
Capital Paving Program & Project Management The “ODB”



City of Milwaukee
Department of Public Works
Infrastructure Services Staff
September 6, 2012

Introduction

- Paving Project development one stop tracking
~ From inception through project closeout

The Oracle Data Base ~ ~ *O D B* ~ ~

Programming

Utility Coordination

Design

Contract Bidding

Estimating

Construction

Drafting

Property Assessments

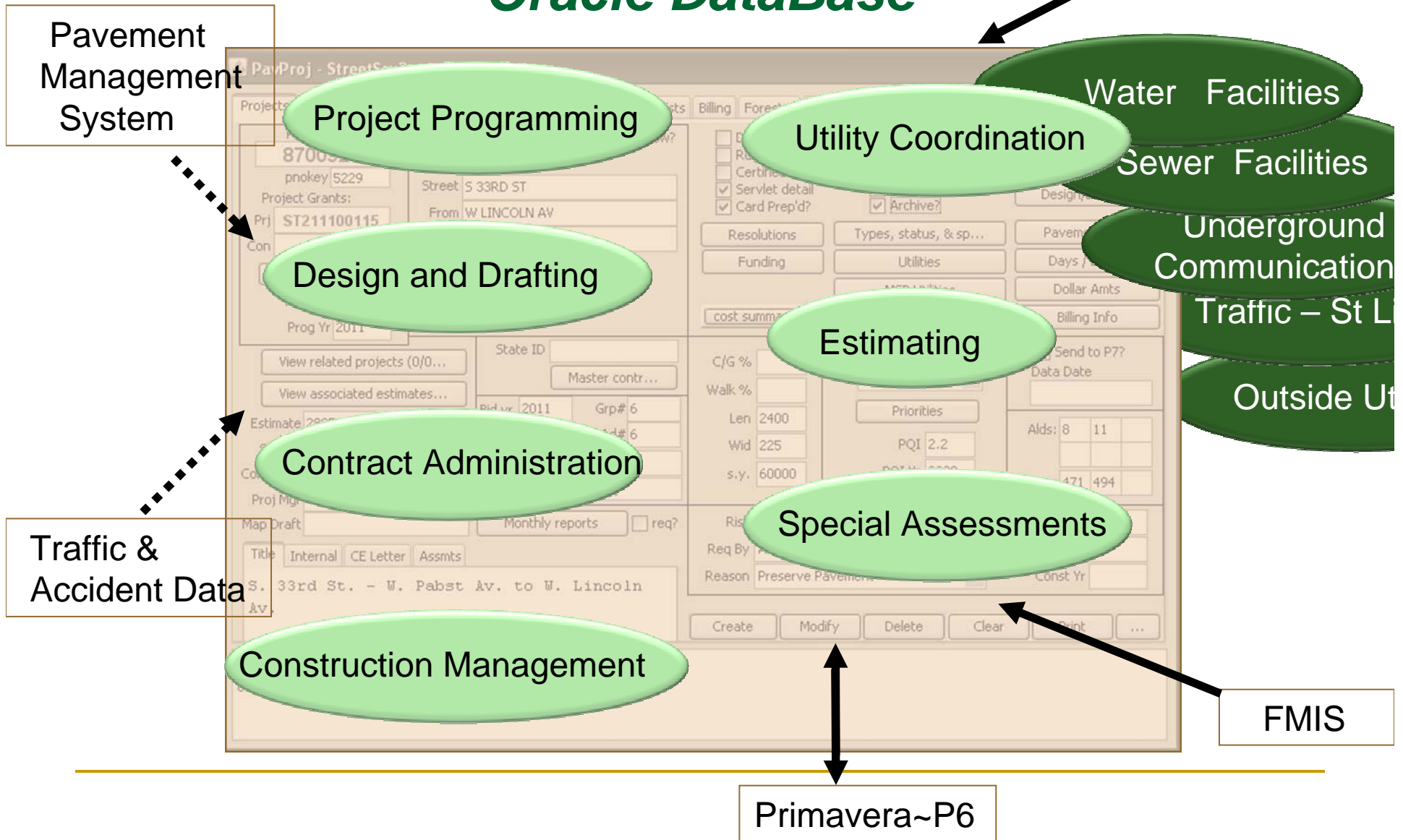
>>> *FMIS Link* Financial Management Information System

Funding, Cost Tracking, & Hours Worked

>>> *Primavera-P6 Link* *Project Management*

*Planning, Scheduling Resources by Task,
Progress, & Task Management*

Project Development Centralized: *Oracle DataBase*



The ODB – a Shared System

- Organized multiple data base systems
- Eliminates multiple entries and duplicate lists

FMIS – Brings in Historical Data

- Costs
- Resources
- Hours worked
- Tasks

Primavera - Project Management

- Improved grasp of the whole project:
 - Timing
 - Critical Path
 - Tracking
-

Project Development

- Preliminary Engineering Funding approval
 - Design and Drafting
 - Construction Funding approval
 - Bidding and Contract Award
 - Construction
 - Property Assessments
-

Main Screen: Paving Project

PavProj - StreetSrv2
_ □ ×

Projects
Locations
Boxcar
Unit Prices
Reports
Assmts
Mailing Lists
Billing
Forestry
Maj. Str. Proj.
P7
FMIS
Work Orders

Project Num:
8770944

pnokey 4274

Project Grants:
Prj **ST211070144**

Con

CE Letters

Fund Yr 2011

Prog Yr 2011

Street New?

Alley

Street: S 37TH ST

From: W MITCHELL ST

To: W LAPHAM ST

Do Not Retr.

Rdy to Bill

Certified

Servlet detail

Card Prep'd?

Orange

PTM Orange

Grey

Exempt?

Archive?

Sewers

Bridge/MSP/Spec

Design/Drafting

Pavement Info

Days / Dates

Dollar Amts

Billing Info

View related projects (0/0...)

View associated estimates...

Estimate 28866 Details

Superv

Const Mgr Lynn DesJardins - Sup

Proj Mgr

Map Draft

State ID

Master contr...

Bid yr. 2011 Grp# 8

Bid # 9 Ad# 8

Bid Prj 1 Bid Seq 1

Cont num. Y

Monthly reports r...

C/G %

Walk %

Len 650

Wid 30

s.y. 2167

Major Proj?

Priorities

PQI 5.5

PQI Yr 2010

Send to P7?

Data Date

Alds: 8

QSecs: 457

Title Internal CE Letter Assmts

S. 37th St.- W. Mitchell St. to W. Lapham St.

Risk

Req By Engineering Request

Reason Preserve Pavement

Eng Yr

ROW Yr

Const Yr

Create Modify Delete Clear Print ...

112 rows in full report..

Initial Estimate: Box Car - City Project

Paving Projects

Assmts | Mailing Lists | Billing | Fore

Projects | Locations

ST211070144 S. 37th St.- W. Mitche

2010 Reconstruct Alley?
 Resurface New F
 New

Segments:

R#	Len	Wid	Description
1405	650	30	S. 37th St.- W. Mitchell S

Seg#

Length

Width

Widths:

	Old	Ne
SW1 <input checked="" type="checkbox"/>	15	
RW1	30	
Median		
RW2		
SW2 <input checked="" type="checkbox"/>	15	
Total		

Print preview

Print Close 87% View 1 pages Current Page: 1 of 1

PROJECT COST ESTIMATE 11/12/2011

City Engineer's Letter
Program Year 2010

ST2-1107 S. 37th St. - W. Mitchell St. to W. Lapham St.

