70/90/92						
84th St - 60th St	\$ 2,475,000	\$ 2,475,000	100%	\$ -	0%	
Pavement for parking	1 \$ 3,180,000	\$ 2,944,680	92.6%	\$ 235,320	7.4%	
Traffic Control Devices	\$ 550,000	\$ 550,000	100%	\$ -	0%	
Impacted lighting	\$ 291,500	\$ 291,500	100%	\$ -	0%	
2025-11-71/91/93						
Mayfair Rd - 84th St	\$ 1,725,000	\$ 1,725,000	100%	\$ -	0%	
Pavement for parking	1 \$ 5,800,000	\$ 5,324,400	91.8%	\$ 475,600	8.2%	
Traffic Control Devices	\$ 245,500	\$ 245,500	100%	\$ -	0%	
Impacted lighting	\$ 350,000	\$ 350,000	100%	\$ -	0%	
CSS	2 \$ 600,000	\$ 600,000	MAX	\$ -	BAL	
New Sidewalk	\$ 51,000	\$ 40,800	80%	\$ 10,200	20%	
Non-Participating	\$ 25,000	\$ -	0%	\$ 25,000	100%	
Total Cost Distribution	\$ 18,783,080	\$ 17,194,440		\$ 1,588,640		

- 1 Participation for parking is an estimate, the actual percent will be calculated when final plans are complete. Changes to the parking percentage noted in the above chart, require a letter of request from the Municipality. Upon acceptance of the percent changes, the State will send a concurrence letter
- 2 Community Sensitive Solutions (CSS) - maximum State/Federal funds \$600,000, any amount that exceeds the maximum is to be funded with 100% Municipal funds

TERMS AND CONDITIONS:

1. The initiation and accomplishment of the improvement will be subject to the applicable Federal and State regulations.
2. The Municipality will pay to the State all costs incurred by the State in connection with the improvement which exceeds Federal/State financing commitments or are ineligible for Federal/State financing. The Municipality's concurrence is required before award of the contract for the improvement when the contracts exceed 5% of the estimate. The Municipality must also concur with contract modifications to contracts awarded by the State over \$25,000.00, unless the authorized representative of the State determines that a prompt change order is needed to preserve the work in progress, prevent extraordinary damage avoid unreasonable & costly delay, or other extraordinary condition of necessity, safety or emergency exists. The authorized representative of the State shall provide notice of the prompt change order to the Municipality or its authorized representative as soon as practicable thereafter and the Municipality shall pay its share of the prompt change order cost.

3. Funding of each project phase (preliminary engineering, real estate, construction, and other) is subject to inclusion in an approved program. Federal aid and/or State transportation fund financing will be limited to participation in the costs of the following items as specified in the estimate summary:
 - (a) The grading, base, pavement, and curb and gutter.
 - (b) Catch basins and inlets for surface water drainage of the improvement, with connections to the storm sewer main.
 - (c) Construction engineering incident to inspection and supervision of actual construction work.
 - (d) Signing and pavement marking, including detour routes.
 - (e) Storm sewer mains necessary for the surface water drainage.
 - (f) Construction of new sidewalks and driveways, replacement of sidewalks and private driveways resulting from roadway construction.
 - (g) New installations or alteration resulting from roadway construction of standard State street lighting and traffic signals or devices.
 - (h) Real Estate for the improvement.
 - (i) Preliminary engineering and state review services.
4. Work necessary to complete the improvement to be financed entirely by the Municipality or other utility or facility owner includes the following items:
 - (a) New installations of or alteration of sanitary sewers and connections, water, gas, electric, telephone, telegraph, fire or police alarm facilities, parking meters, and similar utilities.
 - (b) Damages to abutting property due to change in street or sidewalk widths, grades or drainage.
 - (c) Conditioning, if required and maintenance of detour routes.
 - (d) Repair of damages to roads or streets caused by reason of their use in hauling materials incident to the improvement.
 - (e) Bridge width in excess of standards.
5. As the work progresses, the Municipality will be billed for work completed which is not chargeable to Federal/State funds. Upon completion of the project, a final audit will be made to determine the final division of costs.
6. If the Municipality should withdraw the project, it shall reimburse the State for any costs incurred by the State in behalf of the project.
7. The work will be administered by the State and may include items not eligible for Federal/State participation.
8. The Municipality shall at its own cost and expense:
 - (a) Maintain all portions of the project that lie within its jurisdiction for such maintenance through statutory requirements, in a manner satisfactory to the State and shall make ample provision for such maintenance each year.
 - (b) Maintenance of sidewalks and landscaping features along the project.

- (c) Maintenance of lighting systems, to include energy.
- (d) Maintenance of all features outside the travel lanes when additional pavement width is added at the request of the Municipality, with the exception of turn lanes.
- (e) Prohibit angle parking.
- (f) Regulate or prohibit all parking at locations where and when the pavement area usually occupied by parked vehicles will be needed to carry active traffic in the street.
- (g) Assume general responsibility for all public information and public relations for the project and to make fitting announcement to the press and such outlets as would generally alert the affected property owners and the community of the nature, extent, and timing of the project and arrangements for handling traffic within an around the projects.
- (h) Provide complete plans, specifications, relocation order, real estate plat, estimates, appraisals, and acquiring the parcels.
- (i) Use the WisDOT Utility Accommodation Policy unless it adopts a policy, which has equal or more restrictive controls.

9. Basis for local participation:

Funding for preliminary engineering – for connecting highways is 25% Municipal

Funding for real estate required for standard roadway construction, 100% State.

Funding for compensable utilities required for standard roadway construction, 100% State.

Funding for construction of standard roadway items – 100% State

Funding for parking lanes – 100% Municipal and is calculated as a percentage of parking area compared to the total area of pavement. Parking percentage applies only to pavement items.

Funding for CSS (Community Sensitive Solutions) – 100% State, maximum amount \$600,000. Costs about this maximum are 100% Municipal. The funding is to be used for enhancement features along the project limits. CSS funds have been inflated to 2013 dollars.

Funding for lighting impacted by construction, 100% State.

Funding for traffic Control Devices – 100% State.

Funding for non-participating items 100% Municipality.

City of Milwaukee

Office of the City Clerk

200 E. Wells Street

Milwaukee, Wisconsin 53202

Certified Copy of Resolution

FILE NO: I10985

Title:

Resolution directing the Commissioner of Public Works to execute a revised project agreement titled "State/Municipal Agreement" for a Highway improvement Project with the Wisconsin Department of Transportation for the reconstruction of West Capitol Drive from North 60th Street to Mayfair Road with State/Federal Aid, the total cost of the project is \$18,783,080 of which the City's share is \$1,588,640 and the grantor's share is \$17,194,440.

Body:

Whereas, The Common Council of the City of Milwaukee adopted resolution file numbers 041289, 061548 and 100328 on February 11, 2005, April 25, 2007 and August 30, 2010, respectively, directing the Commissioner of Public Works to execute a State/Municipal Agreement with Wisconsin Department of Transportation (WisDOT) for the programming and construction of West Capitol Drive from North 60th Street to West Mayfair Road; and

Whereas, The Department of Public Works (DPW) requested and the WisDOT agreed to break the roadway project into two phases. Phase I going from North 60th Street to North 84th Street scheduled for construction in 2012 and Phase II from North 84th Street to West Mayfair Road scheduled for construction in 2013; and

Whereas, WisDOT has now provided separate State Review costs for each design phase of the project; and

Whereas, The DPW requested and the WisDOT agreed to participate in the work associated with city street lighting affected by the construction at 100 percent State cost as part of the Capitol Drive project; and

Whereas, The Department of Public Works requested and the WisDOT agreed to participate in the work associated with communication conduit transporting traffic signal cabling as part of the Capitol Drive, project costs to be included with participating construction costs; now, therefore, be it

Resolved, By the Common Council of the City of Milwaukee, that the Commissioner of Public Works is hereby authorized to execute the revised project agreement for the preliminary engineering of West Capitol Drive from North 60th Street to West Mayfair Road with State/Federal Aid under the WisDOT State Trunk Highway Program, a copy of which is attached to Common Council File 110985 and is incorporated by reference as though set forth in full; and, be it

Further Resolved, That the Commissioner of Public Works is hereby authorized to enter into an agreement with the WisDOT pertaining to the cost participation for the installation and/or modification of street lighting facilities in conjunction with the improvements of the aforementioned projects; and, be it

Further Resolved, That the Commissioner of Public Works is hereby authorized to install the street lighting facilities necessary in conjunction with the aforementioned project, following the execution of the street lighting agreements, the cost of which will be included in future resolutions; and, be it

Further Resolved, That the City Comptroller is hereby authorized to create within the Capital Improvement Fund, Grant and Aid Projects, the necessary Project/Grant Chartfield Values for the projects (Expenditures) and transfer to any of these accounts the amount required under the grant agreement and City Accounting Policy but not to exceed a 10 percent increase of the total amounts reserved for the grantor's share and local share or \$5,000, whichever is greater, as follows:

Infrastructure Services Division:

State I.D. 2025-11-00

West Capitol Drive (STH 190)

North 84th Street to North 60th Street

Grantor Non-Reimbursable Paving
(\$141,000)

Infrastructure Services Division

State I.D. 2025-11-00

West Capitol Drive (STH 190)

North 84th Street to North 60th Street

City of Milwaukee Non-Assessable Paving
ST320110000
Fund 0333
\$33,840

Grantor Reimbursable Cash Paving
SP032110100
Fund 0306
\$141,000

Grantor Non-Reimbursable Paving
\$101,520

Construction is scheduled for 2012

Previously authorized for preliminary engineering: \$987,000

Current estimated cost of total project including this resolution: \$18,783,080
Original estimated cost of the total project (Resolution #041289): \$19,065,000 □ Infrastructure
Services Division
State I.D. 2025-11-01
West Capitol Drive (STH 190)
Mayfair Road to North 84th Street

Grantor Non-Reimbursable Paving
(\$235,125)

Infrastructure Services Division
State I.D. 2025-11-01
West Capitol Drive (STH 190)
Mayfair Road to North 84th Street

City of Milwaukee Non-Assessable Paving
ST320110000
Fund 0333
\$56,430

Grantor Reimbursable Cash Paving
SP032110100
Fund 0306
\$235,125

Grantor Non-Reimbursable Paving
\$169,290

Construction is scheduled for 2013.

