

## **City of Milwaukee**

## **Meeting Minutes**

## CAPITAL IMPROVEMENTS COMMITTEE

ALD. JOSEPH DUDZIK, CHAIR Ald. Robert Bauman, Ald. Michael Murphy, Jeffrey Mantes, W. Martin Morics, Mark Nicolini, and Mariano Schifalacqua

Chaff Assistant Tammy Mas Danald

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Wednesday, February 10, 2010	9:00 AM	Room 301-B, City Hall
Meeting convened: 9:05 A.M.		

1. Roll call:

Members Present: 5 - Ald. Joseph Dudzik, Chair, Jeffrey Mantes, Michael Daun (W. Martin Morics Alternate), Mark Nicolini, and Mariano Schifalacqua

Members Excused: 2 - Ald. Bauman and Gerald Froh (Ald. Michael Murphy Alternate)

Also present: Venu Gupta, Dept. of Public Works, David Schroeder, Dennis Yaccarino and Eric Pearson, Dept. of Admin., Budget & Management Div., Marianne Walsh and Barry Zalben, Legislative Reference Bureau and Carrie Lewis, Superintendent of Water Works

2. Review and approval of the January 21, 2010 meeting minutes

*Mr.* Daun moved approval of the minutes, *Mr.* Mantes seconded. There were no objections.

# **3.** Discussion and development of the committee's procedures, guidelines, goals and objectives

Ald. Dudzik said this committee has already had some discussion on its goals and duties, but the committee as a whole needs to work on setting up some guidelines to meet the goals that this committee was charge with and also, so that it can have some input on the 2011 Capital Improvements budget.

Ald. Dudzik said one of the reports that this committee is responsible for was due on February 1st, but that due date was not obtainable this year. Another deadline this committee is facing is on May 11, 2010, which is the due date for the submission of a proposed 2011 capital improvements budget.

*Mr.* Daun said that this year this committee will be relying on the Budget & Management Div. staff and asked Mr. Nicolini what is his thoughts are on the timing of the 6 year capital improvements plan?

*Mr.* Nicolini replied that the budget office staff will handle the capital improvements requests this year, as it has been done in previous years, but due to this committee's involvement in the process he will accelerate the process this year by two weeks. He said the due date could be set for the middle of April, instead of the end of April. He said one of the ways that this committee could help the budget office staff would be during its review of the condition ratings, it could begin with those projects that are considered priorities.

*Mr.* Nicolini suggested this committee begin with reviewing the current 2010-2015 capital improvements plan.

*Mr.* Schroeder said the budget office plan is to have the capital improvements plan form and instructions sent to all departments by the end of February and the due date for the submission of the form to the budget office will be set for the middle of April. He said he would include in the instructions a note that a copy of departmental requesta need to be sent to the Capital Improvements Committee.

*Mr.* Daun said the first thing this committee should do is begin reviewing the 2010-2015 capital improvements plan and secondly, review and potentially modify the criteria listed in Common Council File #081215. He also said that the members could begin reviewing the condition rating report.

Ald. Dudzik said that the Dept. of Public Works had provided the committee members with a condition data report (Exhibit 1).

Ald. Dudzik said he would like to have a clear set of procedures and guidelines set up and in place in the near future as to where this committee is going and what it needs to get done. He said it would be one less hurdle for the new staff person to this committee to have to deal with.

Ms. Walsh suggested that rather then putting the individual criteria into the ordinance, the committee may want to look at developing a new matrix of criteria that can be referenced in the ordinance and can be changed from time to time as determined this committee. She said she has obtained the criteria used by several other cities. She also suggested that some kind of scoring system could be created by this committee. She said she has an example of a scoring card that another City uses that she will make available to the committee members. *Mr.* Schifalacqua said there are two key dates that the committee needs to submits reports by, the first report is the 6-year program plan that is due on February 1st, which is not feasible this year and the second is capital improvements budget request that this committee needs to submit to the Budget & Management Div. by May 11, 2010. He said that the departments' capital improvements requests should be submitted to this committee first for its review. He said for this first year the committee will need to work with the budget office in the initial review.

Ald. Dudzik suggested that this Committee send out a letter to all the departments letting them know that this committee exists and that a copy of their department capital improvements budget request should be sent this committee.

*Mr.* Schifalacqua replied that a joint letter from this committee and the Budget & Management Div. be sent out to all departments.

Ald. Dudzik replied in the affirmative.

*Mr.* Daun asked if the list of criteria could be included in the joint letter, so that the departments know what information this committee looking for.

*Mr.* Mantes replied that the most of the department heads know what information is required.

*Mr.* Nicolini said section b-1, b-3 and b-5 listed in File #081215 (Exhibit 2) are items that this committee could begin focusing on, with the help of Ms. Walsh, the budget office and all other departments. He said one of the benefits of having this Capital Improvements Committee is that there will be an improvement in the overall quality of the information that is taken into account as part of the budget process. He said the budget office could provide the committee with the information needed for b-1 and the process for b-3 could begin today by beginning the review of the condition ratings. He said b-5, which is the most difficult task, could be done during this meeting and throughout the next three committee meetings.

Ald. Dudzik asked Ms. Walsh if she thinks Mr. Nicolini suggestion is a realistic goal?

Ms. Walsh replied in the affirmative.

*Mr.* Daun asked if this committee will have departments appear when it is reviewing their capital improvement projects?

Mr. Nicolini replied in the affirmative.

*Mr.* Schifalacqua said that it would be very helpful for this committee, after it gets the budget requests, to have the departments appear to give an overview of their request. He said that in the past the due date for departments to submit their budget requests has been at the end of April and asked if that due date could be moved up to the middle of April so that this committee will have a couple of meetings before the May 11th due date to review the requests?

*Mr.* Mantes said he has already given his staff a heads-up on an early request. He said he doesn't know if any of the other departments would be able to, such as the Fire and Police Departments.

*Mr.* Nicolini replied that the Police and Fire buildings improvements are under the purview of this committee, but the operating equipment is not.

Mr. Nicolini asked if an April 7th due date would be feasible?

*Mr.* Schroeder replied in the affirmative. He said most of the departments could accommodate an April 7th due date.

*Mr.* Mantes replied that the current six-year capital improvements plan could be updated by first determining what has been accomplished to date and what is planned to be completed in 2010. That would give the committee a draft six-year capital improvements plan to begin working with.

Ald. Dudzik said that eventually this committee will need to amend the ordinance to add in those capital projects that are not in the purview of this committee.

*Mr.* Nicolini said that the committee meetings that the departments will appear at could last up to three hours and the Department of Public Works will probably need one full meeting.

Ald. Dudzik said that he would like to have the Dept. of Public Works appear and give their presentation at the first committee meeting.

*Mr.* Mantes said he will not be available for April 14th committee meeting. He said the Department of Public Works would be ready to give their presentation at the March 25th committee meeting.

*Mr.* Daun asked *Mr.* Mantes if he thinks the stimulus funding picture is clear enough that will allow the Public Works be pretty firm as to what will be funded or is there a level of uncertainty?

*Mr.* Mantes replied that at this time the Department Public Works is sure on what is going to be built this and next year with the stimulus funding that hae been received. He said it isn't known at this time if a second round of stimulus funding will become available.

#### 4. Discussion and review of capital improvements condition data

Ald. Dudzik referred the members to the condition data report (Exhibit 1) prepared by the Department of Public Works and said that the members should begin reviewing it, because it will be used in future meetings.

*Mr.* Mantes referred members to the water main replacement process in the condition data report and said some of that information will need to be taken into consideration.

Ald. Dudzik said the spreadsheets that the water works provided in the report were put together very well and suggested that other departments adapt that style also.

*Mr.* Schifalacqua said it would be a benefit to this committee if they could have each department appear and give a short presentation on their condition data before the department appears to give their capital improvements request.

Ald. Dudzik replied in the affirmative.

*Mr.* Nicolini suggested that if committee members have questions they should send them to Ms. Walsh and Ms. MacDonald and they could summarize them and forward them on to all committee members.

*Mr.* Nicolini asked if the Department of Public Works could provide information on the street lighting program?

Mr. Mantes replied in the affirmative.

#### 5. Next meeting agenda

*Mr.* Schifalacqua suggested that each department appear to give a presentation on its capital improvement request. He also suggested that each department give a short presentation on their condition data at the next meeting and before the department presents their capital improvements request.

Ald. Dudzik said that he would like to have the Dept. of Public Works appear and give their presentation at the first meeting.

*Mr.* Mantes said the Department of Public Works can give their presentation at the March 25, 2010, meeting.

Meeting adjourned: 9:50 A.M.

Terry J. MacDonald Staff Assistant

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Water Works/DPW



Department of Public Works Infrastructure Services Division Jeffrey Mantes Commissioner of Public Works

Preston D. Cole Director of Operations

February 9, 2010

Capital Improvements Committee Alderman Joseph Dudzik, Chair Common Council Room 205, City Hall

Re: Various Condition ratings, e.g. street pavement rating system, bridge sufficiency index and other data that support Annual Capital Improvements funding requests.

Dear Alderman Dudzik:

Attached please find a binder which enumerates various condition ratings, industry standards and other information presented in alphabetical order for Department of Public Works sections for budget year 2010.

The individual section reports include street pavement condition index (PQI = Pavement Quality Index), bridge sufficiency ratings, number of water mainbreaks, facility condition index and other pertinent data used by sections to support annual capital funding requests. The information is also burnt on a compact disk (CD) and labeled '2010 DPW-Capital Budget and Condition Evaluation Index."

Should there be questions on this matter; Mr. Venu J. Gupta of my staff can be reached at extension 3401.

Sincerely effre# J. Mantes.

Commissioner

Attachment

Cc: Venu J. Gupta Jeffrey S. Polenske

## BRIDGE RECONSTRUCTION CAPITAL PROGRAM

- Synopsis of Sufficiency Ratings and Bridge Safety Inspection
- 2010 Bridge Reconstruction Program
  - State and Federal Aid Program
  - City of Milwaukee Funded Program

Craig Liberto, P.E. Structural Design Manager

### Synopsis of Sufficiency Ratings and Bridge Safety Inspections

Following is a brief synopsis of Sufficiency Ratings and bridge safety inspection.

The Sufficiency Rating (SR) number for a bridge is a Federal Highway Administration (FHWA) method of evaluating bridge data by calculating four separate group factors to obtain a numeric value which is indicative of a bridge's sufficiency to remain in service. The result of this method is a percentage in which 100 percent would represent an entirely sufficient bridge and zero percent would represent an entirely insufficient, or deficient bridge.

In order to obtain federal funding eligibility for rehabilitation or replacement, the bridge must be Structural Deficient or Functionally Obsolete. Quantitatively, this means certain National Bridge Inventory (NBI) ratings must be below various threshold limits. If the SR is from 80 down through 50, the bridge is eligible for rehabilitation. If the SR is less than 50, the bridge is eligible for replacement or rehabilitation.

The FHWA and the Wisconsin Department of Transportation (WisDOT) mandates that bridge structures be inspected every 24 months and a bridge inspection form be filled out and entered into the WisDOT Highway Structures Inventory (HSI) database system. Movable bridges and those that are classified as structural deficient require inspections every 12 months. During the inspection process, the bridge deck, superstructure, and substructure are given an NBI rating. At the end of the calendar year, WisDOT updates the SR for all the bridges in the HSI using the NBI ratings from the prior's year inspection report.

Craig Liberto, P.E. Structural Design Manager

### City Of Milwaukee Bridges 2/27/2008

Sufficiency No. 12/2008

<u>Name</u> <u>Milwaukee River</u>	<u>&gt;80</u> <u>1</u>	<u>8050</u> <u>12</u>	<u>&lt;50</u> <u>3</u>	<u>Rated</u> <u>16</u>	<u>Unrated</u>	<u>TOTAL</u> <u>18</u>
Kinnickinnic River	<u>13</u>	<u>16</u>	<u>3</u>	<u>32</u>	<u>5</u>	<u>37</u>
Menomonee River	<u>16</u>	<u>8</u>	<u>1</u>	<u>25</u>	<u>1</u>	<u>26</u>
Little Menomonee River	<u>5</u>	<u>3</u>	1	<u>9</u>	1	<u>10</u>
Lincoln Creek	<u>9</u>	<u>12</u>	<u>0</u>	<u>21</u>	<u>0</u>	<u>21</u>
Honey Creek	<u>3</u>	<u>4</u>	<u>0</u>	<u>7</u>	<u>1</u>	<u>8</u>
Oak Creek	<u>0</u>	<u>1</u>	<u>0</u>	<u>1</u>	<u>1</u>	<u>2</u>
Union Pacific Railroad	<u>2</u>	<u>14</u>	<u>0</u>	<u>16</u>	<u>5</u>	<u>21</u>
Canadian Pacific Railroad	<u>8</u>	<u>5</u>	<u>2</u>	<u>15</u>	<u>1</u>	<u>16</u>
Pedestrian	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>11</u>	<u>11</u>
Miscellaneous	<u>3</u>	<u>0</u>	<u>2</u>	<u>5</u>	<u>2</u>	7
<u>Total</u> <u>%</u> Total of rated bridge's W/SR>50	<u>60</u> 40.82%	<u>75</u> 51.02%	<u>12</u> <u>8.16%</u>	<u>147</u> 91.84%	<u>30</u> 16.95%	<u>177</u> <u>100.00%</u>

1

### CITY OF MILWAUKEE BRIDGES With Ratings and Suff. No. Based Upon Inspections in 2008 and Reflecting Current Number of Bridges Including 2008 Reconstructions at Year End

CITY BRIDGE	20	DECK	SUPER	SUB STRUCT.		SUFF.	SUFF.	SUFF.	SUFF.
#	UNIT_DESCRIPTION				<u>CULVERT</u>				
_									
100	Broadway, 100 North	6	6	6		71.9	71.9	71.9	71.9
101	Water Street, 400 North	6	7	6		73.2	73.2	73.2	73.2
103	St. Paul Avenue, 100 East	6	6	7		64.8	64.8	64.8	64.8
104	Clybourn Street, 100 East	6	5	6		58.9	58.9	58.9	57.8
105	Michigan Street, 100 East	6	7	6		72.5	72.5	72.5	71,4
106	Wisconsin Avenue, 100 East	3	3	6		23.5	23.5	23.5	23.5
107	Wells Street, 100 West	6	5	6		59.1	59.1	59.1	59.1
108	Kilbourn Avenue, 200 West	0	0	0		25.9	25.9	6.0	BO
109	State Street, 200 West	7	7	7		4.0	4.0	70.3	70.3
110	Juneau Avenue, 200 West	4	4	7		44.0	44.0	44.0	44
111	Cherry Street, 100 West	7	6	7		65.3	70.3	70.3	70,3
112	Pleasant Street, 300 East	4	5	4		49.2	49.2	49.2	49.2
113	Holton Street Viaduct, 1800 N.	5	5	5		86.1	86.1	70.8	70.8
114	Humboldt Avenue, 2000 North	3	6	4		45.2	45.2	45.2	BO
115	North Avenue Viaduct, 1400 E.	6	7	7		68.0	68.0	68.0	68
116	Locust Street Viaduct, 1400 E.	6	7	6		78.4	78.4	78.4	78.4
117	Capitol Drive Viaduct, 1100 E.	6	6	7		81.0	81.0	81.0	81
118	Knapp Street	7	8	7		0.0	72.6	72.6	67.6
	KINNICKINNIC RIVER BRIDGES								
200	Kinnickinnic Avenue, 2000 S.	. 8	7	7		59.0	59.0	59.0	59
201	1st Street, 200 South	5	5	4		49.0	48.0	48.0	48
202	Becher Street, 300 West	5	6	5		83.2	83.2	83.2	92.4
203	Lincoln Avenue, 200 West	6	8	6		95.7	95.7	95.7	95.7
204	1st Street, 2300 South	4	5	6		93.3	80.2	80.2	80.2
205	Chase Avenue, 2600 South	7	8	7		87.6	87.6	87.6	87.6

203	Lincoln Avenue, 200 West	6	8	6		95.7	95.7	95.7	95.7
204	1st Street, 2300 South	4	5	6		93.3	80.2	80.2	80.2
205	Chase Avenue, 2600 South	7	8	7		87.6	87.6	87.6	87.6
206	6th Street, 2700 South	5	4	5		48.0	48.0	48.0	48
210	9th Place, 2700 South	6	7	6		96.3	96.3	96.3	96.3
214	13th Street, 2700 South	6	7	6		76.5	76.5	76.5	76,5
218	16th Street, 2700 South	6	8	6		97.0	97.0	97.0	97
219	Cleveland Avenue, 1800 West	6	8	6		95.1	95.1	95.1	95.1
220	20th Street, 2900 South				5	61.2	61.2	61.2	61.2
221	27th Street, 2900 South	4	6	5		79.2	79.2	79.2	79.2
222	29th Street, 2900 South	3	5	4		62.5	62.5	34.6	BO
224	35th Street, 3000 South	5	5	6		82.3	82.3	82.3	80.2
225	Forest Home Avenue, 3600 West	3	3	3		45.3	48.0	45.3	48
227	43rd Street, 2700 South	7	7	5		61.1	61.1	61.1	81.1
228	Cleveland Avenue, 5900 West					N.R.	N.R.	N.R.	NR
229	Stack Drive, 5900 West					N.R.	N.R.	N.R.	NR
230	55th Street, 3400 South					N.R.	N.R.	N.R.	NR
231	Lakefield Drive, 3000 West				6	71.7	71.7	71.7	71.7
233	Morgan Avenue, 2900 West				6	80.4	80.4	80.4	80.4
234	27th Street, 3500 South				6	67.0	67.0	67.0	67
235	Howard Avenue, 2500 West				6	87.4	87.4	87.4	87.4
236	20th Street, 4000 South				5	68.7	68.7	68.7	68,7
237	Plainfield Avenue, 2200 West				6	97.9	97.9	97.9	97.9
238	Bolivar Avenue, 2300 West				6	74.2	74.2	74.2	74.2
239	13th Street, 4300 South				6	80.0	80.0	80.0	80
240	6th Street, 4500 South				6	95.4	95.4	95.4	95.4
241	5th Street, 4600 South				6	74.4	74,4	74.4	74.4
242	Layton Avenue, 200 West				6	75.8	75.8	75.8	75.8
243	Layton Avenue, 100 West				6	61.7	61.7	61.7	61.7
244	6th Street, 5200 South				6	73.7	73.7	73.7	73.7
245	20th Street, 4100 South				6	80.1	80.1	80.1	80.1
247	Howell Avenue, 4800 South				6	76.1	76.1	77.5	76.1
248	Oklahoma Avenue, 3000 West				6	77.5	77.5	77.5	77.5
249	Lincoln Avenue, 4200 West					N.R.	N.R.	N.R.	NR

CITY BRIDGE				STRUCT.			SUFF.		
<u>#</u>	UNIT DESCRIPTION	RATING	RATING	RATING	CULVERT	<u>NO 2005</u>	<u>NO 2006</u>	<u>NO 2007</u>	<u>NO 2008</u>
	MENOMONEE RIVER BRIDGES								
300	Plankinton Avenue, 100 West	6	5	6		60.8	60.8	60.8	60.8
301	6th Street Viaduct, South Cable	7	7	7		91.6	91.6	91.6	91.6
<u>30</u> 1	6th Street Viaduct, South Bascule	8	8	8		91.6	86.6	86.6	86.6
301	6th Street Viaduct, North Approach	7	7	7		91.6	86.4	86.4	88,4
<u>30</u> 1	6th Street Viaduct, North Bascule	7	7	7		86.6	86.6	86.6	86.8
<u>30</u> 1	6th Street Viaduct, North Cable	7	7	7		91.6	91.6	91.6	91.6
302	11th Street, 600 South	6	8	7		83.2	83.2	83.2	83.2
303	Emmber Lane, 100 North	7	8	8		85.1	85.1	85.1	65.1
304	16th Street Viaduct, 400 North	6	7	6		93.4	93.4	93.4	93.4
304	16th Street Viaduct, 400 North	7	7	7		92.4	92.4	92.4	92.4
304	16th Street Viaduct, 400 North	7	7	6		93.4	93.4	93.4	93.4
304	16th Street Viaduct, 400 North	7	7	6		93.4	93.4	93.4	93.4
304	16th Street Viaduct, 400 North	7	6	6		89.3	89.3	89.3	91.3
304	16th Street Viaduct, 400 North	7	6	6		89.3	89.3	89.3	91.3
304	16th Street Viaduct, 400 North	7	6	6		93.4	93.4	93.4	93,4
304	16th Street Viaduct, 400 North	7	6	6		93.4	93.4	93.4	93,4
304	16th Street Viaduct, 400 North	7	6	6		93.4	93.4	93.4	93.4
304	16th Street Viaduct, 400 North	7	7	6		92.9	92.9	92.9	92.8
304	16th Street Viaduct, 400 North	7	7	6		92.9	92.9	92.9	92.9
304	16th Street Viaduct, 400 North	7	6	6		88.8	88.8	88.8	90.9
304	16th Street Viaduct, 400 North	7	6	7		92.9	92.9	92.9	92.9
304	16th Street Viaduct, 400 North Bascule	6	4	6		81.3	81.3	64.2	64.2
304	16th Street Viaduct, 400 North	7	6	7		92.9	92.9	92.9	92.9
304	16th Street Viaduct, 400 North	7	6	7		88.8	88.8	88.8	90.9
304	16th Street Viaduct, 400 North	7	7	7		92.9	92.9	92.9	92.9
304	16th Street Viaduct, 400 North Ramp	7	7	7		79.6	79.6	79.6	79.6
304	16th Street Viaduct, 400 North Ramp	7	7	7		79.6	79.6	79.6	79.6
304	16th Street Viaduct, 400 North Ramp	7	7	7		79.6	79.6	79.6	79.6
304	16th Street Viaduct, 400 North Ramp	7	7	7		79.6	79.6	79.6	79.6
305	27th Street Viaduct, 400 North	7	7	7		83.8	83.8	83.8	86.6
305	27th Street Viaduct, 400 North	7	6	7		88.3	88.3	88.3	88.3
205	27th Street Viaduct 400 North	7	7	7		83.8	83.8	93.9	97.2

303	Emmber Lane, 100 North	7	8	8		85.1	85.1	85.1	65.1	
304	16th Street Viaduct, 400 North	.6	7	6		93.4	93.4	93.4	93.4	
304	16th Street Viaduct, 400 North	7	7	7		92.4	92.4	92.4	92.4	
304	16th Street Viaduct, 400 North	7	7	6		93.4	93.4	93.4	93.4	
304	16th Street Viaduct, 400 North	7	7	6		93.4	93.4	93.4	93.4	
304	16th Street Viaduct, 400 North	7	6	6		89.3	89.3	89.3	91.3	
304	16th Street Viaduct, 400 North	7	6	6		89.3	89.3	89.3	91.3	
304	16th Street Viaduct, 400 North	7	6	6		93.4	93.4	93.4	93,4	
304	16th Street Viaduct, 400 North	7	6	6		93.4	93.4	93.4	93,4	
304	16th Street Viaduct, 400 North	7	6	6		93.4	93.4	93.4	93.4	
304	16th Street Viaduct, 400 North	7	7	6		92.9	92.9	92.9	92.8	
304	16th Street Viaduct, 400 North	7	7	6		92.9	92.9	92.9	92.9	count as 1
304	16th Street Viaduct, 400 North	7	6	6		88.8	88.8	88.8	90.9	
304	16th Street Viaduct, 400 North	7	6	7		92.9	92.9	92.9	92.9	
304	16th Street Viaduct, 400 North Bascule	6	4	6		81.3	81.3	64.2	64.2	
304	16th Street Viaduct, 400 North	7	6	7		92.9	92.9	92.9	92.9	
304	16th Street Viaduct, 400 North	7	6	7		88.8	88.8	88.8	90.9	
304	16th Street Viaduct, 400 North	7	7	7		92.9	92.9	92.9	92.9	
304	16th Street Viaduct, 400 North Ramp	7	7	7		79.6	79.6	79.6	79.6	7
304	16th Street Viaduct, 400 North Ramp	7	7	7		79.6	7 <del>9</del> .6	79.6	79.6	count as 1
304	16th Street Viaduct, 400 North Ramp	7	7	7		79.6	79.6	79.6	79.6	
304	16th Street Viaduct, 400 North Ramp	7	7	7		79.6	79.6	79.6	79.6	
305	27th Street Viaduct, 400 North	7	7	7		83.8	83.8	83.8	86.6	-
305	27th Street Viaduct, 400 North	7	6	7		88.3	88.3	88.3	88.3	
305	27th Street Viaduct, 400 North	7	7	7		83.8	83.8	83.8	87.2	count as 1
305	27th Street Viaduct, 400 North	7	7	7		83.8	83.8	83.8	88.1	oount as .
305	27th Street Viaduct, 400 North	7	7	7		83.8	83.8	83.8	86.1	
306	35th Street Viaduct, 400 North	5	7	6		81.0	82.7	80.4	80.4	
307	Bluemound Road, 4100 West	8	8	7		88.4	87.1	87.1	87.1	
308	Wisconsin Av. Viaduct, 4100 W.	5	6	6		88.5	88.5	86.3	86.3	
309	45th Street, 900 North	4	5	5		60.7	60.7	60.7	60.7	
311	Burleigh St., 9900 West (S/S)	5	6	6		88.9	88.9	88.9	88,9	
311	Burleigh St., 9900 West (N/S)	5	6	6		88.9	88.9	88.9	88.9	
312	Capitol Drive, 10500 West	4	4	6		36.0	36.0	36.0	36	
313	124th Street, 5300 North	6	8	8		77.1	77.1	77.1	77.1	
314	Mill Road, 12400 West	8	8	9		92.7	94.0	92.7	92.7	
315	Good Hope Road, 11500 West (E)	7	8	8		78.0	78.0	78.0	78	count as 1
315	Good Hope Road, 11500 West (W)	7	8	8		79.0	79.0	79.0	79	
316	Bradley Road, 11500 West				8	81.2	81.2	81.2	81.2	(
317	50th Place, 950 North	0	0	0		Bridge Closed	Bridge Closed	B.C.	B.C.	
318	25th Street, 100 North	5	7	6		80.0	80.0	80.0	80	
319	Canal Street	8	8	8		0.0	Missing From System > 80	75.7	97.1	
			t				00		37.1	

CITY BRIDGE <u>#</u>

#### SUPER SUB

DECK STRUCT. STRUCT. SUFF. SUFF. RATING RATING RATING CULVERT NO 2005 NO 2006 NO 2007 NO 2008

SUFF. SUFF.