Aldemancic District 8

Old Pavement Type - Concrete

New Pavement Type - Asphalt

Total new Pavement Area 1070.0 s.y.

Total Length of Project : 650.0 Feet

Section: 15-30-15

Total Project Quantity	Item	Item #	Cost/L.F.
1 l. s.	Mobil. & Finishing Roadway		4.54
690 s.y.	Unclassified Grading		15.32
455 l. f.	Curb/Curb and Gutter Removal		3.25
1700 s. f.	Concrete Walk/Driveway Removal		2.37
131 s.y.	3" Crushed Gravel Base		.66
455 l. f.	Concrete Curb/Curb and Gutter	35	14.00
1700 s. f.	5" Concrete Walk	25	11.42
1070 s.y.	8" Concrete Pavement		106.90
437 s.y.	Sodding		5.28
7 v. f.	Sever Frame Adjustment		3.03
	Total Contractual Cost Per Lineal Foot		167.27
	Design Engineering		16.92
	Const. Engr. & Contingencies		20.44
	Storm Water Drainage		.00
	Total Construction Cost Per Lineal Foot		212.63
	Total Contractual Cost		108725.50
	Design Engineering		10990.00
	Construction Engineering and Contingencies		18406.00
	Storm Water Drainage		.00
	Total Construction Cost		138129.50
	Total Assessable		6910.48
	Total Non Assessable		131219.02

FMIS

FMIS

Chart of Accounts

ChartField Notebook

Revision 1



FMIS Link >>>> ODB

Hours ~ Costs ~ Tasks

- FMIS Data Updates to ODB on Weekends
 - Associated by
 - Project Grant Number
 - Resource (Employee)
 - Task
 - Retrievable by Specific Time Periods
 - Historical Data to Create Estimates
-

Create Estimate base on Historical ODB & FMIS Project Data - Resources, Tasks, Costs

Local Street Design Estimate

2012 Projects to use as examples:

ST211110106	2550	30	S. 50th St. - W. Oklahoma Av. to W. Cleveland Av.
ST211120125	2600	30	N. 61st St. - W. Keefe Av. Parkway to W. Capitol Dr.
ST211110125	750	30	W. Auer Av. - N. 84th St. to N. 87th St.
ST211120131	1500	30	W. Michigan St. - N. 91st St. to N. 93rd St. (Incl. N. 93rd St.)

Task	Hours	Resource
Field Work	217	Eng Tech IV
Field Work	172	Eng Tech II
Design	19	EngTech VI
Design	107	Eng Tech V
Drafting	2	Drafting IV
Drafting	45	Drafting II
Estimating	38	Eng Tech IV
Special Assess	6	Assment Tech
<u>Total Hours</u>	<u>606</u>	

\$ 17,000

Project Funding - Resolutions

PavProj - StreetSrv2

Projects | Locations | Boxcar | Unit Prices | Reports | Assmts | Mailing Lists | Billing | Forestry | Maj. Str. Proj. | P7 | FMIS | Work Orders

Project Num: **8770944**
 pnokey 4274
 Project Grants: Prj **ST211070144**
 Con

Street Alley New?
 Street S 37TH ST
 From W MITCHELL ST
 To W LAPHAM ST

Do Not Retr. Orange
 Rdy to Bill PTM Orange
 Certified Grey
 Servlet detail Exempt?
 Card Prep'd? Archive?

Sewers
 Bridge/MSP/Spec
 Design/Drafting
 Pavement Info

Resolutions Types, status, & sp...

Resolutions 8770944

8770944
4274

Res. #	Description	Str As...	Str No...	.. ..	CC intr...	Pub. Works...	CC ap...	.. ..	.. ..	.. ..
080123	Engineering		10000.00		05/20/2008	05/29/2008	06/10/2008			
100011	Additional Funds		5000.00		05/04/2010	05/12/2010	05/25/2010			...
100722	Construction	11600.00	125000.00		10/12/2010	10/20/2010	11/03/2010			...

New

Const Mgr Lynn DesJardins - Sup
 Proj Mgr
 Map Draft
 Monthly reports r...

s.y. 2167 PQI Yr 2010 QSecs: 457

Risk
 Req By Engineering Request
 Reason Preserve Pavement

Eng Yr
 ROW Yr
 Const Yr

Title Internal CE Letter Assmts
 S. 37th St.- W. Mitchell St. to W. Lapham St.

Create Modify Delete Clear Print ...

112 rows in full report..

Create Estimate – Historical Hybrid

Hybrid Project Created: Tasks - Durations & Costs

Create Spreadsheets for Analysis

Project Type
e.g. State - concrete

Project Size

Generate Hours Durations

Similar Projects – Hours & Costs

proj...	title	length	width	30 hrs	30 pay	60 hrs	60 ...	90...
ST320...	S. 6th St. - S. Chase Av. to W. Maple St.	2600	36	571.1	19799.03	352.1	1615...	604.2
ST320...	W. Edgerton Av. - S. 13th St. to S. 20th St.	3347	36	523.8	24155.92	457.6	1967...	940.8
ST320...	S. 35th St. - W. Morgan Av. to W. Lakefie...	4125	50	418.1	14217.11	831.6	4153...	1530.2
ST320...	N. 91st St. - W. Flagg Av. to W. Mill Rd.	4681	64	348	11233.77	29	637.42	1212.6
ST320...	W. Willard Av. (Excluding Structure) - N. G...	4972	38	396.5	13082.61	675.5	31911.9	1711.3

proj...	title	length	width	act_id	30 ...	30 pay	60 ...	6...	90...	...	...	...	to...	to...
Structure) -...	Structure) -...	5109	60	SP0001	3235.5	13835...	212.5	107...	536	26...	5...	...	4489.5	201...
Structure) -...	Structure) -...	5109	60	SP0002	2373.3	86987...	396.5	179...	92.5	43...	3...	...	3190.5	122...
Structure) -...	Structure) -...	5109	60	SP0003	1486.4	52670...	195.3	784...	324.7	13...	1...	...	2203.5	821...
Structure) -...	Structure) -...	5109	60	SP0004	32	1717.41	7	367...	29	10...	0	68	318...	
Structure) -...	Structure) -...	5109	60	SP0005	5	156.39	3	134...	142	53...	3...	...	521.5	187...
Structure) -...	Structure) -...	5109	60	SP0006	0	0	0	0	590.5	23...	58	...	648.5	259...
ST320...	N. 91st St. - W. Flagg Av. to W. Mill Rd.	4681	64	SP0001	0	0	0	0	633.5	31...	1...	...	1635.2	879...
ST320...	N. 91st St. - W. Flagg Av. to W. Mill Rd.	4681	64	SP0002	234.5	7589.16	0	0	280	14...	137	...	651.5	267...
ST320...	N. 91st St. - W. Flagg Av. to W. Mill Rd.	4681	64	SP0003	113.5	3644.61	0	0	299.1	13...	184	...	596.6	25781
ST320...	N. 91st St. - W. Flagg Av. to W. Mill Rd.	4681	64	SP0004	0	0	0	0	0	0	0	0	0	0

Major Street Project

Primavera



A powerful Project Management and Planning Software

- Creates detailed Project Schedule using Cost & Labor Estimates based on the ODB Historical Project Data
 - Data link with the ODB ~ Actual & Scheduled Dates
 - Customize Schedule to specific Projects
 - Schedule Adjustments as Design Develops ~
Time - Resources – Tasks – Task Driving Relationships –
- Critical Path - What-if scenarios – Status at any time
 - Reporting Tools ~ Gantt Charts, Activity Chart & Network, and Custom Time & Financial Reports
-