Previously authorized for preliminary engineering: \$987,000
Current estimated cost of total project including this resolution: \$18,783,080
Original estimated cost of the total project (Resolution #041289): \$19,065,000

;and, be it

Further Resolved, That the City Engineer is hereby authorized and directed to approve and make periodic payments to the WisDOT upon receipt of invoices for the City of Milwaukee's share of costs on the projects.



I, Ronald D. Leonhardt, City Clerk, do hereby certify that the foregoing is a true and correct copy of a(n) Resolution Passed by the COMMON COUNCIL of the City of Milwaukee, Wisconsin on December 20, 2011.

Ronald D Leonhardt

Ronald D. Leonhardt

January 09, 2012

Date Certified

AGREEMENT FOR CONSTRUCTION

Local Force Account

Wisconsin Department of Transportation
DT2056 5/2011

Project ID 2025-11-92	Agreement Amount \$256,572.15	Agreement between WisDOT and Local Governmental Unit – Also must be doing the work <input checked="" type="checkbox"/> Municipality <input checked="" type="checkbox"/> City of Milwaukee <input type="checkbox"/> Village of <input type="checkbox"/> Town of
Federal Project ID WISC		
Road Name W. Capitol Dr. - N. 60 th St. to N. 84 th St.		<input type="checkbox"/> County of
Highway STH 190	County – Where Work Performed Milwaukee	
<input type="checkbox"/> Work on STH System - SHR Funded (CEF to BHO, Agreement to BHO)		<input type="checkbox"/> Work on Local Units System (CEF to DTSD Region, Agreement to BPD)
<input checked="" type="checkbox"/> Work on STH System – Non-SHR Funded (CEF to BHO, Agreement to BHO)		
Type of Work Street Lighting		
Approximate Start Work Date August 1, 2012	Approximate Stop Work Date July 31, 2013	

This agreement is made and entered into by and between the Wisconsin Department of Transportation, designated the "Department", and the above-identified county or municipality, designated the "Local Governmental Unit", represented by its designees for constructing the above-specified project. The Department finds and determines that it is more feasible and advantageous for highway purposes to construct the identified project with the Local Governmental Unit's organization, forces, and equipment. The Department and Local Governmental Unit mutually agree to the provisions on the attached pages, which are made a part of this agreement.

RECOMMENDED FOR APPROVAL

For County or Municipality

For Wisconsin Department of Transportation

(Name) (Date)

(Regional Director) (Date)

(Title)

(Regional Director) (Date)

(Name) (Date)

(Title)

Approved for the State of Wisconsin

(Name) (Date)

(Contract Specialist) (Date)

(Title)

(Contract Specialist) (Date)

(Name) (Date)

(Director of Project Development) (Date)

(Title)

(Governor of Wisconsin) (Date)

The Local Governmental Unit agrees to construct the described project in accordance with the requirements of the Department, the approved plans when required for such project, in accordance with the Standard Specifications for Road and Bridge Construction and approved supplements as may be applicable, and in accordance with the special provisions made a part of this agreement. The word "contractor" as used in the specifications and special provisions shall, when applicable, be deemed to mean the Local Governmental Unit.

The provisions of Subsection 108.11 of the Standard Specifications, Liquidated Damages, are deleted from this agreement.

The Local Governmental Unit is authorized by the Department and agrees to provide for the purchase, delivery, and storing of all materials required except those excluded from this agreement, the furnishing or necessary rental of all equipment and small tools, and the furnishing of all labor necessary to expeditiously complete the work, and to pay all costs incurred pursuant to this agreement.

The Department agrees to reimburse the Local Governmental Unit for actual costs of equipment, labor and materials incurred in performing the work up to the agreement amount or as amended by agreement change orders.

The Department agrees to pay to the Local Governmental Unit and the Local Governmental Unit agrees to accept in full, settlement for the work performed under this agreement:

1. The actual cost of labor, at rates currently paid by the Local Governmental Unit for similar work in the area, materials and incidental expense furnished or incurred by the Local Governmental Unit pursuant to this agreement, such payment to be based on a Detailed Statement of Expenditures, submitted monthly with the Monthly Report of Expenditures, or the Final Report of Expenditures upon completion of all work included in the agreement and verified by the Local Governmental Unit and by the Department.
2. The recognized costs incident to the employment of labor under this agreement (such as worker's compensation insurance, unemployment and retirement contributions and time off with pay) computed and requisitioned in accordance with established policy.

3. An allowance for the use of equipment, tools and incidentals for the work under this agreement. Such allowance shall be in accordance with the provisions of, and at the rates either:
 - (a) Specified in the Cost Agreement between the Department and the Local Governmental Unit in effect when the work is performed, except for the conditions, changes or additions as listed below, or as may be otherwise provided in the Special Provisions of this agreement; or,
 - (b) Specified in the attached Equipment Rate schedule, or as may be otherwise provided in the special provisions of this agreement.

These payments shall be based on a Detailed Statement of Expenditures, submitted monthly with the Monthly Report of Expenditures, or the Final Report of Expenditures upon completion of all work included in the agreement and verified by the Local Governmental Unit and by the Department.

The rates established apply on equipment in good working order. Allowance will be made only for the time during which the equipment is in actual use on the project; no allowance will be made for equipment wholly inadequate or inefficient or in excess of the requirements of the work.

In connection with the performance of work under this agreement, the contractor agrees not to discriminate against any employee or applicant for employment because of age, race, religion, color, handicap, sex, physical condition, developmental disability as defined in s.51.01(5) Wis. Stats., sexual orientation, or national origin. This provision shall include, but not be limited to, the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor further agrees to take affirmative action to ensure equal employment opportunities. The contractor agrees to post in conspicuous places, available for employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of the nondiscrimination clause.

The Local Governmental Unit agrees to furnish, on the Detailed Statement of Expenditures, an accurate distribution of the costs between the various items of work.

The estimated unit costs of materials being used on this agreement are listed as attached.

I GENERAL

1. These contract provisions shall apply to all work performed as part of a LFA contract by the LPA.
2. A breach of any of the stipulations contained in these Required Contract Provisions shall be sufficient grounds for termination of the contract.
3. **Selection of Labor:** During the performance of this contract, the LPA shall not employ convict labor for any purpose within the limits of the project unless it is labor performed by convicts who are on parole, supervised release, or probation.

II NONDISCRIMINATION ASSURANCE

As required by 49 U.S.C. 5332 (which prohibits discrimination on the basis of race, color, creed, national origin, sex, or age, and prohibits discrimination in employment or business opportunity), Title VI of the Civil Rights Act of 1964, as amended, 42 U.S.C. 2000d, and U.S. DOT regulations, "Nondiscrimination in Federally-Assisted Programs of the DOT--Effectuation of Title VI of the Civil Rights Act," 49 CFR part 21 at 21.7, the Applicant assures that it will comply with all requirements of 49 CFR part 21; FHWA policies, and other applicable directives, so that no person in the United States, on the basis of race, color, national origin, creed, sex, or age will be excluded from participation in, be denied the benefits of, or otherwise be subjected to discrimination in any program or activity (particularly in the level and quality of transportation services and transportation-related benefits) for which the Applicant receives Federal assistance awarded by the U.S. DOT or FHWA as follows: (1) The Applicant assures that each project will be conducted, property acquisitions will be undertaken, and project facilities will be operated in accordance with all applicable requirements of 49 U.S.C. 5332 and 49 CFR part 21, and understands that this assurance extends to its entire facility and to facilities operated in connection with the project. (2) The Applicant assures that it will take appropriate action to ensure that any transferee receiving property financed with Federal assistance derived from FHWA will comply with the applicable requirements of 49 U.S.C. 5332 and 49 CFR part 21. (3) The Applicant assures that it will promptly take the necessary actions to effectuate this assurance, including notifying the public that complaints of discrimination in the provision of transportation-related services or benefits may be **FILED** with U.S. DOT or FHWA. Upon request by U.S. DOT or FHWA, the Applicant assures that it will submit the required information pertaining to its compliance with these requirements. (4) The Applicant assures that it will make any changes in its 49 U.S.C. 5332 and Title VI implementing procedures as U.S. DOT or FHWA may request. (5) As required by 49 CFR 21.7(a)(2), the Applicant will include in each third party contract or sub agreement provisions to invoke the requirements of 49 U.S.C. 5332 and 49 CFR part 21, and include provisions to invoke those requirements in deeds and instruments recording the transfer of real property, structures, improvements.

III ASSURANCE OF NONDISCRIMINATION ON THE BASIS OF DISABILITY

As required by U.S. DOT regulations, "Nondiscrimination on the Basis of Handicap in Programs and Activities Receiving or Benefiting from Federal Financial Assistance," at 49 CFR part 27, implementing the Rehabilitation Act of 1973, as amended, and the Americans with Disabilities Act of 1990, as amended, the Applicant assures that, as a condition to the approval or extension of any Federal assistance awarded by FHWA to construct any facility, obtain any rolling stock or other equipment, undertake studies, conduct research, or to participate in or obtain any benefit from any program administered by FHWA, no otherwise qualified person with a disability shall be, solely by reason of that disability, excluded from participation in, denied the benefits of, or otherwise subjected to discrimination in any program or activity receiving or benefiting from Federal assistance administered by the FHWA or any entity within U.S. DOT. The Applicant assures that project implementation and operations so assisted will comply with all applicable requirements of U.S. DOT regulations implementing the Rehabilitation Act of 1973, as amended, 29 U.S.C. 794, and the ADA of 1990, as amended, 42 U.S.C. 12101 et seq. at 49 CFR parts 27, 37, and 38, and any applicable regulations and directives issued by other Federal departments or agencies.

IV SAFETY: ACCIDENT PREVENTION

1. In the performance of this contract the LPA shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR 635). The LPA shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the SHA contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract.
2. It is a condition of this contract that the LPA shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and health standards (29 CFR 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 333).
3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 333).

V FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, LPA's, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, the following notice shall be posted on each Federal-aid highway project (23 CFR 635) in one or more places where it is readily available to all persons concerned with the project:

NOTICE TO ALL PERSONNEL ENGAGED ON FEDERAL-AID HIGHWAY PROJECTS

18 U.S.C. 1020 reads as follows:

"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 1, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined not more than \$10,000 or imprisoned not more than 5 years or both."