#### UNIT DESCRIPTION LITTLE MENOMONEE RIVER

	BRIDGES								
400	Burbank Avenue, 6800 North				6	84.8	84.8	84.8	84.8
401	Denver Avenue, 8100 West fla				6	75.3	75.3	75.3	75.3
402	Green Tree Road, 7400 West				6	90.2	90.2	90.2	90.2
403	Acacia Street, 7400 West				6	90.3	90.3	90.3	90,3
404	Calumet Road, 9200 West	6	6	4		69.3	69.3	69.3	69.3
405	Bradley Road, 9200 West	9	9	9			Missing From System >80	98.4	98.4
406	County Line Road, 10400 West					N.R.	N.R.	N.R.	NR
407	Granville Road, 7200 North	3	3	4		22.4	22.4	22.4	22.4
408	Hastings Street, 6700 North				6	99.8	99.8	99.8	99.8
410	N. 91st Street, 6750 North				7	82.0	74.0	74.0	74

#### LINCOLN CREEK BRIDGES

500	Green Bay Avenue, 5400 North	8	7	6		66.8	66.8	66.8	66.8
501	Villard Avenue, 2300 West	4	5	6		62.1	62.1	62.4	63,6
502	Teutonia Avenue, 5100 North	6	6	6		62.8	62.8	62.8	61.8
502b	Teutonia Avenue, 5100 North Bypass				8	97.0	97.9	97.9	97.9
503	Cameron Avenue, 3100 West	4	7	6		73.6	73.6	73.6	73.6
504	Hampton Avenue, 3200 West	4	7	5		79.3	79.3	79.3	79.3
505	32nd Street, 4700 North				8	78.3	78.3	78.3	78.3
507	35th Street, 4400 North	8	6	6		85.1	85.1	85.1	85.1
507b	35th Street, 4400 North Bypass				8	97.0	94.9	94.9	94
509	Sherman Boulevard, 4400 North	10			8	93.7	93.7	93.7	93.7
510	Glendale Avenue, 4600 West	8	8	7	1	64.9	96.9	96.9	98,9
511	51st Street, 5100 North	4	5	6		82.4	82.4	82.4	65.9
512	60th Street, 4700 North	5	6	5		74.2	74.2	74.2	74.2
513	Hampton Avenue, 6300 West	6	6	6	1	93.5	93.5	93.5	92.5
514	Villard Avenue, 6400 West				6	73.2	73.2	73.2	73.2
515	60th Street, 5400 North				6	78.9	78.9	78.9	78.9
516	Silver Spring Drive, 5700 West				5	65.0	65.0	65.0	65
517	Green Tree Road, 5100 West				8	83.9	83.9	83.9	83.9
518	60th Street, 4600 North				6	78.9	78.9	78.9	78.9
520	Woolworth Avenue, 5100 West				9	Missing From System	Missing From System	84.9	84.9
521	51st Street, 6350 North			3	9	Missing From System	83.0	83.0	83

#### HONEY CREEK BRIDGES

600	Bluemond Road, 8000 West	6	5	6		TOSA INSPECT	53.6	53.6***	53.6
602	84th Street, 100 South	4	4	4		52.0	52.0	52.0	52
602b	84th Street, 100 South bypass				6				NR
604	72nd Street, 3200 South				5	77.7	77.7	77.7	61,5
605	Morgan Avenue, 6900 West				6	80.8	80.8	80.8	80.8
606	68th Street, 3700 South				6	80.8	80.8	80.8	80
607	Howard Avenue, 6500 West				6	95.9	95.9	95.9	95.9
608	60th Street, 4300 South				6	79.3	79.3	79.3	79.3

#### OAK CREEK BRIDGES

700 Ramsey Avenue, 1600 West		N.R.	N.R.	N.R.	NR
701 13th Street, 6200 South	5	78.8	78.8	78.8	78.8

Page 3

CITY BRIDGE <u>#</u>

UNIT DESCRIPTION

#### SUPER SUB DECK STRUCT. STRUCT.

SUFF. SUFF. SUFF. SUFF. RATING RATING RATING CULVERT NO 2005 NO 2006 NO 2007 NO 2008

#### UNION PACIFIC RAILROAD BRIDGES

	DRIDGES		10				212 C		
802	35th Street Viaduct, 2700 S.	6	7	7	71.2	72.3	72.3	72.3	
803	Forest Home Ave., 3300 W.(S)	6	8	7	76.2	76.2	72.6	75.2	count as 1
803	Forest Home Ave., 3300 W.(N)	6	8	6	76.6	76.6	72.1	75.6	
804	29th Street, 2800 South	3	3	4	46.1	46.1	46.1	BO	
805	27th Street, 2800 South	6	8	4	46.7	46.7	46.7	60.8	
806	20th Street, 2800 South	5	5	5	82.0	82.0	82.0	94.3	
807	16th Street, 2800 South	6	8	8	73.7	73.7	73.7	73.7	
808	13th Street, 2800 South	8	8	8	73.4	73.4	73.4	76,5	
809	9th Place, 2800 South	5	7	5	84.8	84.8	84.8	95.9	
811	Oklahoma Ave., 200 West (S)	7	7	7	77.1	77.1	77.1	71.1	count as 1
811	Oklahoma Ave., 200 West (N)	7	7	7	77.1	77.1	77.1	<b>71.</b> 1	
812	Chase Avenue, 3300 South	5	5	5	80.0	80.0	80.0	77.9	1
813	Whitnall Avenue, 3400 South	4	5	6	59.6	59.6	59.6	59.6	
814	Howell Avenue, 3400 South	4.	5	6	75.8	75.8	75.8	75.8	
820	Lincoln Ave. Viaduct, 1500 E.	4	5	4	63.6	63.6	63.6	63.6	
823	Lincoln Avenue, 100 East				N.R.	N.R.	N.R.	NR	
824	Becher Street, 100 East				N.R.	N.R.	N.R.	NR	
825	Kinnickinnic Avenue, 1900 South				N.R.	N.R.	N.R.	NR	
826	Greenfield Avenue, 200 East				N.R.	N.R.	N.R.	NR	
831	Prospect Avenue, 2100 North	4	6	6	73.5	63.3	63.3	67.7	
832	Farwell Avenue, 2150 North	8	8	6	77.8	77.8	77.8	77.8	
839	Teutonia Avenue, 6300 North	3	6	4	41.9	41.9	43.1	77.9	]
842	Lovers Lane Road, 5700 North fla (115th)	4	4	6	64.1	64.1	64.1	64.1	

#### CANADIAN PACIFIC RAILROAD

	BRIDGES					and the second		
900	Grange Avenue, 1000 West	5	6	6	94.9	94.9	94.9	94.9
920	70th Street, 700 South	4	6	5	54.9	54.9	54.9	54.9
924	Bluemound Rd. Viaduct, 4300 W.	6	8	7	80.8	80.8	80.8	89.8
925	Hawley Road Viaduct, 900 North	7	8	7	36.0	70.5	68.2	66.2
925	Ramp State Street	7	8	7	31.7	88.9	88.9	91.9
927	Highland Boulevard, 4100 West	5	3	3	17.9	17.9	17.9	BO
928	35th Street, 1300 North	5	8	7	68.6	68.6	68.6	68.6
929	Vliet Street, 3300 West	4	4	7	63.5	63.5	63.5	63,5
930	Cherry Street, 3200 West	7	7	8	98.9	98.9	98.9	98.9
931	Galena Street, 3100 West	7	7	8	93.0	93.0	93.0	93
932	Walnut Street, 3100 West	8	8	7	89.7	89.7	89.7	93.8
933	Lisbon Avenue, 3100 West	4	4	4	59.8	59.8	59.8	40.9
934	Brown Street, 3100 West	4	4	5	55.3	55.3	55.3	55.3
935	North Avenue, 3100 West	4	4	4	 50.9	50.9	50.9	32
947	25th Street, 100 North	7	7	6	81.0	81.0	81.0	81
950	Canal Street	8	8	8	0.0	Missing From System >80	75.7	99.1

CITY BRIDGE <u>#</u>

	SUPER	SUB
DECK	STRUCT.	STRUCT.

SUFF. SUFF. SUFF. SUFF. RATING RATING RATING CULVERT NO 2005 NO 2006 NO 2007 NO 2008

UNIT DESCRIPTION

#### PEDESTRIAN UNDERPASSES AND FOOT BRIDGES

1000	Quincy Avenue, 3500 South	N.R.	N.R.	N.R.	NR
1001	60th Street, 2800 South	N.R.	N.R.	N.R.	NR
1005	Stark Street, 6400 West	N.R.	N.R.	N.R.	NR
1008	31st Street, 2700 South	N.R.	N.R.	N.R.	NR
1011	Seeboth Street, 150 West (Tunnel)	N.R.	N.R.	N.R.	NR
1015	8th Street, 2700 South	N.R.	N.R.	N.R.	NR
1016	11th Street, 2700 South	N.R.	N.R.	N.R.	NR
1017	15th Street, 2700 South	N.R.	N.R.	N.R.	NR
1018	Highland Avenue, 100 West	N.R.	N.R.	N.R.	NR
1020	Holton Street Marsupial	N.R.	N.R.	N.R.	NR
1021	North Avenue Dam	N.R.	N.R.	N.R.	NR

#### **MISCELLANEOUS BRIDGES**

1102	Dana Court, 100 South	4	5	5	8	4.0 84.0	84.0	84
1103	Humboldt Avenue, 2100 North	4	4	5	3	8.7 38.7	38.7	80
1104	Port Washington, 4000 North	5	5	6	8	1.3 81.3	81.3	81.3
1105	Teutonia Avenue, 5600 North	4	4	6	5	3.0 <u>53.0</u>	53.0	NR
1106	Sherman Boulevard, 5600 North	5	5	2	34	4.7 34.7	47.3	45.2
1107	Green Bay Avenue, 5600 North	7	8	6	9'	1.9 91.9	91.9	91.9
1109	Cleveland Avenue, 2400 West	6	6	6	4	8.0 48.0	48.0	48

BEAVER CREEK						
1200 70th Street North	0	0	0	6	NR NR	NR

SUFFICIENCY GREATER THAN 80 SUFFICIENCY OF 80 TO 50 SUFFICIENCY LESS THAN 50 NOT RATED BRIDGE OUT


## Capital Improvement Request Form Part I

C

Pro	BRIDGE PROGRAM, bject/Program Title: STATE AND FEDERAL AID Requesting Department: DPW
	pared By/Phone Ext: CRAIG LIBERTO / X-3294 Department Head Signature:
	count No: BR300090000
A)	Department Priority of Useful Life 70 Years Level of Need V Essential V Important Desired
~	
	Type of Projec1       New       Image: Replacement       Image: Project/Program Scope       Image: Fully Defined       Image: Project/Program Scope         Image: Image: Defined Image: Project/Program Scope       Image: Project/Project/Program Scope       Image: Project/Project/Project/Project/Project/Project/Project/Project/Project/Project/Project/Project/Project/Project/Project/Pro
B)	Description         Infrastructure         Street Related       Sewer         Street Related       Sewer         Street Related       Sewer         Street Related       Sewer         Bidewalks       Alleys         Bridge       Environmental         Building       Sewer
	Roof Windows HVAC Electrical Restroom Security Exterior Entire Facility
	ADA Office Remodeling New Building Elevators Garage Mechanical
	Miscellaneous Development
C)	Project/Program Duration         One Year       ✓ Yes         On-Going Program       ✓ Yes         No         Multi-Year       ✓ Yes         No
D)	Total Positions Total FTEs
5,	Position Title         No. of Positions         FTEs         Salaries         \$
E)	In Six Year CapItal Improvement Plan         Yes       ✓ 2008-2013       ✓ 2009-2014       ✓ Yes, Modified       New Request
F)	Project/Program Justification Refer to 2010 DPW Capital Improvement Project/Program Description
G)	Additional Comments

### **Capital Improvement Request Part II**

#### Requesting Departmen\_DPW / INFRASTRUCTURE / FIELD OPERATIONS

Project/Program Title: BRIDGE	PROGRAM, STAT	E AND FEDERAL		Account	No: BR300090	000	
Year	Tax Levy/Borrowin	g Grant & Aid	Rev	enue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2010	\$2,668,000	\$8,672,000	1	50	\$0	\$0	\$t1,340,000
2010 Budget Request	\$0	\$0	\$50	0,000			\$500,000
201 t Projection	\$966,000	\$5,799,000	1				\$6,765,000
2012 Projection	\$2,700,000	\$10,800,000					\$13,500,000
2013 Projection	\$1,248,000	\$4,992,000					\$6,240,000
2014 Projection	\$1,400,000	\$5,600,000					\$7,000,000
2015 Projection	\$2,200,000	\$8,800,000					\$11,000,000
Total Six Year Cost	\$8,514,000	\$35,99 t,000	\$50	0,000	\$0	\$0	\$45,005,000
Total Project Cost	\$1 t, t82,000	\$44,663,000	\$50	0,000	\$0	\$0	\$56,345,000
Life to Date Expenditures (Project Only)	\$0	\$0	1	\$0	\$0	\$0	\$0
Thorough Cost Estimate	2011       Image: Constraint of the second seco	2012 20 <sup>-</sup>	] ]	2014 	2015		
Were cost estimates confirmed by anothe Are cost estimates based on industry star Will city employees be performing any po Did you perform a cost/benefit analysis?	Yes   No     Yes   No     Yes   No     Yes   No     Yes   No	Uncertain Uncertain					
How will this project impact city operating	expenditures?	🗌 Increase	Decrease	None			
Estimated Start Date: Vi	aries						
Estimated Completion Date Vi	aries						
		Department Head	Signature	<u></u>	······		
		Prepared By/Phon	e Ext	CRAIG L	IBERTO / X-3294	4	

Note: No funds are being requested in 2010 because the anticipated carryover funds from 2009 should cover the projected needs in 2010. The associated grant and aid portion of the project cost would also be carried over into 2010.

### 2010 DPW CAPITAL IMPROVEMENT PROJECT/PROGRAM DESCRIPTION

DIVISION/ SECTION INFRASTRUCTURE SERVICES DIVISION / FIELD OF DATE PREPARED BY/PHONE March 17, 2009 CRAIG LIBERTO / X-3294 PROJECT/PROGRAM DESCRIPTION AND JUSTIFICATION One of the goals listed in the strategic plan for the Infrastructure S										
INFRASTRUCTURE SERVICES DIVISION / FIELD OF DATE PRÉPARED BY/PHONE March 17, 2009 CRAIG LIBERTO / X-3294 PROJECT/PROGRAM DESCRIPTION AND JUSTIFICATION One of the goals listed in the strategic plan for the Infrastructure S	Services Division is to provide safe, attractive and efficient surface public									
DATE PREPARED BY/PHONE March 17, 2009 CRAIG LIBERTO / X-3294 PROJECT/PROGRAM DESCRIPTION AND JUSTIFICATION One of the goals listed in the strategic plan for the Infrastructure S	Services Division is to provide safe, attractive and efficient surface public									
March 17, 2009 CRAIG LIBERTO / X-3294 PROJECT/PROGRAM DESCRIPTION AND JUSTIFICATION One of the goals listed in the strategic plan for the Infrastructure S	Services Division is to provide safe, attractive and efficient surface public									
PROJECT/PROGRAM DESCRIPTION AND JUSTIFICATION One of the goals listed in the strategic plan for the Infrastructure S	Services Division is to provide safe, attractive and efficient surface public									
One of the goals listed in the strategic plan for the Infrastructure S										
condition rating of 50.	valuate the bruge program is the percent of bruges rated above a									
This Bridge Program Is necessary to meet the following objectives	S:									
2. Reduce the property tax levy necessary to maintain and presen 3. Provide for the efficient movement of vehicles, people and com-	<ol> <li>Preserve and maintain a bridge system at a standard considered safe for motorists and pedestrians, which meets the needs of the City.</li> <li>Reduce the property tax levy necessary to maintain and preserve the bridge system.</li> <li>Provide for the efficient movement of vehicles, people and commodities.</li> <li>Improve and expand the bridge system thereby fostering residential and commercial development, which raises property values and allows the City to grow and prosper.</li> </ol>									
Federal Funds to assist the City with financing bridge rehabilitation projects eligible for Federal and/or State Aid Programs and the tot	Federal Aid Transportation and most are eligible for State, County and/or on and reconstruction improvements. The local share of total costs of tal cost of projects not eligible for aid are budgeted with the Bridge e current Bridge Program will be funded using State, Federal, and other									
capital improvement requests into one program allows better coor	Various maintenance activitles have been incorporated into the Bridge Capital Improvement Request. Incorporation of all major bridge capital improvement requests into one program allows better coordination of efforts to maintain and improve bridges, reduces work in preparing and reviewing the capital budgets, avoids duplication of effort and allows more flexibility in the administration of the Bridge Program.									
Program. The Bridge Program assures a level of expenditures for bridge improvements that are consistent with the ability to finance improvements that are necessary to preserve the City's bridges system. The preservation and expansion of the City's street and bridge system are vital to the safe and efficient movement of people, vehicles, and commodities. Improving and expanding the transportation system promotes economic development and Increases property values. Preservation and expansion projects having favorable land use, economic, safety, pollution, travel time and energy conservation Impacts benefit both users and non-users of the transportation system. Benefits experienced by non-users include reduced noise and all pollution, a more aesthetically pleasing bridge system, potential increases in real estate values and an increase in construction jobs. The primary Impact, however, is the positive change to the job market due to an improved transportation system.										

### BRIDGE PROGRAM, STATE AND FEDERAL AID, PARENT ACCOUNT

Funds Available 01-01-09 in Parent Account	
Carryover Unencumbered Balance (Bridge Program, State and Federal Aid)	\$3,020,395.72
Appropriation for 2009	
Tax Levy - Cash Other Revenues New Borrowing (Bridge Program, State and Federal Aid)	0.00 0.00 762,000.00
Subaccount Close-outs (estimated)	17,604.28
TOTAL FUNDS AVAILABLE	\$3,800,000.00
Estimated 2009 expenditures and carryover	
Fund Transfers from Parent Fund from 01-01-09 to 03-06-09 Remaining 2009 Needs (Bridge Program) - Attachment 1 Revenues Not Received	\$0.00 1,132,000.00 0.00
TOTAL EXPENDITURES	<u>\$1,132,000.00</u>
2009 ASSUMED CARRYOVER	<u>\$2,668,000.00</u>

### ATTACHMENT 1 BRIDGE PROGRAM, STATE AND FEDERAL AID 2009 FUNDING NEEDS FROM PARENT ACCOUNTS (AMOUNTS SHOWN IN 1000'S OF DOLLARS)

	PROJECT	TOTAL PROJECT COST	GRANTOR'S COST	REVENUE	ASSESS- ABLE	NON ASSESS- ABLE
STP BR	West Hampton Avenue over Lincoln Creek Construction	2,010	1,608	0	0	402
STP BR	North 45th Street Bridge over Menomonee River Additional Prelim. Engineering	60	48	0	0	12
STP BR	West Villard Avenue over Lincoln Creek Design	300	240	0	0	60
STP BR	South Whitnall Avenue over Union Pacific Railroad Design	290	232	0	0	58
STP BR	Various Project Design & Constr. Shortfalls	2,265	1,812	0	0	453
STP JR	Shortfall for Closeouts Pending Resolution #081421	735	588	0	0	147
	TOTALS	5,660	4,528	0	0	1,132

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#### INFRASTRUCTURES SERVICES DIVISION 2010 BRIDGE PROGRAM, STATE AND FEDERAL AID (AMOUNTS SHOWN IN 1000'S OF DOLLARS)

Projects are listed in construction funding order

C	PROJECT	2010	2011	20 t2	2013	2014	2015	REVENUE & GRANT	6 YEAR TOTAL	REMARKS
	East Lincoln Avenue Viaduct over Union Pacific Railroad	1150						4600	5750	Construction: Renovation, painting, deck repl. Design previously funded 80/20 State/City share 80/20 funds Sufficiency Rating 63.6 Project Risk: Complex; Major deck repl., traffic control, work over railroad
	South Howell Avenue over Union Pacific Railroad	276						1104	1380	Construction: Renovation, painting, deck repl. Design previously funded 80/20 in 2007 State/City share 80/20 funded Sufficiency Rating 75.8 Project Risk: Low
	West County Line Road over Little Menom, River	500						500	1000	Construction: Bridge replacement Design previously funded 50/50 in 2008 Mequon funding 50% Project Risk: Complex; Bridge repl., intergovemmental agreement & waterway issues
	South Whitnall Avenue over Union Pacific Railroad	290						1160	1450	Construction: Bridge rehabilitation State/City share 80/20 fundad Sufficiency Rating 59.6 Project Risk: Low
	West North Avenue over Canadian Pacific Railway	52						208	260	Additional Preliminary Engineering: Bridge repl Design previously funded 80/20 in 2007 State/City share 80/20 funded Sufficiency Rating 32.0 Project Risk: Complex; Bridge rapl., work over railroad
C	Vest Granville Road .ver Little Menomonee River		85					340	425	Construction: Bridge replacement Design previously funded 80/20 State/City share 80/20 funded Sufficiency Rating 22.4 Project Risk: Complex; Bridge repl., real estate & waterway issues
	North 45th Street Bridge over Menom. River		126					504	630	Construction: Renovation, painting, deck repl. Design previously funded 80/20 in 2007 State/City share 80/20 funds Sufficiency Rating 60.7 Project Risk: Complex; Unique access & scheduling issues 10 landlock adjacent businesses
	West Capitol Drive over Menomonee River	4	25				-	2035	2060	Construction: Bridge replacement Design previously funded 75/25 100% State funded Sufficiency Rating 36.0 Project Risk: Complex: Bridge repl. traffic control & waterway issues
	West Villard Avenue over Lincoln Creek		330					1320	1650	Construction: Renovation, painting, deck repl. State/City share 80/20 funds Sufficiency Rating 73.2 Project Risk: Low
	West Wisconsin Avenue Lift Bridge over Milwaukee River			2000				8000	10000	Construction: Movable bridge rehabilitation Design previously funded 80/20 in 2008 Constr. 100% State funding Sufficiency Rating 23.5 Construction funding needs to be acquired. Project Risk: Complex; Movable bridge rehab.
Ç	South 6th Street ver Kinnickinnic River			300				1200	1500	Construction: Bridge replacement Design funded 100% by MMSD State/City share 80/20 funds Sufficiency Rating 48.0 Construction funding needs to be acquired. Project Risk: Complex; Bridge repl.

#### INFRASTRUCTURES SERVICES DIVISION 20 to BRIDGE PROGRAM, STATE AND FEDERAL AID (AMOUNTS SHOWN IN 1000'S OF DOLLARS)

Projects are listed in construction funding order

PROJECT	2010	2011	20 t2	20t3	2014	2015	REVENUE & GRANT	6 YEAR TOTAL	REMARKS
West North Avenue over Canadian Pacific Railway				448			1792	2240	Construction: Bridge replacement Design previously funded 80/20 in 2007 State/City share 80/20 funded Sufficiency Rating 32.0 Construction funding needs to be acquired. Project Risk: Complex; Bridge repl., work over railroad
Various Bridges (To be determined based on future sufficiency ratings and applied for in 2013-2015 WisDOT funding cycle)				400		600	4000	5000	Design: Bridge rehab. or repl. State/City share 80/20 funded Design funding needs to be acquired.
Various Bridges (To be determined based on future sufficiency ratings and applied for in 2013-2015 WisDOT funding cycle)					1000	t200	8800	11000	Construction: Bridge rehab. or repl. State/City share 80/20 funded Construction funding needs to be acquired.
Various Projects Design & Constr, Shortfalls	400	400	400	400	400	400	9600	12000	Bridge Program engineering & construction
TOTALS BRIDGE, STATE & FED.	2668	966	2700	t248	1400	2200	45163	56345	

### ATTACHMENT 2 BRIDGE PROGRAM, STATE AND FEDERAL AID 2010 BUDGET SUMMARY (AMOUNTS SHOWN IN 1000'S OF DOLLARS)

	PROJECT	TOTAL PROJECT COST	GRANTOR'S COST	REVENUE	ASSESS- ABLE	NON ASSESS- ABLE
STP BR	East Lincoln Viaduct over Union Pacific Railroad Construction	5,750	4,600	0	0	1,150
STP BR	South Howell Avenue over Union Pacific Railroad Construction	1,380	1,104	0	0	276
В	West County Line Road over Little Menomonee River Construction	1,000	0	500	0	500
STP BR	South Whitnall Avenue over Union Pacific Railroad Construction	1,450	1,160	0	0	290
STP BR	West North Avenue over Canadian Pacific Railway Design	260	208	0	0	52
نی BR	Various Projects Design & Constr. Shortfalls	2,000	1,600	0	0	400
	TOTALS	11,840	8,672	500	0	2,668

### ATTACHMENT 2 BRIDGE PROGRAM, STATE AND FEDERAL AID 2011 BUDGET SUMMARY (AMOUNTS SHOWN IN 1000'S OF DOLLARS)

	PROJECT	TOTAL PROJECT COST	GRANTOR'S COST	REVENUE	ASSESS- ABLE	NON ASSESS- ABLE
STP BR	West Granville Road over Little Menomonee River Construction	425	340	0	0	85
STP BR	North 45th Street Bridge over Menomonee River Construction	630	504	0	0	126
STP-CH BR	West Capitol Drive over Menomonee River Construction	2,060	2,035	0	0	25
STP BR	West Villard Avenue over Lincoln Creek Construction	1,650	1,320	0	0	330
STP BR	Various Projects Design & Constr. Shortfalls	2,000	1,600	0	0	400
-	TOTALS	6,765	5,799	0	0	966

### ATTACHMENT 2 BRIDGE PROGRAM, STATE AND FEDERAL AID 2012 BUDGET SUMMARY (AMOUNTS SHOWN IN 1000'S OF DOLLARS)

	PROJECT	TOTAL PROJECT COST	GRANTOR'S COST	REVENUE	ASSESS- ABLE	NON ASSESS- ABLE
STP BR	W. Wisconsin Ave. Lift Bridge over Milwaukee River Construction	10,000	8,000	0	0	2,000
STP BR	South 6th Street over Kinnickinnic River Construction	1,500	1,200	0	0	300
STP BR	Various Projects Design & Constr. Shortfalls	2,000	1,600	0	0	400
	TOTALS	13,500	10,800	0	0	2,700

### ATTACHMENT 2 BRIDGE PROGRAM, STATE AND FEDERAL AID 2013 BUDGET SUMMARY (AMOUNTS SHOWN IN 1000'S OF DOLLARS)

	PROJECT	TOTAL PROJECT COST	GRANTOR'S COST	REVENUE	ASSESS- ABLE	NON ASSESS- ABLE
STP BR	West North Avenue over Canadian Pacific Railway Construction	2,240	1,792	0	0	448
STP BR	Various Projects Design	2,000	1,600	0	0	400
STP BR	Various Projects Design & Constr. Shortfalls	2,000	1,600	0	0	400
	TOTALS	6,240	4,992	0	0	1,248

### ATTACHMENT 2 BRIDGE PROGRAM, STATE AND FEDERAL AID 2014 BUDGET SUMMARY (AMOUNTS SHOWN IN 1000'S OF DOLLARS)

	PROJECT	TOTAL PROJECT COST	GRANTOR'S COST	REVENUE	ASSESS- ABLE	NON ASSESS- ABLE
STP BR	Various Projects Construction	5,000	4,000	0	0	1,000
STP BR	Various Projects Design & Constr. Shortfalls	2,000	1,600	0	0	400
	TOTALS	7,000	5,600	0	0	1,400

#### ATTACHMENT 2 BRIDGE PROGRAM, STATE AND FEDERAL AID 2015 BUDGET SUMMARY (AMOUNTS SHOWN IN 1000'S OF DOLLARS)

	PROJECT	TOTAL PROJECT COST	GRANTOR'S COST	REVENUE	ASSESS- ABLE	NON ASSESS- ABLE
STP BR	Various Projects Design	3,000	2,400	0	0	600
STP BR	Various Projects Construction	6,000	4,800	0	0	1,200
STP BR	Various Projects Design & Constr. Shortfalls	2,000	1,600	0	0	400
	TOTALS	11,000	8,800	0	0	2,200

## Capital Improvement Request Form Part I

Pro	oject/Program Titie: BRIDGE PROGRAM, LOCAL Requesting Department: DPW
Pre	epared By/Phone Ext: CRAIG LIBERTO / X-3294 Department Head Signature:
Ac	count No: BR100090000
A)	Department Priority of Useful Life Years Level of Need 🖓 Essential 🖉 Important 🗌 Desired
	Type of Project       New       Image: Replacement       Image: Replacement       Project/Program Scope       Image: Fully Defined       Image: Project/Program Scope         Image: On-Going Program       Image: On-Going Program       Image: Project/Program Scope       Image: Project/Project/Program Scope       Ima
B)	Description         Infrastructure         Street Related       Sewer         Street Related       Sever         Street Related       Port         Street Related       Port         Street Related       Recreation         Street Related       Alleys         Street Related       Port         Parking         Building         Roof       Windows         HVAC       Electrical         Restroom       Security         Exterior       Entire Facility         ADA       Office Remodeling         New Building       Elevators         Garage       Mechanical         Miscellaneous Development
C)	Project/Program Duration         One Year       Image: No         On-Going Program       Image: Yes         Multi-Year       Image: Yes         No       Number of Years
D)	Total Positions Total FTEs
	Position Title         No. of Positions         FTEs         Salaries         \$
E)	In Six Year Capital Improvement Plan Yes 🔽 2008-2013 🗹 2009-2014 🛛 Yes, Modified 🗌 New Request
F)	Project/Program Justification Refer to 2010 DPW Capital Improvement Project/Program Description
G)	Additional Comments