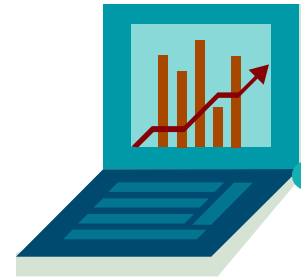
Project Management

Data link with the ODB

ODB

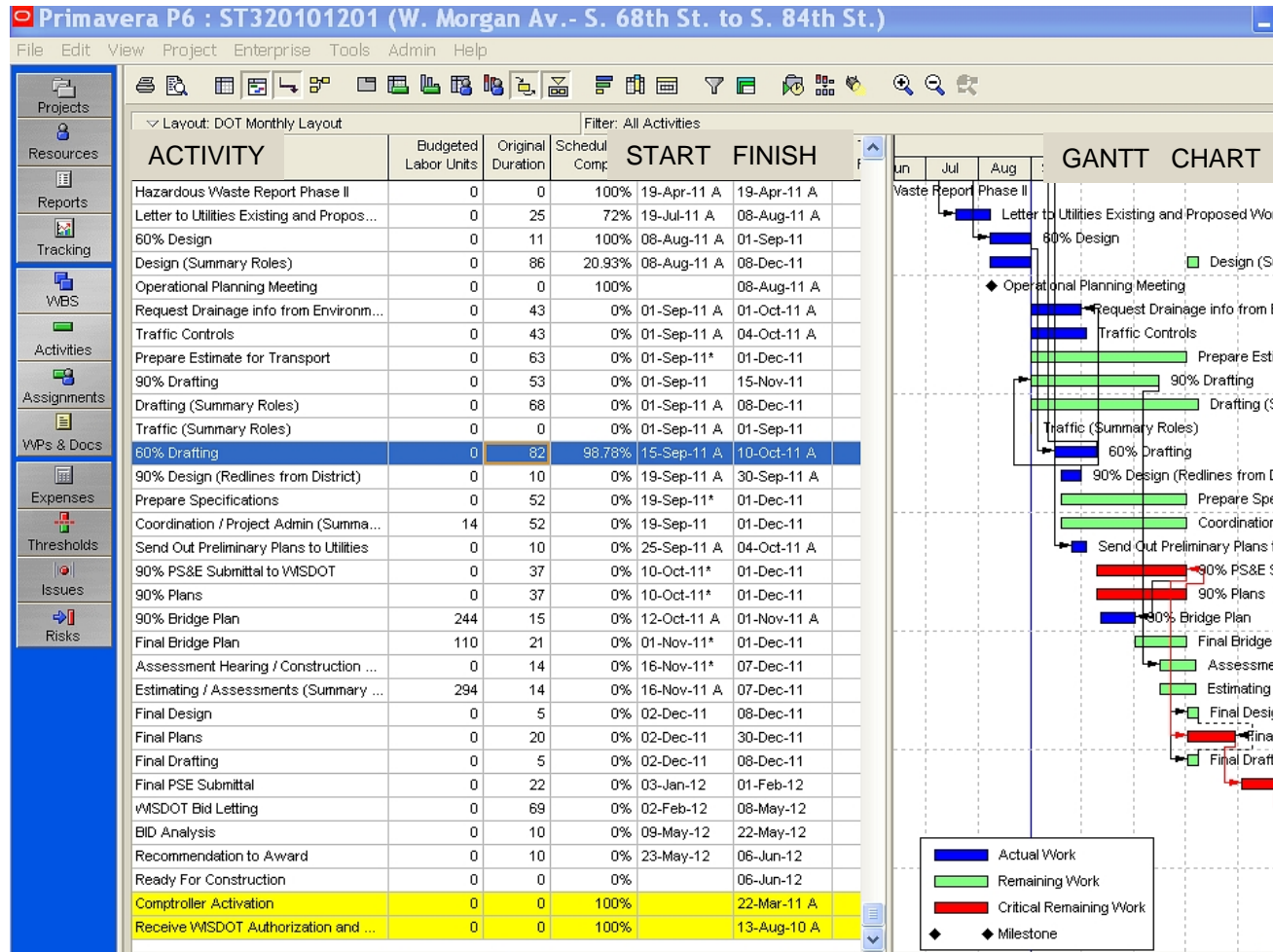


Primavera

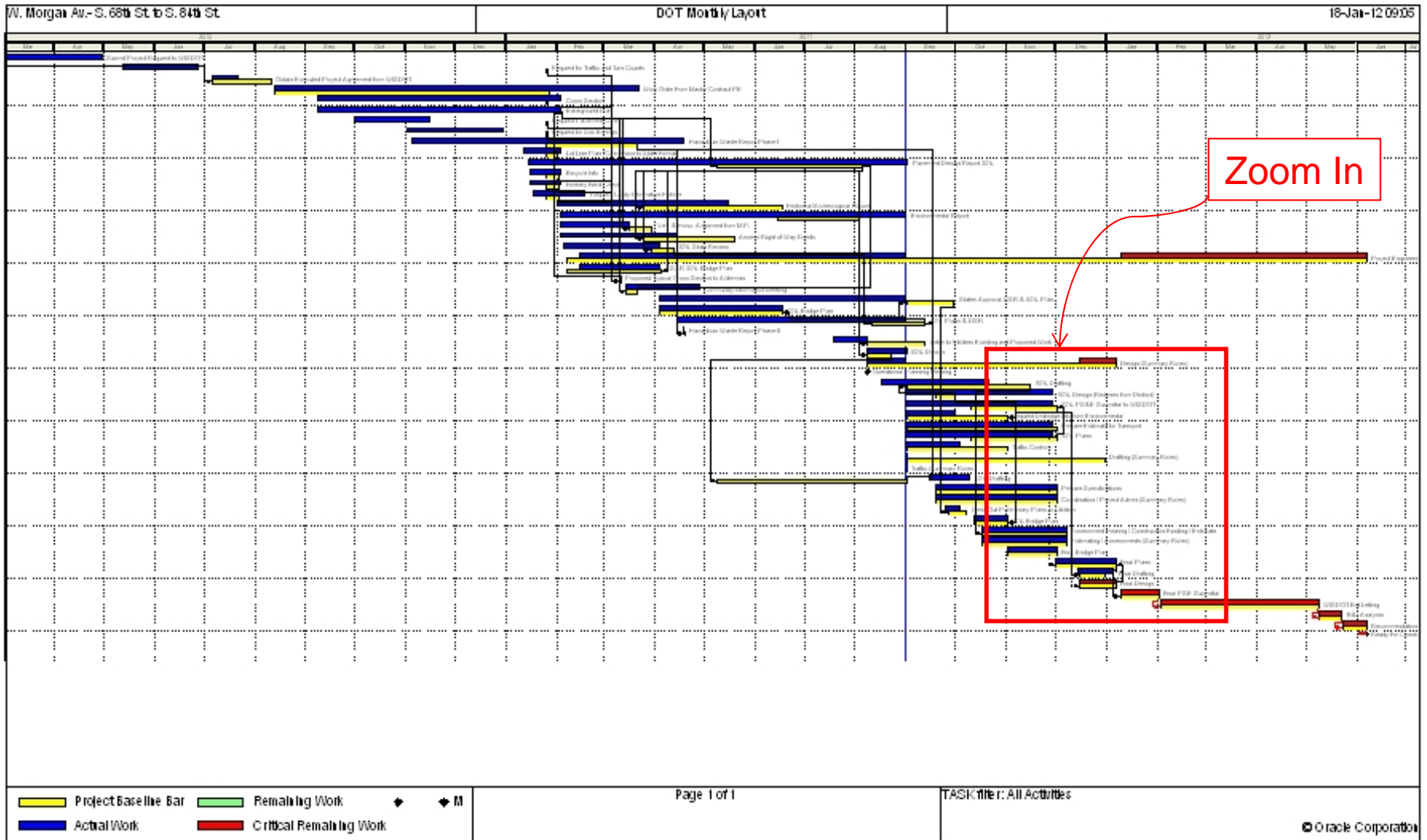


Morgan Ave Project

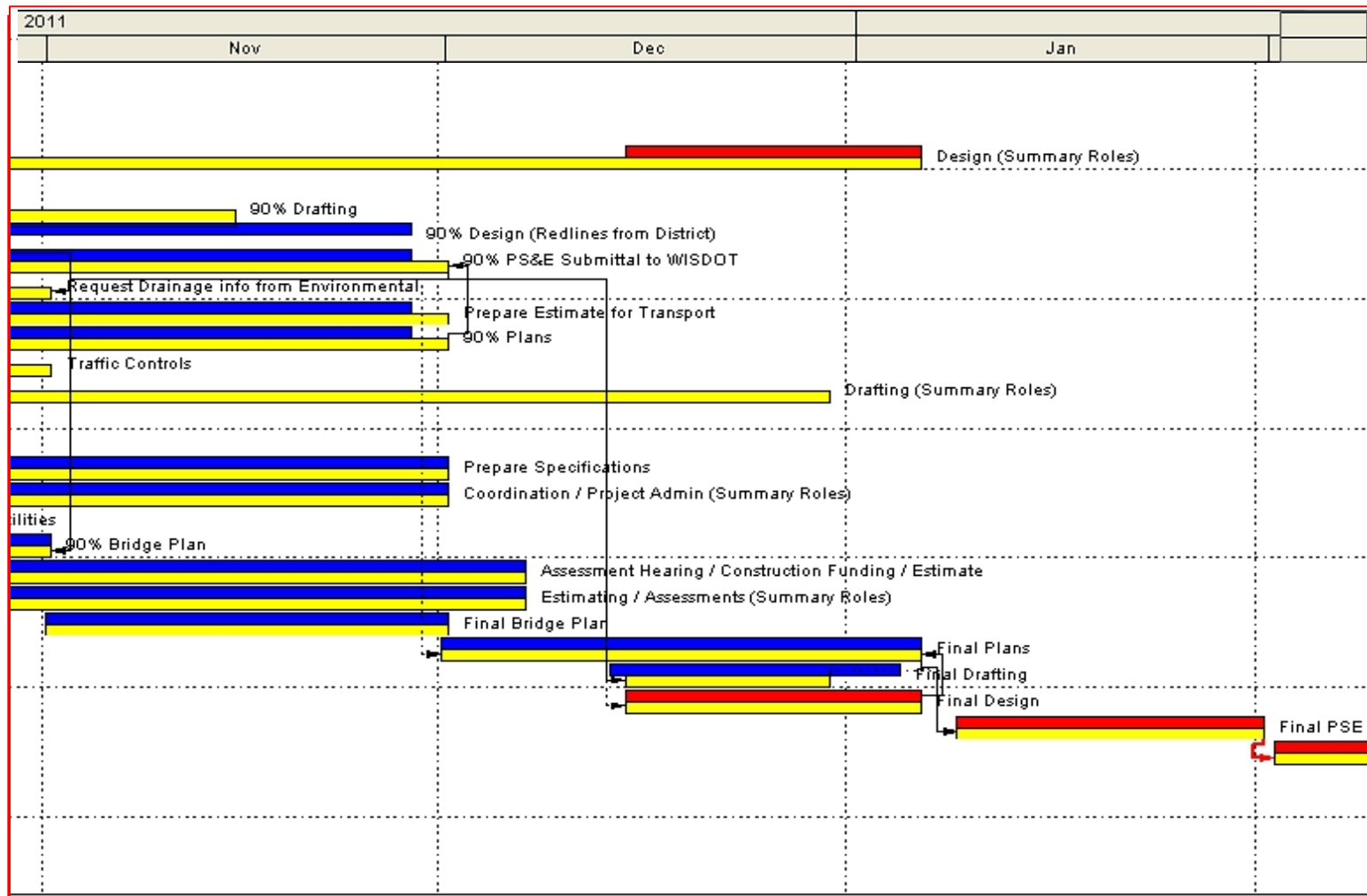
Create Baseline Schedule



Morgan Ave Project ~ Design Gantt



Zoom In: Morgan Ave Project ~ Gantt



ODB Project Page – WisDoT Project

W. Morgan Av. - S. 68th St. to S. 84th St.

ST320101201 W. Morgan Av. - S. 68th St. to S. 84th St.

	Required?	Expected start date	Actual start date	Expected end date	Actual end date	Remarks
	Y N					
I AUTHORIZATIONS						
Submit Project Req's to WISDOT	<input checked="" type="checkbox"/> <input type="checkbox"/>	2010-03-02	03/02/2010	2010-03-02	04/30/2010	CONCEPT DEFINITION WORKSHEET
Common Council Introduction	<input checked="" type="checkbox"/> <input type="checkbox"/>		05/25/2010		06/03/2010	
Public Works Committee Approval	<input checked="" type="checkbox"/> <input type="checkbox"/>		06/03/2010		06/15/2010	
Common Council Adoption	<input checked="" type="checkbox"/> <input type="checkbox"/>		06/15/2010		06/15/2010	
Certified Resolution	<input checked="" type="checkbox"/> <input type="checkbox"/>		06/24/2010		06/24/2010	
Project Agreement Execution to WISDOT	<input checked="" type="checkbox"/> <input type="checkbox"/>	2010-03-02	07/06/2010	2010-08-10	07/22/2010	
Recv WISDOT Agreement & Auth. Letter	<input checked="" type="checkbox"/> <input type="checkbox"/>				08/13/2010	
Work Order From Master Contract PE	<input checked="" type="checkbox"/> <input type="checkbox"/>	2010-08-10	08/13/2010	2011-01-24	03/22/2011	
Comptroller Activation	<input checked="" type="checkbox"/> <input type="checkbox"/>				03/22/2011	
II PRELIMINARY ENGINEERING						
Cross Section	<input checked="" type="checkbox"/> <input type="checkbox"/>	2011-01-25	09/08/2010	2011-01-25	02/03/2011	
Lot Line Plan	<input checked="" type="checkbox"/> <input type="checkbox"/>	2011-01-25	01/12/2011	2011-01-31	02/03/2011	
Background Survey From District	<input checked="" type="checkbox"/> <input type="checkbox"/>	2011-02-03	09/08/2010	2011-02-03	02/03/2011	email from Bill Fuchs and district
Request for Traffic and Turn Counts	<input checked="" type="checkbox"/> <input type="checkbox"/>	2011-01-25	05/13/2010	2011-01-25	06/28/2010	Previously Done
Request Utility Information Hotline	<input checked="" type="checkbox"/> <input type="checkbox"/>	2011-01-25	01/18/2011	2011-02-01	02/18/2011	