VI BUY AMERICA

All steel and iron materials permanently incorporated in this project shall be domestic products and all manufacturing and coating processes for these materials must have occurred within the United States. Coating includes epoxy coating, galvanizing, painting and any other coating that protects or enhances the value of a material subject to the requirements of Buy America. The exemption of this requirement is the minimal use of foreign materials if the total cost of such material permanently incorporated in the product does not exceed one-tenth of one percent (1/10 of 1%) of the total contract cost or \$2,500.00, whichever is greater. For purposes of this paragraph, the cost is that shown to be the value of the subject products as they are delivered to the project.

VII PROHIBITION AGAINST CONVICT PRODUCED MATERIALS (23 CFR 635.417)

No materials produced by convict labor (unless produced by convicts who are on parole, supervised release, or probation from a prison) may be incorporated into any project located on the Federal-aid highway system. This prohibition does not apply to projects on roads that are functionally classified as local or rural minor collectors.

VIII PURCHASE OF MATERIALS

LPA's are required to use fair and open competition in obtaining articles and materials used in this project. They may not use any requirements, preferences, or procurement methods that exclude out-of-State participation or that unfairly favor in-State sources.

IX REQUIREMENT FOR AND ACCESS TO RECORDS

LPA's must maintain, for at least three years following final payment, complete project records. This includes the thorough documentation of the basis for payment (actual costs of labor, equipment and materials) as well as documentation prescribed in the WisDOT CMM. In addition LPA's shall make all such records fully available to WisDOT, the Federal Highway Administration, the U.S. Comptroller General, and their authorized representatives. Records must also be available for public access consistent with the FOIA and State and local law.



Legislation Details (With Text)

File #: 111435 **Version:** 0

Type: Resolution **Status:** In Committee

File created: 2/28/2012 **In control:** PUBLIC WORKS COMMITTEE

On agenda: **Final action:**

Effective date:

Title: Resolution authorizing the Commissioner of Public Works to execute an agreement with the Wisconsin Department of Transportation for the installation of a new traffic control signal on the connecting highway system on North Port Washington Avenue at the eastbound ramps on West Capitol Drive (STH 190).

Sponsors: THE CHAIR

Indexes: AGREEMENTS, TRAFFIC CONTROL SIGNALS, WISCONSIN DEPARTMENT OF TRANSPORTATION

Attachments: Traffic Control Signal Request, Hearing Notice List

Date	Ver.	Action By	Action	Result	Tally
2/28/2012	0	COMMON COUNCIL	ASSIGNED TO		
3/2/2012	0	PUBLIC WORKS COMMITTEE	HEARING NOTICES SENT		

Number
111435

Version
ORIGINAL

Sponsor
THE CHAIR

Title
Resolution authorizing the Commissioner of Public Works to execute an agreement with the Wisconsin Department of Transportation for the installation of a new traffic control signal on the connecting highway system on North Port Washington Avenue at the eastbound ramps on West Capitol Drive (STH 190).

Analysis
Resolution authorizing the Commissioner of Public Works to execute an agreement with the Wisconsin Department of Transportation (WISDOT) for the installation of a new traffic control signal on the connecting highway system on North Port Washington Avenue at the eastbound ramps on West Capitol Drive (STH 190).

Body
Whereas, Section 86.32(1), Wisconsin Statutes enables the State to designate certain marked routes of the state highway system over the streets or highways in any municipality for which the municipality will be responsible for maintenance and traffic control; and

Whereas, The ramps from West Capitol Drive (STH 190) to North Port Washington Avenue are included in the connecting highway system; and

Whereas, The installation of a new traffic control signal on North Port Washington Avenue at the eastbound ramps on West Capitol Drive (STH 190) in conjunction with the improvements to (State ID 2570-04-90) North Port Washington Avenue was approved and funding was authorized by the Common Council under File Number 110916; and

Whereas, Section 86.32(1), Wisconsin Statutes requires written approval from WISDOT for new traffic control devices installed on the connecting highway system; now, therefore, be it

Resolved, By the Common Council of the City of Milwaukee that the Commissioner of Public Works is authorized to enter into an agreement with the Wisconsin Department of Transportation for the installation of a new traffic control signal on North Port Washington Avenue at the eastbound ramps on West Capitol Drive (STH 190).

Requestor
Department of Public Works
Drafter
Infrastructure Services Division
RWB:slm
February 6, 2012
Title
Pt Wash and Capitol WISDOT Agmt

TRAFFIC CONTROL SIGNAL APPROVAL REQUEST

Wisconsin Department of Transportation

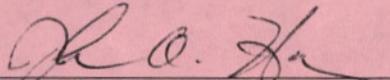
DT1199 5/2006 s.86.32(1) Wis. Stats.

Municipality City of Milwaukee	County Milwaukee
State Trunk Highway STH 190 (EB Ramp)	Intersecting Road Port Washington Ave

Check if connecting highway - Requires authorized municipal and departmental approval below
Approval of installation on the connecting highway system is required under s.86.32(1) Wis. Stats.

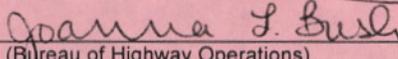
The Region requests approval of a traffic control signal at the location indicated above. Traffic volumes, crash experience and physical conditions at the described intersection have been reviewed. A traffic control signal is justified.

Approval Recommended



(Regional Traffic Engineer) 10-24-11
(Date)

Approval Granted



(Bureau of Highway Operations) 11/15/11
(Date)

TRAFFIC CONTROL SIGNAL INSTALLATION, OPERATION, AND MAINTENANCE AGREEMENT

The municipality identified above agrees to install, operate and maintain a traffic control signal at the specified intersection for the purpose of controlling the flow of traffic.

The following conditions precedent to approval of the signal are acknowledged and accepted by the municipality:

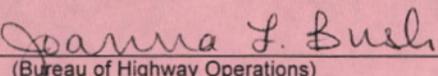
1. The design, installation and operation of the signal will comply with the Wisconsin Manual on Uniform Traffic Control Devices.
2. The cost of maintenance and operation of the signal will be the responsibility of the municipality or in any case will not be an obligation of the Wisconsin Department of Transportation.
3. Parking will be restricted by the municipality at locations on the identified intersecting streets in accordance with the need to provide adequate capacity and normal flow of traffic. Specific restrictions, if needed, are as follows:
4. The municipality, with the approval or at the request of the Department of Transportation, and at the municipality's expense, shall make such adjustments in the equipment and manner of operation of these signals as are deemed necessary for public safety and facilitation of traffic movement.

Yes No Further provisions are stated on the back of this document.
 Yes No Attachments

Agreed on behalf of the Municipality

Agreed on behalf of the Department

(Signature of Authorized Representative for Municipality) (Date)



(Bureau of Highway Operations) 11/15/11
(Date)



Legislation Details (With Text)

File #: 111478 **Version:** 0

Type: Resolution **Status:** In Committee

File created: 2/28/2012 **In control:** PUBLIC WORKS COMMITTEE

On agenda: **Final action:**

Effective date:

Title: Resolution authorizing the Commissioner of Public Works and Comptroller to execute a Project Agreement with the Wisconsin Department of Transportation for the installation of monotube mast arm mounted traffic signals at ten intersections and to fund preliminary engineering for the project in the 2nd, 5th, and 9th Aldermanic Districts at an estimated cost of \$225,000, with an estimated grantor share of \$202,500, and an estimated City share of \$22,500.

Sponsors: THE CHAIR

Indexes: AGREEMENTS, TRAFFIC CONTROL SIGNALS, WISCONSIN DEPARTMENT OF TRANSPORTATION

Attachments: Comptroller's Certificate, Agreement, Hearing Notice List

Date	Ver.	Action By	Action	Result	Tally
2/28/2012	0	COMMON COUNCIL	ASSIGNED TO		
3/2/2012	0	PUBLIC WORKS COMMITTEE	HEARING NOTICES SENT		

Number
111478
Version
ORIGINAL
Reference

Sponsor
THE CHAIR
Title

Resolution authorizing the Commissioner of Public Works and Comptroller to execute a Project Agreement with the Wisconsin Department of Transportation for the installation of monotube mast arm mounted traffic signals at ten intersections and to fund preliminary engineering for the project in the 2nd, 5th, and 9th Aldermanic Districts at an estimated cost of \$225,000, with an estimated grantor share of \$202,500, and an estimated City share of \$22,500.

Analysis

This resolution authorizes the Commissioner of Public Works and Comptroller to execute a Project Agreement with the Wisconsin Department of Transportation for the installation of monotube mast arm mounted traffic signals at ten intersections and to fund preliminary engineering for the project in the 2nd, 5th, and 9th Aldermanic Districts with a total estimated cost of \$1,214,000, with an estimated grantor share of \$1,092,600, and an estimated City share of \$121,400. The total estimated preliminary engineering cost for the project is \$225,000, with a grantor share of \$202,500 and a City share of \$22,500. Approval of construction costs will be in a future resolution.

Body

Whereas, Section 4.12 of the 2009 Manual on Uniform Traffic Control Devices recommends the installation of monotube mounted traffic signal faces over each through lane on higher vehicle speed approaches to traffic

signals; and

Whereas, The intersections of West Bradley Road and North 91st Street, West Bradley Road and North 107th Street, West Calumet Road and North 91st Street, West Flagg Avenue and North 91st Street, West Fond du Lac Avenue and North 91st Street, West Fond du Lac Avenue and West Silver Spring Drive, West Good Hope Road and North 107th Street, West Heather Avenue and North 91st Street, West Mill Road and North 91st Street, and West Park Place and North 107th Street have been identified for the installation of monotube mast arm mounted traffic signals on approaches that have higher vehicle speeds; and

Whereas, Preliminary approval has been requested and received from the Wisconsin Department of Transportation, along with a Project Agreement to be executed by the City of Milwaukee, for the programming and construction of the project under the 2013 Highway Safety Improvement Program; and

Whereas, The Wisconsin Department of Transportation has submitted a Project Agreement for execution by the City of Milwaukee for the design and construction of:

Project I.D. 2984-08-05, 2984-08-75, and 2984-08-95
Install Monotube Mast Arms City of Milwaukee, 10 Local Intersections
Milwaukee County; and

Whereas, The State cannot proceed with any project cost overruns and changes in scope of more than 5% without prior Department of Public Works approval; and

Whereas, The Department of Public Works shall notify the Common Council of the City of Milwaukee at the next scheduled meeting of any such project cost overruns and changes in scope approved by the Department of Public Works; and

Whereas, The Common Council of the City of Milwaukee recognizes that the City may be 100% liable for any such project cost overruns and changes in scope as approved by the Department of Public Works; and