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## Capital Improvement Request Part II

Requesting Department: DPW / INI	RASTRUCTURE /	FIELD OPERAT	IONS					
Project/Program Title: BRIDGE F	PROGRAM, LOCAL	Account No: BR100090000						
					Special			
Year	Tax Levy/Borrowing			enue	Assessment	Enterprise	Total Cost	
Remaining Balance for 2010	\$0	\$0	1	60	\$0	\$0	\$0	
2010 Budget Request	\$6,425,000	\$0					\$6,425,000	
2011 Projection	\$8,275,000	\$0					\$8,275,000	
2012 Projection	\$6,600,000	\$0					\$6,600,000	
2013 Projection	\$8,125,000	\$0					\$8,125,000	
2014 Projection	\$8,100,000	\$0					\$8,100,000	
2015 Projection	\$7,275,000	\$0					\$7,275,000	
Total Six Year Cost	\$44,800,000	\$0	1	60	\$0	\$0	\$44,800,000	
Total Project Cost	\$44,800,000	\$0	1	\$O	\$0	\$0	\$44,800,000	
			-					
Life to Date Expenditures (Project Only)	\$0	\$0	1	\$0	\$0	\$0	\$0	
Thorough Cost Estimate       [         Limited Information       [         Based on Cost of Similar Projects       [	2011	2012 201	] ] ]	2014 	2015 			
Were cost estimates confirmed by another a Are cost estimates based on industry stand Will city employees be performing any porta Did you perform a cost/benefit analysis?	ards?	☐ Yes	Uncertain Uncertain					
How will this project impact city operating e	xpenditures?	Increase	Decrease	None				
Estimated Start Date: V	aries							
Estimated Completion Date:V	aries							
		Department Head \$	Signature					
			-					
		Prepared By/Phone	e Ext	CRAIG L	IBERTO / X-3294	4	_	

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#### 2010 DPW CAPITAL IMPROVEMENT PROJECT/PROGRAM DESCRIPTION

FUND & PROJECT GRANT	NUMBER	PROJECT/PROGRAM TITLE & LOCATION							
BF	100090000	BRIDGE PROGRAM, LOCAL							
DIVISION/ SECTION									
INFRASTRUCTUR	INFRASTRUCTURE SERVICES DIVISION / FIELD OPERATIONS SECTION								
DATE	PREPARED BY/PHONE								
March 17, 2009	CRAIG LIBERTO / X-	3294							
PROJECT/PROGRAM DES	CRIPTION AND JUSTIFICATION								
		cture Services Division is to provide safe, attractive and efficient surface public and to evaluate the bridge program is the percent of bridges rated above a							
This Bridge Program is	necessary to meet the following obje	ectives:							
2. Reduce the property to 3. Provide for the efficie	tax levy necessary to maintain and j nt movement of vehicies, people an	d commodities.							
4. Improve and expand allows the City to grow a		residential and commercial development, which raises property values and							
Federal Funds to assist projects eligible for Federal	the City with financing bridge rehab eral and/or State Aid Programs and	f the Federal Aid Transportation and most are eligible for State, County and/or illitation and reconstruction Improvements. The local share of total costs of the total cost of projects not eligible for aid are budgeted with the Bridge t of the current Bridge Program will be funded using State, Federal, and other							
capital improvement req	uests into one program allows bette	the Bridge Capital Improvement Request. Incorporation of all major bridge er coordination of efforts to maintain and improve bridges, reduces work in tion of effort and allows more flexibility in the administration of the Bridge							
that are necessary to pr the safe and efficient me economic development pollution, travel time and by non-users include rea	eserve the City's bridges system. T overnent of people, vehicles, and co and increases property values. Pre d energy conservation impacts bene duced nolse and air pollution, a mor	dge improvements that are consistent with the ability to finance improvements The preservation and expansion of the City's street and bridge system are vital to immodities. Improving and expanding the transportation system promotes servation and expansion projects having favorable land use, economic, safety, fit both users and non-users of the transportation system. Benefits experienced to aesthetically pleasing bridge system, potential increases in real estate values nowever, is the positive change to the job market due to an improved							

### BRIDGE PROGRAM, LOCAL, PARENT ACCOUNT

Funds Available 01-01-09 in Parent Account

C

	2006 Carryover Unencumbered Balance (Bridge Program, Local) 2007 Carryover Unencumbered Balance (Bridge Program, Local) 2008 Carryover Unencumbered Balance (Bridge Program, Local)	23,123.18 800,560.70 1,695,370.86
	TOTAL Carryover Unencumbered Balance (Bridge Program, Local)	\$2,519,054.74
Appropriati	on for 2009	
	Tax Levy - Cash Other Revenues New Borrowing (Bridge Program, Local)	0.00 0.00 5,275,000.00
Subaccoun	t Close-outs (estimated)	5,945.26
TOTAL FU	NDS AVAILABLE	<u>\$7,800,000.00</u>
Estimated 2	2009 expenditures and carryover	
	Fund Transfers from Parent Fund from 01-01-09 to 03-06-09 Remaining 2009 Needs (Bridge Program) - Attachment 1 Revenues Not Received	\$0.00 7,800,000.00 0.00
	TOTAL EXPENDITURES	\$7,800,000.00
	2009 ASSUMED CARRYOVER	<u>\$0.00</u>

### ATTACHMENT 1 BRIDGE PROGRAM, LOCAL 2009 FUNDING NEEDS FROM PARENT ACCOUNTS (AMOUNTS SHOWN IN 1000'S OF DOLLARS)

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	PROJECT	TOTAL PROJECT COST	GRANTOR'S COST	REVENUE	ASSESS- ABLE	NON ASSESS- ABLE
В	Concrete and Crack Repair for Various Bridges Pending Resolution #081488 Construction	750	0	0	0	750
В	Clybourn Street Lift Bridge over Milwaukee River Painting & Structural Repairs Construction	5,900	0	0	0	5,900
В	Pleasant Street Lift Bridge over Milwaukee River Painting & Structural Repairs Additional Preliminary Engineering	200	0	0	0	200
В	Clybourn Street Lift Bridge over Milwaukee River Painting & Structural Repairs Pending Resolution #081489 Design	150	0	0	0	150
В	Juneau Avenue Bascule Bridge over Milwaukee River Painting & Structural Repairs Design	300	0	0	0	300
В	6th Street over Kinnickinnic River Bridge Replacement Pending Resolution #081489 Preliminary Engineering	50	0	0	0	50
В	City Bridge Inspection - 2009 Pending Resolution #081489	150	0	0	0	150
В	Various Project Design & Constr. Shortfalls	150	0	0	0	150
В	Various Bridges Administration/Indirect Costs Pending Resolution #081489	150	0	0	0	150
	TOTALS	7,800	0	0	0	7,800

#### INFRASTRUCTURES SERVICES DIVISION 2010 BRIDGE PROGRAM, LOCAL (AMOUNTS SHOWN IN 1000'S OF DOLLARS)

#### Projects are listed in construction funding order

							~~~~~		
PROJECT	2010	2011	2012	2013	2014	2015	REVENUE & GRANT	6 YEAR TOTAL	REMARKS
Juneau Avenue Bascule Bridge over Milwaukee River	6000	2000					0	8000	Bridge painting & structural steel repairs Project Risk: Complex; Movable bridge rehat
Broadway & PlankInton Avenue Movable Bridges	125						0	125	Relocate submarine cable junction boxes above water level Project Risk: Low
Pleasant Street Lift Bridge over Milwaukee River		5000					0	5000	Bridge painting, partial deck repl., décor lighting, hydraulic cylinder rehab, Project Risk: Complex; Movable bridge rehai
North Broadway Bascule over the Milwaukee River		1000					0	1000	Painting, replace sidewalk plates, décor lighting Project Risk: Complex; Movable bridge reha
16th Street Bascule over Menomonee River			3000				0	3000	Bridge painting, fender pillng & other repairs card access system, decor lighting Project Risk: Complex; Movable bridge reha
W. St. Paul Avenue Lift Bridge over Milwaukee River			2500				0	2500	Bridge painting, sidewalk plate repl., deck & counterweight repairs, hydraulic cylinder rehab., décor lighting Project RIsk: Complex; Movable bridge rehal
South 16th Street & Water St. Bascule Bridges			800				o	800	Remote bridge operation installation to Water St. Bascule Bridge Project Risk: Low
West Michigan Street over Milwaukee River				4000			o	4000	Bridge painting, cable repl., hydraulic cylinder rehab. Project Risk: Complex; Movable bridge reha
South Plankinton Avenue Bridge				1200			0	1200	Painting, sidewalk plate repl., décor lighting Project Risk: Complex; Movable bridge reha
Cherry Street Bridge over Milwaukee River				2500			0	2500	Bridge painting, structural steel repair Project Risk: Complex; Movable bridge reha
Water Street Bascule Bridge over Milwaukee River					1500	:	0	1500	Painting, accent lighting for movable bridge Project Risk: Complex; Movable bridge reha
West Wells Street Lift Bridge over Milwaukee River					2000		o	2000	Painting, hydraulic cylinder rehab. Project Risk: Complex; Movable bridge reha
West Wells Street Lift Bridge over Milwaukee River					800		0	800	Remote system to Michigan Lift Bridge Project Risk: Low
North Holton Street Viaduct over Milwaukee River					3500		0	3500	Painting, structural steel repair Project Risk: Complex, Major viaduct rehab.
South 1st Street Bascule Bridge over Kinnickinnic River						7000	o	7000	Bridge painting, structural steel repair Project Risk: Complex; Movable bridge reha
Underwater Dive Inspection of Scour Critical Bridges				150			0	150	Dive inspections required every 5 years by federal & state regulations Project Risk: Low
City Bridge Inspection	150	125	150	125	150	125	0	825	Perform inspections required for federal & state bridge funds for eligible bridges & all other city bridges Project RIsk: Low
Various Bridges Administration/Indirect Costs	150	150	150	150	150	150	0	900	Bridge Program engineering Project Risk: Low
TOTALS BRIDGE, LOCAL	6425	6275	6600	6125	8100	7275	0	44800	

#### ATTACHMENT 2 BRIDGE PROGRAM, LOCAL 2010 BUDGET SUMMARY (AMOUNTS SHOWN IN 1000'S OF DOLLARS)

$\square$	(AMOUNTS SHOWN IN 1000'S OF DOLLARS)							
	PROJECT	TOTAL PROJECT COST	GRANTOR'S COST	REVENUE	ASSESS- ABLE	NON ASSESS- ABLE		
В	Juneau Avenue Bascule Bridge over Milwaukee River Construction	6,000	0	0	0	6,000		
В	Broadway & Plankinton Avenue Movable Bridges Design & Constr.	125	0	0	0	125		
В	City Bridge Inspection	150	0	0	0	150		
STP BR	Various Bridges Administration/Indirect Costs	150	0	0	0	150		
	TOTALS	6,425	0	0	0	6,425		

### ATTACHMENT 2 BRIDGE PROGRAM, LOCAL 2011 BUDGET SUMMARY (AMOUNTS SHOWN IN 1000'S OF DOLLARS)

	PROJECT	TOTAL PROJECT COST	GRANTOR'S COST	REVENUE	ASSESS- ABLE	NON ASSESS- ABLE
В	Juneau Avenue Bascule Bridge over Milwaukee River Construction	2,000	0	0	0	2,000
В	Pleasant Street Lift Street over Milwaukee River Design & Constr.	5,000	0	0	0	5,000
В	North Broadway Bascule over the Milwaukee River Design & Constr.	1,000	0	0	0	1,000
В	City Bridge Inspection	125	0	0	0	125
STP BR	Various Bridges Administration/Indirect Costs	150	0	0	0	150
	TOTALS	8,275	0	0	0	8,275

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### ATTACHMENT 2 BRIDGE PROGRAM, LOCAL 2012 BUDGET SUMMARY (AMOUNTS SHOWN IN 1000'S OF DOLLARS)

	PROJECT	TOTAL PROJECT COST	GRANTOR'S COST	REVENUE	ASSESS- ABLE	NON ASSESS- ABLE
В	16th Street Bascule over Menomonee River Design & Constr.	3,000	0	0	0	3,000
В	West St. Paul Av. Lift Bridge over Milwaukee River Design & Constr.	2,500	0	0	0	2,500
В	South 16th St. & Water St. Bascule bridges Design & Constr.	800	0	0	0	800
в	City Bridge Inspection	150	0	0	0	150
STP BR	Various Bridges Administration/Indirect Costs	150	0	0	0	150
	TOTALS	6,600	0	0	0	6,600

#### ATTACHMENT 2 BRIDGE PROGRAM, LOCAL 2013 BUDGET SUMMARY (AMOUNTS SHOWN IN 1000'S OF DOLLARS)

G	(/	AMOUNTS SH	OWN IN 1000'S	OF DOLLARS)		
	PROJECT	TOTAL PROJECT COST	GRANTOR'S COST	REVENUE	ASSESS- ABLE	NON ASSESS- ABLE
В	West Michigan Street over Milwaukee River Design & Constr.	4,000	0	0	0	4,000
В	South Plankinton Av. Bridge over Menomonee River Design & Constr.	1,200	0	0	0	1,200
В	Cherry Street Bridge over Milwaukee River Design & Constr.	2,500	0	0	0	2,500
В	Underwater Dive Inspection of Scour Critical Bridges	150	0	0	0	150
В	City Bridge Inspection	125	0	0	0	125
STP BR	Various Bridges Administration/Indirect Costs	150	0	0	0	150
C	TOTALS	8,125	0	0	0	8,125

#### ATTACHMENT 2 BRIDGE PROGRAM, LOCAL 2014 BUDGET SUMMARY (AMOUNTS SHOWN IN 1000'S OF DOLLARS)

	PROJECT	TOTAL PROJECT COST	GRANTOR'S COST	REVENUE	ASSESS- ABLE	NON ASSESS- ABLE
В	Water Street Bascule Bridge over Milwaukee River Design & Constr.	1,500	0	0	0	1,500
В	West Wells Street Lift Bridge over Milwaukee River Design & Constr.	2,000	0	0	0	2,000
В	West Wells Street Lift Bridge over Milwaukee River Design & Constr.	800	0	0	0	800
В	North Holton Street Viaduct over Milwaukee River Design & Constr.	3,500	0	0	0	3,500
В	City Bridge Inspection	150	0	0	0	150
STP 3R	Various Bridges Administration/Indirect Costs	150	0	0	0	150
	TOTALS	8,100	0	0	0	8,100

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### ATTACHMENT 2 BRIDGE PROGRAM, LOCAL 2015 BUDGET SUMMARY (AMOUNTS SHOWN IN 1000'S OF DOLLARS)

	PROJECT	TOTAL PROJECT COST	GRANTOR'S COST	REVENUE	ASSESS- ABLE	NON ASSESS- ABLE
В	South 1st Street Bascule Bridge over Kinnickinnic River Design & Constr.	7,000	0	0	0	7,000
В	City Bridge Inspection	125	0	0	0	125
STP BR	Various Bridges Administration/Indirect Costs	150	0	0	0	150
	TOTALS	7,275	0	0	0	7,275

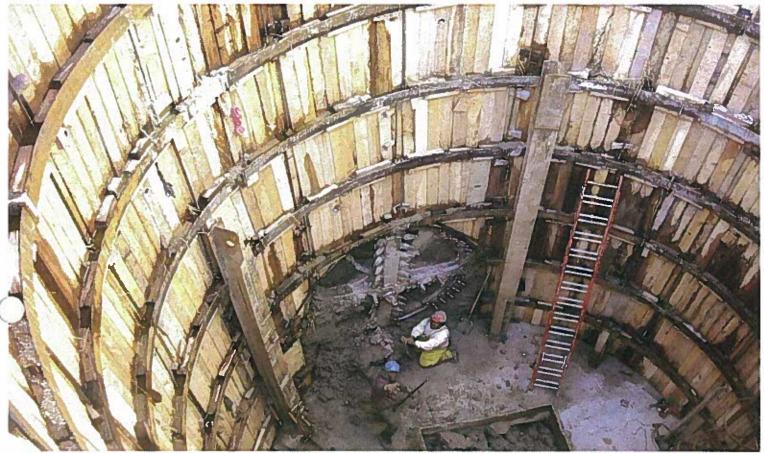
# **ENVIRONMENTAL ENGINEERING SECTION**

• Sewer Repair and Replacement

Martin Aquino Engineer in Charge



# **2010 FINAL PROGRAM**



Jeffrey S. Polenske *City Engineer*  Martín A. Aquino Engineer in Charge

Timothy J. Thur Chief Design Engineer Zafar Yousuf *Sewer Design Manager* 

*January 29, 2010* 2010 FINAL SEWER PROGRAM

	Summation of Programmed f	Sewer Projects for 2010	Page	Progra	im Cost
0	Sewer Mainter	nance Relay			
	I.	Paving Related Projects	3	\$	2,516,000
	II.	Non-Paving Related Projects	4-5	\$	9,430,000
	III.	City Lights Development	5	\$	500,000
	IV.	Preliminary Engineering for 2011 Projects	5	\$	400,000
	۷.	Fringe Benefits	5	\$	800,000
	VI.	Reserves	5	\$	1,516,000
		Total Sewer Maintenance Relay		\$15,162,00	D
	BMP for Storm	Water Quality			
	I.	TSS Removal	6	\$	1,632,000
	II.	Fringe Benefits	6	\$	100,000
	III.	Reserves	6	\$	193,000
		BMP for Storm water Quality		\$1,925,000	)
C	Sanitary Pump	Rehabilitation Project			
	I.	Sanitary Bypass Pump Rehabilitation	7	\$	415,000
	П.	Fringe Benefits	7	\$	35,000
	III.	Reserves	7	\$	50,000
		Sanitary Pump Rehabilitation Project		\$500,000	
	I/I Reduction	Projects			
	I.	Manhoie Inspection	8	\$	180,000
	Ш.	Manhole Rehabilitation	8	\$	2,000,000
	III.	Area Bounded By: Silver Spring, Lincoln Creek, N. 27 <sup>th</sup> St. and N. $41^{st}$ St.	8	\$	2,475,000
	IV.	I/I Reduction Projects	8	\$	710,000
	<b>v</b> .	Fringe Benefits	8	\$	350,000
	<b>VI</b> .	Reserves	8	\$	635,000
		Total I/I Reduction Projects		\$6,350,000	)
		Total 2010 FINAL Sewer Program	\$7	3.937.000	

Total 2010 FINAL Sewer Program \$23,937,000

		SEWER MAINTENANCE RELAY FUND NUMBER 0491-6831-635505	PROGRAM COST			INDEX
<u>_NO.</u>	LOCATION	SM495080000	NON-ASSESSABL	. <u>E <b>TYP</b></u>	REASON*	<u>RATING</u>
		SEWER MAINTENANCE RELAY: PAVING	RELATED PROJECT	s		
1 -	MITCHELL IN	ITERCHANGE WORK	\$131,000	SANITARY RELAY	State	
2 -		AVE (EXT) - PT 15'+/- SOUTH OF W VAN NORMAN AVE TO OUTH OF W VAN NORMAN AVE	\$63,000	SANITARY LINING	State	
3 -	ALLEY BETW AND E THOM	EEN N BARTLETT AVE, E NORTH AVE, N OAKLAND AVE AS AVE	\$1\$2,000	COMBINED RELAY	S	27
4 -	W STEVENSON	AVE - 130'+/- E OF N 69TH ST TO N 69TH ST	\$35,000	SANITARY RELAY	5	38
5 -	E NORTH AVE	- N BUFFUM ST TO N HUBBARD ST	\$110,000	COMBINED LINING	5	39
6 -	N PLANKINTOP	NAVE - 180'+/- S OF W WELL ST TO W WELLS ST	··	COMBINED RELAY & LINING	5	45
7 -	N OAKLAND A	/E - E ROYAL PL TO E KANE PL	\$102,000	COMBINED RELAY	S	49
8 -	N 027TH ST - V	N ST PAUL AVE TO W STATE ST	\$1,500,000	COMBINED RELAY	S	51
9 -	W NATIONAL A	VE - S 011TH ST <b>T</b> O S 012TH ST	\$103,000	COMBINED RELAY	S	53
10 -	ALLEY B/B E NORTH	FIEBRANTZ AVE, N HUBBARD ST, N RICHARDS ST, LANDS	\$70,000	STORM NEW SEWE	r ex	N/A

SUBTOTAL SEWER MAINTENANCE RELAY (PAVING RELATED) \$2,516,000

\* BW = BACKWATER; D = DRAINAGE; EX = EXTENSION; H = HYDRAULICS; S = STRUCTURAL; SV = SERVICE; REL = RELOCATION; FR = FLOW REDUCTION

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		SEWER MAINTENANCE RELAY FUND NUMBER 0491-6831-635505	PROGRAM COST	r		INDEX
<u>NO.</u>	LOCATION	SM495080000	NON-ASSESSABI	Е ТҮР	REASON*	RATING
		SEWER MAINTENANCE RELAY: NON-PAVI	NG RELATED PROJ	ECTS		
1 -	EXAMINATIONS	OF MEDIUM SIZED SEWERS BY CCTV	\$420,000	COMBINED		
2 -	INDIRECT ACCO	DUNT / ENGINEERING STUDIES THROUGHOUT THE	\$600,000			
		CITY OF MILWAUKEE				
3 -	N 037TH ST - W	SHERIDAN AVE TO 325'+/- S OF W SHERIDAN AVE	\$116,000	SANITARY RELAY	H & S	17
4 -	W FOND DU LAC	AVE - W MELVINA ST TO W CAPITOL DR	\$130,000	SANITARY RELAY	5	17
s -	N OAKLAND AVE	- E NORTH AVE TO 245'+/- S OF E NORTH AVE	\$355,000	COMBINED LINING	s	27
6 -	W MICHIGAN ST	N 024TH ST TO N 027TH ST	\$261,000	COMBINED RELAY	S & H	28
7 -	N 092ND ST - W	TOWNSEND ST TO W KEEFE AVE	\$280,000	SANITARY RELAY	5 & H	36
8 -	N 017TH ST - 540	)'+/- S OF W OLIVE ST TO 300'+/- N OF OLIVE ST	\$182,000	SANITARY RELAY	S H & BW	40
9 -	N 074TH ST - W	HOPE AVE TO W MARION ST	\$159,000	SANITARY RELAY & STORM LINING	D & BW	40
10 -	W CLYBOURN ST	- N 026TH ST TO N 030TH ST	\$915,000	COMBINED RELAY	S & H	41
11 -	W OLIVE ST - N 0	15TH ST TO N 020TH ST	\$440,000	SANITARY RELAY	S & H	41
12 -	N 080TH ST - W	STEVENSON ST TO W MT VERNON AVE	\$200,000	SANITARY RELAY	5 & H	42
13 -	W ROOSEVELT DE	R - N 039TH ST TO N 041ST ST	\$298,000	SANITARY RELAY	SH&BW	42
14 -	N 088TH ST - W	TOWNSEND ST TO W KEEFE AVE (EXT)	\$133,000	SANITARY RELAY	S &	43
15 -	W ATKINSON AVE	(N/S) - N 020TH ST TO N 021ST ST	\$123,000	SANITARY RELAY	SH&BW	43
16 -	E NORTH AVE - N	NOAKLAND AVE TO N CAMBRIDGE AVE	\$730,000	COMBINED LINING	S	43
17 -	N 025TH ST - W	MICHIGAN ST TO 230'+/- NORTH OF W MICHGAN ST	\$55,000	COMBINED RELAY	S	44
18 -	N 037TH ST - 150	0'+/- N OF W BURLEIGH ST TO W FOND DU LAC AVE	\$123,000	SANITARY RELAY	S	44
19 -	W ST PAUL AVE -	N 027TH ST TO N 028TH ST	\$95,000	COMBINED RELAY	S	44
20 -	N 098TH ST - W	TOWNSEND ST TO W KEEFE AVE	\$140,000	SANITARY RELAY	S &	45
21 -	N 099TH ST - 230	)'+/-S OF W NASH ST TO 200'+/- N OF W VIENNA AVE	\$225,000	SANITARY RELAY	S	45
22 <del>-</del>	W AUER AVE - N	089TH ST TO N 091ST ST	\$171,000	SANITARY RELAY	S &	45
23 -	N OAKLAND AVE	- E THOMAS AVE TO E BRADFORD AVE	\$180,000	COMBINED LINING	S	45
24 <del>-</del>	N OAKLAND AVE	- E THOMAS AVE TO E NORTH AVE	\$108,000	COMBINED LINING	۰ s	45
25 -	N OAKLAND AVE	- E WOODSTOCK PL TO 130'+/- NORTH OF E	\$135,000	COMBINED RELAY	s	45

\* BW = BACKWATER; D = DRAINAGE; EX = EXTENSION; H = HYDRAULICS; S = STRUCTURAL; SV = SERVICE; REL = RELOCATION; FR = FLOW REDUCTION

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	SEWER MAINTENANCE RELA FUND NUMBER 0491-6831-635		г		INDEX
<u>NO, LOC/</u>	ATION SM495080000	NON-ASSESSABI	E TYP	REASON*	
26 - W B	LUEMOUND RD - N 079TH ST TO N HONEY CREEK PK	WY \$1,446,000	SANITARY RELAY	SH&BW	48
27 - N 0	26TH ST - W ROOSEVELT DR TO W ATKINSON AVE	\$82,000	SANITARY RELAY	S & S	49
28 - NA	UER AVE - N 37TH ST TO N 38TH ST	\$71,000	SANITARY RELAY	S & S	49
29 - W B	URNHAM ST - S 011TH ST TO S 015TH ST	\$345,000	COMBINED RELAY	S	49
30 - N O	AKLAND AVE - 150' +/- S OF E HAMPSHIRE ST TO 26	0'+/- N \$100,000	COMBINED RELAY	S	49
31 - EO	REGON ST (EXT'D ) - S BARCLAY ST TO S WATER ST	\$286,000	COMBINED RELAY	s	49
32 - N 0	94TH ST - 22S'+/- N OF W BURLEIGH ST TO W AUER	AVE \$102,000	SANITARY RELAY	5&	50
33 - W C	LEVELAND AVE - S 014TH ST TO S 015TH ST	\$74,000	COMBINED RELAY	s	51
34 - W W	VINDLAKE AVE - S 016TH ST TO S 017TH ST	\$123,000	COMBINED RELAY	s	52
35 - N C	RAMER ST - E NORTH AVE TO E THOMAS AVE	\$117,000	COMBINED RELAY	s	53
<u>36 - W N</u>	ASH ST - N 022ND ST TO N 023RD ST	\$110,000	STORM RELAY	<u>S</u>	63
	TOTAL SEWER MAINTENANCE RELAY (NON-PAV FOTAL SEWER MAINTENANCE RELAY (PAVING 8				
9	OTHER SEWER MAINTENANCE RELAY AMOUNTS:				
-	PRELIMINARY ENGINEERING FOR 2011 PROJECTS	\$ 400,000			
	FRINGE BENEFITS City Lights Development	\$ 800,000 \$ 500,000			
TOTA	AL SEWER MAINTENANCE RELAY PROGRAM	\$13,646,000			

C

		TOTAL SUSPENDED SOLIDS	PROGRAM COST		
		FUND NUMBER 0491-6831-635505			INDEX
NO.	LOCATION		NON-ASSESSABLE	TYP	REASON* RATING

#### TOTAL BMP FOR STORM WATER TREATMENT PROJECTS: NON-PAVING RELATED PROJECTS

1 -	HARTUNG QUARRY DETENTION POND	\$1,000,000
2 -	TSS REMOVAL	\$632,000

SUBTOTAL TOTAL BMP FOR STORM WATER TREATMENT PROJECTS \$1,632,000

\* BW = BACKWATER; D = DRAINAGE; EX = EXTENSION; H = HYDRAULICS; S = STRUCTURAL; SV = SERVICE; REL = RELOCATION; FR = FLOW REDUCTION

	SANITARY PUMP REHABILIATAION FUND NUMBER 0491-6831-635505	PROGRAM COST		INDEX
NO. LOCATION		NON-ASSESSABLE	ТҮР	<b>REASON* RATING</b>
	SANITARY PUMP REHABILIATAION PROJEC	T: NON-PAVING RELATED PR	OJECTS	
1 - SANITARY E	BYPASS PUMP	\$415,000		

SUBTOTAL SANITARY PUMP REHABILIATAION PROJECT

\$415,000

<u>NO.</u>	LOCATION	INFILTRATION/INFLOW REDUCTION FUND NUMBER 0491-6831-635505	PROGRAM COS	-	REASON*	INDEX RATING
		INFILTRATION/INFLOW REDUCTION: NON-I	PAVING RELATED P	OJECTS		
1 -	2010 SANITAR	Y MANHOLE INSPECTION	\$180,000		I&I	
2 -	2010 SANITAR	Y MANHOLE REHABILITATION	\$2,000,000		I & I	
3 -		ED BY W SILVER SPRING DR TO LINCOLN CREEK TO N	\$2,475,000	SANITARY LINING	H&S	
4 -	I & I REDUCTI	ON PROJECTS	\$710,000		1&1	
	SUBTOTAL INFI	LTRATION/INFLOW REDUCTION (NON-PAVING	\$5,365,000			

\* BW = BACKWATER; D = DRAINAGE; EX = EXTENSION; H = HYDRAULICS; S = STRUCTURAL; SV = SERVICE; REL = RELOCATION; FR = FLOW REDUCTION

#### Rating of sewers

Sewers are continually assessed by engineers based on their structural and hydraulic conditions. The physical condition of sewer is obtained through closed circuit television examination (CCTV) report. The hydraulic condition is obtained through hydraulic computation. An index rating sheet is used for each sewer segment (see attached) to compute an Index rating after a careful assessment of sewer condition. The objective is to assess the physical defects of sewer segment and to do corrective measures, such as scheduling relay or install cured-in-place liner (CIPP).