Vert & Horiz Alignment	<input checked="" type="checkbox"/> <input type="checkbox"/>	2011-02-04	02/03/2011	2011-02-17	03/17/2011	
Request Pavement Cores	<input checked="" type="checkbox"/> <input type="checkbox"/>	2011-01-25	10/01/2010	2011-01-25	11/15/2010	
Bicycle Info	<input checked="" type="checkbox"/> <input type="checkbox"/>	2011-01-25	01/15/2011	2011-02-01	02/03/2011	
Forestry Field Check	<input checked="" type="checkbox"/> <input type="checkbox"/>	2011-01-25	01/15/2011	2011-02-01	02/03/2011	
MSP Request Soil Borings and Soil Report	<input checked="" type="checkbox"/> <input type="checkbox"/>	2011-01-25	11/02/2010	2011-01-25	12/30/2010	100% CITY DOLLARS ST30083101
Real Estate Needs	<input checked="" type="checkbox"/> <input type="checkbox"/>	2011-03-25	02/03/2011	2011-05-19	04/15/2011	
Pavement Design Report 30% Submittal	<input checked="" type="checkbox"/> <input type="checkbox"/>	2011-02-04	01/14/2011	2011-03-24	09/02/2011	
Submit Survey Structure Rpt to DAAR (30% plans)	<input checked="" type="checkbox"/> <input type="checkbox"/>	2011-03-25	02/05/2011	2011-04-07	04/04/2011	COUNTED FOR AND REVISED RSSR ESUBMIT TO WISDOT 4/5/11
Pavement Propose Typical Cross Section to Aldermen	<input checked="" type="checkbox"/> <input type="checkbox"/>	2011-02-02	03/11/2011	2011-02-02	03/11/2011	Meeting with Alderman Clark, Lois, & Chad
Operational Planning Meeting	<input checked="" type="checkbox"/> <input type="checkbox"/>				08/08/2011	
Community Information Meeting	<input checked="" type="checkbox"/> <input type="checkbox"/>	2011-02-04	03/15/2011	2011-04-10	04/28/2011	
Request Redlines From District	<input checked="" type="checkbox"/> <input type="checkbox"/>	2011-04-08		2011-04-22	08/17/2011	
Hazardous Material Assessment	<input checked="" type="checkbox"/> <input type="checkbox"/>		11/05/2010		04/19/2011	
MSP/Spec Utilities Notification Letters	<input checked="" type="checkbox"/> <input type="checkbox"/>	2011-03-25	07/19/2011	2011-05-19	08/08/2011	
Environmental Report	<input checked="" type="checkbox"/> <input type="checkbox"/>	2011-03-25	02/03/2011	2011-06-17	09/01/2011	
Redlines to Drafting	<input checked="" type="checkbox"/> <input type="checkbox"/>	2011-01-25	09/15/2011	2011-05-12	10/10/2011	
Archaeological Report	<input checked="" type="checkbox"/> <input type="checkbox"/>	2011-03-25	02/01/2011	2011-06-17	05/16/2011	