Whereas, The Common Council of the City of Milwaukee recognizes that the City may be liable for any costs incurred by the State should the City decide to withdraw from the project; now, therefore, be it

Resolved, By the Common Council of the City of Milwaukee, that the Commissioner of Public Works and the Comptroller are authorized to execute a Project Agreement for the programming, design, and construction of aforementioned project with Highway Safety Improvement Program funds, copies of which are attached to and incorporated in this resolution by reference as though set forth in full; and, be it

Further Resolved, That the proper City of Milwaukee official is hereby directed to undertake preliminary engineering for the above-mentioned project and to reimburse the Wisconsin Department of Transportation for preliminary engineering costs they incur for the improvements; and, be it

Further Resolved, That Department of Public Works shall request in a future resolution funding for the construction phases of the project; and, be it

Further Resolved, That the City Comptroller is hereby authorized to create within the Capital Improvement Fund, Grant and Aid Projects, the necessary Project Chartfield Values for preliminary engineering for this project; and transfer to these accounts the amount required under this grant agreement and City Accounting policy, but not to exceed a 10 percent increase of the total amounts reserved for the grantor's share and local

share or \$5,000, whichever is greater as follows:

Project I.D. 2984-08-05
Install Monotube Mast Arms City of Milwaukee, 10 Local Intersections
Milwaukee County

Preliminary Engineering

City of Milwaukee Share
Fund Number-0333
Project Number-ST320120000
\$22,500

Grantor Reimbursable Cash
Fund Number-0306
Project Number-SP032120100
\$202,500

Total Cost of Preliminary Engineering-\$225,000

Previously Authorized for Preliminary Engineering-\$0
Current Estimated Cost of the Total Project Including this Resolution-\$1,214,000
Original Estimated Cost of the Total Project-\$1,214,000

Requestor
Department of Public works
Drafter
Infrastructure Services Division
RWB:Mk
February 22, 2012

EXHIBIT VI A

**Capital Grant Resolution Certification from the
Comptroller's Office**

The Comptroller's Office has reviewed Common Council Resolution File No. _____ for the Commissioner of Public Works to execute a Project Agreement for the installation of monotube mast arm mounted traffic signals at ten intersections and to fund the preliminary engineering for this project (City Share \$22,500.00; Grantor Share \$202,500.00) and approved the resolution as to:

- Sufficiency of funds
- Funding sources (per estimated **grant funding agreement**)
- Sufficiency of reporting for purposes of internal auditing

The following deficiencies were noted:

The resolution should be corrected and returned to the
Comptroller's Office for review.

Signature: *C Wisniewski*

Date: 2-22-12

2984-08-05 Install Monotube Mast Arms at 10 Local Intersections (City Share \$22,500.00; Grantor Share \$202,500)

CMPT:\CG_Res_Cert (01/17/07)

**STATE/MUNICIPAL AGREEMENT
FOR A
HIGHWAY IMPROVEMENT PROJECT**

Date: February 8, 2012
 ID: 2984-08-05/75/95
 Description: Install Monotube Mast Arms
 City of Milwaukee
 Limits: 10 Local Intersections
 County: Milwaukee

The signatory city, village, town or county, hereinafter called the Municipality, through its undersigned duly authorized officers or officials, hereby requests the State of Wisconsin Department of Transportation, hereinafter called the State, to initiate and effect the highway or street improvement hereinafter described.

The authority for the Municipality to enter into this agreement with the State is provided by Section 86.25(1), (2) and (3) of the Statutes.

NEEDS AND ESTIMATE SUMMARY:

Existing Facility - Describe and give reason for request:

Ten Signalized intersections meet the MUTCD for monotube mast arms based on approach speeds. These intersections also have high crash & crash with injury rates.

Proposed Improvement - Nature of work:

Install monotubes, with oversized street name signs, and 12" indicators at 10 intersections (see page 4 for list).

The apportionment of costs for work necessary to finish the project (including non-participating work and work which will be undertaken by the Municipality) is as follows:

Estimated Cost					
	Total Estimated Cost	Federal Funds*	%	Municipal Funds	%
Design (-00)	\$225,000	\$202,500	90%	\$22,500	10%
Construction (-70)	\$670,000	\$603,000	90%	\$67,000	10%
Signs, signals & lighting (-90)	\$319,000	\$287,100	90%	\$31,900	10%
Total Cost Distribution	\$1,214,000	\$1,092,600		\$121,400	

** The total federal participation for this project for Design shall be limited to \$202,500, Construction shall be limited to \$603,000, and Signs, Signals & Lighting shall be limited to \$287,100. Costs in excess of this amount shall be the responsibility of the municipality.*

This request is subject to the terms and conditions that follow (pages 2 - 4) and is made by the undersigned under proper authority to make such request for the designated Municipality and upon acceptance by the State shall constitute agreement between the Municipality and the State.

Signed for and on behalf of City of Milwaukee:	
Signature	Title
Name (Written Clearly)	Date
Signed for and on behalf of City of Milwaukee:	
Signature	Title
Name (Written Clearly)	Date

-Terms and Conditions Begin on the Next Page-

TERMS AND CONDITIONS

1. The initiation and accomplishment of the improvement will be subject to the applicable Federal and State regulations.
2. The Municipality will pay to the State all costs incurred by the State in connection with the improvement which exceeds Federal/State financing commitments or are ineligible for Federal/State financing. The Municipality's concurrence is required before award of the contract for the improvement when the contracts exceed 5% of the estimate. The Municipality must also concur with contract modifications to contracts awarded by the State over \$25,000.00, unless the authorized representative of the State determines that a prompt change order is needed to preserve the work in progress, prevent extraordinary damage avoid unreasonable & costly delay, or other extraordinary condition of necessity, safety or emergency exists. The authorized representative of the State shall provide notice of the prompt change order to the Municipality or its authorized representative as soon as practicable thereafter and the Municipality shall pay its share of the prompt change order cost.
3. Funding of each project phase (preliminary engineering, real estate, construction, and other) is subject to inclusion in an approved program. Federal aid and/or State transportation fund financing will be limited to participation in the costs of the following items as specified in the estimate summary:
 - a. Preliminary engineering and State review services.
 - b. The grading, base, pavement, and curb and gutter.
 - c. Catch basins and inlets for surface water drainage of the improvement, with connections to the storm sewer main.
 - d. Construction engineering incidental to inspection and supervision of actual construction work.
 - e. Signing and pavement marking, including detour routes.
 - f. Storm sewer mains necessary for the surface water drainage.
 - g. Construction or replacement of sidewalks and surfacing of private driveways.
 - h. New installations or alteration of street lighting and traffic signals or devices.
 - i. Real Estate for the improvement, if required
4. Work necessary to complete the improvement to be financed entirely by the Municipality or other utility or facility owner or other responsible party (not including the State) includes the following items:
 - a. New installations of or alteration of sanitary sewers and connections, water, gas, electric, telephone, telegraph, fire or police alarm facilities, parking meters, and similar utilities.
 - b. Damages to abutting property due to change in street or sidewalk widths, grades or drainage.
 - c. Conditioning, if required, and maintenance of detour routes.

- d. Repair of damages to roads or streets caused by reason of their use in hauling materials incidental to the improvement.
 - e. Bridge width in excess of standards.
5. As the work progresses, the Municipality will be billed for work completed which is not chargeable to Federal/State funds. Upon completion of the project, a final audit will be made to determine the final division of costs.
 6. If the Municipality should withdraw from the project, it will reimburse the State for any costs incurred by the State on behalf of the project.
 7. The work will be administered by the State and may include items not eligible for Federal/State participation.
 8. The Municipality will at its own cost and expense:
 - a. Maintain all portions of the project that lie within its jurisdiction for such maintenance through statutory requirements, in a manner satisfactory to the State and will make ample provision for such maintenance each year.
 - b. Prohibit angle parking.
 - c. Regulate or prohibit all parking at locations where and when the pavement area usually occupied by parked vehicles will be needed to carry active traffic in the street.
 - d. Regulate and prohibit parking at all times in the vicinity of the proposed improvements during their construction.
 - e. Assume general responsibility for all public information and public relations for the project and to make fitting announcements to the press and such outlets as would generally alert the affected property owners and the community of the nature, extent, and timing of the project and arrangements for handling traffic within and around the project.
 - f. Provide complete plans, specifications, relocation order, real estate plat, and estimates, *except as provided in Paragraph 3 above.*
 - g. Use the WisDOT Utility Accommodation Policy unless it adopts a policy which has equal or more restrictive controls.
 9. Basis for local participation: 90% Federal; balance by Municipality, as specified in highway Safety Improvement Program—(H.S.I.P.) Safety regulations. **Federal Participation shall be limited to \$202,500 for Design, \$603,000 for Construction, and \$287,100 for Signs, Signals, & Lighting for this project. Costs in excess of this amount shall be the responsibility of the municipality.**

List of Ten Intersections for this project as follows:

Street 1	Street 2	ADT	2008-'10 Crashes	2008-'10 Injuries	Crashes/ MEV	Intersection Cost
Bradley	91st	30,600	17	14	0.55	\$ 118,000
Bradley	107th	30,500	11	4	0.36	\$ 116,000
Calumet	91st	23,300	5	3	0.21	\$ 74,000
Flagg	91st	23,100	9	3	0.39	\$ 72,000
Fond du Lac	91st	20,700	17	14	0.82	\$ 115,000
Fond du Lac	Silver Spring	25,400	16	8	0.63	\$ 106,000
Good Hope	107th	56,900	38	20	0.66	\$ 110,000
Heather	91st	18,200	4	4	0.22	\$ 69,000
Mill	91st	35,900	33	19	0.91	\$ 112,000
Park	107th	26,100	21	17	0.80	\$ 68,000
	TOTALS	290,700	171	106	0.59	\$ 960,000

(End of Document)



Legislation Details (With Text)

File #: 111462 **Version:** 0

Type: Resolution **Status:** In Committee

File created: 2/28/2012 **In control:** PUBLIC WORKS COMMITTEE

On agenda: **Final action:**

Effective date:

Title: Resolution directing the Commissioner of Public Works to execute a Revised Project Agreement titled "State/Municipal Agreement for a State - Let Urbanized Area STP - Urban Project" with the Wisconsin Department of Transportation for the improvement of West Lloyd Street between North 60th Street and West Lisbon Avenue at a revised estimated total cost of \$3,652,000 at an 80 percent State and Federal Aid under the Surface Transportation Program with a City's share of \$826,400 which includes \$120,000 of non participating items at 100 percent City's cost and grantor's share of \$2,825,600 of which revised preliminary engineering cost is \$207,000 with the city's share being \$41,400 and the grantor's share being \$165,600.