The column labeled "Index Rating" contains a number between zero (0) and 100 and reflects the condition of the sewer as determined from the most recent closed circuit television examination. A new sewer would have an index rating of 100 and a sewer that has completely collapsed would be a 0. Sewers that have an Index Rating less than 65 are considered for replacement or rehabilitation and are scheduled depending on the amount of funds available. A copy of the Index Rating Calculation sheet used by the City of Milwaukee in determining the index rating for a sewer is enclosed.

The portion of the Index Rating calculation form involving the structural condition of the sewer allows for the engineer to indicate both the type of defect present and the degree of the problem. The structural defects are also weighted based on the severity of the defect and its potential to lead to a failure.

#### INDEX RATING CALCULATION FOR SEWER PROJECT

					lex Rating		
1		_			ogram No.	<u></u>	
		ln:			idget \$		·
					tials		
то:					am Date		
				Re	view Date		
Exam Nu	mber		Sewer Size				
Tape Nu	nber		Pipe Material	Upstrea			
Plat Pag	ə #		Sewer Type	Manho	le		
Entered	Into Database	Y N	Total Exam Length	Downstree Manho			
1 Structura	al Condition			Run Len	gth		
a. Losin	g shape or collaps	sed		43213	c 10		
			)	43213	< 8		
	s Missing		·	43212	< 7		
	s, checkerboard			43212	(5		
	s, 1/8" circ. Or 1/1	6" lonaltu	dinai	4321	(3		1
	d & Porous	- ···· <b>3</b> ····		43212			1
•	/ Mineral Deposits	(Sanitary	 Onlvì	43212			
2 Age of S		(					
a. Over 1					25		
b. 75-99				•	15		
c. 60-74	•	Year Bulli	•		10		
d. 25-59			·		7		
e. 10-24			· · ·		2		-
c f. 0-9 ye					ō		· • ·
3 Hydrauii						I	
	ed Surcharge > 1.5	1001			15		<u> </u>
	Surcharge > 0.5'/1				15		
-		~			"		
	nd Infiltration						ļ
	er (Use only one)						
			st 3 years or 1 to 3 in the				
•	ars with previous I	-		•	40		
	residences within		-		30		
	•	-	rs and no system relief change		20		
	•	•	nd no system relief change		15		_
			Field Operations Letter		10 <u> </u>		
•	on Paving Program			Yes	No		
	ry work per Regui	• -	-	Yes	No		
9 Mandato	ry Work per Alden	man Servi	ce Request (ASR)	Yes	No		
				T-1-1 D		·····	
				Total Po			
				Index Ra			
Comments or Spo	ecial Consideration	ns					
		-					

# FACILITIES DEVELOPMENT AND MANAGEMENT

- 2010 Adopted Capital Improvements Program
- Capital Improvement Strategic Planning Process
- Facilities Condition Index explained
- Sample reports using FCIS (Facilities Condition Index Program)

#### ADOPTED BUDGET SUMMARY YEAR 2010 CAPITAL IMPROVEMENTS PROGRAM DPW-Infrastructure Div./Facilities Dev.& Mgmt.Section

	Program Description		Budget
	mental Program		\$100,000
Α.	Asbestos Abatement-Hazardous Waste	\$50,000	
<u>B.</u>	Soil & Groundwater Remediation-18 Sites	\$50,000	
ADA Co	mpliance Program		\$95,000
<u>A.</u>	809-4th FI. Men's & Women's Toilet Room	\$95,000	
	s Exterior Program		\$1,409,70
<b>A</b> .	Reroofing Central Repair Garage Light Side (33,000 s.f.)	\$724,900	
B.	Reroofing 5th District Police Station (16,000 s.f.)	\$295,900	
C.	Masonry Repairs - Municipal Service Building Walls	\$188,900	
<u>D.</u>	Various Sites-Emergency Repairs	\$200,000	
. City Hall	Complex Remodeling Program		\$80,000
Α.	City Hall-1st Fl. Incident and Emergency Service Center	\$30,000	
<u> </u>	City Hall Complex Carpet Replacement-Various Locations	\$50,000	
	al Garages/OutlyIng FacIlities Remodeling Program		\$295,000
<u>A.</u>	CRG-Replace Secondary Electrical Distribution	\$295,000	
. Facilitie	s Systems Program		\$685,000
Α.	City Hall Complex - Annual Electrical Shutdown	\$60,000	
B.	City Hall - Electrical Distribution and Code Compliance	\$250,000	
C.	Various Sites - CCTV Upgrades	\$80,000	
D.	Various Sites - Emergency Mechanical Repairs	\$55,000	
Ε.	Various Sites - Emergency Electrical Repairs	\$140,000	
<b>F</b> .	Various Sites - Emergency Security Repairs	\$100,000	
	EECBG Funded Projects		
	Zeidler Municipal Building - Upgrade and controls for AHU #8	\$190,000	
	Safety Academy - Replace Chiller and Controls	\$665,000	
. Recreati	on Facilities Program		\$388,240
Α.	13th & Lapham - Reconstruction (ADA)	\$47,740	
В.	31st & Lloyd - Reconstruction (ADA (Eng - only)	\$7,500	
С.	Allis Street - Equipment Upgrade (Eng. only)	\$7,500	
D.	4th & Mineral - Equipment Upgrade	\$48,000	
Ε.	66th & Port - Playground Reconstruction	\$117,500	
F.	Alcott - Tennis Court Reconstruction	\$82,500	
G.	Various Sites Non-Programmed	\$25,000	
<u>H.</u>	Engineering	\$52,500	
	Planning, Alterations & EngineerIng		\$160,000
A.	Space Planning	\$10,600	
В.	General Department Reorganization Alterations	\$81,400	
C.	General Engineering & Facilities Inspection	\$68,000	
PW-Infras	tructure-Facilities Development & Management Div. Sub-Total Capital Prog	gram	\$3,212,94
	Special Project Description		
SP-1.	City Hall Foundation Restoration Project		\$2,700,00
SP-2.	Information Technology Equipment Room		\$0
SP-3.	ZMB-Lower Parking Floor Restoration-Design Only		\$86,500
SP-4.	Energy Efficiency and Renewable Energy		\$0
SP-5.	Building Exterior Façade Restoration		\$0
SP-6.	MacArthur Sq. Plaza Remediation		\$0
		1	
w-w-intras	tructure-Facilities Development & Management Div. Sub-Total Special Pro	jects	\$2,786,50

# Facilities Development and Management Capital Improvement Strategic Planning Process

The Infrastructure Services Division Facilities Development and Management section uses a number of tools to strategize and prioritize our capital needs and requests. The tools vary from software applications, to historical maintenance requests, to physical inspections and engineering studies.

Following are the tools we use:

- 1. FCIS: Facilities Condition Information System. This is a large database of all city owned buildings and monuments. All elements or components of every building are included in great detail, but generally we are most concerned with the functionality and safety of our buildings. Simply put, does the water stay out of the building, do the lights work, does it heat and cool efficiently and is it safe for people to work in or visit.
- 2. The second tool we use to help develop our capital budget is Engineering Studies. Building Codes require the Facilities Section to do building evaluations and engineering studies. A couple examples of this would be High Rise buildings need to have exterior conditions evaluated for stability and safety reasons. Also, Fire Life Safety systems are checked and tested on a strict scheduled basis. For both of these examples, recommendations to repair, upgrade or replace defective building components are generated and worked into the capital plan.
- 3. The third planning tool we use is Capital Requests from other City Agencies and Departments. The Facilities section solicits requests from all City entities and assists in establishing the scope of work and cost estimates for them prior to their capital budget requests.
- 4. The fourth tool we use is our Operating & Maintenance costs. We target problem maintenance areas in our buildings; roofs, HVAC, doors, windows or any other building components that required a lot of prior year maintenance. To address the increase in maintenance demands, we have added electrical and mechanical emergency repairs to our capital budget. These two areas will increase proportionally as capital funding challenges increase.

1

5. The fifth element we use in not necessarily a tool but a state of mind, primarily influenced by the Mayor's Energy Reduction mandate of 15% by 2012. We use this as a guideline when evaluating electromechanical equipment or building components scheduled for replacement. Our intention is to maximize the value gained in energy usage from any equipment or system requested in our capital programs.

Recently, Federal, State and Utility Grant funding is becoming a prominent source of capital funding. We are partnering with many agencies to engage in all available grants in an effort to supplement our capital program in total.

The final step in building our capital program requests is evaluating the information gathered. This information is prioritized according to many criteria; however, the driving force is need. This includes but is not limited to the severity of a deficient condition and how that effects the safety and function of the building occupants, prolonging the building life, future plans for that particular building and the availability of funding.

For the Recreational Facilities section, the strategic planning process has two priorities: The first consideration is Accessibility. We design and construct our play areas and tot lots to be fully compliant with the American with Disabilities Act. Secondly, we use a chronological sequence of reconstruction of play areas and tot lots according to age. The method of prioritization is one of fair and equal distribution of play area reconstruction citywide.

PF 2/5/2010

2

The following are some definitions of the terms used to identify facility conditions:

<u>FCI:</u>

The calculated facility condition index = MR/CRV (an indicator of the condition of a facility).

FCI Ratings:

Suggested condition assigned to FCI ranges such as good, fair or poor, etc. Suggested condition ratings are assigned to facility condition index ranges as follows:

FCI Range	Condition Rating
Under 0.05 (5%)	Good
Between 0.05 (5%) - 0.10 (10%)	Fair
Over 0.10 (10%)	Poor

### Projects:

Work items assembled into like categories and may include multiple deficiencies, buildings and/or sites.

Maintenance Requirements (MR):

Outstanding work items such as uncompleted deficiencies and projects.

Deferred Maintenance (DM):

An item is in disrepair, broken or obsolete (outlived design life cycle).

Current Replacement Value (CRV):

Current replacement value for the facility in which the deficiency is located.

# Central Repair Garage BLDG NO. 1674

### 2142 W. Canal Street



# **Building Description**

Facility 1674, Central Repair Garage, is a 473,932 square foot, two story building. The building was constructed in 1979 of steel framing, brick, and block walls on a concrete slab. The roof is covered with a single ply membrane. The facility is utilized as a mobile equipment repair garage.

Total Maintenance Requirements	\$ 2,579 <mark>,</mark> 984
Current Replacement Value	\$11,467,562
Structural Deficiencies	\$ 147,939
Mechanical Deficiencies	\$ 9,000
Electrical Deficiencies	\$ 379,115
Roof Projects	\$2,050,500

## **CITY HALL**

# **BLDG NO. 1001**

#### 200 E. Wells St



## **Building Description**

Facility 1001, City Hall, is a 190,770 square foot, nine story building with a full basement and towers at the north and south ends. The architectural firm of Henry C. Koch and Co., Milwaukee, Wisconsin designed the building. It's architectural style, considered to be an eclectic variation of elaborate Romanesque and Renaissance patterns, is strongly reminiscent of Flemish and German prototypes and bears a marked resemblance to nineteenth-century German rathauser of the same period. This building was constructed in 1893 of masonry and steel framing with granite, sandstone and brick exterior walls. The roof is primarily covered with slate on a steep pitched terra-cotta deck with a center flat section covered with a single-ply membrane and a copper roof at the tower, all on terra-cotta deck. There is an "A" frame style skylight over the central atrium area. The building is utilized as an administration facility.

Deferred Maintenance (est. cost)	\$ 1,242,812
Total Maintenance Requirements	\$16,895,402
Current Replacement Value (2004)	\$101,322,027
Structural Projects	\$ 14,600,000
Mechanical Projects	\$ 1,519,049
Electrical Projects	\$ 776,353

### CENTRAL REPAIR GARAGE (SITE AND BUILDINGS) DEFERRED TOTAL BROKEN DOWN BY DEFICIENCIES AND PROJECTS

						CENTRAL REPAIR GARAGE	DEFICI	ENCIES					
		INSPECTORS	INSP DATE	SCHED YR	REF #	DEFICIENCY DESCRIPTION	QTY	UOM	LABOR HOURS	LABOR COST	MATERIAL COST	EQUIP COST	TOTAL COS
	ROUNDS Structural	Krause, Nelson, Peck	02/03/10	2013		Replace asphalt parking lot, (Deteroriaion of entire paved surfaces) acres, throughout the existing paved surfaces.	82,000	SF	894	\$55,526.00	\$85,608.00	\$0.00	\$141,134.0
						CRG SITE TOTAL				\$55,526.00	\$85,608.00	\$0.00	\$141,134.0
		<b>SH FACILITY</b> Land, Nelson	02/02/10	2015		Prepare/paint electrical lighting and power component brushwork, light housing, electric junction boxes, exit lights and conduit, in the main car/truck wash room.	500	SF	26	\$1,040.00	\$310.00	\$0.00	\$1,350.0
					• •	CRG VEHCILE WASH FACILITY TO	TAL			\$1,040.00	\$310.00	\$0.00	\$1,350.0
		R GARAGE Hilgendorf, Land, Peck, Nelson	01/29/10	2011		Replace fuse box with panelboard 225 amp, 3 phase, 120/208 volt, 42 circuits,(Outdated cannot get replacement parts), Replace panelboards throughout building.	30	EA	56	\$3,002.00	\$124,998.00	\$0.00	\$128,000.0
l		Hilgendorf, Land, Peck, Nelson	10/16/09	2009		Replace motor control centr, (Install new), switches, breakers, panels, etc. per plan.	1	EA	600	\$32,166.00	\$217,834.00	\$0. <b>0</b> 0	\$250,000.0
ĺ	Mechanical	Hilgendorf, Land, Peck, Nelson	10/16/09	2015		Replace steam cleaner, (Aged), Install per plan	1	EA	20	\$1,101.00	\$7,899.00	\$0.00	\$9,000.(
						CENTRAL REPAIR GARAGE TOTA	L			\$36,269.00	\$350,731.00	\$0.00	\$387,000.
						DEFICIENCIES GRAND TOTAL				\$02 925 00	\$436,649.00	\$0.00	\$529,484.0

### CENTRAL REPAIR GARAGE (SITE AND BUILDINGS) DEFERRED TOTAL BROKEN DOWN BY DEFICIENCIES AND PROJECTS

ky light on the heavy Roof ( ral Repair Garage. ky light on the light side Roof ( epair Garage.	PE(S) SOURCE CI Contract CI Contract	COSTS \$271,500 \$204,000
ral Repair Garage. ky light on the light side Roof ( epair Garage.		
ral Repair Garage. ky light on the light side Roof ( epair Garage.		
epair Garage.	CI Contract	\$204,000
• 6.2 · · · · · · · · · · · · · · · · · · ·		
y side of Central Repair Roof	CI Contract	\$825,00
side of Central Repair Roof	CI Contract	\$750,00
	ht side of Central Repair Roof (	

**DEFICIENCIES AND PROJECTS TOTAL** 

\$2,579,984.00

### INFRASTRUCTURE SERVICES DIVISION - , ACILITIES DEVELOPMENT MANAGEMENT 2010 FACILITIES INDEX ASSET SUMMARY REPORT

(SOFTWARE BY AME, INC.)

#OF BLDGS	ASSET NAME	SIZE (sf)	YEAR BUILT	CURRENT REPLACEMENT VALUE	FCI	DEFERRED TOTAL
	CITY HALL	190,770	1893	\$101,322,027	0.17	\$16,895,402
	ZEIDLER MUNICIPAL BUILDING	316,648	1959	\$45,518,698	0.29	\$13,272,817
	ANDERSON MUNICIPAL BUILDING	28,820	1954	\$6,766,500	0.28	\$1,864,538
	MUNICIPAL WAREHOUSE	80,283	1954	\$1,698,896	0.29	\$490,726
	809 BROADWAY BUILDING	92,222	1920	\$8,336,076	0.44	\$3,648,827
	WEST QUONSET HUT	1,025	1953	\$37,619	0.35	\$12,994
	EAST QUONSET HUT	1,025	1953	\$37,619	0.31	\$11,709
	MUNICIPAL SERVICE BUILDING	94,518	1926	\$8,545,458	0.32	\$2,769,709
	SAFETY ACADEMY	379,804	1965	\$22,167,539	0.24	\$5,347,058
9	GENERAL CITY BUILDINGS (MULTI DEPARTMENT USAGE)	1,185,115		\$194,430,432	0.23	\$44,313,780
	E. NORTH AV. GARAGE (VACANT)	3,132	1921	\$83,355	0	\$C
	FORESTRY CEN/SANITATION CA I HQ'S/OFFICE	23,008	1947	\$1,078,798	0.46	\$498,560
	FORESTRY NORTH/SANITATION NA I OFFICE	7,521	2002	\$824,223	0.26	\$217,660
	FORESTRY CEN/SANITATION CA I GARAGE	22,832	1996	\$1,114,626	0.12	\$137,624
	DPW FIELD HEADQUARTERS	228,250	2006	\$13,655,000	0	\$0
5	DEPARTMENT OF PUBLIC WORKS (GENERAL DPW USAGE)	284,743		\$16,756,002	0.05	\$853,844
	NORTH DISTRICT FIELD STATION	22,860	1964	\$1,800,833	1.27	\$2,279,792
	MUNI SERV QUONSET HUT	1,029	1945	\$32,390	1.28	\$41,359
	MUNI SERV STORAGE BLDG (SOUTH)	163	1945	\$3,890	2.42	\$9,430
	MUNI SERV STORAGE BLDG (NORTH)	242	1945	\$5,743	2.86	\$16,40
	SOUTH BRICK BLDG	2,581	1935	\$132,513	1.28	\$169,444
	NORTH BRICK BLDG	2,280	1935	\$115,523	1.33	\$153,400
	TRAFFIC SIGN SHOP	11,520	1964	\$594,613	1.07	\$638,529
	MUNI SERV YARD OFFICE	91	1970	\$2,778	0	\$(
	NW YARD SHED (INFRA)	192	1970	\$5,559	1.45	\$8,063
	NW YARD OIL STORAGE	840	1964	\$29,230	0.81	\$23,558
10	DPW-INFRASTRUCTURE	41,798		\$2,723,072	1.23	\$3,339,982
	SOUTHWEST SHOP	21,275	1914	\$1,444,062	2.1	\$3,036,098
	LINCOLN AVENUE GARAGE	85,124	1957	\$5,161,987	1.9	\$9,805,147
	NORTHWEST GARAGE	71,456	1948	\$4,858,849	0.4	\$1,941,9 <b>9</b> 4
	CENTRAL REPAIR GARAGE	473,932	1979	\$11,467,562	0.22	\$2,579,984
	VEHICLE WASH FACILITY	2,126	1988	\$108,729	0.07	\$7,920
	DPW FIELD HEADQUARTERS VEHICLE WASH	3,712	2006	\$490,000	0	\$0
6	DPW-FLEET	657,625		\$23,531,189	0.74	\$17,371,143

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#### INFRASTRUCTURE SERVICES DIVISION - ACILITIES DEVELOPMENT MANAGEMENT 2010 FACILITIES INDEX ASSET SUMMARY REPORT

(SOFTWARE BY AME, INC )

# OF BLDGS		SIZE (sf)	YEAR BUILT	CURRENT REPLACEMENT VALUE	FCI	DEFERRED TOTAL
	NORTH AREA II OFFICE	80,168	1969	\$186,877	1.64	\$305,854
	NORTH AREA II STORAGE	4,444	1969	\$237,846	0.59	\$139,278
	NORTH AREA II GARAGE	2,444	1969	\$101,935	0.96	\$98,218
	NORTH AREA II SALT SHED	2,400	1969	\$88,940	0.61	\$54,400
	SOUTH AREA I OFFICE	158,887	1969	\$212,362	1.82	\$385,554
	SOUTH AREA I STORAGE	4,444	1969	\$237,846	0.44	\$103,717
	SOUTH AREA I GARAGE	2,444	1969	\$101,935	0.98	\$99,80
	SOUTH AREA I SALT SHED	2,440	1969	\$88,940	1.18	\$104,71
	SOUTH AREA II OFFICE	52,091	1972	\$186,877	0.92	\$171,17
	SOUTH AREA II GARAGE	3,178	1972	\$161,394	0.52	\$83,37
	SOUTH AREA II STORAGE	4,111	1972	\$220,858	0.44	\$97,36
	SOUTH AREA II SALT SHED	2,400	1972	\$88,940	0.32	\$28,75
	CENTRAL SATELLITE OFFICE	42,063	1972	\$229,350	0.95	\$217,09
	CENTRAL SATELLITE GARAGE	2,444	1971	\$127,417	0.58	\$74,15
	CENTRAL SATELLITE STORAGE	4,333	1971	\$229,350	0.42	\$96,00
	CENTRAL SATELLITE SALT SHED	2,400	1971	\$88,940	0.71	\$63,47
	NORTHWEST TRANSFER STATION	13,748	1977	\$1,011,206	0.25	\$255,07
	NORTH AREA I SALT DOME	10,439	1999	\$627,429	0.01	\$5,97
	NORTH AREA I GARAGE (WEST)	6,750	1980	\$229,102	0.41	\$94,20
	RECYCLING EDUCATION CENTER	3,750	1976	\$295,915	0.34	\$100,68
	MATERIAL RECOVERY FACILITY (MRF)	375,459	1976	\$2,597,015	0.51	\$1,335,84
	DRIVERS LOUNGE	630	1976	\$50,400	0.64	\$32,01
	MRF SCALE HOUSE	242	1976	\$19,360	1.65	\$31,85
	HARTUNG QUARRY OFFICE	822,973	1981	\$35,550	0.5	\$17,88
	CENTRAL AREA II HQ'S OFFICE	259,261	1992	\$1,020,772	0.41	\$418,00
	CENTRAL AREA II SALT DOME	4,847	1992	\$393,541	0.07	\$28,25
	NORTH AREA II SALT DOME	5,333	1992	\$263,336	0.03	\$8,81
	CENTRAL SATELLITE SALT DOME	3,006	1992	\$158,070	0.11	\$17,30
	SOUTH AREA II SALT DOME	4,925	1995	\$322,094	0.09	\$30,00
	NORTH SELF-HELP GATE HOUSE	257,751	1995	\$67,103	0.18	\$12,32
	LINCOLN AV TRANSFER STATION	291,852	1995	\$2,235,461	0.18	\$391,66
	LINCOLN AV SCALE HOUSE	684	1995	\$66,947	0.22	\$14,51
	SOUTH SELF-HELP GATE HOUSE	331	1995	\$50,121	0.17	\$8,76
	SANITATION CENTRAL AREA I SALT DOME	5,026	1999	\$288,729	0.01	\$1,48
	SOUTH AREA I SALT DOME	10,783	1996	\$282,106	0.05	\$14,33
	NORTHWEST GARAGE SALT DOME	10,000	2009	\$730,000	0	\$
	NORTH STORAGE YARD	55,149		\$0	Ō	\$
37	DPW-SANITATION	2,513,630		\$13,334,064	0.37	\$4,941,95

#### INFRASTRUCTURE SERVICES DIVISION - rACILITIES DEVELOPMENT MANAGEMENT 2010 FACILITIES INDEX ASSET SUMMARY REPORT

(SOFTWARE BY AME, INC )

# OF BLDGS		SIZE (sf)	YEAR BUILT	CURRENT REPLACEMENT VALUE	FCI	DEFERRED TOTAL
		17 010	4029	£280.110	0.52	¢004.74
	NURSERY GREENHOUSE (OLD) OFFICE/ STORAGE HAWTHORN	17,210 3,100	1938 1951	\$389,110	0.53 1.35	\$204,74 \$107,68
	NURSERY RESIDENCE	3,100	1936	\$79,708 \$268,671	2.21	\$593,32
	NURSERY GARAGE	6,544	1956	\$57,762	2.21	\$130,81
	NURSERY IMPLEMENT SHED	1,400	1900	\$130,433	0.29	\$38,20
	NURSERY TREE BARN	2,483	1936	\$46,322	0.29	\$45,63
	NURSERY QUONSET HUT	2,403	1950	\$32,390	0.95	\$45,63
	FORESTRY CENTRAL STORAGE (WEST)	1,078	1950	\$77,810	1.17	\$29,90 \$91,16
	FORESTRY GARAGE/STORAGE (NORTH)	18,000	1947	\$513,502	0.32	\$91,10 \$161,94
	FORESTRY NORTH SOIL DOME	2,747	1980	\$106,524	0.32	\$7,01
	FORESTRY SOUTH HEADQUARTERS	2,747	1939	\$1,924,577	0.46	\$7,01 \$876,88
	NORTH AUXILIARY GREENHOUSE	1,344	1939	\$1,924,577	0.40	4070,00 \$
	FORESTRY SOUTH STORAGE (WEST)	1,544	1985	\$100,288	0.16	\$16,35
	FORESTRY CENTRAL STORAGE (EAST)	1,000	1939	\$100,288	1.68	\$34,55
	SOUTH AUXILIARY GREENHOUSE	2,718	1988	\$30,021	0.01	\$34,55
	NURSERY GREENHOUSE (NEW)	17,892	1900	\$1,139,519	0.01	\$458,95
	FORESTRY SOUTH GARAGE	7,600	1996	\$218,700	0.4	\$55,67
	FORESTRY CENTRAL SOIL SHED	1,800	2002	\$221,902	0.23	\$4,98
18	DPW-FORESTRY	181,044	2002	\$5,372,788	0.53	\$2,858,06
				<b>*</b> 740.007	• •	<b>*</b> ***
		9,440	1965	\$712,527	0.1	\$68,43
	2ND & PLANKINTON PARKING STRUCTURE	28,314	1960	\$7,608,995	0.01	\$52,82
	MILWAUKEE-MICHIGAN PARKING STRUCTURE	158,001	1956	\$6,177,853	0	\$8,36
	MACARTHUR SQ. PARKING STRUCTURE	643,351	1965	\$23,942,972	0.07	\$1,782,05
	4TH & HIGHLAND PARKING STRUCTURE	60,984	1988	\$15,629,867	0.14	\$2,123,65
	1000 N. WATER PARKING STRUCTURE	76,000	1991	\$30,056,264	0	\$23,95
	PARKING ENFORCEMENT HEADQUARTERS	24,040	1988	\$1,254,584	0	
7	DPW ÁDMÍN PARKING	1,000,130		\$85,383,062	0.05	\$4,059,28
92	GRAND TOTAL	5,864,085		\$341,530,609	0.23	\$77,738,05

# FLEET REPLACEMENT ANNUAL ANALYSIS

- Budget Scenarios write-up
- Fleet Replacement Value
  - Capital Improvement Request Form Yr, 2010
- O&M Fleet Equipment Replacement Scenarios
- Capital Fleet Equipment Replacement Scenarios

### Fleet Replacement Budget Scenarios DPW – City of Milwaukee, Fleet Services February, 2010

Each year the City of Milwaukee Fleet Services Section submits at least three replacement equipment budget scenarios, which provide snapshots of the overall age of the fleet. These three budget scenarios include **Preferred**, **Continuation**, and **Allocated** levels of funding. Each budget scenario lists the *optimal average age*, the *current average age*, and the *estimated average age* based on that level of funding.