ODB Sends Actual Dates

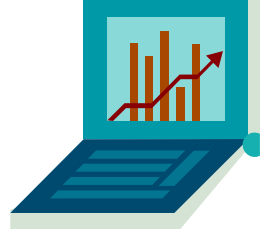
Receive Proposed Dates from Primavera

Project Life

Data Integration Continues



ODB



Primavera



- Historical Data
- Paving Project [A]
- Enter Actual Dates & Data

- Baseline Schedule
- Budgeted Schedule
- Proposed & Actual – Dates, Duration, Costs



Adjustments as Project Develops



Project Managers ~ Reports

- Accessed in ODB and Primavera
- Monthly WisDOT Reports
 - Status
 - Hours worked by Task
 - Work completed & remaining
- FMIS
 - Funding, Agreement, Work Order
 - Expense to Date
 - Percentage Complete
- Primavera
 - Present Gantt Chart Schedule



AND
MORE!!

Project Managers ~ Monthly WisDOT Reports

PavProj - StreetSrv2

Assmts | Mailing Lists | Billing | Forestry | Maj. Str. Proj. | P7 | FMIS | ACCT | Work Orders | Traffic Projs

Projects | Locations | Boxcar | Unit Prices | Reports

Project Num: **3201201**
pnokey 4886
Project Grants: Prj **ST320101201**
Con
CE Letters
Fund Yr
Prog Yr 2012

Street New?
 Alley

Street: **W MORGAN AV**
From: **S 68TH ST**
To: **S 84TH ST**

Do Not Retr.
 Rdy to Bill
 Certified
 Servlet detail
 Card Prep'd?

Orange
 PTM Orange
 Grey
 Exempt?
 Archive?

Sewers
Bridge/MSP/Spec
Design/Drafting
Pavement Info
Days / Dates
Dollar Amts
Billing Info

Resolutions
Funding
cost summary

Types, status, & sp...
Utilities
MSP Utilities

View related projects (0/0...)
View associated estimates...

Estimate 29162 Details
Superv
Const Mgr
Proj Mgr **CHRISBAUM, CHAD T**
Map Draft

State ID 2405-00-03
Master contr...
Bid yr. 2012 Grp# 99
Bid # Ad# 99
Bid Prj Bid Ser
Cont num.

C/G %
Walk %
Len 5280
Wid 48
s.y. 28160

Major Proj? A-1
Priorities
PQI 3.3
PQI Yr 2007

Send to P7?
Data Date 09/12/2011
Alds: 11
QSecs: 558 559 528

Monthly reports

Risk
Req By
Reason

Eng Yr 2012
ROW Yr
Const Yr 2012

Title Internal CE Letter Assmts
W. Morgan Av. - S. 68th St. to S. 84th St.

Create Modify Delete Clear Print ...

129 rows in full report..

Project Managers ~ Monthly WisDoT Reports

Project Monthly Status Report

The purpose of this status report is to provide a record of the work accomplished to support the monthly invoice for each local project involving federal funding.

Project ID: 2405-00-03

Project name: W. Morgan Ave. – South 68th St. to South 84th St.

Reporting period: October 30, 2011 To November 26, 2011

Work accomplished for the current reporting period (include relevant tasks performed, status of the task i.e. in progress or completed and the names of staff involved).

Tasks performed	Status	Staff name
Resubmittal of DSR after all DAAR changes addressed. Updating 90% plan based on DAAR comments, misc. quant. And estimate. Finalizing pavement marking and underground conduit plans. Putting final touches on 90% contract documents. ESR signed on 11/02/11. DSR signed on 11/14/11	Ongoing/Complete	C. Chrisbaum, S. LaMarca, S. Bieganski, D. Zalewski, J. Blakeman, J. Bondowski
90% Design	Complete	R. Viktora,
Final bridge plans and specs, utility coordination	Complete	A. Roy, K. Suess, C. Liberto, H. Rutenbeck, G. Rogalinski
See Attached Report for Hours and Staff		

I. Work proposed for the next reporting period (planned tasks to be performed).

90% PS&E submittal on November 29, 2011. Construction permits and driveway applications.

See Attached Report for Hours and Staff

II. Identify any issues that may require a change to the approved schedule, scope of work and/or budget.

Ability to meet the accelerated work schedule milestones. The ability of the City and DAAR/WISDOT to work through the approvals on the items listed in IV, below, will determine timely delivery.

III. Identify any items needed from WisDOT and/or others.

90% PS&E review comments once the documents have been submitted.