Sponsors: THE CHAIR

Indexes: AGREEMENTS, STREET IMPROVEMENTS, WISCONSIN DEPARTMENT OF TRANSPORTATION

Attachments: Revised Agreement, Comptroller's Certificate, Hearing Notice List

Date	Ver.	Action By	Action	Result	Tally
2/28/2012	0	COMMON COUNCIL	ASSIGNED TO		
3/2/2012	0	PUBLIC WORKS COMMITTEE	HEARING NOTICES SENT		

Number
111462
Version
ORIGINAL
Reference
100021
Sponsor
THE CHAIR
Title

Resolution directing the Commissioner of Public Works to execute a Revised Project Agreement titled "State/Municipal Agreement for a State - Let Urbanized Area STP - Urban Project" with the Wisconsin Department of Transportation for the improvement of West Lloyd Street between North 60th Street and West Lisbon Avenue at a revised estimated total cost of \$3,652,000 at an 80 percent State and Federal Aid under the Surface Transportation Program with a City's share of \$826,400 which includes \$120,000 of non participating items at 100 percent City's cost and grantor's share of \$2,825,600 of which revised preliminary engineering cost is \$207,000 with the city's share being \$41,400 and the grantor's share being \$165,600.

Analysis

The resolution authorizes the Commissioner of Public Works to execute a Revised Project Agreement with the Wisconsin Department of Transportation (WisDOT) for the reconstruction of West Lloyd Street between North 60th Street and West Lisbon Avenue and to fund the revised engineering cost estimate with a City of Milwaukee share of \$ \$41,400 and a grantor share of \$165,600. The Revised Project Agreement provides for 20 percent local funds and 80 percent Federal and State funds for engineering and construction costs of the project. The total estimated additional project cost is \$ 1,617,000 of which the City of Milwaukee's share is \$419,400, and

the grantor share is \$1,197,600. The resolution authorizes the Commissioner of Public Works to request the comptroller to transfer additional funds for preliminary engineering. Construction funds for the project will be requested in a future Common Council resolution.

Body

Whereas, A Project Agreement has been executed by the Wisconsin Department of Transportation (WisDOT) and the City of Milwaukee for the improvement of West Lloyd Street between North 60th Street and North 47th Street with Federal/State aid under the STP program in accordance with Common Council Resolution File Number 100021, adopted May 25, 2010; and

Whereas, The limits of this project have been extended to include West Lloyd Street between North 47th Street and West Lisbon Avenue; and

Whereas, The City has requested and the WisDOT has agreed to and provided a Revised Project Agreement to include the additional limits of West Lloyd Street; and

Whereas, The project is currently scheduled for construction in 2013; now, therefore, be it

Resolved, By the Common Council of the City of Milwaukee that the Commissioner of Public Works is hereby directed to execute a Revised Project Agreement with the WisDOT to include the added cost of work to extend the project limits of West Lloyd Street between North 47th Street and West Lisbon Avenue with 80 percent Federal and State Aid, a copy of which is attached to Common Council Resolution File Number 111462, and is incorporated in this resolution by reference as though set forth in full; and, be it

Further Resolved, That the City Comptroller is hereby authorized to create within the Capital Improvement Fund, Grant and Aid Projects, the necessary Project/Grant Chartfield Values for the added segment of the project (Expenditure) and transfer the amount required under the grant agreement, limited to the federal caps, and the City Accounting Policy but not to exceed a 10 percent increase of the total amount reserved for the grantor's share and local share or \$5,000, whichever is greater, as follows:

Infrastructure Services Division

State I.D. 2984-16-01

ST320100701

West Lloyd Street

North 60th Street to West Lisbon Avenue

City Share Non-Assessable Fund Paving

Project I.D. ST320120000

Fund 0333

\$41,400

Grantor Reimbursable Fund Paving

Project I.D. SP032120100

Fund 0306

\$145,160

Grantor Non-Reimbursable Cash Fund Paving

\$20,440

Estimated total (additional) engineering: \$207,000

Previously authorized for Preliminary Engineering: \$330,000
Current estimated cost of total project including this resolution: \$3,652,000
Original estimated cost of total project: \$2,035,000

; and, be it

Further Resolved, That the City Engineer is hereby authorized and directed to approve and make periodic payments to the WisDOT upon receipt of invoices for the City's share of costs of the project.

Requestor

Department of Public works

Drafter

Infrastructure Services Division

SWM:amh

February 15, 2012

Reso STP Urbn Pjec W Lloyd St - N 60 to W Lisbon.rtf



1st REVISION STATE/MUNICIPAL AGREEMENT FOR A STATE- LET URBANIZED AREA STP-URBAN PROJECT

This agreement supersedes the agreement signed by the Municipality on June 10, 2010 and June 15, 2010 and signed by DOT on June 23, 2010.

Program Name: STP-Urban

Population Group: Over 200,000

Sub-program #: 206

Revised Date: January 24, 2012

Date: April 5, 2010

I.D.: 2984-16-01/71/91

Road Name: West Lloyd Street

Limits: N 60th St to W Lisbon Ave

County: Milwaukee

Roadway Length: 1.1 miles

Functional Classification: Collector, Minor Arterial, Principal Arterial

Project Sponsor: City of Milwaukee

Urbanized Area: Milwaukee

The signatory, City of Milwaukee, hereinafter called the Municipality, through its undersigned duly authorized officers or officials, hereby requests the State of Wisconsin Department of Transportation, hereinafter called the State, to initiate and effect the highway or street improvement hereinafter described.

The authority for the Municipality to enter into this agreement with the State is provided by Sections 86.25(1), (2), and (3) and Section 66.0301 of the Statutes.

NEEDS AND ESTIMATE SUMMARY:

All components of the project must be defined in the environmental document if any portion of the project is federally funded. The Municipality agrees to complete all participating and any non-participating work included in this improvement consistent with the environmental document. No work on final engineering and design may occur prior to approval of the environmental document.

Existing Facility - Describe and give reason for request: The existing roadway is two lanes between N 60th Street and N 47th Street and 4 lanes between N 47th Street and W Lisbon Ave. Lanes are 12 feet wide with curb and gutter. Between 47th Street and Lisbon Ave eastbound and westbound traffic are split by a median. The current pavement is a combination of 3 inch asphalt over 8-9 inches of concrete. This pavement was last surfaced in 1977 which now shows signs of irregularities with deteriorated joints and base, settlements, cracks, and patches. No known safety issues exist.

Proposed Improvement - Nature of work: **Reconstruction.** The reconstruction of 1.1 miles of West Lloyd Street will create no additional lanes. There will be minimal grading work, replacement of curb and gutter, replacement of the sidewalk, bicycle and pedestrian accommodations, and ADA compliant curb ramps with detectable field warnings will be used consistent with Trans 75. Lateral storm sewer lines will be replaced. LFA work will consist of upgrades to signals and signs.

Describe non-participating work included in the project and other work necessary to completely finish the project that will be undertaken independently by the Municipality. Please note that non-participating components of a project/contract are considered part of the overall project and will be subject to applicable Federal requirements: adjustment of sanitary sewer manholes, placing new sanitary sewer manhole covers, installing internal sanitary manhole seals, and installing underground street lighting conduit.

The Municipality agrees to the following 2011-2014 Urbanized Area STP-Urban project funding conditions:

Project design, construction, and signals and signing costs are funded with 80% federal funding up to a maximum of \$2,825,600 for all federally-funded project phases when the municipality agrees to provide the remaining 20% and all funds in excess of the \$2,825,600 federal funding maximum, in accordance with the STP Urban program guidelines for projects in urbanized areas. Non-participating costs are 100% the responsibility of the municipality. Any work performed by the Municipality prior to federal authorization is not eligible for federal funding. The Municipality will be notified by the State that the project is authorized and available for charging.

This project is currently scheduled in State Fiscal Year 2013. **In accordance with the State's sunset policy for Urbanized Area STP Urban projects, the subject 2011-2014 Urbanized Area STP-Urban improvement must be constructed and in final acceptance within six years from the start of State Fiscal Year 2012, or by June 30, 2017.** Extensions may be available upon approval of a written request by or on behalf of the Municipality to WisDOT. The written request shall explain the reasons for project implementation delay and revised timeline for project completion.

The dollar amounts shown in the Summary Funding Table below are federal maximum amounts unless explicitly identified otherwise. The final Municipal share is dependent on the final Federal participation, and actual costs will be used in the final division of cost for billing and reimbursement.

PHASE	SUMMARY OF COSTS				
	Total Est. Cost	Federal Funds	%	Municipal Funds	%
ID 2984-16-01					
Design	\$456,450	\$365,160	80%*	\$91,290	20% + BAL
State Review	\$80,550	\$64,440	80%*	\$16,110	20% + BAL
ID 2984-16-71					
Participating Construction	\$2,528,800	\$2,023,040	80%*	\$505,760	20% + BAL
Non-Participating Construction	\$120,000	\$0	0%	\$120,000	100%
State Review	\$361,200	\$288,960	80%*	\$72,240	20% + BAL
ID 2984-16-91					
Signals and Signs	\$89,250	\$71,400	80%*	\$17,850	20% + BAL
State Review	\$15,750	\$12,600	80%	\$3,150	20% + BAL
Total Est. Cost Distribution	\$3,652,000	\$2,825,600	N/A	\$826,400	N/A

*The percentage of project costs covered by federal funding at approval, 80%, is based on TIP Committee Action. Due to the federal funding cap, which is \$2,825,600 for all federally funded project phases, this percentage may change over the life of the project.

** If project costs exceed this estimate, this project agreement may be revised and additional City of Milwaukee STP-M entitlements may be used provided a positive 2011-2014 allocation balance is maintained.

This request is subject to the terms and conditions that follow (pages 3 – 7) and is made by the undersigned under proper authority to make such request for the designated Municipality and upon signature by the State and delivery to the Municipality shall constitute agreement between the Municipality and the State. No term or provision of neither the State/Municipal Agreement nor any of its attachments may be changed, waived or terminated orally but only by an instrument in writing executed by both parties to the State/Municipal Agreement.