While current average age and estimated average age are easily understood, *optimal average age* needs a little explanation. Optimal average age is the midpoint in the life cycle. If the fleet establishes a life cycle schedule of 10 years for cars, the optimal average age of cars would be 5 years.

For example, assume that a fleet owns 100 cars, and has a life cycle expectancy of 10 years for each car. If the fleet replaced 10 cars each year, there would be 10 cars of each age, 0-9 in the fleet, and the average age of all cars in the fleet would be 5 years. In this case, the optimal average age for cars is also 5 years, indicating that the fleet is being replaced at a the desired level.

However, since replacement funding is not always guaranteed, the average age of any type of equipment will gradually rise when replacement funding is not adequate to keep up with an established replacement schedule. A fleet of cars with an average age of 10 years probably includes several cars that are 19-20 years old.

As demonstrated in the following budget scenarios, a less than adequate amount of budget funding over several years has resulted in a current average age much higher than the optimal average age. The estimated average age at that funding level provides a snapshot of the expected fleet age during the coming year.

It can take many years of subsequent additional funding at the **Preferred** budget level to bring the fleet back down toward the optimal average age. During this time, repair costs per mile (or per hour) will rise with the additional and sometimes costly maintenance necessary when keeping fleet equipment beyond its economically useful life.

Likewise, the **Continuation**, or cost to continue scenario, indicates the budget funding level required to keep the fleet at its current average age. Furthermore, the **Allocated** scenario indicates the various average ages of the fleet based on a level of funding proposed for fleet replacement. In evaluating fleet replacement, various fleet industry best management practices are utilized along with time tested publications e.g. "MANAGING PUBLIC EQUIPMENT" 3<sup>rd</sup> edition by APWA.

## Buildings and Fleet Division Equipment Replacement Value and Proposed Annual Budget

				·	1	· · · · · · · · · · · · · · · · · · ·				l	
				Average Age -							
		Purchased by	Fleet Services	All City of	Optimal	Desirable		Estimated		Annual Funding	Total Fleet
			Responsible to	Milwaukee	Average	Replacement	ESS Need	Cost Each	Replacement	Needed (Fleet	Replacement Value
Description	Qty of Type	Services group		Units	Age	Cycle (years)			Value (All)		(Fleet Services Only)
AERIAL MAN LIFT TRUCK	40			7.93	4.0			145,000.00	5,800,000.00		
BACKHOE/LOADER	23			7.57	5.0			100,000.00	2,300,000.00		
BOAT- NON POLICE	1								22,000.00		
BREAKER FOR BACKHOE	51	29	22	19.16	5.0				739,500.00		319,000.00
BRUSH CHIPPER	15			7.13	4.5			45,000.00	675,000.00		675,000.00
BUCKET SEWER CLEANER - TRAILER	6			21.71	5.0				30,000.00		0.00
CAR	101	17	84	11.55	5.0				1,919,000.00		1,596,000.00
CARRYALL/SUBURBAN TYPE	14	1	13	10.29	5.0				499,800.00		
CHLORINATOR - TRAILER		1	0	14.00					45,000.00		0.00
COMPRESSOR - DUMP TRUCK	7	2	5	6.43	5.5				630,000.00		450,000.00
COMPRESSOR - TRAILER OR SKID	80	21	59	14.88	5.5	11		17,500.00	1,400,000.00		1,032,500.00
COMPRESSOR TRUCK	24			11.83	5.5				1,572,000.00		1,572,000.00
CONCRETE MIXER	4	0	4	17.00	3.0	6		3,500.00	14,000.00		14,000.00
CONCRETE STRIKE OFF	2	0	2	24.00	3.0	6			7,000.00		7,000.00
CONTRACTOR BODY DUMP	4	4	0	15.75	6.0	12			324,000.00		0.00
CRAWLER DOZER	2	0	2	16.00	10.0	20		130,750.00	261,500.00		261,500.00
DERRICK DIGGER	- 6	Ō	6	17.44	5.0			205,000.00	1,230,000.00		
DRILL RIG	7	7	0	11.14	5.0	10		145,000.00	1,015,000.00		0.00
DUMP - 1 TON 2 YARD	72	15	57	8.99	5.0	10			2,808,000.00		2,223,000.00
DUMP - 2 TON 5 YARD	30		24	10.73	6.0	12	2.00	110,000.00	3,300,000.00		2,640,000.00
DUMP - SALTER	25	Ö		13.04	5.5	11			3,200,000.00		3,200,000.00
DUMP - SALTER w/UNDERBELLY PLOW	103	0	103	5.22	5.5	11			13,184,000.00		13,184,000.00
DUMP - TRIAXLE	44		28	7.95	6.0	12	2.33	140,000.00	6,160,000.00		3,920,000.00
DUMP 5 PASSANGER INSULATED	19	0	- 19	9.47	6.0	12	1.58	85,800.00	1,630,200.00		1,630,200.00
DUMP TANDEM AXLE	1	1	0	16.00	6.0	12	0.00	120,000.00	120,000.00		0.00
ENDLOADER	12		12	17.67	7.5	15	0.80	135,000.00	1,620,000.00	108,000.00	1,620,000.00
FLOOR SWEEPER	10	4	6	10.90	7.5	15	0.40	27,000.00	270,000.00		162,000.00
FLUSHER	1	1	0	15.00	5.0	10	0.00	14,000.00	14,000.00		0.00
FORKLIFT	16		11	18.38	7.5	15	0.73		720,000.00		495,000.00
GRAPPLE - SKID LOADER ATTACHMENT	14		14	9.57	2.5	5	2.80	3,000.00	42,000.00		42,000.00
GENERATOR	50	22	28	11.60	5.0	10	2.80	10,000.00	500,000.00	28,000.00	280,000.00
GRADALL - EXCAVATOR/CRANE	3		3	13.00	7.5	15	0.20	295,000.00	885,000.00	59,000.00	885,000.00
GRINDER/CRACK ROUTER SCABBLER	6	1	5	17.00	4.0	8	0.63	13,125.00	78,750.00		65,625.00
MULTI-PURPOSE SIDEWALK TRACTOR	36	0	36	6.33	6.5	13	2.77	95,000.00	3,420,000.00		3,420,000.00
HYDROCRANE - BASIN CLEANER	4	4	0	26.00	6.0	12	0.00	130,000.00	520,000.00		0.00
HYDROCRANE BUCKET ATTACHMENT	8	8	0	48.00	15.0	30	0.00	2,000.00	16,000.00	0.00	0.00
JEEP - PARKING ENFORCEMENT	56	56	0	4.95	4.0	8	0.00	23,600.00	1,321,600.00		0.00
JET VAC	9	9	0	6.94	5.0	10	0.00	250,000.00	2,250,000.00	0.00	0.00
LEAF HOPPER	15	0	15	12.00	5.0	10	1.50	3,500.00	52,500.00	5,250.00	52,500.00

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### Buildings and Fleet Division Equipment Replacement Value and Proposed Annual Budget

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		<b>_</b>		Average Age -						
			Fleet Services	All City of	Optimal	Desirable	 Estimated		Annual Funding	
Description	0. (7		Responsible to	Milwaukee	Average	Replacement	Cost Each	Replacement		Replacement Value
Description	Qty of Type	Services group		Units	Age	Cycle (years)		Value (All)		(Fleet Services Only)
	44	0		12.07	5.0		 5,800.00	255,200.00		
	115	0		11.25	5.0			552,000.00		
LIGHT VANS	101	26		9.64	5.0			2,626,000.00		
	1	0	,	21.00	3.0		3,150.00	3,150.00		
	3		-	30.33	3.0	6		9,450.00		
MINIVAN - PASSENGER VAN	5	0		8.40	5.0		137,500.00	687,500.00		
	9		5	14.89	5.0			220,500.00		
MISCELLANEOUS SMALL TRACTORS	22	22		11.77	5.0	10		33,000.00		
MOBILE MEDICAL UNIT	203	23		16.37	7.5	15		1,522,500.00		
MOWER - FLAIL ATTACHMENT	2			15.00	6.0	12	175,000.00	350,000.00		
PACKER - REAR LOAD CONTAINER	24	2		9.58	6.5	13		204,000.00		187,000.00
PACKER RECYCLING	5 49			9.00	5.5	11	125,000.00	625,000.00		
PACKER TOP LOADING				7.45	5.5	11	280,000.00	13,720,000.00		
PACKER W/O CART LIFTERS 25 YD	8			7.38	4.5	9	210,000.00	1,680,000.00		1,680,000.00
PACKER WITH CART LIFTERS 25 YD	2 124	0		21.00	5.5		225,000.00	450,000.00		
PAVEMENT BREAKER	2	0		8.06	5.5	11	230,000.00	28,520,000.00		28,520,000.00
PICK UP - ALL TYPES	255	56		<u> </u>	6.0 5.5	12		50,000.00		50,000.00
POLICE DEPT - VEHICLE_EQUIP	782	782	199	5.59	4.0	<u>11</u> 8		7,140,000.00		
PRESSURE TESTER TRAILER	. 702	102	0	17.00	4.0	8	· · · ·	20,488,400.00 30,000.00		
PUMP	3		2	22.00	7.5	o 15		48,825.00		
ROAD PATCHER TRUCK	2			11.00	5.0	10	235,000.00	470,000.00		
ROAD PLANER - PROFILER		0		7.00	4.0	8	375,250.00	375,250.00		
ROLLOFF CONTAINER	237	0		11.95	7.5	15		817,650.00		
ROLLOFF TRUCK	13	0		12.54	5.5		147,000.00	1,911,000.00		1,911,000.00
ROOT CUTTER	2	0		12.54	5.0	10		75,600.00		
SALT CONVEYOR	2	-		11.00	5.0	10		124,540.00		,
SALT CONVEYOR POWER UNIT	2		_	6.00	5.0	10		119,860.00		
SALT SPREADER	188	9		7.99	10.0	20		3,760,000.00		
SAND BLASTER	5	-		20.60	5.0	10		144,125.00		
SAW - CONCRETE/ASPHALT	9	_	<b>_</b>	10.33	4.0	8		137,025.00		
SEWER JET	4	4	0	2.75	6.0	12	175,000.00	700,000.00		
SEWER OR DUCT RODDER	4			10.75	6.0	12	120,000.00	480,000.00		
SHOP CRANE - SMALL MOBIL	7	1	- 6	24.43	7.5	15	110,000.00	770,000.00		
SIDEWALK SWEEPER	4	0		9.50	4.0	8		300,000.00		
SKID STEER LOADER	20		-	8.15	4.5	<u>9</u>		640,000.00		
SNOW BLOWER FOR SMALL TRACTOR	20		19	4.95	5.0	10		190,000.00		
SNOW BLOWER FOR ENDLOADER	12	0		30.58	15.0			922,200.00		
SNOW PLOW	802	14	788	17.99	15.0		10,300.00	8,260,600.00		8,116,400.00

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## Buildings and Fleet Division Equipment Replacement Value and Proposed Annual Budget

		Purchased by	Fleet Services	Average Age - All City of	Optimal	Desirable		Estimated		Annual Funding	Total Fleet
			Responsible to		Average	Replacement	FSS Need	Cost Each	Replacement		Replacement Value
Description	Qty of Type	Services group		Units	Age	Cycle (years)			Value (All)		(Fleet Services Only)
SOD CUTTER/SOIL SHREDDER	4	0	4	26.25	3.0			11,500.00	46,000.00		46,000.00
SPRAYER - TRAILER MOUNTED	4	0	4	32.00	5.0		0.40	1,750.00	7,000.00	-	7,000.00
STAKE TRUCK	34	16	18	11.41	5.0	10	1.80	74,000.00	2,516,000.00	133,200.00	1,332,000.00
STEAM CLEANER PRESSURE WASHER	5	0	5	17.20	7.5	15	0.33	7,000.00	35,000.00	2,333.33	35,000.00
STEP VAN	74	48	26	9.00	6.0	12	2.17	80,000.00	5,920,000.00	173,333.33	2,080,000.00
STREET SWEEPER	21	0	21	6.62	4.5		2.33	170,000.00	3,570,000.00	396,666.67	3,570,000.00
STUMP CUTTER	7	0	7	9.29	3.0		1.17	42,000.00	294,000.00	49,000.00	294,000.00
TAR KETTLE	13	0	13	9.69	5.0	10	1.30	8,715.00	113,295.00		113,295.00
TAR MELTER	6	0	6	11.33	4.0	8	0.75	28,000.00	168,000.00	21,000.00	168,000.00
TILT TOP CAR CARRIER	1	0	1	4.00	6.0	12		80,000.00	80,000.00		80,000.00
TRAILER CABLE REEL	11	0		21.00	7.5	15		14,500.00	159,500.00		159,500.00
TREE SPADE	4	. 0		18.75		8			106,700.00		106,700.00
TRENCHER	13			13.85	4.0	8			1,430,000.00		1,430,000.00
UNDER BRIDGE INSP. BOOM TRUCK	1	0		18.00	7.5			475,000.00	475,000.00		475,000.00
VAC ALL	4		•	15.50		10	0.40	220,000.00			880,000.00
VACUUM UNIT - SKID MOUNTED	8		-	9.88	5.0	10		, , , , , , , , , , , , , , , , , , ,	352,000.00		0.00
VEHICLE HEATER/TOOL HEATER	63			6.68	5.0	10	2.40		229,950.00		87,600.00
VIBRATORY ROLLER	17			10.35	4.0	8		16,000.00			272,000.00
VIBRATORY SOIL COMPACTOR	9	-	•	8.67	3.0	6		4,200.00	37,800.00		37,800.00
WATER WAGON	1	0		27.00	7.5		0.07	6,900.00	6,900.00		6,900.00
WELDER	9			25.44	5.0				125,325.00		
WRECKER HEAVY	1	0	1	19.00	10.0	20		250,000.00			250,000.00
WRECKER LIGHT	5	3	2	8.80	4.0	8	0.25	75,000.00	375,000.00	18,750.00	150,000.00
Totals/Averages	4331	1318	3013	12.79	5.6	11.3	221.08		\$177,458,695.00	] \$11,820,755.74	\$134,263,045.00

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# Capital Improvement Request Form Part I

Project/Program Title:		Fleet Equipment Replacement Program	Requesting Department: DPW/Operations: Buildings & Fleet Svc					
Prepared By/Phone Ext:		Fleet Services Section, Ext. 2459	Department Head Signature:					
Junt No:		BU110021200						
A)		8_of10_ Useful Life10	Years Level of Need 🔽 Essential 🗹 Important 🛄 Desired Project/Program Scope 🗸 Fully Defined					
B)	Miscellaneous Develo	Remodeling	Street Lighting       Communications       Recreation         Environmental       Port       Parking         stroom       Security       Exterior       Entire Facility         evators       Garage       Mechanical         Other					
C)	Project/Program Dura One Year On-Going Program Multi-Year	ation Yes No Yes No Yes No Number of Year	8					
D)	Total Positions       Total FTEs         Position Title       No. of Positions       FTEs       Salaries \$							
E)	In Six Year Capital Im Yes 📝 2008-2013		dified 🗌 New Request					
F)	Project/Program Just This project involves the a the City's fleet of motor ve frequency of repairs increa	annual replacement of fleet equipment that ha shicle indicates that at a point in a vehicle's lif	is exceeded its expected life and is beyond economical repair. An analysis of e cycle, the cost of operating that vehicle begins to rise as downtime and					
G)	Additional Comments See Attached.	5						
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# Capital Improvement Request Part II

Requesting Department:	DPW/Operations	Building & Fleet Servi	ces					
Project/Program Title:	Fleet Equipment	Replacement Program			Account No:	BU110021200		
Year	Č.	Tax Levy/Borrowing	Grant & Aid	Re	evenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2009								\$0
2010 Budget Request		\$5,500,000						\$5,500,000
2011 Projection		\$10,111,180		1				\$10,111,180
2012 Projection		\$11,139,189						\$11,139,189
2013 Projection		\$11,906,474						\$11,906,474
2014 Projection		\$12,261,000		-				\$12,261,000
2015 Projection		\$12,510,100						\$12,510,100
Total Six Year Cost		\$63,427,943	\$0		\$0	\$0	\$0	\$63,427,943
Total Project Cost		\$63,427,943	\$0		\$0	\$0	\$0	\$63,427,943
		<u> </u>		I	,I			-
Life to Date Expenditures (Projec	t Only)	\$0	\$0		\$0	\$0	\$0	\$0
Available Cost Estimate:	201	0 2011	2012 20	013	2014	2015		
Thorough Cost Estimate								
Limited Information								
Based on Cost of Similar Proje	لكا	<b>~</b>		~	I	<b>I</b>		
Unsupported								
Were cost estimates confirmed b	?	🗹 Yes 🗌 No 🗌	Uncertain					
Are cost estimates based on indu		✓ Yes No C						
Will city employees be performing	he work?	🗹 Yes 🗌 No 🗌	Uncertain					
Did you perform a cost/benefit an	alysis?		🗌 Yes 🗹 No 🗌	Uncertain				
How will this project impact city o	perating expendi	turee?	<b></b> . <b>r</b>		<b>—</b>			
now will this project impact out o	perading experior		🔄 Increase	Decrease	None None			
Estimated Start Date: In-Progress								
Estimated Completion Date: On-Going								
			Department Head \$	Signature				
			Prepared By/Phone Ext Fleet Services Section, Ext 2459			9		

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### City of Milwaukee-Fleet Services 2010 Approved O+M Equipment

	Unit		2010
Equipment Name	Cost	Units	Proposed
		_	
Cars, Compact	14,000	2	28,000
Compactor, Vibratory	2,000	1	2,000
Endloader, Skid-Steer, 1,350 lb. w/Trailer	29,000	1	29,000
Roller, Vibratory	16,000	1	16,000
Truck, Pickup, 4400 lb. 4x2	20,000	3	60,000
Truck, Pickup, 8600 lb. 4x2	25,000	1	25,000
Truck, Pickup, 9200 lb. 4x4 /Plow, Salter	40,000	2	80,000
Truck, Platform, 11,000 lb.	29,000	1	29,000
Truck, Van, Cargo, 5600 lb.	24,000	2	48,000
Truck, Van, Cargo, 9500 lb.	27,000	2	54,000
Computer Hardware	1,500	10	15,000
Engine Diagnostic Analyzer	6,000	1	6,000
Scanner	5,000	1	5,000
O&M Total: Allocated (2010)	\$ 397,000		

### City of Milwaukee-Fleet Services 2010 Allocated O+M Equipment

Equipment Name	Unit Cost	Units	2010 Proposed	Current Qty	<sup>Life</sup> Cycle	Optimum Age	Existing Age	Age if Purchased
Cars, Compact	14,000	4	56,000	101	10	5	11.6	10.8
Compactor, Vibratory	2,000	1	2,000	9	6	3	8.7	6.8
Endloader, Skid-Steer, 1,350 lb. w/Trailer	29,000	1	29,000	20	9	4.5	8.2	7.3
Roller, Vibratory	16,000	1	16,000	17	8	4	10.4	9.4
Truck, Pickup, 4400 lb. 4x2	20,000	3	60,000	67	10	5	10.6	9.7
Truck, Pickup, 8600 lb. 4x2	25,000	3	75,000	22	10	5	17.1	14.3
Truck, Pickup, 9200 lb. 4x4 /Plow, Salter	40,000	2	80,000	20	10	5	11.0	9.5
Truck, Pickup, 8600 lb. w/ Utility Body	46,000	1	46,000	21	10	5	13.2	12.1
Truck, Platform, 11,000 lb.	29,000	1	29,000	32	10	5	8.8	8.0
Truck, Van, Cargo, 5600 lb.	24,000	4	96,000	35	10	5	10.3	8.0
Truck, Van, Cargo, 9500 lb.	27,000	4	108,000	46	10	5	7.9	6.2
Computer Hardware	1,500	30	45,000					
Engine Diagnostic Analyzer	6,000	1	6,000					
Scanner	5,000	1	5,000					
&M Total: Allocated (2010)			\$ 653,000					

The **O&M** Total: Allocated figure will result in an increase in the current average age of major O&M units to 11.3 years. The oldest equipment units in each group would be replaced. This equipment is 10 - 24 years old. These older vehicles require more maintenance and repairs and experience increased downtime, which negatively affects the delivery of City services.

Optimal average age expected using desired replacement schedule: **5.0** years Current average age of above O&M equipment: **10.2** years Estimated average age of O&M equipment based on above funding level: **11.3** years

#### **Quick Facts**

1. Above O&M equipment analysis pertains to 893 pieces of major O&M equipment, including all cars, trucks, vans, and all other motorized units plus large salt hoppers. Not included are long-life, seasonal use pieces of equipment such as plows, trailers, breakers, buckets, leaf rakes, pans and ramps, and other attachments. The total of all types of Fleet Services owned O&M equipment is 1,959 units.

2. Equipment Numbers: Overall Fleet Count-All units	4,056	Fleet, DPV	V, Water, Sewers, Po	blice. Value: \$167 million
Fleet Services equipment only	1,959	O&M	\$29.4 million	76.2% of quantity
	610	Capital	\$93.6 million	23.8% of quantity
	2,569		\$123 million	100%

#### 2010 Requested O+M Equipment

	Unit	11-14-	Funds for
Equipment Name	Cost	Units	2010
Cars, Compact	14,000	6	84,000
Cars, Mid-Size	17,000	0	
Cars, Station Wagon	19,000	1	19,000
Chipper, Brush	40,000	2	80,000
Compactor, Vibratory	2,000	1	2,000
Compressor, Trailer Mounted	16,000	0	-
Endloader, Skid-Steer, 1,350 lb. w/Trailer	27,500	2	55,000
Roller, Vibratory	16,000	1	16,000
Sealant Melter	28,000	0	-
Spreader, 1.7 Yard	6,000	0	-
Stump Cutter	42,000	0	-
Tar Kettle	10,000	0	-
Truck, Dump, 2 Yard	39,000	1	39,000
Truck, Pickup, 4400 lb. 4x2	20,000	7	140,000
Truck, Pickup, 4600 lb. 4x4	26,000	0	-
Truck, Pickup, 8600 lb. 4x2	24,000	4	96,000
Truck, Pickup, 9200 lb. 4x4 /Plow, Salter	38,000	2	76,000
Truck, Pickup, 8600 lb. w/ Utility Body	33,000	1	33,000
Truck, Pickup, 11,000 lb. w/ Utility Body	46,000	3	138,000
Truck, Platform, 11,000 lb.	30,000	0	-
Truck, Van, Cargo, 5600 lb.	24,000	2	48,000
Truck, Van, Cargo, 9500 lb.	26,000	12	312,000
Truck, Van, 8-Passenger	26,000	0	- 8
Computer Hardware	1,500	30	45,000
Engine Diagnostic Analyzer	6,000	1	6,000
Scanner	5,000	1	5,000
O&M Total: Continuation (2010)	-	\$ 1,194,000	

The **O&M** Total: Continuation figure reflects an amount needed to maintain the current average age of major O&M units at **10.2 years**. The oldest equipment units in each group would be replaced. This equipment is 10 - 24 years old. These older vehicles require more maintenance and repairs and experience increased downtime, which negatively affects the delivery of City services.

Optimal average age expected using desired replacement schedule: **5.0** years Current average age of above O&M equipment: **10.2** years Estimated average age of O&M equipment based on above funding level: **10.2** years

#### 2010 Requested O+M Equipment

Equipment Name	Unit Cost	Units	Funds for 2010
Cars, Compact-Hybrid	20,000	34	680,000
Cars, Mid-Size	18,000	2	36,000
Cars, Station Wagon	19,000	2	38,000
Chipper, Brush	48,000	5	240,000
Compactor, Vibratory	2,000	4	8,000
Compressor, Trailer Mounted	16,000	10	160,000
Endloader, Skid-Steer, 1,350 lb. w/Trailer	29,000	10	290,000
Roller, Vibratory	16,000	9	144,000
Sealant Melter	31,000	3	93,000
Spreader, 1.7 Yard	7,000	5	35,000
Stump Cutter	42,000	2	84,000
Tar Kettle	9,000	4	36,000
Truck, Dump, 2 Yard	45,000	15	675,000
Truck, Pickup, 4400 lb. 4x2	20,000	19	380,000
Truck, Pickup, 4600 lb. 4x4	26,000	2	52,000
Truck, Pickup, 8600 lb. 4x2	25,000	42	1,050,000
Truck, Pickup, 9200 lb. 4x4 /Plow, Salter	40,000	18	720,000
Truck, Pickup, 8600 lb. w/ Utility Body	46,000	9	414,000
Truck, Platform, 11,000 lb.	30,000	6	180,000
Truck, Van, Cargo, 5600 lb.	24,000	16	384,000
Truck, Van, Cargo, 9500 lb.	27,000	21	567,000
Truck, Van, 8-Passenger	26,000	2	52,000
Computer Hardware	1,500	30	45,000
Engine Diagnostic Analyzer	6,000	1	6,000
Scanner	5,000	1	5,000
O&M Total Preferred (2010)		-	\$ 6,374,000

The **O&M Total-Preferred** figure reflects an amount needed to replace all major O&M units that have reached or exceeded their expected life cycle (10 years for vehicles). Funding at this level would reduce the average age of major O&M equipment by **50%**. The equipment to be replaced on the above list is 10 - 24 years old. The replacement of these vehicles would greatly enhance the delivery of City services, while reducing the need for major maintenance expense.

Optimal average age expected using desired replacement schedule: **5.0** years Current average age of above O&M equipment: **10.2** years Estimated average age of O&M equipment based on above funding level: **5.7** years

### 2010 Capital Budget (Allocated)

Equipment Name	Units	Cost Each	Dollars
Sweeper	1	155,000	155,000
Tractor Light, Multi-Purpose	4	80,000	320,000
Truck, Aenal, 50 Ft. Utility Body	1	145,000	145,000
Truck, Aerial, 50 Ft., Chip Box	1	149,000	149,000
Truck, Dump, 2 Yard w/Compressor	1	88,000	88,000
Truck, Dump, 5 Yard w/Underbody Plow	5	140,000	700,000
Truck, Dump, 5 Yard, Crew Cab	2	85,000	170,000
Truck, Log Loader	1	140,000	140,000
Truck, Packer, 25 Yard Rearload	3	220,000	660,000
Truck, Packer, 25 Yard w/Ramp Lift Arm	2	224,000	448,000
Truck, Packer, 25 Yard Recycle	6	260,000	1,560,000
Truck, Pickup, Utility	10	54,000	540,000
Truck, Platform/Compressor/Salter/Plow	3	70,000	210,000
Truck, Vac-All	1	215,000	215,000

#### **Capital Total-Allocated 2010**

5,500,000

The Capital Total-Allocated above reflects the amount distributed for replacement capital equipment, as submitted. This amount is lower than what is needed to sustain the fleet in its current condition, and will most likely result in loss of equipment availability.

Optimal average age expected using desired replacement schedule - 6.0 years Current average age of capital equipment - 9.5 years.