IV. Identify current challenges, risks, and/or hindrances to the project.

Project Managers ~ Monthly WisDoT Reports

Personnel Hours

Morgan		Avenue S. 84th Street to S. 68th Street						
EVENT_DT	YEAR	PROG	TASK PERFORMED	LAST NAME	FRST_NAM	PAY_AMNT	HOURS	
11/12/2011	2011	4411	Traffic Engineering	BLAKEMAN	JOSEPH	191.02	3	
11/19/2011	2011	4411	Traffic Engineering	BONDOWSKI	JOSEPH	61.33	1	
11/12/2011	2011	4812	Bridge Design	LIBERTO	CRAIG	93.1	1	
11/12/2011	2011	4812	Bridge Design	RUTENBECK	HOLLY	407.31	9	
11/12/2011	2011	4812	Bridge Design	ROY	ALAK	534.08	7	
11/26/2011	2011	4812	Bridge Design	RUTENBECK	HOLLY	543.09	12	
11/26/2011	2011	4812	Bridge Design	ROY	ALAK	395.77	5	
11/26/2011	2011	4812	Bridge Design	LIBERTO	CRAIG	186.21	2	
11/5/2011	2011	4819	Bridge Drafting	ROGAUNSKI	GREGORY	139.11	3	
11/19/2011	2011	4819	Bridge Drafting	SUESS	KENNETH	53.04	1	
11/12/2011	2011	4922	Project Engineering	CHRISBAUM	CHAD	1881.33	27	
11/12/2011	2011	4922	Project Engineering	LA MARCA	SALVATOR	4026.15	75	
11/26/2011	2011	4922	Project Engineering	CHRISBAUM	CHAD	905.83	13	
11/26/2011	2011	4922	Project Engineering	LA MARCA	SALVATOR	2898.83	54	
11/26/2011	2011	492A	Roadway Design	VIKTORA	ROBERT	97.76	1	
11/12/2011	2011	492B	Drafting/Clerical	BIEGANSKI	SCOTT	18.49	0.5	
11/5/2011	2011	492C	Estimating	ZALEWSKI	DAVID	552.13	9	

Project Managers ~ Monthly WisDoT Reports

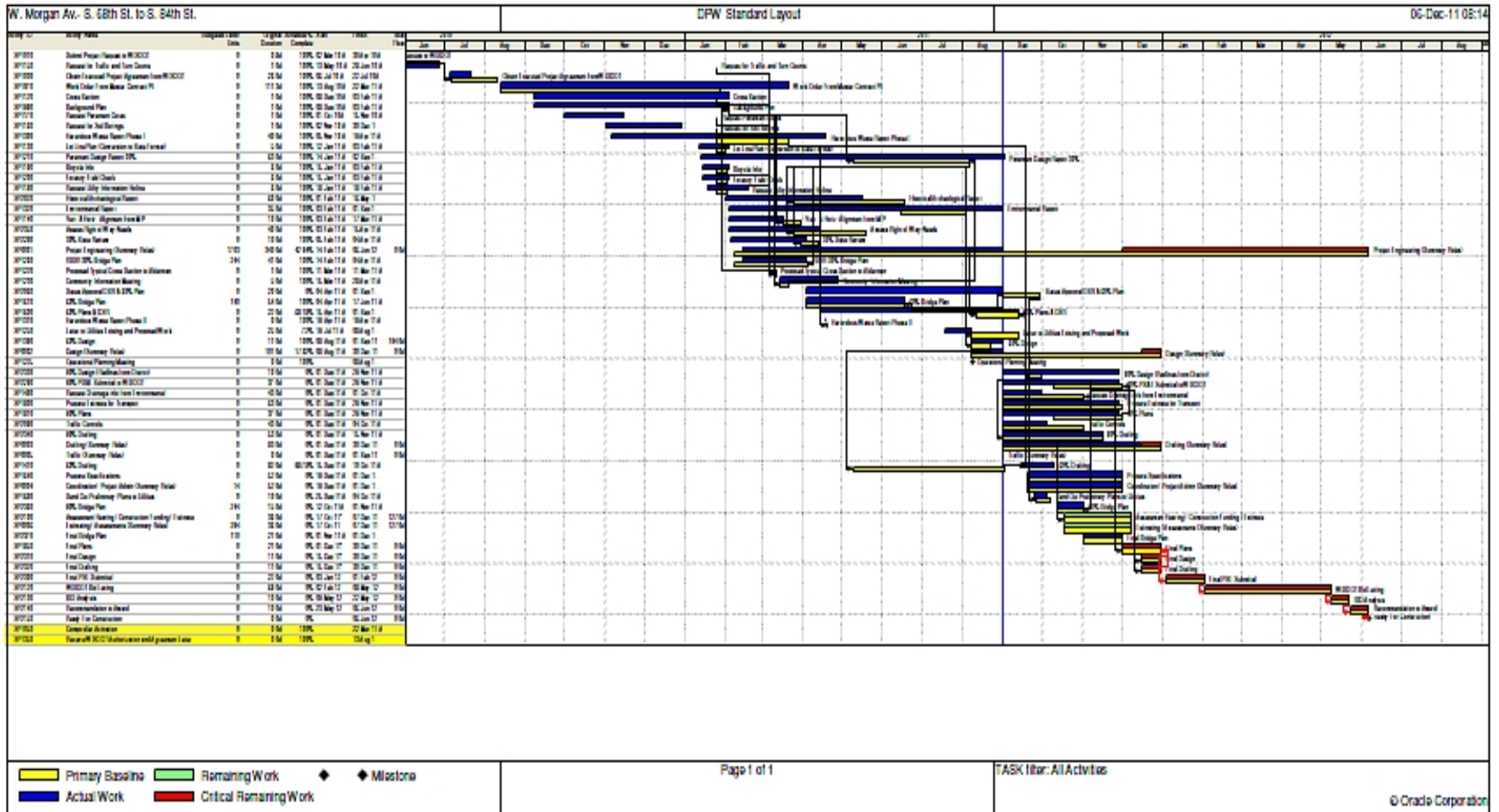
Funds – Expenses

state id 2405-00-03
 project ST320101201
 W. Morgan Av. - S. 66th St. to S. 64th St.

totals		\$549,000.00	\$4,084,000.00	\$317,179.04	\$201,743.56	63.61%
st id	afx description	resolutions	agreements	work orders	expenses to date	% complete
0	Engineering/review	\$549,000.00	\$549,000.00	\$317,179.04		0.00%
20	Real estate					
40	Utility					
50	Rail road					
70	Construction		\$3,380,000.00			
90	Lighting and traffic other		\$155,000.00			

Project Managers ~ Monthly WisDoT Reports

Gantt- Present Status



Assessments

Property
Owner List

Billing

Initiate Bid Process - City Projects

PavProj - StreetSrv2

Assmts Mailing Lists **Billing** Forestry Maj. Str. Proj. P7 FMIS ACCT Work Orders Traffic Projs

Reports

Sewers
Bridge/MSP/Spec
Design/Drafting
Pavement Info
Days / Dates
Dollar Amts
Billing Info

Send to P7?
Data Date
Alds: 8

Eng Yr
ROW Yr
Const Yr

Clear Print TAd

Department of Public Works
Infrastructure Services Division

Ghassan Korban
Commissioner of Public Works
Preston Cole
Director of Operations
Jeffrey S. Polenske
City Engineer

December 09, 2011

Construction Manager
Construction Section
Room 710, Municipal Building

Subject: Tentative Ad No. 3
Official Notice No. 5

Dear Sir:

For your consideration and review, a Tentative Paving Ad is tabulated below. Kindly review the estimated quantities and develop the special contract provisions for these projects.

The contractor bids for this Official Notice are tentatively scheduled for opening on 02/03/2012.