Signed for and in behalf of: **City of Milwaukee** (please sign in blue ink.)

X _____
Name Title Date

X _____
Name Title Date

Signed for and in behalf of the State:

X _____
Name Title Date

GENERAL TERMS AND CONDITIONS:

1. All projects must be in an approved Transportation Improvement Program (TIP) or State Transportation Improvement Program (STIP) prior to requesting authorization.
2. Work prior to federal authorization is ineligible for federal funding.
3. The Municipality, throughout the entire project, commits to comply with and promote all applicable federal and state laws and regulations that include, but are not limited to, the following:
 - a. Environmental requirements, including but not limited to those set forth in the 23 U.S.C. 139 and National Environmental Policy Act (42 U.S.C. 4321 et seq.)
 - b. Equal protection guaranteed under the U.S. Constitution, WI Constitution, Title VI of the Civil Rights Act and Wis. Stat. 16.765. The municipality agrees to comply with and promote applicable Federal and State laws, Executive Orders, regulations, and implementing requirements intended to provide for the fair and equitable treatment of individuals and the fair and equitable delivery of services to the public. In addition the Municipality agrees not to engage in any illegal discrimination in violation of applicable Federal or State laws and regulations. This includes but is not limited to Title VI of the Civil Rights Act of 1964 which provides that “no person in the United States shall, on the ground of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance.” The Municipality agrees that public funds, which are collected in a nondiscriminatory manner, should not be used in ways that subsidize, promote, or perpetuate illegal discrimination based on prohibited factors such as race, color, national origin, sex, age, physical or mental disability, sexual orientation, or retaliation.
 - c. Prevailing wage requirements, including but not limited to 23 U.S.C 113 and Wis. Stat. 103.50.
 - d. Buy America Provision and its equivalent state statutes, set forth in 23 U.S.C. 313 and Wis. Stat. 16.754.
 - e. Competitive bidding requirements set forth in 23 U.S.C 112 and Wis. Stat. 84.06.
 - f. All DBE requirements that the State specifies.
 - g. Federal Statutes that govern the Surface Transportation Program, including but not limited to 23 U.S.C. 133.
 - h. General requirements for administering federal and state aid set forth in Wis. Stat. 84.03.

STATE RESPONSIBILITIES AND REQUIREMENTS:

4. Funding of each project phase is subject to inclusion in Wisconsin’s approved 2011-2014 Urbanized Area STP-Urban program. Federal funding will be limited to participation in the costs of the following items, as applicable to the project:
 - a. The grading, base, pavement, and curb and gutter, sidewalk, and replacement of disturbed driveways in kind.
 - b. The substructure, superstructure, grading, base, pavement, and other related bridge and approach items.
 - c. Storm sewer mains necessary for the surface water drainage.
 - d. Catch basins and inlets for surface water drainage of the improvement, with connections to the storm sewer main.
 - e. Construction engineering incident to inspection and supervision of actual construction work (except for inspection, staking, and testing of sanitary sewer and water main).

- f. Signing and pavement marking.
 - g. New installations or alteration of street lighting and traffic signals or devices.
 - h. Landscaping.
 - i. Preliminary Engineering and design.
 - j. Management Consultant and State Review Services.
5. The work will be administered by the State and may include items not eligible for Federal participation.
 6. As the work progresses, the State will bill the Municipality for work completed which is not chargeable to Federal funds. Upon completion of the project, a final audit will be made to determine the final division of costs. If reviews or audits show any of the work to be ineligible for Federal funding, the Municipality will be responsible for any withdrawn costs associated with the ineligible work.

MUNICIPAL RESPONSIBILITIES AND REQUIREMENTS:

7. Work necessary to complete the 2011-2014 Urbanized Area STP-Urban improvement project to be financed entirely by the Municipality or other utility or facility owner includes the items listed below.
 - a. New installations of or alteration of sanitary sewers and connections, water, gas, electric, telephone, telegraph, fire or police alarm facilities, parking meters, and similar utilities.
 - b. Damages to abutting property after project completion due to change in street or sidewalk widths, grades or drainage.
 - c. Detour routes and haul roads. The municipality is responsible for determining the detour route.
 - d. Conditioning, if required and maintenance of detour routes.
 - e. Repair of damages to roads or streets caused by reason of their use in hauling materials incident to the improvement.
 - f. All work related to underground storage tanks and contaminated soils.
 - g. Street and bridge width in excess of standards, in accordance with the current WisDOT Facilities Development Manual (FDM).
 - h. Other 100% Municipally funded items: Installation of underground street lighting conduit
 - i. Real estate for the improvement.
8. The construction of the subject improvement will be in accordance with the appropriate standards unless an exception to standards is granted by WisDOT prior to construction. The entire cost of the construction project, not constructed to standards, will be the responsibility of the Municipality unless such exception is granted.
9. Work to be performed by the Municipality without Federal funding participation necessary to ensure a complete improvement acceptable to the Federal Highway Administration and/or the State may be done in a manner at the election of the Municipality but must be coordinated with all other work undertaken during construction.
10. The Municipality is responsible for financing administrative expenses related to Municipal project responsibilities.

11. The Municipality will include in all contracts executed by them a provision obligating the contractor not to discriminate against any employee or applicant for employment because of age, race, religion, color, handicap, sex, physical condition, developmental disability as defined in s. 51.01 (5), sexual orientation as defined in s. 111.32 (13m), or national origin.
12. The Municipality will pay to the State all costs incurred by the State in connection with the improvement that exceed Federal financing commitments or are ineligible for Federal financing. In order to guarantee the Municipality's foregoing agreements to pay the State, the Municipality, through its above duly authorized officers or officials, agrees and authorizes the State to set off and withhold the required reimbursement amount as determined by the State from any moneys otherwise due and payable by the State to the Municipality.
13. **In accordance with the State's sunset policy for Urbanized Area STP-Urban projects, the subject 2011-2014 Urbanized Area STP-Urban improvement must be constructed and in final acceptance within six years from the start of State Fiscal Year 2012, or by June 30, 2017.** Extensions may be available upon approval of a written request by or on behalf of the Municipality to WisDOT. The written request shall explain the reasons for project implementation delay and revised timeline for project completion.
14. If the Municipality should withdraw the project, it will reimburse the State for any costs incurred by the State on behalf of the project.
15. The Municipality will at its own cost and expense:
 - a. Maintain all portions of the project that lie within its jurisdiction (to include, but not limited to, cleaning storm sewers, removing debris from sumps or inlets, and regular maintenance of the catch basins, curb and gutter, sidewalks and parking lanes [including snow and ice removal]) for such maintenance through statutory requirements in a manner satisfactory to the State, and will make ample provision for such maintenance each year.
 - b. Regulate [or prohibit] parking at all times in the vicinity of the proposed improvements during their construction.
 - c. Regulate [or prohibit] all parking at locations where and when the pavement area usually occupied by parked vehicles will be needed to carry active traffic in the street.
 - d. Assume general responsibility for all public information and public relations for the project and to make fitting announcement to the press and such outlets as would generally alert the affected property owners and the community of the nature, extent, and timing of the project and arrangements for handling traffic within and around the projects.
 - e. Provide relocation orders and real estate plats.
 - f. Use the *WisDOT Utility Accommodation Policy* unless it adopts a policy, which has equal or more restrictive controls.
 - g. Provide maintenance and energy for lighting.
 - h. Provide proper care and maintenance of all landscaping elements of the project including replacement of any plant materials damaged by disease, drought, vandalism or other cause.
16. It is further agreed by the Municipality that:
 - a. The Municipality assumes full responsibility for the design, installation, testing and operation of any sanitary sewer and water main infrastructure within the improvement project and relieves the state and all of its employees from liability for all suits, actions, or claims resulting from the sanitary sewer and water main construction under this agreement.
 - b. The Municipality assumes full responsibility for the plans and special provisions provided by their designer or anyone hired, contracted or otherwise engaged by the Municipality. The Municipality is

responsible for any expense or cost resulting from any error or omission in such plans or special provisions. The Municipality will reimburse WisDOT if WisDOT incurs any cost or expense in order to correct or otherwise remedy such error or omission or consequences of such error or omission.

- c. The Municipality will be 100% responsible for all costs associated with utility issues involving the Contractor, including costs related to utility delays.
- d. All signs and traffic control devices and other protective structures erected on or in connection with the project including such of these as are installed at the sole cost and expense of the Municipality or by others, will be in conformity with such "Manual of Uniform Traffic Control Devices" as may be adopted by the American Association of State Highway and Transportation Officials, approved by the State, and concurred in by the Federal Highway Administration.
- e. The right-of-way available or provided for the project will be held and maintained inviolate for public highway or street purposes. Those signs prohibited under Federal aid highway regulations, posters, billboards, roadside stands, or other private installations prohibited by Federal or State highway regulations will not be permitted within the right-of-way limits of the project. The municipality, within its jurisdictional limits, will remove or cause to be removed from the right-of-way of the project all private installations of whatever nature which may be or cause an obstruction or interfere with the free flow of traffic, or which may be or cause a hazard to traffic, or which impair the usefulness of the project and all other encroachments which may be required to be removed by the State at its own election or at the request of the Federal Highway Administration, and that no such installations will be permitted to be erected or maintained in the future.

LEGAL RELATIONSHIPS:

- 17. The State shall not be liable to the Municipality for damages or delays resulting from work by third parties. The State also shall be exempt from liability to the Municipality for damages or delays resulting from injunctions or other restraining orders obtained by third parties.
- 18. The State will not be liable to any third party for injuries or damages resulting from work under or for the Project. The Municipality and the Municipality's surety shall indemnify and save harmless the State, its officers and employees, from all suits, actions or claims of any character brought because of any injuries or damages received or sustained by any person, persons or property on account of the operations of the Municipality and its sureties; or on account of or in consequence of any neglect in safeguarding the work; or because of any act or omission, neglect or misconduct of the Municipality or its sureties; or because of any claims or amounts recovered for any infringement by the Municipality and its sureties of patent, trademark or copyright; or from any claims or amounts arising or recovered under the Worker's Compensation Act, relating to the employees of the Municipality and its sureties; or any other law, ordinance, order or decree relating to the Municipality's operations.
- 19. Contract Modification: This State/Municipal Agreement can only modified by written instruments duly executed by both parties. No term or provision of neither this State/Municipal Agreement nor any of its attachments may be changed, waived or terminated orally.
- 20. Binding Effects: All terms of this State/Municipal Agreement shall be binding upon and inure to the benefits of the legal representatives, successors and executors. No rights under this State/Municipal Agreement may be transferred to a third party. This State/Municipal Agreement creates no third- party enforcement rights.
- 21. Choice of Law and Forum: This State/Municipal Agreement shall be interpreted and enforced in accordance with the laws of the State of Wisconsin. The Parties hereby expressly agree that the terms contained herein and in any deed executed pursuant to this State/Municipal Agreement are enforceable by an action in the Circuit Court of Dane County, Wisconsin.