Estimated average age of capital equipment based on above funding level: 10.1 years

### 2010 Capital Budget (Continuation)

Equipment Name	Units	Cost Each	Dollars
Backhoe/Loader	1	100,000	100,000
Crane, Sidewalk Excavator	1	295,000	295,000
Sweeper	2	155,000	310,000
Tractor Light, Multi-Purpose	6	85,000	510,000
Tractor, Front-End Wheel Loader	2	125,000	250,000
Truck, Aerial, 36 Ft. Step Van Body	1	145,000	145,000
Truck, Aerial, 36 Ft. Utility Body	1	140,000	140,000
Truck, Aerial, 50 Ft. Utility Body	1	145,000	145,000
Truck, Aerial, 50 Ft., Chip Box	1	150,000	150,000
Truck, Dump, 16 Yard Tri-Axle	2	140,000	280,000
Truck, Dump, 2 Yard w/Compressor	1	90,000	90,000
Truck, Dump, 5 Yard	2	110,000	220,000
Truck, Dump, 5 Yard w/Underbody Plow	6	140,000	840,000
Truck, Dump, 5 Yard, Crew Cab	2	85,000	170,000
Truck, Log Loader	1	140,000	140,000
Truck, Packer, 25 Yard Rearload	6	220,000	1,320,000
Truck, Packer, 25 Yard w/Ramp Lift Arm	2	225,000	450,000
Truck, Packer, 25 Yard Recycle	8	260,000	2,080,000
Truck, Pickup, Utility	12	54,000	648,000
Truck, Platform/Compressor/Salter/Plow	5	70,000	350,000
Truck, Vac-All	1	220,000	220,000

#### **Capital Total-Continuation 2010**

8,853,000

The **Capital Total-Continuation** above reflects the amount needed to maintain the fleet of capital equipment at its current approximate average age of 9.5 years. Funding below this level will result in a gradual but continual increase in the average age of the fleet, and corresponding reduction in available equipment.

Optimal average age expected using desired replacement schedule - 6.0 years Current average age of capital equipment - 9.5 years.

Estimated average age of capital equipment based on above funding level: 9.5 years

### 2010 Capital Budget (Preferred)

Equipment Name	Units	Cost Each	Dollars
Backhoe/Loader	1	100,000	100,000
Crane, Sidewalk Excavator	1	295,000	295,000
Sweeper	3	155,000	465,000
Tractor Light, Multi-Purpose	6	85,000	510,000
Tractor, Front-End Wheel Loader	3	125,000	375,000
Truck, Aerial, 36 Ft. Step Van Body	1	145,000	145,000
Truck, Aerial, 36 Ft. Utility Body	1	140,000	140,000
Truck, Aerial, 50 Ft. Utility Body	1	145,000	145,000
Truck, Aerial, 50 Ft., Chip Box	1	150,000	150,000
Truck, Dump, 16 Yard Tri-Axle	2	140,000	280,000
Truck, Dump, 2 Yard w/Compressor	1	90,000	90,000
Truck, Dump, 5 Yard	4	110,000	440,000
Truck, Dump, 5 Yard w/Underbody Plow	8	140,000	1,120,000
Truck, Dump, 5 Yard, Crew Cab	4	85,000	340,000
Truck, Log Loader	1	140,000	140,000
Truck, Packer, 25 Yard Rearload	8	220,000	1,760,000
Truck, Packer, 25 Yard w/Ramp Lift Arm	3	225,000	675,000
Truck, Packer, 25 Yard Recycle	9	260,000	2,340,000
Truck, Pickup, Utility	12	54,000	648,000
Truck, Platform/Compressor/Salter/Plow	5	70,000	350,000
Truck, Roll-Off	1	147,000	147,000
Truck, Road Patcher	1	230,000	230,000
Truck, Step Van	2	75,000	150,000
Truck, Vac-All	1	220,000	220,000

#### Capital Total-Preferred 2010

11,255,000

The **Capital Total-Preferred** figure reflects an amount needed to gradually reduce the average age of capital vehicles toward a more manageable optimal age. Older vehicles require more maintenance and repairs, and experience increased downtime, which affect the delivery of City services

Optimal average age expected using desired replacement schedule - 6.0 years Current average age of capital equipment - 9.5 years Estimated average age of capital equipment based on above funding level - 9.1 years

### FORESTRY

- Basis for Forestry's 3 Capital Improvement Programs
- 2010 Capital Improvements Requests

David Sivyer Forestry Services Manager

### Capital Budget – Program Justification Environmental Services – Forestry Section

#### **Capital Tree Planting and Production**

This Capital program funds the replacement of dead and diseased street trees removed by forestry staff for public safety reasons, and the replacement of trees removed in street construction projects annually. This program also funds tree production costs at the City Nursery, which is able to produce high quality street trees at 50% of the cost of comparable wholesale purchase.

The Environmental Services – Forestry Section has identified a 98% street tree stocking level and improved street tree species diversity as important goals to protect the City against catastrophic street tree losses from insects and disease such as Emerald Ash Borer. Meeting these goals ensures that the ecological service benefits including energy conservation, storm water reduction, air quality improvements, and carbon storage, as well as economic and neighborhood quality of life benefits derived from Milwaukee's urban tree canopy are preserved.

#### Concealed Irrigation

This program replaces infrastructure related to irrigation and landscaped boulevard medians in conjunction with the City's Paving Program. Under the current bed only irrigation policy, deep water taps distributed throughout the City's 120 miles of landscaped boulevards are maintained to keep the infrastructure functional and compliant with existing plumbing codes. Concealed irrigation infrastructure (irrigation pipe, heads, spray nozzles) that service the City's new signature beds are maintained in the signature bed island only. Also funded are irrigation systems to support new landscape projects.

#### Emerald Ash Borer Readiness and Response Planning

This Capital program funds Emerald Ash Borer (EAB) readiness and response strategies including the inoculation of 14,000 ash street trees annually, EAB risk assessment, risk management and community outreach activities.

To manage public safety risk with Milwaukee's 33,000 ash street trees, the Forestry Division initiated an ash tree injection program in 2009. The program targets ash trees 8" or larger in diameter and provide two years of protection. Ash trees smaller than 8" diameter will be preemptively removed and replaced with resistant species. Forestry plans to inject ½ of the ash street tree population annually over a period of many years while transitioning to resistant species. This strategy will allow Forestry to effectively manage public safety risk associated with EAB and progressively remove 33,000 ash street trees on a schedule that does not significantly disrupt other important forestry operations such as pruning, boulevard beautification and maintenance, tree planting, etc., while preserving street tree canopy and associated benefits during the transition.

# Capital Improvement Request Form Part I

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140,944.00
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ng Program.

# Capital Improvement Request Part II

Requesting Department: DPW Operations - Environmental Services - Forestry								
Project/Program Titie:	Concealed Irriga	tion/General Landscapi	ng - City Bouleva	rds	Account No:	PR58180300		
Year		Tax Levy/Borrowing	Grant & Aid	R	evenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2010				40				\$0
2010 Budget Request		\$462,879				19		\$462,879
2011 Projection		\$750,000						\$750,000
2012 Projection		\$750,000				:		\$750,000
2013 Projection		\$750,000						\$750,000
2014 Projection		\$750,000						\$750,000
2015 Projection		\$750,000						\$750,000
Total Six Year Cost		\$4,212,879	\$0		\$0	\$0	\$0	\$4,212,879
Total Project Cost		\$4,212,879	\$0		\$0	\$0	\$0	\$4,212,879
								-
Life to Date Expenditures (Project	t Only)	\$0	\$0		\$0	\$0	\$0	\$0
Available Cost Estimate: Thorough Cost Estimate Limited Information	<b>200</b> 200		<b>2011</b>	2012	2013	2014		
Based on Cost of Similar Proje Unsupported	ects							
Were cost estimates confirmed by another source? Are cost estimates based on industry standards? Will city employees be performing any portion of the work? Did you perform a cost/benefit analysis?			<ul> <li>✓ Yes</li> <li>✓ Yes</li> <li>✓ No</li> <li>✓ Yes</li> <li>✓ No</li> <li>✓ Yes</li> <li>✓ No</li> </ul>	Uncertain				
How will this project impact city operating expenditures?		tures?	Increase	Decrease	None			
Estimated Start Date:	03/01	t/10						
Estimated Completion Date:	12/01	1/10						
			Department Hea	d Signature				
			Prepared By/Pho	-	David Sivyer	X 3279		

## Capital Improvement Request Form Part I

Pro	ject/Program Title:	Emerald Ash Borer Rea	adiness and Response	Requesting D	)epartment:	DPW O	perations - Env. Serv - Fo	prestry
Prepared By/Phone Ext:		David Sivyer, X3729	Department Head Signature:					
C	ount No:	PR58180600						
A)		New [] Replacemen	<b>Useful Life</b> <u>NA</u> It []] Repair	Years Leve Project/Progra	—	Essential Fully Define		sired
l		On-Going Program						
B)	Description Infrastructure Street Related Sidewalks Building Roof Wind ADA Office Miscellaneous Deve	e Remodeling	_	vators 🔲 G	ecurity 🛄 E iarage 🔲 M	unications cterior ( echanical in stormwa	Recreation  Parking  Entire Facility  ter runoff and energy use	
	Economic 🔲 1	Information Systems	Equipment [	_			es and air quality.	
c)	Project/Program Du One Year On-Going Program Multi-Year	ration ☐ Yes ☐ No ☑ Yes ☐ No ☐ Yes ☐ No	Number of Years	3				
(	Tetel Desitions							
D) [	Urb	25 Total FTE ban Forestry Specialists ban Forestry Manager ban Forestry Interns	s No. of Positi	ons <u>12</u> <u>3</u> <u>10</u>	FTEs 4.0 <u>t.0</u> 2.5	)	es \$ 282,515.00 \$ 125,660.00 \$ 64,844.00	
E) [	In Six Year Capital In Yes	•	🗌 Yes, Moo	lified 🗌 t	New Request			
F) [	F) Project/Program Justification Milwaukee's 200,000 street trees constitute a 280 million dollar capital asset. Emerald Ash Borer has infested 5,700 acres in Newburg, WI and is responsible for killing over 25 million ash trees in the midwest. Milwaukee's 36,000 ash street trees, which represent 18% of the street tree population, are threatened by EAB. An additional estimated 540,000 ash trees city-wide are also at risk. Biannual pesticide injections in advance of EAB attack have proven highly effective in protecting ash trees. Forestry plans to inject 1/2 of the treatable ash trees each year (16,500/yr) at a cost of \$600,00 annually to protect a 46 million dollar capital asset. The 2009 request also includes \$118,844 to assemble and distribute Emerald Ash Borer information to 36,000 propety owners in Milwaukee identified as having ash trees from Milwaukee's 2009 hyperspectral imaging ash species map. The outreach is needed to inform property owners at risk of the presence of ash tree(s) on their property, risks associated with EAB, and control options to provide residents with time to adequately plan foe EAB in advance of a full scale infestation.							
G)		i <b>ts</b> replace the city's 36,000 I annually by EAB. The re						sh

# Capital Improvencent Request Part II

<b>Requesting Department:</b>	esting Department: DPW Operations - Environmental Services - Forestry							
Project/Program Title:	Emerald Ash Bo	rer Readiness and Res	ponse		Account No:	PR58180600		
Year		Tax Levy/Borrowing	Grant & Aid	R	evenue	Special Assessment	Enterprise	Total Cost
Remaining Balance for 2010							•	\$0
2010 Budget Request		\$937,000						\$937,000
2011 Projection		\$850,000						\$850,000
2012 Projection		\$850,000						\$850,000
2013 Projection		\$850,000						\$850,000
2014 Projection		\$850,000	·······					\$850,000
2015 Projection		\$850,000						\$850,000
Total Six Year Cost		\$5,187,000	\$0		\$0	\$0	\$0	\$5,187,000
Total Project Cost		\$5,187,000	\$0		\$0	\$0	\$0	\$5,187,000
		A		•	<b>i</b>			2 <b>-</b> 1
Life to Date Expenditures (Project	ct Only)	\$0	\$0		\$0	\$0	\$0	\$0
Available Cost Estimate: Thorough Cost Estimate Limited Information Based on Cost of Similar Proje Unsupported	2009 ects	) 2010 [7] [] [] []	2011 	2012 	2013 	2014		
Were cost estimates confirmed by another source? Are cost estimates based on industry standards? Will city employees be performing any portion of the work? Did you perform a cost/benefit analysis?			<ul> <li>✓ Yes</li> <li>✓ Yes</li> <li>✓ No</li> <li>✓ Yes</li> <li>✓ No</li> <li>✓ Yes</li> <li>✓ No</li> </ul>	Uncertain				
How will this project impact city of	perating expendit	tures?	Increase	Decrease	None			
Estimated Start Date:	02/01	/t0						
Estimated Completion Date:	10/01	/10						
			Department Head	d Signature				
			Prepared By/Pho	one Ext	David Sivyer	X3729		

)

# Capital Improvement Request Form Part I

Project/Program Title:		Sustainable Boulevard Plan	Requesting Department: DPW Operations -Env. Serv - Forestry			
Pre	pared By/Phone Ext:	David Sivyer x3729	Department Head Signature:			
C	ount No:	PR58180400				
A)		3of4_Useful LifeNA ] NewReplacementRepair ] On-Going Program	Years Level of Need Sessential Important Desired Project/Program Scope Selly Defined Partially Defined			
в)	Miscellaneous Deve	ows HVAC Electrical Res	Street Lighting       Communications       Recreation         Image: Street Lighting       Port       Parking         Image: Stroom       Security       Exterior       Entire Facility         stroom       Security       Exterior       Entire Facility         vators       Garage       Mechanical         Other       Builds healthy sustainable neighborhoods			
c)	Project/Program Du One Year On-Going Program Multi-Year	ration ☐ Yes ☐ No ☐ Yes ☐ No ☑ Yes ☐ No Number of Year	sFinal year of 3-year project			
D)	Urb	18       Total FTEs       6.6         an Forestry Crew Leader       No. of Position         an Forestry Specialist       No. of Position         Laborer Seasonal       No. of Position	ions <u>6</u> FTEs <u>2.4</u> Salaries \$ <u>199,737.00</u> <u>6</u> <u>2.4</u> \$ <u>169,475.00</u> <u>6</u> <u>1.8</u> \$ <u>56,932.00</u>			
E)	In Six Year Capital Iı Yes		dified New Request			
F)	changes to City of Milwa iocations and convert m flower beds on landmark selected use of perennia	Three of a three phase Sustainable Boulevar nukee boulevards. Initial capital costs (spread any landscape beds from flowers to trees and t and gateway segments that are connected by als. Full implementation of this plan in year 3 (2)	ds Plan approved by the Common Councii in 2007. The plan includes several over three years) will provide automated irrigation systems at Signature Bed urf. The plan also calls for simplified boulevard designs that position high profile boulevard segments with high quality turf, shade and omamental trees and 010) will net annual savings of \$ t40,000 to \$160,000 in seasonal staff benefits which were inadvertently omitted in Phase i and Phase ii			
G)	Additional Commen	ts				

# Capital Improvement Request Part II

<b>Requesting Department:</b>	DPW Operations	s -Env. Serv - Forestry									
Project/Program Titie:	Sustainable Boul	levard Plan		Account	No: PR58180400	PR58180400					
Year		Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost				
Remaining Balance for 2010						·	\$0				
2010 Budget Request		\$681,145					\$681,145				
2011 Projection							\$0				
2012 Projection							\$0				
2013 Projection							\$0				
2014 Projection							\$0				
2015 Projection							\$0				
Total Six Year Cost		\$681,145	\$0	\$0	\$0	\$0	\$681,145				
Total Project Cost		\$681,145	\$0	\$0	\$0	\$0	\$681,145				
		••									
Life to Date Expenditures (Proje	ect Only)	\$0	\$0	\$0	\$0	\$0	\$0				
					0044						
Available Cost Estimate: Thorough Cost Estimate	<b>200</b> 9	9 2010 	2011 201		2014						
Limited Information											
Based on Cost of Similar Pro											
Unsupported											
Were cost estimates confirmed Are cost estimates based on ind Will city employees be performi Did you perform a cost/benefit a	dustry standards? ng any portion of t		<b>—</b> —								
How will this project impact city	operating expendi	tures?	Increase 🗹	Decrease 🗌 None							
Estimated Start Date:	01/01	1/10									
Estimated Completion Date:	12/31	1/10									
		I	Department Head Si	gnature							
		F	Prepared By/Phone	Ext David Siv	David Sivyer x3729						

# Capital Improvement Request Form Part I

Pro	ject/Program Title:	Tree Planting and Production	Requesting Department:	DPW Operations - Env. Serv Forestry
Pre	pared By/Phone Ext:	David Sivyer, X3729	Department Head Signature:	
Co	ount No:	PR58180100		
A)		of Useful LifeNA ] New Replacement Repair ] On-Going Program	_	sential Important Desired
в)	Miscellaneous Deve	lows HVAC Electrical Res e Remodeling New Building Ele elopment	Image: Security     Image: Security     Image: Security     Image: Security       vators     Image: Garage     Image: Security	nications Recreation Parking erior Entire Facility chanical Paving and Street Tree Replacement
c)	<b>Project/Program Du</b> One Year On-Going <b>P</b> rogram Multi-Year	I <b>ration</b> ☐ Yes ☐ No ☑ Yes ☐ No ☐ Yes ☐ No Number of Year	S	
D)	Тес	38 Total FTEs 12.5 Dan Forestry Staff No. of Posit Chnician rsery Staff	ions <u>30</u> FTEs <u>7.5</u> <u>1</u> <u>t.0</u> <u>7</u> <u>4.0</u>	Salaries \$ 630,679.00 \$ 88,669.00 \$ 287,748.00
E)	In Six Year Capital I Yes	•	dified 🗌 New Request	
F) [	3,098 diseased or dead Plan. The Environment to protect the City again outcome. Reductions i storm water runoff, ener	stification rees includes the replacement of 342 street tree street trees removed In 2008, and 2,150 new tr al Services section of the Operation's Division h est catastrophic street tree losses from Emerald in this program will result in a loss of urban tree rgy consumption, and air pollution. Reductions uction discussions with property owners, neighbor	ees to be planted on boulevards in c as identified a 98% street tree stock Ash Borer and other threatening per canopy, reduced property values an will also eliminate trees and other lan	onjunction with the Sustainable Boulevard ing goal and improved street tree diversity its and diseases as a short and long range d neighborhood quality, and increases in indscape improvements that have been
G)		ides \$227,500 for the planting of 650 trees reduced to the second of t,500 boulevard trees in 2010. Year 2011 pr		

# Capital Improvement Request Part II

Requesting Department:	DPW Operations	- Environmental Service	ces - Forestry								
Project/Program Title:	Tree Planting an	d Production		Acco	PR58180100						
Year		Tax Levy/Borrowing	Grant & Aid	Revenue	Special Assessment	Enterprise	Total Cost				
Remaining Balance for 2010					2		\$0				
2010 Budget Request		\$2,103,000					\$2,103,000				
2011 Projection		\$1,975,000					\$1,975,000				
2012 Projection		\$1,400,000					\$1,400,000				
2013 Projection		\$1,400,000					\$1,400,000				
2014 Projection		\$1,400,000					\$1,400,000				
2015 Projection		\$1,400,000					\$1,400,000				
Total Six Year Cost		\$9,678,000	\$0	\$0	\$0	\$0	\$9,678,000				
Total Project Cost		\$9,678,000	\$0	\$0	\$0	\$0	\$9,678,000				
				•		• · · · · · · · · · · · · · · · · · · ·	•				
Life to Date Expenditures (Project	Conly)	\$0	\$0	\$0	\$0	\$0	\$0				
Available Cost Estimate: Thorough Cost Estimate Limited Information Based on Cost of Similar Project Unsupported	200 Cts	9 2010 	2011 20 2011 20 20 20 20 20 20 20 20 20 20		<b>2014</b>						
Were cost estimates confirmed by Are cost estimates based on indu Will city employees be performing Did you perform a cost/benefit an	stry standards? any portion of t		<ul> <li>✓ Yes</li> <li>✓ Yes</li> <li>✓ No</li> <li>✓ Yes</li> <li>✓ No</li> <li>✓ Yes</li> <li>✓ No</li> </ul>	Uncertain Uncertain							
How will this project impact city of	perating expendi	itures?	Increase	Decrease 🗹 N	one						
Estimated Start Date:	03/01	1/10									
Estimated Completion Date:	Estimated Completion Date: 12/01/10										
		Department Head S	ignature								
			Prepared By/Phone		David Shares V2720						
			Frepared by/Phone		David Sivyer X3729						

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### RECREATIONAL FACILITIES FACILITIES DEVELOPMENT AND MANAGEMENT

: \* · · ·

- Reconstruction Program Elements
- 6 Year Capital Plan with 2010 Funded Projects

Michael Sanders Rec Facilities Coordinator The strategic plan of how the Recreational Facilities projects are scheduled for reconstructions are as follows:

- □ As required by state or federal mandate
- □ Sites that pose a health or safety risk
- □ Sites that have gone beyond their useful life, in chronological order
- □ Sites that have incurred excessive wear or a change in surrounding conditions
- □ Sites requiring major reconstruction as determined by resolution, (Milwaukee Public Schools)
- □ As requested from member(s) of the Common Council and/ or citizens, (community groups)

PROGRAM #7: RECREATIONAL FACILITIES 2010-2015														
Useful Life: 20 Years Construction Total w/o Total with														
Year	Site		c	Constr ity Wide	UCTION CDBG Area		Total w/o Fringe Benefits		Fringe Benefits		Total with Fringe Benefits	Ald. Dist.	Alderman	Last Constr
2010	13th & Lapham	Children's Area Reconstr. (ADA) (C.O.)	1		\$ 45,000	\$	45,000	\$	2,740	\$	47,740	12	Witkowiak	1993
2010	31st & Lloyd	Children's Area Reconstruction (ADA)(DO)				\$	-	\$		S	7,500	15	Hines	1993
2010	4th & Mineral	Equipment Upgrade (C.O.)			\$ 45,000	\$	45,000	<u> </u>	· · ·			12	Witkowiak	1990
	Allis Street	Equipment Upgrade (DO)				_		\$	· ·			14	Zielinski	1993
2010	66th & Port	Playground Reconstruction	\$	110,000		\$	110,000	<u> </u>				9	Puente	1976
	Alcott	Tennis Court Reconstr. (C.O.)	\$	80,000		\$	80,000			_		11	Dudzik	1974
	Various Recreation Sites	Necessary Non-programed Improvements	\$	25,000				\$						
2010	Engineering		\$	52,500				\$						
010 T	otal					\$	280,000	\$		_		B		1
2011	31st & Lloyd	Children's Area Reconstruction (ADA)				\$	- "	\$				15	Hines	1993
2011	Allis Street	Equipment Upgrade				\$	-	\$		_		14	Zielinski	1993
2011	Lowell	Tennis Court Reconstruction	\$	75,000		\$	75,000	<u> </u>				13	Witkowskl	1972
	Green Bay	Tennis Court Reconstruction			\$ 105,000		105,000	_		_		6	Coggs	1978
2011	29th & Melvina	Tennis Court Reconstruction			\$ 75,000		75,000					7	Wade	1979
2011	Auer Avenue	Basketball Court Reconstruction			\$ 122,500		122,500					6	Coggs	1978
2011	Columbia (Phase-1)	Playground Reconstruction			\$ 70,000	<u> </u>	70,000	\$	20,000	_		6	Coggs	1982
2011         Various Recreation Sites         Necessary Non-programed Improvements         \$ 25,000         \$ 25,000         \$ 25,000           2011         Engineering         \$ 40,000         \$ 40,000         \$ 12,500         \$ 52,500														
2011         Engineering         \$ 40,000         \$ 12,500         \$ 52,500														
2011 Total \$ 512,500 \$ 157,500 \$ 670,000														
2012	Columbia (Phase-2)	Playground Reconstruction			\$ 45,000	\$	45,000	\$	16,000	\$	61,000	6	Coggs	1982
2012	Gra-Ram	Tennis Court Reconstruction	\$	80,000		\$	80,000	\$	23,000	\$	6 103,000	13	Witkowski	1980
2012	Wamimont	Tennis Court Reconstruction	\$	80,000		\$	80,000	\$	23,000	\$	103,000	14	Zielinski	1981
2012	Emigh	Tennis Court Reconstruction	\$	80,000		\$	80,000	\$	23,000	\$		14	Zielinski	1982
20t2	Clovernook	Tennis Court Reconstruction	\$	40,000		\$	40,000	\$	12,500	\$		9	Puente	1985
2012	Various Recreation Sites	Necessary Non-programed Improvements	\$	25,000		\$	25,000			\$				i
2012	Engineering		\$	40,000		\$	40,000	\$	12,500	\$	52,500			
012 T	otal		1			\$	390,000	\$	110,000	\$	500,000			1
2013	Ellen	Tennis Court Reconstruction	\$	85,000		\$	85,000	\$	24,000	5	5 109,000	14	Zielinski	1982
2013		Playground Reconstruction	\$	118,500		\$	118,500	\$	38,250	\$	t56,750	13	Witkowski	1979
2013	Modrzejewski	Playground Reconstruction			\$ 118,500	\$	118,500	\$	38,250	\$	156,750	12	Witkowiak	1973
	Various Recreation Sites	Necessary Non-programed Improvements	\$	25,000		\$	25,000	[		\$				
2013	Engineering		1\$	40,000		\$	40,000	\$	12,500	\$	52,500			
013 T	otal	. <u>.</u>				\$	387,000	5	113,000	1	500,000			
2014	Juneau (Phase-1)	Tennis Court Reconstruction	1\$	121,000	I.	\$	121,000	\$	40,500	\$	6 161,500	10	Murphy	1983
	Bumham (Phase-1)	Playground Reconstruction	1		\$ 67,000	\$	67,000	\$	20,000	1	\$ 87,000	8	Donovan	1971
	DeBack (Phase-1)	Playground Reconstruction	<u> </u>		\$ 67,000	\$	67,000	\$	20,000	\$	\$ 87,000	10	Murphy	1995
2014	Southlawn (Phase-1)	Playground Reconstruction	\$	67,000		\$	67,000	\$	20,000	\$		11	Dudzik	1990
2014	Various Recreation Sites	Necessary Non-programed Improvements	\$	25,000		\$	25,000	[		\$				1
2014	Engineering		\$	40,000		\$	40,000	\$	12,500	\$	52,500			ł
014 T	otal					\$	387,000	\$	113,000	1	500,000			
	Juneau (Phase-2)	Tennis Court Reconstruction	\$	121,000		\$	121,000	\$					Murphy	1983
	Burnham (Phase-2)	Playground Reconstruction			\$ 67,000	\$	67,000	\$	20,000	\$	\$ 87,000		Donovan	1971
	DeBack (Phase-2)	Playground Reconstruction		10	\$ 67,000	\$	67,000					10	Murphy	1995
	Southlawn (Phase-2)	Playground Reconstruction	\$	67,000		\$		\$	20,000	\$	\$ 87,000	11	Dudzik	1990
	Various Recreation Sites	Necessary Non-programed Improvements	\$	25,000		\$	25,000			\$				
	Engineering		\$	40,000		\$	40,000		12,500	\$	52,500			
015 T						\$	387,000							
			Ú.			\$								9
Grand Total         \$ 2,343,500 \$ 714,740 \$ 3,058,240           CO = Construction Only D0 = Design Only         Reysed														

### STREETS, ALLEYS & NEW STREETS & DEVELOPMENT CAPITAL PROGRAM

- Introduction Pavement Management Administration
- Paving Project Process
- Capital Improvement Program and Budget Requests for Pavement Resurface and Reconstruction

Mary Dziewiontkoski Management Civil Eng Sr

#### PAVEMENT MANAGEMENT ADMINISTRATION

DPW hired a consulting firm Stantec, to provide ratings on all of our 19,000 street segments. Approximately every 5 years, each segment is rated. In 2006 they did half of the city, then the remainder in 2007. The company drives every segment with a specially equipped van and rates various distresses such as amount of cracking, rutting, pavement cuts, etc. This information goes into a matrix that calculates the "PQI". It is a rating from 10--very good to 2 -- bad. In their system, 2 is the lowest rating. Each type of pavement (asphalt or concrete) and classification of street (local, collector, arterial) has a separate matrix.