Supervisor's Date Due 01/06/2012
Supervisor: FRASCH, WILLIAM - Sup

ST211110130	W. Flagg Av. - N. 96th St. to N. 98th St.	Asph Surf
ST211110123	N. 97th St. - W. Carmen Av. to W. Flagg Av.	Asph Surf
ST211110124	N. 98th St. - W. Carmen Av. to W. Flagg Av.	Asph Surf

Verv trulv yours.
Mary L. Dziewiontkoski
Mary L. Dziewiontkoski
Project Programming Manager

Print Ad

Electronic Contract Payments

~ Prompt Payment Resolution ~

- Payment Created in the ODB, also change orders
 - Simultaneous Automatic Emails to Approvers
 - Supervisors & Managers
 - Contract Office – Labor & Contract requirements
 - Accounting – Funding
 - Tracking – shows timing, holds, approvals
 - Approved >DPW Admin. Control Group Register
 - Comptroller > Treasurer > Check to Contractor
 - Contract Close Out >Final Payment >Assessments
-

Contract Payments – Contract Estimate

for payment of work completed

CONTRACT ESTIMATE
Estimate No. 2

INFRASTRUCTURE SERVICES
Dept. of Public Works
Milwaukee, Wis.
FORM 6-217

SHEET NO 1 OF 2

It is hereby certified that **Milwaukee General Const. Co., Inc.** has constructed the following amounts of **Paving** const work in accordance with contract documents for contract **6523110108**

- ST212050137 - Alley betw. S. Austin St., S. Brisbane Av., E. Euclid Av., E. Oklahoma Av.
- ST212050117 - Alley betw. W. Brantling La., W. Greenfield Av., S. 39th St., S. 36th St. (Northernly E-W leg and north half of N)
- ST212020118 - Alley betw. W. Dakota St., W. Montana St., S. 49th St., S. 50th St.
- ST212110108 - Alley betw. S. Ellen St., S. Kinnickinnic Av., E. Morgan Av., E. Vollmer Av.

Item No	Quantity	Units	Size	Type	Bid Unit Price	Bid Cost	WORK PERFORMED TO DATE	
							UNITS Total	Amount Earned
1	1	Lump		Mobilization	1,565.00	1,565.00	1.00	1,565.00
2	1	Lump		Finishing Roadway	750.00	750.00	0.00	0.00
3	1	Lump		Barricading and Signing	535.00	535.00	0.00	0.00
4	781	cu. yd.		Cutting	15.68	12,386.68	126.00	2,030.00
5	4370	sq. ft.		Pavement Removal	4.00	17,480.00	0.00	0.00
6	249	lin. ft.		Curb and/or Curb and Gutter	4.78	1,185.24	188.20	895.83
7	2616	sq. ft.		Concrete Walk and/or Driveway	0.58	1,517.28	240.80	139.66
8	876	lin. ft.		Sawing (Full Depth)	1.50	1,314.00	0.00	0.00
9	35	lin. ft.		Sawing	1.50	52.50	42.50	63.75
10	8	in.		Trees Clearing	45.00	360.00	8.00	360.00
11	8	in.		Trees Grubbing	45.00	360.00	8.00	360.00
12	64	lin. ft.		22 inch Vertical Face Concrete	19.95	1,276.80	0.00	0.00
13	186	lin. ft.		31 inch Reinforced Vertical Face	19.95	3,710.70	189.00	3,770.55
14	38	ou.		Variable Thickness Concrete Walk	211.00	8,018.00	0.00	0.00
15	237	sq. ft.		5 inch Concrete Walk	4.19	993.03	0.00	0.00
16	845	sq. ft.		7 inch Concrete Driveway	4.65	3,929.25	0.00	0.00
17	344	sq. ft.		8 inch Concrete Driveway	4.88	1,671.84	406.90	1,977.53
18	147	sq. ft.		Concrete Traffic Island	9.05	1,330.35	136.75	1,237.58
19	188	sq.		8 inch Concrete Pavement	42.29	7,104.72	192.20	8,128.13
20	4372	sq.		7 inch Concrete Alley Pavement	30.40	132,908.80	0.00	0.00
21	33	sq.		6 inch Concrete Base	30.40	1,003.20	0.00	0.00
22	4	sq.		9 inch Concrete Base	30.40	121.60	0.00	0.00
23	5	tons		Variable Thickness Asphalt	175.00	875.00	0.00	0.00
24	1	tons		Variable Thickness Asphalt	175.00	175.00	0.00	0.00
25	4372	sq.		4 inch Crushed Stone Base	3.22	14,077.84	0.00	0.00
26	596	sq.		12 inches of 281/2 inch (ASTM)	9.19	5,477.24	0.00	0.00
27	44	tons		Variable Thickness Crushed	13.78	606.32	0.00	0.00
28	4	tons		Variable Thickness Crushed Stone	70.00	280.00	0.00	0.00
29	1	tons		Gravel Filling	70.00	70.00	0.00	0.00
30	217	sq.		Sodding	15.00	3,255.00	294.00	4,410.00
31	12	ou.		Topsoil	80.00	720.00	20.00	1,200.00
32	4540	sq.		Sealing Pavement Joints and	0.80	3,632.00	0.00	0.00
33	2	each		Adjusting Monitoring Wells /	100.00	200.00	2.00	200.00
34	5	each		Manhole / Inlet Adjustment Type 1	190.00	950.00	0.00	0.00
35	18	lin. ft.		Chain Link Fence Removal	19.00	342.00	18.00	342.00
36	1	Lump		6 foot Chain Link Fence Gate	5,100.00	5,100.00	1.00	5,100.00
37	1	each		Inlet Frame and Cover Type 57	420.00	420.00	1.00	420.00

CERTIFIED CORRECT AS TO QUANTITIES, COSTS, AND CONSTRUCTION

Reed Roger A. (12092011) Amin Samir (12092011)
 Dale Hagan (12092011) Jeffrey Polenski (12092011)

TOTAL AMOUNT EARNED TO DATE \$ 35753.46
 LESS 3.00% RETAINED \$ 1072.60
 TOTAL EARNED LESS RETAINED \$ 34680.86
 LESS PREVIOUS ESTIMATES \$ 15169.30
 BALANCE DUE ON THIS ESTIMATE \$ 19511.56

Contract Payments – Track Work Approvals

Simultaneous emails request contract payment approvals

Approvals – In less than one hour!!

APPR_SEQ	APPR_NUM	APPR_NAME	ACTION	APPR_DT
	1	REED,ROGER A	Approved	01/12/2012 08:34:09 AM
	2	AMIN,SAMIR	Approved	01/12/2012 08:59:26 AM
	3	Dale Mejaki	Approved	01/12/2012 09:40:03 AM
	4	Jeffrey Polenske -City Engr	Approved	01/17/2012 09:06:57 AM

The screenshot shows the 'Paving Estimates' software interface. At the top, there are tabs for 'Bid Items', 'Est Quants', 'Act Quants', 'Mailing lists', and 'Work da'. Below these, the contract information is displayed: 'Contract: C523110114' and 'UPI, LLC'. The project title is '2011 SANITARY BYPASS PUMP REHA'. There are buttons for 'All approvers', 'Payments', 'Change orders', and 'Approvers'. A table titled 'Summary' is open, showing the 'Approvers' tab. The table has five columns: APPR_SEQ, APPR_NUM, APPR_NAME, ACTION, and APPR_DT. The table contains four rows of approval data. A red box highlights the table, and a red arrow points from a text box to the table. The Windows taskbar at the bottom shows the start button, Internet Explorer, Paving Estimates, and Microsoft Office. The system clock shows 1:52 PM.