PROJECT FUNDING CONDITIONS

- 22. The Municipality agrees to the following 2011-2014 Urbanized Area STP-Urban project funding conditions:
 - a. ID 2984-16-01: Design is funded with 80% federal funding, when the municipality agrees to provide the remaining 20%. This portion of the project is subject to the cumulative project federal funding cap (see

sub-item d). This phase includes Plan Development, Management Consultant Review, and State Review. The work includes project review, approval of required reports and documents and processing the final PS&E document for award of the contract. Costs for this phase include an estimated amount for state review activities, to be funded 80% with federal funding and 20% by the Municipality.

b. ID 2984-16-71: Construction:

- i. Costs for West Lloyd Street reconstruction: are funded with 80% federal funding when the municipality agrees to provide the remaining 20%. This portion of the project is subject to the cumulative project federal funding cap (see sub-item d).
- ii. Non-participating Costs for adjustment of sanitary sewer manholes, placing new sanitary sewer manhole covers, installing internal sanitary manhole seals, and installing underground street lighting conduit are funded 100% by the Municipality. Costs include construction delivery.
- iii. Costs for this phase include an estimated amount for state review activities, to be funded 80% with federal funding and 20% by the Municipality. This portion of the project is subject to the cumulative project federal funding cap (see sub-item d).

c. ID 2984-16-91: Signals and Signing:

- i. Costs for West Lloyd Street signals and signing are funded with 80% federal funding when the municipality agrees to provide the remaining 20%. This portion of the project is subject to the cumulative project federal funding cap (see sub-item d).
- ii. Costs for this phase include an estimated amount for state review activities, to be funded 80% with federal funding and 20% by the Municipality. This portion of the project is subject to the cumulative project federal funding cap (see sub-item d).

d. Project Cap: In accordance with STP-Urban program guidelines for projects in urbanized areas, State action and TIP Committee action, this project has a federal funding cap of **\$2,825,600**. This federal funding cap applies to all federally funded project phases.

e. If project costs exceed this estimate, this project agreement may be revised and additional City of Milwaukee STP-M entitlements may be used provided a positive 2011-2014 allocation balance is maintained.

[End of Document]

**Capital Grant Resolution Certification from the
Comptroller's Office**

The Comptroller's Office has reviewed Common Council Resolution File No. 111462 for the execution of the revised State/Municipal Agreement of West Lloyd Street from North 60th Street to West Lisbon Avenue and the funding of the additional preliminary engineering costs (City Share \$41,400; Grantor Reimbursable Share \$145,160; Grantor Non-Reimbursable Share \$20,440) and approved the resolution as to:

- Sufficiency of funds
- Funding sources (per estimated **grant funding agreement**)
- Sufficiency of reporting for purposes of internal auditing

The following deficiencies were noted:

The resolution should be corrected and returned to the Comptroller's Office for review.

Signature: *C. Wisinski*

Date: 2-17-12

2984-16-01 W. Lloyd St/N 60th St - W Lisbon Ave (City Share \$41,400; Grantor Reimbursable Share \$145,160; Grantor Non-Reimbursable Share \$20,440)



Legislation Details (With Text)

File #: 111499 **Version:** 0

Type: Resolution **Status:** In Committee

File created: 2/28/2012 **In control:** PUBLIC WORKS COMMITTEE

On agenda: **Final action:**

Effective date:

Title: Resolution authorizing City officials to enter into an Out-of-Program Agreement with Gorman and Company for the installation of a public alley, storm sewer, and sanitary sewer.

Sponsors: ALD. WADE

Indexes: AGREEMENTS, ALLEY IMPROVEMENTS, SANITARY SEWERS, STORM SEWERS

Attachments: Agreement, Exhibit A Site Plan, Hearing Notice List

Date	Ver.	Action By	Action	Result	Tally
2/28/2012	0	COMMON COUNCIL	ASSIGNED TO		
3/2/2012	0	PUBLIC WORKS COMMITTEE	HEARING NOTICES SENT		

NUMBER
111499
VERSION
Original

REFERENCE

SPONSOR
Alderman Wade

TITLE
Resolution authorizing City officials to enter into an Out-of-Program Agreement with Gorman and Company for the installation of a public alley, storm sewer, and sanitary sewer.

ANALYSIS
This resolution authorizes City officials to execute an Out-of-Program Agreement on behalf of the City of Milwaukee between Gorman and Company (Developer) and the City of Milwaukee. This agreement pertains to the installation of a public alley, storm sewer, and sanitary sewer to serve the site at the former Jackie Robinson Middle School.

BODY
Whereas, The Developer is the owner of the property bounded by West Fond du Lac Avenue, West Concordia Avenue, and North 37th Street (the "Property"). This Property is shown in by Exhibit "A"; and

Whereas, The Developer has requested an agreement that provides for installation of a public alley, storm sewer, and sanitary sewer to serve the Property; and

Whereas, The public improvements for the Property could be installed under the terms of an out-of-program agreement upon condition that title to such facilities shall vest in the City of Milwaukee subject to conditions more fully hereinafter stated; and

Whereas, The Developer has requested that the construction of the alley and storm sewer be completed by the Developer and that the sanitary sewer be constructed under a City-let contract, now, therefore, be it

Resolved, By the Common Council of the City of Milwaukee that the Out-of-Program Agreement attached to this file is

hereby approved and the proper City officers are hereby authorized to execute said agreement on behalf of the City; and, be it

Further Resolved, That the Commissioner of Public Works is authorized to accept funds from the Developer as outlined in the Out-of-Program Agreement for the purpose of design and construction of the sanitary sewer, reviewing design engineering plans, and for the purpose of inspecting construction of the public improvements; and, be it

Further Resolved, That the Commissioner is authorized to make minor changes to the Out-of-Program Agreement prior to execution.

Drafter
DPW-ADM
MDL:mra
February 27, 2012
Gorman and Company OPA Res

THIS AGREEMENT, By and between Gorman & Company, hereinafter known as "Developer", and the City of Milwaukee, a municipal corporation, hereinafter known as "City";

WITNESSETH:

IN CONSIDERATION of the sum of One Dollar (\$1.00) to each party in hand paid by the other, receipt whereof is hereby acknowledged, and in further consideration of the covenants and agreements hereinafter contained.

WHEREAS, The Developer is the owner of the site bounded by West Fond du Lac Avenue, West Concordia Avenue and North 37th Street. This site is more particularly described by Exhibit "A"; and

WHEREAS, The Developer has requested an agreement that provides for installation of public improvements to serve a residential subdivision planned for the site, said subdivision to be known as Sherman Park Commons; and

WHEREAS, The planned subdivision will consist of eleven developable lots and the redevelopment of the former Jackie Robinson Middle School, for elderly housing; and

WHEREAS, The public improvements for this subdivision could be installed under the terms of an out-of-program agreement upon condition that title to such facilities shall vest in the City of Milwaukee subject to conditions more fully hereinafter stated.

NOW, THEREFORE, In consideration of these premises and the mutual benefits herein accruing and for other good and valuable considerations,

IT IS AGREED, By and between the parties hereto that:

1. Funding Obligation

Developer agrees to provide all funds necessary for design and construction of the public improvements, laterals to the property line, easement preparation as may be required, construction inspections and any related City work necessitated by the project.

2. Developer to Design Public Alley and Storm Sewer

The Developer shall let and administer a design contract for the alley and storm sewer infrastructure required to serve the subdivision. Plans shall be prepared to City specifications and approval by the Commissioner of all such plans shall be required prior to commencement of any improvement work. All City costs associated with review of plans prepared by others shall be the Developer's responsibility.

3. City to Design Public Sanitary Sewer

The City shall undertake the design of the public sanitary sewer in West Concordia Avenue between North 37th Street and North 38th Street using funds provided by the Developer.

4. Construction

Upon mutual concurrence of Developer and the Commissioner of Public Works, Developer may let and administer construction contracts for the alley and storm sewer improvements covered by this Agreement. The City shall perform its normal inspections

during the course of this construction. In addition, Developer agrees to make a good faith effort to comply with and administer on behalf of the City, all applicable City rules and requirements pertaining to Emerging Business Enterprise and local resident involvement in the construction contracts.

Developer shall not authorize any changes in improvement plans without the prior approval of the Commissioner of Public Works. All payments to contractors must be pre-approved by the Commissioner.

The City shall administer the construction contract for the sanitary sewer in West Concordia Avenue using funds provided by the Developer.

5. Subdivision

Developer agrees to submit a final subdivision map for the site and to develop the site in accord with the subdivision map as approved.

6. Storm Sewer Improvements

Storm sewer will be installed in the alley and in an easement within the subdivision. Per paragraph 2, plans for storm sewer shall be prepared by the Developer. The estimated cost for the City's review of these plans is \$2,000. The estimated cost to inspect the storm sewer improvements is \$2,000. Per paragraph 4, the Developer will let the construction contract for the storm sewer installation.

Review and approval of the sewer plans by the Milwaukee Metropolitan Sewerage District is required.

7. Alley Improvements

A 20-foot wide public alley shall be constructed within the subdivision. Per paragraph 2 above, plans for alley improvements shall be prepared by the Developer. The estimated cost for the City's review of the paving plans is \$2,000. The estimated cost to inspect the alley improvements is \$15,000. Per paragraph 4, the Developer will let the construction contract for the alley installation.

8. Sanitary Sewer Improvements

New sanitary sewer will be installed in West Concordia Avenue between North 37th Street and North 38th Street. Per paragraphs 3 and 4, the design and construction of the sanitary sewer will be undertaken by the City. The estimated costs for sanitary sewer are as follows:

Design	\$6,000
Construction	\$142,000 (incl. sanitary and water laterals)
Inspection	\$6,000

Review and approval of the sewer plans by the Milwaukee Metropolitan Sewerage District is required.