The program also uses the information to calculate the PQI over time; the system can recalculate the PQI for the years in between the actually visual inspection of the segment.

Each year as the streets are improved, the construction information is updated in the data base.

Mary Dziewiontkoski Management Civil Eng Sr

### **Paving Project Process**

The Department of Public Works-Project Programming office maintains a data base of street and alley projects that are in need of repair. Candidates for the data base are obtained from the PMA pavement rating system and our previously viewed projects.

When a request is made to Project **P**rogramming either by a resident, alderman, field operations, or sewer, water the data base is checked to see if it is already scheduled. If not, the project is field viewed and given a potential paving year. These potential paving projects are assigned a future year and reviewed as a part of the long range (six year) major street and local street programs. Annually, these programs are updated to reflect a priority based on condition and programmed as funding levels allow for the first three years. The last three years reflect condition only.

To be eligible for state/federal funding, the street must be designated as an arterial or collector. These projects are managed in the Major Projects Section. Each year, the projects are also prioritized based on condition, then programmed as funds allow. In addition to the process for local streets, major streets have an agreement and approval process with the Wisconsin Department of Transportation.

The Common Council needs to approve setting up the funds for the preliminary engineering. If preliminary engineering is not already available, the resolution is submitted to the Common Council. Budget lines are established for design engineering.

The list of potential projects are distributed to utilities and all of the city agencies (sewer, water, etc). Each of these agencies evaluate their facilities and determine what work is needed prior to paving.

The field engineers obtain existing field information and develop the plan. These designers determine if the project can be resurfaced with asphalt or needs to be reconstructed. They also determine the extent of "urb/gutter and sidewalk replacement.

Each year, the potential projects are prioritized based on the anticipated budget. Projects may be delayed to a future year due to excess of projects. The Preliminary Paving Program is published and distributed in August by the Project Programming Office, noting that the final program is distributed in December.

When the plan is completed, it is distributed to all of the city agencies (sewer, water, etc.) and the utilities. The estimating section prepares an estimate of the quantities and cost of the project, based on the plan and determines what work is to be done adjacent to each property. The special assessment section determines what the associated assessment is for each property. These assessments are based on the amount of work — each item has an associated assessment rate.

A public hearing is scheduled. Prior to the hearing, many of the Aldermen conduct post card surveys or night meetings to determine if there is support for the projects. If approved, the projects are then grouped into a contract, based on type of work and location. If deleted, the projects may be re-scheduled in 5-6 years.

The construction division prepares the special provisions and advertises for bids for the approved projects. The project is constructed and the contractor is periodically paid. Upon completion, field engineers measures all of the quantities and prepares the certificate. The special assessments section prepares the bills based on the actual work.

The property owner receives the bill. The owner has the option of paying the bill in full within 45 days of receipt, or paying the bill over six years, included on the annual tax bill.

MLD: 7/05 Updated 02/09

## 4.1 Performance Indicators

This chapter describes the procedures used to develop key pavement performance indicators for the PMA. These performance indicators serve to describe the present status or current condition of the pavement network. The present status of the network serves as the 'benchmark' for the future maintenance and rehabilitiation requirements of the network – you can't determine which direction to take until you know where you are.

The previous chapter described the data fields associated with each pavement section in the network in terms of its location, geometric, traffic and structural attributes. This chapter will describe the methods which are used to analyze and convert this data into a form descibing the current condition of the pavement network.

This chapter is divided into 7 sections describing the analytical procedures involved in the determination of the present status of the network:

- 1: Collection and analysis of Traffic information.
- 2: Collection and analysis of Layer (structural) information.
- 3: Collection and analysis of pavement roughness data to produce a Riding Comfort Index (RCI).
- 4: Collection and analysis of pavement surface distress data to produce a Surface Distress Index (SDI).
- 5: Collection and analysis of pavement deflection data to produce a Structural Adequacy Index (SAI).
- 6: Analysis of the role of Skid Resistance in determining the rehabilitation needs of a pavement section based on the current friction properties of the pavement surface.
- 7: Analysis of the above individual performance indicators to produce a **Pavement Quality Index** (PQI) as an overall indicator of serviceability.

The quality and usefulness of the analytical results of the PMA is strongly dependent on the quality of the data stored in the database. In this regard, it is important that the data accurately represent the conditions in the field. To ensure that this is the case, all performance data should be updated periodically. Sectional data should be reviewed and updated after a section has been rehabilitated and / or after two to five years have passed since the last field survey.

	Proposed	C. TATE AND	FR		10月10月10日6日				Section 14		Requested	
Title	pavement	Length		Total Cost		Assess	Age	Old Pavement	PQI	Reason	by	
Advanced planning			\$	832,200								
Field Operations programs			\$	1,000,000								
S. 1st St A Point 170'+/- South of W. Armour Av. to a										Preserve	Engineering	
Point 160'+/- North of W. Allerton Av.	Asph Surf	950.00	\$	142,200	\$	7,100	48	1962 Asphalt Surface	2.8	Pavement	Request	
								1937 Penetration Tar		Upgrade	Engineering	
S. 10th St W. Greenfield Av. to W. Washington St.	Asph Surf	1081.00	\$	222,500	\$	11,200	73	Macadam	3.3	Pavement	Request	
	Concrete,											
	Traffic							1924 Penetration Tar		Replace	Resident	
N. 15th St W. Center St. to W. Hadley St.	Calming	635.00	\$	169,700	\$	12,900	86	Macadam	3.6	Pavement	Request	
								1961 Asphalt Surface				
								on 1935 Penetration		Preserve	Engineering	
S. 19th St W. Greenfield Av. to W. Washington St.	Asph Surf	1200.00	\$	198,800	\$	10,000	75	Tar Macadam	3.0	Pavement	Request	
· ·	Asph Surf,											
	C&G,											
	Widening							1963 Asphait Surface		Preserve	Engineering	
N. 28th St W. Atkinson Av. to W. Glendale Av.	Roadway	1030.00	\$	210,200	\$	10,300	82	on 1928 Concrete	3.4	Pavement	Request	
	Asph Surf,							1931 Penetration Tar		Upgrade	Resident	
S. 32nd St W. Drury La. to W. Oklahoma Av.	C&G	635.00	\$	122,900	\$	6,200	79	Macadam	4.5	Pavement	Request	
								· · ·			Aldermanic/	
								1973 Asphait Surface		Preserve	Resident	
S. 33rd St W. Pabst Av. to W. Lincoln Av.	Asph Surf	2400.00	\$	264,700	\$	13,200	85	on 1925 Concrete	2.2	Pavement	Request	
										Preserve	Engineering	
N. 35th St W. Villard Av. to W. Silver Spring Dr.	Asph Surf	2600.00	\$	406,000	\$	20,300	46	1964 Concrete	2.8	Pavement	Request	
	Asph Surf,		-					1938 Penetration Tar		Upgrade	Aldermanic	
N. 37th St W. Meinecke Av. to W. Clarke St.	C&G	1287.00	\$	177,400	\$	8,900	72	Macadam	4.5	Pavement	Request	
	<b>.</b> .				•	44 500		4054 0		Replace	Engineering	
S. 39th St W. Morgan Av. to W. Ohio Av.	Concrete	1310.00	\$	289,000	\$	14,500	59	1951 Concrete	4.6	Pavement	Request	
	<b>0</b>	4040.00	•	000 700	•	40 500		4054 Comencia		Replace	Engineering	
S. 39th St W. Ohio Av. to W. Oklahoma Av.	Concrete	1310.00	Ф	269,700	\$	13,500	29	1951 Concrete	5.6	Pavement	Request Resident	
N. Adat Ch. M. Dudalath Ch. to M. Auga Au	Asph Recon,	600.00	¢	106,900	¢	5,400	02	1927 Concrete	5.1	Preserve Pavement	Request	
N. 41st St W. Burleigh St. to W. Auer Av.	C&G	609.00	Φ	100,900	φ	ə, <del>4</del> 00	03		<b>9</b> .1	Preserve	Resident	
N 42nd St. M Dudoigh St to M Toursond St	Asph Surf, C&G	2100.00	¢	358.300	\$	19,200	82	1927 Concrete	5.2	Pavement	Request	
N. 42nd St W. Burleigh St. to W. Townsend St.	CaG	2100.00	Ψ	200,200	Ψ	13,200	00		0.2	avement	request	

	(ð										
Title	Proposed pavement	Length	No.	Total Cost	No.	Assess	Age	Old Pavement	PQI	Reason	Requested by
N. 49th St W. Hampton Av. to W. Villard Av.	Asph Surf	2670.00	\$	403,500	\$	20,200	53	1957 Concrete	5.7	Preserve Pavement Replace	Engineering Request
			•	101100	-	- <b>-</b>		1958 Asphalt Surface	• -	Curb and	Resident
N. 58th St W. Philip PI. to W. Keefe Av.	C&G	1480.00	\$	194,100	\$	9,700	80	on 1930 Concrete	3.6	Gutter Preserve	Request Engineering
S. 63rd St W. Eden Pl. to W. Morgan Av.	Asph Surf	320.00	\$	43,800	\$	2,100	28	1982 Asphalt Surface	4.0	Pavement	Request Aldermanic/
S. 76th St The South City Limits (South of W. Main								1978 Asphalt Surface		Preserve	Resident
St.) to W. Kearney St.	Asph Surf	1360.00	\$	386,700	\$	19,400	32	on Gravel	3.9	Pavement Preserve	Request Aldermanic
S. 77th St W. Eden Pl. to W. Warnimont Av.	Asph Surf Asph Recon,	320.00	\$	43,800	\$	2,100	47	1963 Concrete	5.5	Pavement Preserve	Request Engineering
S. 80th St W. Wilbur Av. to W. Morgan Av. N. 82nd Ct A Point South of W. Clovernook St. to W.	C&G	1282.00	\$	156,900	\$	7,900	48	1962 Concrete	4.4	Pavement Preserve	Request Aldermanic
Clovernook St.	Asph Surf	227.00	\$	37,100	\$	1,900	47	1963 Concrete	2.9	Pavement Preserve	Request
N. 87th St W. Townsend St. to W. Lisbon Av.	Asph Surf	582.00	\$	86,800	\$	4,400	57	1953 Concrete	4.0	Pavement	Request
N. 87th St W. Burleigh St. to W. Concordia Av.	Asph Surf	1300.00	\$	204,000	\$	19,200	59	1951 Concrete	4.4	Pavement	Request

								Preserve	Aldermanic
S. 77th St W. Eden Pl. to W. Warnimont Av.	Asph Surf	320.00	\$ 43,800	\$ 2,100	47	1963 Concrete	5.5	Pavement	Request
	Asph Recon,							Preserve	Engineering
S. 80th St W. Wilbur Av. to W. Morgan Av.	C&G	1282.00	\$ 156,900	\$ 7,900	48	1962 Concrete	4.4	Pavement	Request
N. 82nd Ct A Point South of W. Clovernook St. to W.								Preserve	Aldermanic
Clovernook St.	Asph Surf	227.00	\$ 37,100	\$ 1,900	47	1963 Concrete	2.9	Pavement	Request
								Preserve	Engineering
N. 87th St W. Townsend St. to W. Lisbon Av.	Asph Surf	582.00	\$ 86,800	\$ 4,400	57	1953 Concrete	4.0	Pavement	Request
								Preserve	Engineering
N. 87th St W. Burleigh St. to W. Concordia Av.	Asph Surf	1300.00	\$ 204,000	\$ 19,200	59	1951 Concrete	4.4	Pavement	Request
								Preserve	Business
N. 89th St W. Burleigh St. to W. Lisbon Av.	Asph Surf	3000.00	\$ 443,800	\$ 22,200	59	1951 Concrete	3.5	Pavement	Request
	Asph Recon,							Replace	Aldermanic
N. 99th St W. Concordia Av. to W. Keefe Av.	C&G	1400.00	\$ 200,900	\$ 10,100	48	1962 Double Seal	5.1	Pavement	Request
E. Auer Av A Point East of N. Dousman St. to N.						1957 Asphalt Surface		Preserve	Engineering
Humboldt Av.	Asph Surf	700.00	\$ 105,000	\$ 5,200	82	on 1928 Concrete	4.1	Pavement	Request
	Asph Surf,			·					·
	C&G,								
	Narrowing							Preserve	Engineering
E. Bennett Av S. Ellen St. to Point West of S. Ellen St.		276.00	\$ 94,400	\$ 4,800	87	1923 Concrete	3.8	Pavement	Request
S. Burrell St A Point 275'+/- South of E. Ohio Av. to E.	Asph Surf,		-					Preserve	Engineering
Ohio Av.	C&G	286.00	\$ 48,000	\$ 2,400	81	1929 Concrete	3.7	Pavement	Request
						1973 Asphalt Surface			•
						on 1962 Asphalt		Preserve	Aldermanic
W. Calumet Rd N. 51st Bl. to N. 60th St.	Asph Surf	2760.00	\$ 188,900	\$ 9,500	48	Surface	2.7	Pavement	Request
									-