Contract Payments–DPW Payment Approvals

Contract Payment Approval - Windows Internet Explorer

http://dpwapps.mpw.net/servlets/ContPymtAppv?emplid=001587&rec_num=41884

25	1	vert. ft.	Manhole/Inlet Adj Typ III	400.00	400.00	2	800.00	(-400.00)
26	1	Lump Sum	Erosion Control	431.00	431.00	1	431.00	0.00
			CHANGE ORDER 1, EXTRA 1 52310492	0.00	0.00		14,200.00	0.00
TOTAL EARNED:							496,011.44	556,483.02 (-46271.58)

Total overages: \$47,281.31
 Total non-overages: \$495,001.72
 Open contract printout mini-application.

Download project quantities spreadsheet.

Complete payment / change order summary:

Contract	Pymt#	Pymt Dt	Amount	F?	WH%	WH\$	Status	Click
C523100102	1	11/08/2010	432065.44	N	3.00	12961.96	SENT TO COMPTR	details
C523100102	2	12/01/2010	82249.77	N	3.00	2467.49	SENT TO COMPTR	details
C523100102	3	01/13/2011	38578.10	N	.71	273.90	SENT TO COMPTR	details
C523100102	4	04/11/2011	1589.71	N	.35	5.56	SENT TO COMPTR	details
C523100102	5	07/22/2011	2000.00	Y	.00	.00	SENT TO COMPTR	details

Payment review details:

#	Name	Email	Reviewed on	Action
1	AMER, MAZEN M - Sup	mazen.amer@milwaukee.gov	07/25/2011 09:28	Approved
2	AMIN, SAMIR	samir.amin@milwaukee.gov	07/26/2011 07:20	Approved
3	Dale Mejaki	dale.mejaki@milwaukee.gov	07/26/2011 10:49	Approved
4	Jeffrey Polenske -City Engr	jeffrey.polenske@milwaukee.gov	07/26/2011 14:29	Approved

Show payments that are waiting on me

Payment History

Contract Payments – Holds – who, why, where?

The screenshot displays the 'Paving Estimates' application window. The 'Contracts' tab is active, showing details for contract C523110017 at LaLonde Contractors, Inc. The 'History' sub-tab is selected, revealing a table with the following data:

NAME	ENTERED_ON	ACTION	COMMENTS
Barbara Tribble - Bids	09/15/2011	HELD	need documents

A red-bordered text box is overlaid on the table, containing the following text:

Emails Sent to Notify all
-When Held & Why
-When Approved

The Windows taskbar at the bottom shows the Start button, several application icons, and the system tray with the time 1:59 PM.

After DPW Approvals – To Admin.>Comptroller>Treasurer

Contract Payment Approval - Windows Internet Explorer provided by City of Milwaukee

http://dpwapps.mpw.net/servlets/ContPymtApp?emplid=021003&rec_num=42254&ops=HR

File Edit View Favorites Tools Help

McAfee

Favorites: FMIS, SS, Oracle I-PM, Legistar, MINT, Chase, Gmail, 102.9 Radio, DPWApps, JS Online, ESPN Radio, ESPN, Facebook

Employee-facing registry con..., Oracle I/PM, Contract Payment Approval

City Of Milwaukee
Dept of Public Works

\$1072.6 (3%) withheld.

This payment is in 'SENT TO COMPTR' status.

Alteration of the payment's status is NOT permitted anymore.

Show project-level details

Contract C523110108/2payment detail records:

45 detail records:

Item#	Quant	Units	Size	Item Description	Unit Price	Bid Cost	Units Done	\$ Earned	Diff
1	1	Lump Sum		Mobilization	1,565.00	1,565.00	1	1,565.00	0.00
2	1	Lump Sum		Finishing Roadway	750.00	750.00	0	0.00	750.00
3	1	Lump Sum		Barricading and Signing	535.00	535.00	0	0.00	535.00
4	781	cu. yd.		Cutting	15.88	12,388.68	128	2,030.08	10,358.60
5	4370	sq. yd.		Pavement Removal	4.00	17,480.00	0	0.00	17,480.00
6	249	lin. ft.		Curb and/or Curb and Gutter Removal	4.78	1,185.24	188.2	895.83	289.41
7	2616	sq. ft.		Concrete Walk and/or Driveway Removal	0.58	1,517.28	240.8	139.66	1,377.62
8	876	lin. ft.		Sawing (Full Depth)	1.50	1,314.00	0	0.00	1,314.00
9	35	lin. ft.		Sawing	1.50	52.50	42.5	63.75	(-11.25)
10	8	in. dia.		Trees Clearing	45.00	360.00	8	360.00	0.00
11	8	in. dia.		Trees Grubbing	45.00	360.00	8	360.00	0.00
12	64	lin. ft.		22 inch Vertical Face Concrete Curb and Gutter	19.95	1,276.80	0	0.00	1,276.80
13	186	lin. ft.		31 inch Reinforced Vertical Face Concrete Curb and Gutter	19.95	3,710.70	189	3,770.55	(-59.85)

Payment Details

start | 2 Microsoft Office O... | 2 Internet Explorer | 3 Windows Explorer | 20120112150412465... | 3:59 PM

Contract Payments – Contract closeout – Final Payment

Subject: FW: Contract C523100102/5 payment *FINAL* APPROVED!

Attachments:

Recipients: mary.dziewiontkoski@milwaukee.gov

Dear Mary:

Contractor: Milwaukee General Const. Co., Inc.

Contract: C523100102

Payment #: 5

has been approved by the first reviewer.

To view the payment details online, click on the following link:


http://dpwapps.mpw.net/servlets/ContPyntAppv?emplid=001587&rec_num=41884

To print an estimate, use the applet:

<http://dpwapps.mpw.net/ContractEstimatePrintouts.html>

Auto email to
Special Assessments
-Certificate
-Property Owner Billing

ODB At Work

- ❑ Common Data Base for **ALL** Data Entry & Retrieval
- ❑ Coordinated Scheduling
- ❑ Project Management ~ Primavera Software
- ❑ Construction Payments – electronic, time savings
- ❑ Property Owner Lists Shared – Public meetings, Surveys, Mailings, Assessments, Estimates, & Billing
- ❑ Expansion and adaptation to other DPW services:
Sewer, water, street lighting, traffic control
- ❑ Project Costs ~ Before - During - After
- ❑ Links to DPW Informational web sites ~ Bid Info
- ❑ Paving Program ODB data in Map Milwaukee 

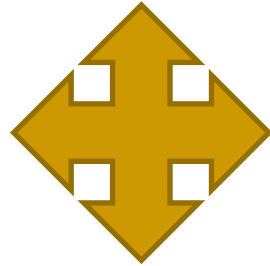


Efficiencies Gained

ODB ~ FMIS ~ Primavera

- Eliminate duplication: data bases, paper files, spreadsheets, project info entries throughout DPW
 - Eliminate financial inquiries from Administration and time waiting for processing financial information.
 - Project Records and financial info available to Managers, technicians, Project Engineers, & City Officials immediately at work stations.
 - FMIS time charged on projects to date and historical data help in planning and adjusting work loads.
 - Project control – scope, changes over time, & total costs
 - Meet Extensive WisDot Project Reporting requirements – avoid staff increase and consultant fees
-

What lies ahead...



■ *Potential*

- ❑ Electronic bidding
- ❑ Further adaptation to other DPW services:
 - Sewer, water, street lighting, traffic control
- ❑ Links to more City Departments & external utilities
- ❑ Construction field reporting interface
- ❑ Primavera ~ Global and Project Level Reporting
 - Multiple Categories:
Budgetary ~ Resources ~ Completion ~ Task Relationships

Thank you!
Any Questions??

Oracle Data Base



Primavera P6

Enter Map
Milwaukee