9. Utility Laterals

Sanitary sewer and water laterals will be installed from the main to the property line for each lot under the City's sanitary sewer contract. The cost of laterals is included in the preceding sanitary sewer estimate. The sanitary and water laterals between the property line and the future residential buildings along West Concordia Avenue must be installed by the Developer under a separate permit.

10. Street Trees

Additional street trees will be installed on the south side of West Concordia Avenue between North 37th Street and North 38th Street. The estimated cost to install one street tree per lot is \$3,850.

11. Storm Water Management Plan

A Storm Water Management Plan for the project has been submitted for review and has been approved by the City Engineer. Any storm water management improvements required in conjunction with the subdivision shall be constructed by Developer.

12. Other Improvements

Developer agrees that any utility and access improvements necessary to serve the site in addition to those listed above shall be its responsibility and shall be undertaken by Developer at its sole expense. Developer further agrees that the City shall review and approve plans for any work to occur in the public right-of-way. Permits necessary for any such work shall be obtained by Developer or other responsible parties.

13. Easements

Developer agrees to provide, where necessary and at no cost to the City, all easements and other property rights required to construct, operate and maintain the public improvements described herein. It shall be the Developer's responsibility to obtain any permits and/or easements or other property rights necessary for the operation and maintenance of the storm water management system and outlets, as approved.

14. Private Utilities

Developer agrees that all private utility lines necessary to provide telephone, communications, electrical, and gas services to the development shall be installed underground, except where the City Plan Commission finds that such underground installations are not feasible.

15. Design Engineering Deposit

Developer shall deposit a total \$10,000 with the City to cover the estimated cost of preparing the sanitary sewer plans and reviewing the alley and storm sewer plans prepared by Developer's consultant. Design work must reflect, and be consistent with, the final subdivision map as well as the approved Storm Water Management Plan and associated grading plan.

16. Funding for Construction

The Developer shall deposit a total of \$142,000 with the City of Milwaukee to cover the cost for the sanitary sewer construction contract. In addition, the Developer shall deposit \$23,000 for construction engineering (field inspection, contract management, materials inspection, etc.) for all the public improvements covered by this agreement (alley, storm sewer and sanitary sewer). The Developer shall also deposit \$3,850 for new street trees along West Concordia Avenue. These funds must be deposited with the City prior to the City advertising for the sanitary sewer and prior to the Developer letting contracts for the alley and the storm sewer.

Upon completion of the public improvements and all associated City work, City shall return any unspent portions of the Developer's cash deposits to the Developer.

17. Inspections

Both parties agree that all materials furnished and all work performed hereunder shall conform to all regulations and specifications of the City of Milwaukee and its Commissioner of Public Works and shall be subject to inspection by the Department of Public Works. All engineering and inspection costs incidental to the installation of the public improvements covered by this Agreement shall be subject to the terms of this Agreement, the cost of such service when furnished by City being established as the wages of the person or persons engaged in such work plus all costs of overhead.

18. Ownership of Public Improvements

It is understood and agreed by both parties hereto that upon completion of the public improvements, title to all public facilities installed under the terms of this Agreement shall vest in the City of Milwaukee and that the City will accept the obligation of operation and maintenance in accordance with the standard practice.

19. Building Permits

It is understood and agreed by both parties hereto that building permits for any homes to be constructed in the subdivision shall not be issued until (1) the required Storm Water Management Plan has been approved, (2) the Developer has provided the City with design review funds, a funding guarantee, and a deposit for

City Force Work, (3) all required approvals for any sewer improvements have been granted by the appropriate agencies, (4) the subdivision for the project has been approved and recorded, and (5) all easements required to construct and maintain underground improvements have been provided to the City.

20. Occupancy Permits

It is understood and agreed by both parties hereto that occupancy permits for any structure in the subdivision shall not be issued until all planned public improvements have been sufficiently completed so essential public utility services and traffic access are provided to the structure.

21. City Ordinances and Regulations

City warrants that all work shall be undertaken in accord with City standard and customary public works contracting procedures unless such work is to be undertaken by City Forces or by Developer per paragraph 3. It is further understood and agreed that this Agreement is subject to all City ordinances and regulations and nothing herein shall be deemed to waive or supersede such requirements.

THIS AGREEMENT, drafted by the City of Milwaukee, shall be binding upon the Developer, its lessees, successors and assigns, and upon the City, its successors and assigns.

DEVELOPER

IN WITNESS WHEREOF, the Developer has caused this document to be signed and sealed this ____ day of _____, 2012.

Developer

In Presence Of:

STATE OF WISCONSIN)
) SS.
MILWAUKEE COUNTY)

Personally came before me this ____ day of _____, 2012,
who executed the foregoing instrument, and acknowledged that they executed the
same.

Notary Public, State of Wisconsin

My Commission expires: _____

IN WITNESS WHEREOF, the proper City Officers have caused this document to be signed and the City's seal to be affixed this _____ day of _____, 2012.

CITY OF MILWAUKEE

In Presence Of:

Tom Barrett, Mayor

City Clerk

COUNTERSIGNED

Comptroller

STATE OF WISCONSIN)
) SS.
MILWAUKEE COUNTY)

Personally came before me this _____ day of _____, 2012, Tom Barrett, Mayor of the City of Milwaukee, a municipal corporation, to me known to be the person who executed the foregoing instrument and to me known to be such Mayor of said municipal corporation, and acknowledged that he executed the foregoing instrument as such officer as the deed of said municipal corporation, its authority, and pursuant to Resolution File No. adopted _____, 2012.

Notary Public, State of Wisconsin

My Commission expires: _____

STATE OF WISCONSIN)
) SS.
MILWAUKEE COUNTY)

Personally came before me this _____ day of _____, 2012,
Ronald Leonhardt, City Clerk of the above-named municipal corporation, to me known
to be the person who executed the foregoing instrument and to me known to be such
City Clerk of said municipal corporation, and acknowledged that he executed the
foregoing instrument as such officer as the deed of said municipal corporation, its
authority, and pursuant to Resolution File No. _____, adopted
_____, 2012.

Notary Public, State of Wisconsin
My Commission expires: _____

STATE OF WISCONSIN)
) SS.
MILWAUKEE COUNTY)

Personally came before me this _____ day of _____, 2012,
Michael J. Daun, Deputy City Comptroller of the City of Milwaukee, a municipal
corporation, to me known to be the person who executed the foregoing instrument and
to me known to be such City Comptroller of said municipal corporation, and
acknowledged that he executed the foregoing instrument as such officer as the deed of
said municipal corporation, its authority, and pursuant to Resolution File No.
_____, adopted _____, 2012.

Notary Public, State of Wisconsin
My Commission expires: _____

EXHIBIT "A"

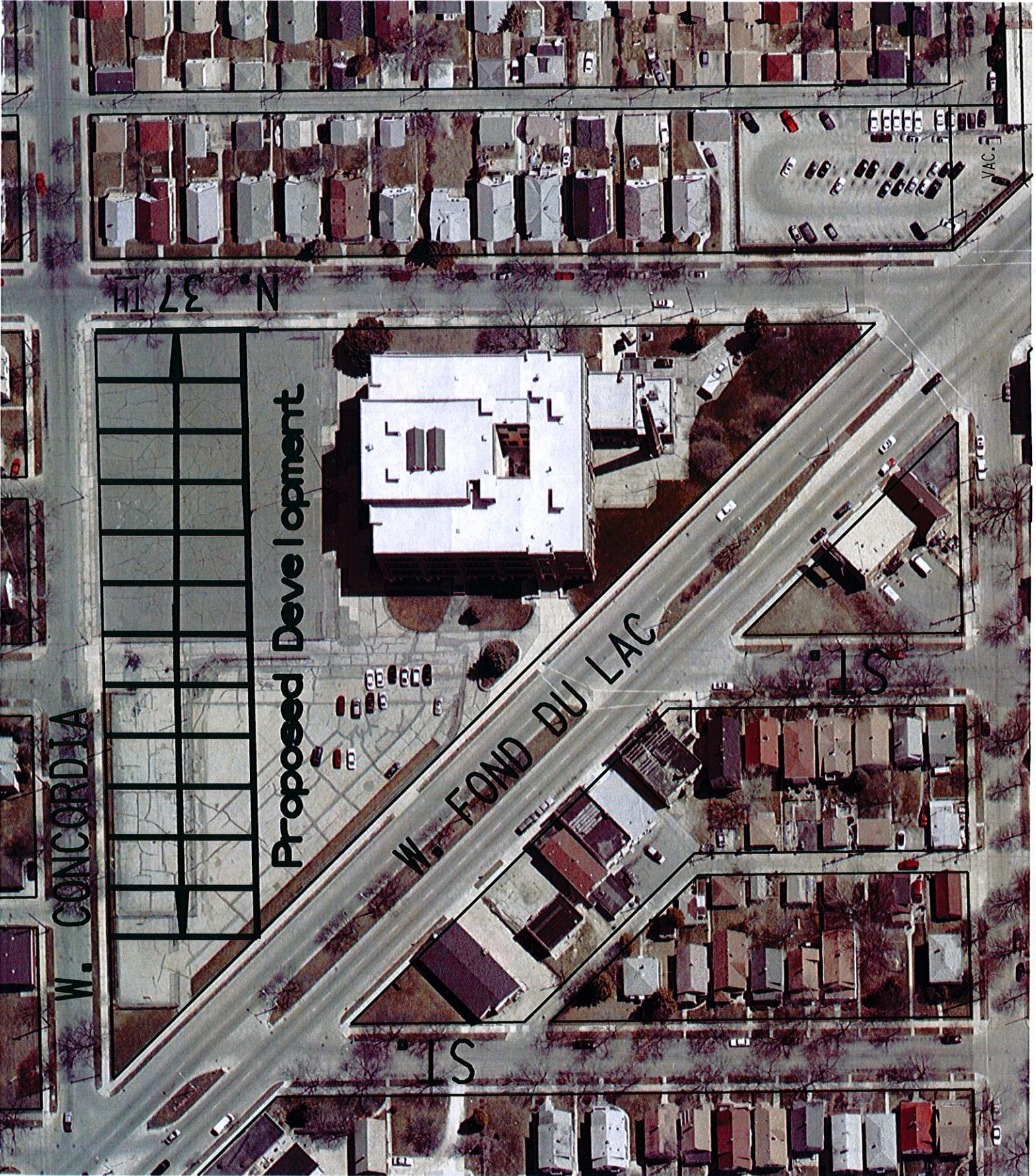


EXHIBIT "A"