Title         pavement         Length         Total Cost         Assess         Age         Old Pavement         PQL         Reason         ty           W. Concordia Av N. 96th St. to N. Argonne Dr.(Portions in the City of Wauwalosa)         Asph Surf         (400.00         \$ 208,400         \$ 10,400         51         1959 Concrete         5.1         Pavement         Request           W. Eden PL - S. 77th St. to S. 79th St.         Asph Surf         650.00         \$ 103,100         \$ 5,100         47         1963 Concrete         5.1         Pavement         Request           W. Euclid Av S. 36th St. to S. 39th St.         Concrete         283.00         \$ 35,000         \$ 1,800         59         1951 Concrete         5.1         Pavement         Request           W. Florist Av N. 66th St. to N. 76th St.         Asph Surf         2700.00         \$ 661,500         \$ 28,100         9         1961 Concrete         5.1         Pavement         Request           W. Hayes Av S. 27th St. to S. 28th St.         Asph Surf         650.00         \$ 85,100         \$ 4,200         9         Gravel         3.2         Pavement         Request           S. Herman St E. Lodid Av. to E. Saveland Av.         Asph Surf         100.00         \$ 119,400         \$ 5,500         20         1952 Concrete		Proposed	能够是同样的系	144	La Statistic Statistics	133	AT ALL AND	150555		Same States	The state before	Requested
Dr. (Portions in the City of Wauwatosa)         Asph Surf         1400.00         \$         208,400         \$         10,400         51         1959 Concrete         5.1         Pavement Preserve         Request Preserve           W. Eden PL - S. 77th St. to S. 79th St. W. Euclid Av S. 38th St. to S. 39th St.         Concrete         283.00         \$         103,100         \$         5,100         47         1963 Concrete         5.1         Pavement Preserve         Request Preserve           W. Euclid Av S. 38th St. to S. 39th St.         Concrete         283.00         \$         13601 Concrete         5.1         Pavement Preserve         Request Preserve           W. Hayes Av S. 27th St. to S. 29th St.         Asph Surf         650.00         \$         651.00         \$         4,200         94         Gravel 1950 Penetration Tar Macadam on 1916         Pavement Preserve         Request Preserve         Engineering Request           S. Herman St E. Howard Av. to E. Sokeland Av. S. Logan Ave E. Norwich St. to S. 76th St.         Asph Surf Asph Surf         1000.00         \$         119,400         \$         5,500         62         1552 Concrete 1945 Concrete         9.4         Pavement         Request Preserve         Pavement         Request Preserve         Pavement         Request Preserve         Pavement         Request Preserve         Pavement	Title	IN DOM STORE STORES	Length		Total Cost	A STATE	Assess	Age	Old Pavement	PQI	Reason	PERSONAL PROPERTY.
W. Eden PI S. 77th St. to S. 79th St.         Asph Surf         650.00         \$         103,100         \$         5,100         47         1963 Concrete         5.5         Preserve Resident         Request Request           W. Euclid Av S. 38th St. to S. 39th St.         Concrete         283.00         \$         35,000         \$         1,800         59         1951 Concrete         5.1         Pavement         Request Request           W. Florist Av N. 68th St. to N. 76th St.         Asph Surf         2700.00         \$         561.500         \$         28,100         49         1961 Concrete 1941 Penetration Tar Macadam on 1916         Preserve         Engineering Request           W. Hayes Av S. 27th St. to S. 29th St.         Asph Surf         1000.00         \$         119,300         \$         6.000         60         Macadam on 1916         Preserve         Argenering           S. Herman St E. Lucid Av. to E. Oktahoma Av.         C&G, Walk         700.00         \$         110,400         \$         5,500         62         1952 Concrete 1945 Concrete         9.4         Pavement         Request Preserve         Ademmanic           N. Main St S. 70th St. to S. 78th St.         Asph Surf         616.00         \$         43,100         \$         2,200         49         On Gravel         <	W. Concordia Av N. 96th St. to N. Argonne										Preserve	Engineering
W. Eden PL - S. 77th St. to S. 79th St.       Asph Surf       650.00 \$       103,100 \$       5,100 47       1963 Concrete       5.5       Pavement       Request         W. Euclid Av S. 38th St. to S. 39th St.       Concrete       283.00 \$       35.000 \$       18.00 59       1951 Concrete       5.5       Pavement       Request         W. Florist Av N. 68th St. to N. 76th St.       Asph Surf       2700.00 \$       561,500 \$       28,100 49       1961 Concrete       2.7       Pavement       Request         W. Hayes Av S. 27th St. to S. 29th St.       Asph Surf       650.00 \$       561,000 \$       4,200 94       1961 Concrete       3.2       Pavement       Request         S. Herman St E. Howard Av. to E. Saveland Av.       Asph Surf       1000.00 \$       119,300 \$       6,000 61       Macadam 016       Pavement       Request         S. Herman St E. Euclid Av. to E. Oktahoma Av.       C.GG, Walk       700.00 \$       110,400 \$       \$       2,200 49       on Gravel       3.9       Pavement       Request         Including S. Logan Ct.)       Asph Surf       616.00 \$       43,100 \$       \$       1948 Concrete on       3.9       Pavement       Request         M. Main St S. 70th St. to S. 76th St.       Asph Surf       200.00 \$       24.800 \$       \$	Dr.(Portions in the City of Wauwatosa)	Asph Surf	1400.00	\$	208,400	\$	10,400	51	1959 Concrete	5.1	Pavement	Request
W. Euclid Av S. 38th St. to S. 39th St.Concrete283.00\$ 35,000\$ 1,800591951 Concrete5.1PreserveResident PreserveW. Florist Av N. 68th St. to N. 76th St.Asph Surf2700.00\$ 561,500\$ 28,100491961 Concrete2.5PavementRequest TraficW. Hayes Av S. 27th St. to S. 29th St.Asph Surf650.00\$ 65,100\$ 4.2009667avel3.2PavementRequest TraficS. Herman St E. Howard Av. to E. Saveland Av. S. Logan Av E. Mowich St. to L. Oktahoma Av. (Including S. Logan CL)Asph Surf Asph Surf1000.00\$ 119,300\$ 6,00060Macadam Macadam3.6PavementRequest PreserveW. Main St S. 70th St. to S. 76th St.Asph Surf Asph Surf2000.00\$ 236,800\$ 17,100611942 Concrete 1942 Concrete9.4PavementRequest PreserveW. Main St S. 70th St. to S. 76th St. C. Morgan Av (East) S. Iowa Av. to S. Brust Av.Asph Surf Asph Surf2000.00\$ 236,800\$ 17,100611949 Concrete 1942 Concrete 1952 Denetration Tar3.7Pavement PavementRequest PreserveW. Main St S. 70th St. to S. 76th St. C. S. Taylor Av (East) S. Iowa Av. to S. Brust Av.Asph Surf Asph Surf2000.00\$ 224,800\$ 11,20080Macadam 1951 Penetration Tar3.7Pavement PavementRequest PreserveW. Main St S. 70th St. to S. 39th St.Concrete Asph SurfConcrete 300.003 102.000\$ 11,40053 </td <td></td> <td>Preserve</td> <td>Aldermanic</td>											Preserve	Aldermanic
W. Euclid Av S. 36th St. to S. 39th St.       Concrete       283.00       \$       35,000       \$       1,800       59       1951 Concrete       5.1       Pavement Preserve       Request Engineering         W. Florist Av N. 68th St. to N. 76th St.       Asph Surf       2700.00       \$       561,500       \$       28,100       9       1961 Concrete 1941 Penetration Tar Macadam on 1916       2.5       Pavement Preserve       Request Engineering         W. Hayes Av S. 27th St. to S. 29th St.       Asph Surf       650.00       \$       650.00       \$       4,200       94       Gravel 1950 Penetration Tar 1948 Concrete       2.9       Pavement Preserve       Request Engineering         S. Herman St E. Howard Av. to E. Saveland Av. S. Logan Ave E. Nonkich St to E. Howard Ave.       Asph Surf       1000.00       \$       119,400       \$       5,500       62       1952 Concrete 1954 Concrete       9.4       Pavement       Request Preserve       Adermanic         V. Main St S. 70th St. to S. 76th St.       Asph Surf       0200.00       \$       236,800       \$       17,100       61       1949 Concrete 1943 Concrete       3.9       Pavement       Request Preserve       Preserve       Engineering Preserve       Preserve       Engineering Preserve       Preserve       Engineering Preserve       Preserve       195	W. Eden Pl S. 77th St. to S. 79th St.	Asph Surf	650.00	\$	103,100	\$	5,100	47	1963 Concrete	5.5	Pavement	Request
W. Florist Av N. 68th St. to N. 76th St.Asph Surf2700.00561,500\$28,100491961 Concrete 1941 Penetration Tar Macadam on 1916Preserve PavementEngineering Request TrafficW. Hayes Av S. 27th St. to S. 29th St.Asph Surf650.00\$65,100\$4,20094Gravel Gravel3.2PavementRequest LogradeS. Herman St E. Howard Av. to E. Saveland Av. S. Logan Av E. Norwich St. to E. Oklahoma Av. S. Logan Av E. Sovich St. to S. 76th St.Asph Surf Asph Surf100.00\$110,400\$5.500621952 Concrete 1952 Concrete9.4Pavement PreserveRequest EngineeringW. Main St S. 70th St. to S. 76th St.Asph Surf Asph Surf616.00\$43,100\$2,20049on Gravel2.4Pavement PreserveRequest EngineeringW. Main St S. 70th St. to S. 76th St.Asph Surf Asph SurfC&G, Walk1300.00\$224,800\$11,20080Macadam3.7Pavement PreserveRequest PreserveE. Morgan Av (East) S. Iowa Av. to S. Brust Av.C&G, Walk1300.00\$224,800\$11,20080Macadam3.7Pavement PreserveRequest PreserveW. Pierce St S. 38th St. to S. 39th St.Concrete Asph Surf, CAGAsph Surf, CAG700.00\$102,000\$5,100491961 Concrete 1961 Asphalt Surface3.0Pavement PreserveRequest PreserveW. Pierce St											Preserve	Resident
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W. Hayes Av S. 27th St. to S. 29th St.Asph Surf650.00\$85,100\$4.20094Gravel3.2PreserveEngineeringS. Herman St E. Howard Av. to E. Saveland Av.Asph Surf1000.00\$119,300\$6,00060Macadam3.6PavementRequestS. Herman St E. Luciid Av. to E. Oktahoma Av.C&G, Walk700.00\$110,400\$5,500621952 Concrete9.4PavementRequestS. Logan Ave E. Norwich St. to E. Oktahoma Av.C&G, Walk700.00\$110,400\$5,500621952 Concrete9.4PavementRequest(Including S. Logan Ct.)Asph Surf616.00\$43,100\$2,20049onGravel2.4PavementRequestW. Main St S. 70th St. to S, 76th St.Asph Surf2000.00\$226,800\$17,100611949 Concrete3.9PavementRequestE. Morgan Av (East) S. Iowa Av. to S. Brust Av.C&G, Walk1300.00\$224,800\$11,20085,10049on Gravel2.0PavementRequestW. Pierce St S. 38th St. to S. 39th St.Concrete300.00\$27,900\$1,40053Macadam4.0PavementRequestW. Pierce St S. 38th St. to S. 39th St.Concrete300.00\$214,800\$1,04053Macadam4.0PavementRequestS. Taylor Av E. Malvern Pl. t											Preserve	Engineering
W. Hayes Av S. 27th St. to S. 29th St.Asph Surf650.0\$85,100\$4,2009Macadam on 1916 GravelPreserve 3.2Preserve Preserve Request Engineering Request PreserveS. Herman St E. Howard Av. to E. Saveland Av. S. Logan Ave E. Norwich St. to E. Oklahoma Av. (Including S. Logan Ct.)C&G. Walk Asph Surf C&G. Walk100.00\$110,400\$6,00060Macadam Macadam3.6Pavement Preserve Appreserve PreserveRequest PreserveW. Main St S. Toh St. to S. 76th St. Asph Surf 2. Logan Ave E. Norwich St. to S. 76th St.Asph Surf Asph Surf 20000\$236,800\$17,100611949 Concrete 1950 Penetration Tar 1950 Penetration Tar 1951 Concrete3.7Pavement Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Pr	W. Florist Av N. 68th St. to N. 76th St.	Asph Surf	2700.00	\$	561,500	\$	28,100	49		2.5	Pavement	
W. Hayes Av S. 27th St. to S. 29th St.Asph Surf650.00\$85,100\$4,20094Gravel 1950 Penetration Tar 1950 Penetration Tar 1950 Penetration Tar 1948 Concrete on3.2Pavement Legineering Engineering Engineering EngineeringS. Herman St E. Howard Av. to E. Saveland Av. S. Logan Ave E. Norwich St. to E. Howard Ave. (Including S. Logan Ct.)Asph Surf (Asph Surf1000.00\$119,300\$6.00060Macadam (948 Concrete on 1948 Concrete on 1961 Asphalt Surface Preserve9.4Pavement PreserveRequest PreserveW. Main St S. 70th St. to S. 76th St.Asph Surf (Asph Surf,616.00\$43,100\$2,20049on Gravel2.4Pavement PreserveRequest PreserveW. Main St S. 70th St. to S. 76th St.Asph Surf (Asph Surf,2000.00\$236,800\$11,20081949 Concrete 1949 Concrete 1949 Concrete 1949 Concrete3.7Pavement PreserveRequest PreserveE. Morgan Av (East) S. Iowa Av. to S. Brust Av.CaG, Walk1300.00\$224,800\$11,20085,10049on Gravel2.0Pavement PreserveRequest PreserveW. Pierce St S. 38th St. to S. 39th St.Concrete Asph Surf,300.00\$27,900\$1,40053Macadam 1957 Penetration Tar 1957 Penetration Tar Nacadam4.0Pavement PavementRequest PreserveW. Pierce St S. 38th St. to S. 39th St.Concrete CaG1200.00<									1941 Penetration Tar			
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S. Herman St E. Howard Av. to E. Saveland Av. Asph Surf, S. Herman St E. Euclid Av. to E. Oktahoma Av. S. Logan Ave E. Norwich St. to E. Oktahoma Av. S. Logan Ave E. Norwich St. to E. Howard Ave. (Including S. Logan Ct.) W. Main St S. 70th St. to S. 76th St. E. Morgan Av (East) S. Iowa Av. to S. Brust Av. N. Pierce St S. 38th St. to S. 39th St. W. Spencer PI W. Glendale Av. to W. Hampton Av. S. Taylor Av E. Malvern PI. to E. Euclid Av. N. Terrace Av E. North Av. to E. Belleview PI. N. Terrace Av E. North Av. to E. Belleview PI. N. Terrace Av E. North Av. to E. Belleview PI. N. Terrace Av E. North Av. to E. Belleview PI. N. Terrace Av E. North Av. to E. Belleview PI. N. Terrace Av E. North Av. to E. Belleview PI. N. Terrace Av E. North Av. to E. Belleview PI. N. Terrace Av E. North Av. to E. Belleview PI. N. Terrace Av E. North Av. to E. Belleview PI. N. Terrace Av E. North Av. to E. Belleview PI. N. Terrace Av E. North Av. to E. Belleview PI. N. Terrace Av E. North Av. to E. Belleview PI. N. Terrace Av E. North Av. to E. Belleview PI. N. Terrace Av E. North Av. to E. Belleview PI. N. Terrace Av E. North Av. to E. Belleview PI. N. Terrace Av E. North Av. to E. Belleview PI. N. Terrace Av E. North Av. to E. Belleview PI. N. Terrace Av E. North Av. to E. Belleview PI. N. Terrace Av E. North Av. to E. Belleview PI. N. Terrace Av E. North Av. to E. Belleview PI. N. Terrace Av E. North Av. to E. Belleview PI. N. Terrace Av E. North Av. to E. Belleview PI. N. Terrace Av E. North Av. to E. Belleview PI. N. Terrace Av E. North Av. to E. Belleview PI. N. Terrace Av E. North Av. to E. Belleview PI. N. Terrace Av E. North Av. to E. Belleview PI. N. Terrace Av E. North Av. to E. Belleview PI. N. Terrace Av E. North Av. to E. Belleview PI. N. Terrace Av E. North Av. to E. Belleview PI. N. Terrace Av E. North Av. to E. Belleview PI. N. Terrace Av E. North Av. to E. Belleview PI. N. Terrace Av E. North Av.	W. Hayes Av S. 27th St. to S. 29th St.	Asph Surf	650.00	\$	85,100	\$	4,200	94		3.2		•
S. Herman St E. Euclid Av. to S. Joban Av. S. Logan Ave E. Norwich St. to E. Oklahoma Av. S. Logan Ave E. Norwich St. to E. Howard Ave.Asph Surf C&G, Walk700.00\$110,400\$5,500621952 Concrete 1952 Concrete 1952 Concrete 1951 Asphalt SurfacePreserve Preserve EngineeringAldermanic RequestW. Main St S. 70th St. to S. 76th St.Asph Surf Asph Surf C&G, Walk2000.00\$236,800\$17,100611949 Concrete 1930 Penetration Tar 1930 Penetration Tar 1930 Penetration Tar 1930 Penetration Tar9.4Pavement Preserve EngineeringE. Norwich St S. 70th St. to S. Jenox St.Asph Surf Asph Surf2000.00\$224,800\$11,20080Macadam 1957 Penetration Tar 1957 Penetration Tar 1957 Penetration Tar Preserve9.4Pavement Preserve Request Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Preserve Pre											· · ·	
S. Herman St E. Euclid Av. to E. Oklahoma Av.       C&G, Walk       700.00 \$       110,400 \$       5,500 62       1952 Concrete 1951 Asphalt Surface 1961 Concrete 0       94       94 <td>S. Herman St E. Howard Av. to E. Saveland Av.</td> <td>•</td> <td>1000.00</td> <td>\$</td> <td>119,300</td> <td>\$</td> <td>6,000</td> <td>60</td> <td></td> <td>3.6</td> <td></td> <td></td>	S. Herman St E. Howard Av. to E. Saveland Av.	•	1000.00	\$	119,300	\$	6,000	60		3.6		
S. Logan Ave E. Norwich St. to E. Howard Ave. (Including S. Logan Ct.)       Asph Surf       616.00       \$ 43,100       \$ 2,200       49       on Gravel       2.4       Pavement Preserve       Request Engineering         W. Main St S. 70th St. to S. 76th St. Morgan Av (East) S. Iowa Av. to S. Brust Av.       Asph Surf       2000.00       \$ 236,800       \$ 17,100       61       1949 Concrete 1930 Penetration Tar       3.9       Pavement Preserve       Request Engineering         E. Morgan Av (East) S. Iowa Av. to S. Brust Av.       C&G, Walk       1300.00       \$ 224,800       \$ 11,200       80       Macadam Macadam       3.7       Pavement Preserve       Request Engineering         E. Norwich St S. Herman St. to S. Lenox St.       Asph Surf       700.00       \$ 102,000       \$ 5,100       49       on Gravel 1957 Penetration Tar       Pavement Preserve       Request Engineering         W. Pierce St S. 38th St. to S. 39th St.       Concrete       300.00       \$ 27,900       \$ 1,400       53       Macadam       4.0       Pavement Preserve       Request Engineering         W. Spencer PI W. Glendale Av. to W. Hampton Av.       Asph Surf, C&G       120.000       \$ 214,800       \$ 10,800       80       1930 Asphalt Surface       4.1       Preserve Preserve       Engineering Preserve         S. Taylor Av E. Malvern PI. to E. Euclid Av.		•		_		_						
(Including S. Logan Ct.)Asph Surf616.00 \$43,100 \$2,200 49on Gravel2.4Pavement PreserveRequest EngineeringW. Main St S. 70th St. to S. 76th St.Asph Surf, Asph Surf,200.00 \$236,800 \$17,100 611949 Concrete 1930 Penetration Tar9avementRequest PreserveEngineering EngineeringE. Morgan Av (East) S. Iowa Av. to S. Brust Av.C&G, Walk1300.00 \$224,800 \$11,200 80Macadam 1961 Asphalt Surface3.7Pavement PreserveRequest PreserveE. Norwich St S. Herman St. to S. Lenox St.Asph Surf (Concrete700.00 \$102,000 \$5,100 49on Gravel 1957 Penetration Tar2.0Pavement PreserveRequest RequestW. Pierce St S. 38th St. to S. 39th St.Concrete300.00 \$27,900 \$1,400 53Macadam4.0Pavement PreserveRequest RequestW. Spencer PI W. Glendale Av. to W. Hampton Av.Asph Surf, C&G1200.00 \$214,800 \$108,00 801930 Asphalt Surface4.1Preserve PreservePreserve EngineeringS. Taylor Av E. Malvern PI. to E. Euclid Av.Asph Surf, C&G1200.00 \$214,800 \$10,700 941916 Penetration Tar 1930 Asphalt SurfaceUpgrade Asph Surf, C&G1985.00 \$214,000 \$10,700 941916 Penetration Tar 1916 Concrete onUpgrade Request Aldermanic/		C&G, Walk	700.00	\$	110,400	\$	5,500	62		9.4		
W. Main St S. 70th St. to S. 76th St.Asph Surf Asph Surf, Asph Surf,2000.00 \$236,800 \$17,100 611949 Concrete 1930 Penetration Tar9Preserve AldermanicEngineering AldermanicE. Morgan Av (East) S. Iowa Av. to S. Brust Av.C&G, Walk1300.00 \$224,800 \$11,200 80Macadam 1961 Asphalt Surface3.7Pavement PreserveRequest AldermanicE. Norwich St S. Herman St. to S. Lenox St.Asph Surf Concrete700.00 \$102,000 \$5,100 49on Gravel 1957 Penetration Tar2.0Pavement PreserveRequest RequestW. Pierce St S. 38th St. to S. 39th St.Concrete300.00 \$27,900 \$1,400 53Macadam4.0Pavement PreserveRequest PreserveW. Spencer PI W. Glendale Av. to W. Hampton Av.Asph Surf, C&G1200.00 \$214,800 \$10,800 801930 Asphalt Surface4.1Preserve PreserveOperations Pavement Request FieldS. Taylor Av E. Malvern PI. to E. Euclid Av.Asph Surf, C&G1200.00 \$214,800 \$10,700 941916 Penetration Tar Macadam3.9Pavement Pavement Request FieldN. Terrace Av E. North Av. to E. Belleview PI.Asph Surf, C&G1985.00 \$214,000 \$10,700 941916 Penetration Tar Macadam3.9Pavement Pavement Request Field	-								•			• •
W. Main St S. 70th St. to S. 76th St.Asph Surf Asph Surf,2000.00 \$236,800\$17,100611949 Concrete 1930 Penetration Tar3.9Pavement AldermanicRequest AldermanicE. Morgan Av (East) S. Iowa Av. to S. Brust Av.C&G, Walk1300.00\$224,800\$11,20080Macadam 1961 Asphalt Surface3.7Pavement PreserveRequest EngineeringE. Norwich St S. Herman St. to S. Lenox St.Asph Surf Tomorete700.00\$102,000\$5,10049on Gravel 1957 Penetration Tar2.0Pavement RequestRequest RequestW. Pierce St S. 38th St. to S. 39th St.Concrete300.00\$27,900\$1,40053Macadam4.0Pavement RequestRequest RequestW. Spencer PI W. Glendale Av. to W. Hampton Av.Asph Surf, C&G1200.00\$214,800\$10,800801930 Asphalt Surface4.1Preserve PavementPavement Request FieldS. Taylor Av E. Malvern PI. to E. Euclid Av.Asph Surf, C&G1200.00\$214,800\$10,800801930 Asphalt Surface4.1Pavement PavementRequest Request FieldN. Terrace Av E. North Av. to E. Belleview PI.Asph Surf, C&G1985.00\$214,000\$10,700941916 Penetration Tar Macadam3.9Pavement PavementRequest Field	(Including S. Logan Ct.)	Asph Surf	616.00	\$	43,100	\$	2,200	49	on Gravel	2.4	-	•
Asph Surf, E. Morgan Av (East) S. Iowa Av. to S. Brust Av.Asph Surf, C&G, Walk224,800\$11,200801930 Penetration Tar Macadam 1961 Asphalt SurfaceUpgrade PavementAldermanic RequestE. Norwich St S. Herman St. to S. Lenox St.Asph Surf700.00\$102,000\$5,10049on Gravel 1957 Penetration Tar2.0Pavement RequestRequest RequestW. Pierce St S. 38th St. to S. 39th St.Concrete300.00\$27,900\$1,40053Macadam4.0Pavement PreserveRequest RequestW. Spencer PI W. Glendale Av. to W. Hampton Av.Asph Surf, C&G1200.00\$214,800\$10,800801930 Asphalt Surface4.1Preserve PreserveOperations Request FieldS. Taylor Av E. Malvern PI. to E. Euclid Av.C&G1985.00\$214,000\$10,700941930 Asphalt Surface4.1Pavement PavementRequest Request FieldN. Terrace Av E. North Av. to E. Belleview PI.C&G1985.00\$214,000\$10,700941916 Penetration Tar Macadam 1961 Concrete onUpgrade ResidentResident Request Field				-								
E. Morgan Av (East) S. Iowa Av. to S. Brust Av. E. Morgan Av (East) S. Iowa Av. to S. Brust Av. C&G, Walk 1300.00 \$ 224,800 \$ 102,000 \$ 102,000 \$ 102,000 \$ 102,000 \$ 102,000 \$ 1,400 53 1,400 53 Macadam 1961 Asphalt Surface 0 or Gravel 1957 Penetration Tar Macadam 4.0 Pavement Request Request Request Request Request Request Request Request Request Request Request Request Request Request Request Request Request Request Request Request Request Request Request Request Request Request Request Request Request Preserve Engineering W. Spencer PI W. Glendale Av. to W. Hampton Av. S. Taylor Av E. Malvern PI. to E. Euclid Av. N. Terrace Av E. North Av. to E. Belleview PI. N. Terrace Av E. North Av. to E. Belleview PI. C&G 1985.00 \$ 214,000 \$ 214,000 \$ 214,000 \$ 214,000 \$ 214,000 \$ 10,700 94 10,700 94	W. Main St S. 70th St. to S. 76th St.		2000.00	\$	236,800	\$	17,100	61		3.9		•
E. Norwich St S. Herman St. to S. Lenox St. W. Pierce St S. 38th St. to S. 39th St. W. Spencer PI W. Glendale Av. to W. Hampton Av. S. Taylor Av E. Malvern PI. to E. Euclid Av. N. Terrace Av E. North Av. to E. Belleview PI. N. Terrace Av E. North Av. to E. Belleview PI. N. Terrace Av E. North Av. to E. Belleview PI. N. Terrace Av E. North Av. to E. Belleview PI. Hash Surf, Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case Case				•				~~				
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W. Pierce St S. 38th St. to S. 39th St.Concrete300.00 \$27,900 \$1,400 53Macadam4.0Replace Pavement Preserve EngineeringAldermanic Request EngineeringW. Spencer PI W. Glendale Av. to W. Hampton Av. S. Taylor Av E. Malvern PI. to E. Euclid Av.Asph Surf C&G1700.00 \$158,600 \$8,000 491961 Concrete5.5Pavement Preserve FieldRequest EngineeringN. Terrace Av E. North Av. to E. Belleview PI.Asph Surf, C&G1985.00 \$214,000 \$10,700 941916 Penetration Tar MacadamUpgrade PavementResident Field									•			
W. Pierce St S. 38th St. to S. 39th St.Concrete300.00 \$27,900 \$1,400 53Macadam4.0Pavement PreserveRequest EngineeringW. Spencer PI W. Glendale Av. to W. Hampton Av.Asph Surf1700.00 \$158,600 \$8,000 491961 Concrete5.5Pavement PreserveRequest FieldS. Taylor Av E. Malvern PI. to E. Euclid Av.Asph Surf, C&G1200.00 \$214,800 \$10,800 801930 Asphalt Surface4.1Preserve PreserveOperations Aldermanic/N. Terrace Av E. North Av. to E. Belleview PI.C&G1985.00 \$214,000 \$10,700 941916 Penetration Tar Macadam 1961 Concrete onUpgradeResident Field	E. Norwich St S. Herman St. to S. Lenox St.	Asph Surf	700.00	\$	102,000	\$	5,100	49		2.0	• • • • • • • • • • •	•
W. Spencer PI W. Glendale Av. to W. Hampton Av.Asph Surf1700.00 \$158,600 \$8,000 491961 Concrete5.5Preserve PavementEngineering Request FieldS. Taylor Av E. Malvern PI. to E. Euclid Av.Asph Surf, C&G1200.00 \$214,800 \$10,800 801930 Asphalt Surface4.1Preserve PavementOperations Request Aldermanic/N. Terrace Av E. North Av. to E. Belleview PI.Asph Surf, C&G1985.00 \$214,000 \$10,700 941916 Penetration Tar Macadam 1961 Concrete onUpgrade PavementResident Request Field		•		•	07.000	•	4 400				•	
W. Spencer Pl W. Glendale Av. to W. Hampton Av.       Asph Surf       1700.00 \$       158,600 \$       8,000 49       1961 Concrete       5.5       Pavement       Request Field         S. Taylor Av E. Malvern Pl. to E. Euclid Av.       Asph Surf,       C&G       1200.00 \$       214,800 \$       10,800 80       1930 Asphalt Surface       4.1       Preserve       Operations         N. Terrace Av E. North Av. to E. Belleview Pl.       C&G       1985.00 \$       214,000 \$       10,700 94       Macadam       3.9       Pavement       Request Field         N. Terrace Av E. North Av. to E. Belleview Pl.       C&G       1985.00 \$       214,000 \$       10,700 94       Macadam       3.9       Pavement       Request Field	W. Pierce St S. 38th St. to S. 39th St.	Concrete	300.00	\$	27,900	\$	1,400	53	Macadam	4.0		•
Asph Surf,       Asph Surf,       C&G       1200.00 \$       214,800 \$       10,800 80       1930 Asphalt Surface 4.1       Preserve       Operations         N. Terrace Av E. North Av. to E. Belleview Pl.       Asph Surf,       C&G       1985.00 \$       214,000 \$       10,700 94       1916 Penetration Tar       Upgrade       Resident         N. Terrace Av E. North Av. to E. Belleview Pl.       C&G       1985.00 \$       214,000 \$       10,700 94       Macadam       3.9       Pavement       Request         Field       Field       Field       Field       Field       Field		A	4700.00		450.000	•	0.000	-	1001 0			
S. Taylor Av E. Malvern Pl. to E. Euclid Av. N. Terrace Av E. North Av. to E. Belleview Pl. Asph Surf, C&G 1200.00 \$ 1200.00 \$ 1200.00 \$ 1200.00 \$ 1200.00 \$ 1200.00 \$ 1200.00 \$ 1200.00 \$ 1200.00 \$ 1200.00 \$ 10,800 80 1930 Asphalt Surface 4.1 1916 Penetration Tar Macadam 1961 Concrete on 1961 Concrete on 1961 Concrete on Preserve Pavement Aldermanic/ Pavement Request Aldermanic/ Field	vv. Spencer Pl vv. Glendale AV. to vv. Hampton AV.	Aspn Sun	1700.00	Ф	158,600	Þ	8,000	49	1961 Concrete	5.5	Pavement	-
S. Taylor Av E. Malvern Pl. to E. Euclid Av. N. Terrace Av E. North Av. to E. Belleview Pl. C&G 1200.00 \$ 214,800 \$ 10,800 80 10,800 80 10,700 94 10,600 80 10,600 80 10,700 94 10,600 80 10,600 80 10,600 80 10,700 94 10,600 80 10,600 80 10,600 80 10,600 80 10,700 94 10,600 80 10,600 80 10,600 80 10,600 80 10,600 80 10,600 80 10,700 94 10,600 80 10,600 80 10,600 80 10,600 80 10,600 80 10,600 80 10,600 80 10,600 80 10,700 94 10,600 80 10,600 80 10,60		Apph Surf									Bracania	
Aldermanic/ Asph Surf, N. Terrace Av E. North Av. to E. Belleview PI. C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C&G 1985.00 C C&G 1985.00 C C&G 1985.00 C C&G 1985.00 C C&G C C&G C C C C C C C C C C C C C C	S. Taylor Av., E. Malyorn Pl. to E. Euclid Av.	•	1200.00	¢	214 800	¢	10 200	80	1020 Apphalt Surface	4.1		
Asph Surf, N. Terrace Av E. North Av. to E. Belleview Pl. C&G 1985.00 \$ 214,000 \$ 10,700 94 Macadam 3.9 Pavement Request 1961 Concrete on Field	5. Taylor Av E. Iviaivent Fi. to E. Eucliu Av.	CaG	1200.00	Ψ	214,000	ψ	10,000	00	1950 Aspiral Surrace	**.1	Favenient	
N. Terrace Av E. North Av. to E. Belleview Pl. C&G 1985.00 \$ 214,000 \$ 10,700 94 Macadam 3.9 Pavement Request 1961 Concrete on Field		Acob Surf							1016 Depatration Tar		Upgrada	
1961 Concrete on Field	N Terrace Av - E North Av to E Belleview Pl	•	1025 00	¢	214 000	¢	10 700	94		30		
	N. TEHACEAN, - L. NOTHAN, O.E. DENEMEN FI.	CaO	1905.00	Ψ	214,000	Ψ	10,700	34		5.5	Favement	
											Preserve	
W. Tower Av N. 76th St. to N. 87th St. Asph Surf 3500.00 \$ 812,000 \$ 40,600 49 1974 Concrete 3.8 Pavement Request	W Tower Av - N 76th St to N 87th St	Asob Surf	3500.00	\$	812 000	\$	40 600	٨٩		38		•
		Alaph Out	0000.00	¥	012,000	¥	40,000			0.0	. aromont	

Title	Proposed pavement	Length	1400	Total Cost	Caller .	Assess	Age	Old Pavement	PQI	Reason	Requested by
E. Warnimont Av A point east of S. Brust Av. to S.								1975 Asphalt Surface		Preserve	Field Operations
Clement Av.	Asph Surf	1300.00	\$	204,300	\$	10,200	35	on Concrete	3.1	Pavement	Request Aldermanic/
								1963 Asphalt Surface		Preserve	Resident
W. Winfield Av N. 76th St. to W. Bender Av.	Asph Surf	2500.00	\$	387,900	\$	19,300	47	on Gravel	4.1	Pavement Replace	Request
								1920 Penetration Tar		Curb and	Aldermanic
E. Wright St N. Humboldt Bl. to N. Holton St.	C&G	2000.00	\$	246,700	\$	12,400	90	Macadam	5.1	Gutter	Request
Totals			\$	11,503,900	\$	503,900					

# Capital Improvement Request Part II

Requesting Department: Department	partment of Pu	ublic Works									
Project/Program Title: Str	eet Resurface	/reconstruction program	<u>1</u>		Account No	ST211100000	ST211100000				
Year		Tax Levy/Borrowing	Grant & Aid	d R	evenue	Special Assessment	Enterprise	Total Cost			
Remaining Balance for 2010	]					\$2,000,000		\$2,000,000			
2010 Budget Request		\$9,753,745				\$100		\$9,753,845			
2011 Projection		\$11,140,000				\$100		\$11,140,100			
2012 Projection	ľ	\$10,960,000				\$100		\$10,960,100			
2013 Projection	ľ	\$12,280,000				\$100		\$12,280,100			
2014 Projection	ľ	\$12,100,000			·	\$100		\$12,100,100			
2015 Projection		\$12,100,000				\$100		\$12,100,100			
Total Six Year Cost	ľ	\$68,333,745	\$0		\$0	\$600	\$0	\$68,334,345			
Total Project Cost		\$68,333,745	\$0		\$0	\$2,000,600	\$0	\$70,334,345			
	L			<u></u>	I		L	-			
Life to Date Expenditures (Project O	nly)	\$0	\$0		\$0	\$0	\$0	\$0			
Available Cost Estimate: Thorough Cost Estimate Limited Information Based on Cost of Similar Projects Unsupported	2009   /     	● 2010 ▽ □ □ □	2011 「 」 」	2012 () () () () ()	2013 () () () () ()	2014 () () () () ()					
Were cost estimates confirmed by an Are cost estimates based on industry Will city employees be performing an Did you perform a cost/benefit analys	y standards? ny portion of th		☐ Yes	Uncertain							
How will this project impact city oper	ating expendit	ures?	Increase	Decrease	None						
Estimated Start Date:											
Estimated Completion Date:	81										
		l	Department Hea	ad Signature							
		1	Prepared By/Ph	one Ext	M. Dziewion	tkoski -2460					

## Capital Improvement Request Part II

Requesting Department:	Department of P	ublic Works									
Project/Program Title:	Alley Reconstruc	tion program		Ad	ccount No:	No: ST212100000					
Year		Tax Levy/Borrowing	Grant & Ald	Reve	nue	Special Assessment	Enterprise	Total Cost			
Remaining Balance for 2010						\$200,000		\$200,000			
2010 Budget Request		\$1,000,000				\$400,000		\$1,400,000			
2011 Projection		\$1,000,000				\$600,000		\$1,600,000			
2012 Projection		\$1,000,000		<u> </u>		\$600,000		\$1,600,000			
2013 Projection		\$1,000,000				\$600,000		\$1,600,000			
2014 Projection		\$1,000,000		····-		\$600,000		\$1,600,000			
2015 Projection		\$1,000,000			· · · · · · · · · · · · · · · · · · ·	\$600,000		\$1,600,000			
Total Six Year Cost		\$6,000,000	- \$0	\$0	)	\$3,400,000	\$0	\$9,400,000			
Total Project Cost		\$6,000,000	\$0	\$0	)	\$3,600,000	\$0	\$9,600,000			
					<b>I</b>			-			
Life to Date Expenditures (Project	t Only)	\$0	\$0	\$0	)	\$0	\$0	\$0			
Available Cost Estimate: Thorough Cost Estimate Limited Information Based on Cost of Similar Project Unsupported	2009 (7) (cts) (7)	9 2010 	2011 201	]	013 () () () ()	2014 I I I I I I I I I I I I I					
Were cost estimates confirmed by Are cost estimates based on indu Will city employees be performing Did you perform a cost/benefit an	stry standards? any portion of t		☐ Yes	Uncertain Uncertain							
How will this project impact city o	perating expendi	tures?	🗌 Increase 🗹	Decrease	None						
Estimated Start Date:											
Estimated Completion Date:											
	t.	Department Head Si	gnature _	ure							
		F	Prepared By/Phone	Ext <u>N</u>	M. Dziewiontkoski -2460						

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### Alphabetized Project Budget information for 2010 Alleys

Advanced planning       \$       121,400       \$       10000       \$       100000       100000       Payment       Replace       Engineering         Alley betw. W. Adler St., W. Dixon St., S. 62nd St., S. 33rd St., S. 34rd		New	發展的		11		No.			All South Starts
Alley betw. W. Adler St., W. Dixon St., S. 62nd St., S. 63rd St. Alley betw. W. Arthur Av., W. Hayes Av., S. 33rd St., S. 34th St. Alley betw. W. Arthur Av., W. Hayes Av., S. 33rd St., S. 34th St. Concrete St., W. Statin St., S. Brisbane Av., E. Euclid Av., E. Oklahoma Av. Concrete St., W. Statin St., S. Brisbane Av., E. Euclid Av., E. Oklahoma Av. Concrete St., W. Carke St., N. 32nd St., N. 33rd St. Concrete St., W. Carke St., N. 32nd St., N. 33rd St. Concrete St., W. Carke St., N. 32nd St., N. 33rd St. Concrete St., W. Carke St., N. 32nd St., N. 33rd St. Concrete St., W. Carke St., N. 32nd St., N. 77th St., N. 78th St. Alley betw. W. Cambers St., W. Locust St., N. 77th St., N. 78th St. Alley betw. W. Concordia Av., W. Townsend St., N. 91st St., N. 92nd St., N. 33rd St. Concrete St., W. Concrete St., W. Concrete St., W. St., N. 91st St., N. 92nd St., N. 33rd St. Concrete St., W. Concrete St., W. Concrete St., W. Concrete St., W. St., N. 51th St. Alley betw. W. Chambers St., W. Locust St., N. 71th St., N. 78th St. Alley betw. W. Concordia Av., W. Townsend St., N. 91st St., N. 92nd St., Concrete St., W. Concrete St., W. St., N. 91st St., N. 92nd St., Concrete St., W. Concrete St., W. St., N. 91st St., N. 92nd St., S. 6th St. (South Half) Alley betw. W. Concordia Av., W. Townsend St., N. 91st St., N. 92nd St., Concrete St., W. Locust St., N. 32nd St., N. 33rd St. Concrete St., W. Locust St., N. 32nd St., N. 33rd St. Concrete St., W. Hadley St., W. Locust St., N. 32nd St., N. 33rd St. Concrete St., W. Hadley St., W. Locust St., N. 32nd St., S. 6th St. (East-West Leg) Concrete St., W. Locust St., N. 32nd St., S. 6th St. (East-West Leg) Concrete St., W. Juneau Av., W. McKinley Av., N. 24th Pl., N. 25th St. Northerly East-West Leg) Concrete St., W. Juneau Av., W. McKinley Av., N. 24th Pl., N. 25th St. Northerly East-West Leg) Concrete St., W. Juneau Av., W. McKinley Av., N. 24th Pl., N. 25th St. Northerly East-West Leg) Concrete St., W. Juneau Av., W. McKinley Av., N. 24th Pl., N. 25th St. Northerly East-West Leg) Co	Title	pavement	Length		Conception in the	Assess	Age	Old Pavement	Reason	Requested by
Alley betw. W. Adler St., W. Dixon St., S. 62nd St., S. 63rd St.       Concrete       610.00 \$       70,100 \$       20,000       82       1928 Concrete       Pavement       Request         Alley betw. W. Arthur Av, W. Hayes Av, S. 33rd St., S. 34th St.       Concrete       916.00 \$       49,600 \$       19,000       83       1927 Concrete       Pavement       Request         Alley betw. S. Austin St., S. Brisbane Av, E. Euclid Av, E. Oklahoma Av.       Concrete       693.00 \$       70,800 \$       20,000 79       1931 Concrete       Pavement       Request         Alley betw. S. Austin St., S. Brisbane Av., E. Schiller St.       Concrete       609.00 \$       56,800 \$       16,000 86       1924 Concrete       Pavement       Request         Alley betw. W. Capitol Dr., W. Melvina St., N. 92nd St., N. 93nd St.       Concrete       609.00 \$       47,500 \$       19,000 59       1951 Concrete       Pavement       Request         Alley betw. W. Chambers St., W. Locust St., N. 77th St., N. 78th St.       Concrete       604.00 \$       74,200 \$       19,500 69       1951 Concrete       Pavement       Request         Alley betw. W. Chambers St., W. Locust St., N. 91st St., N. 92nd St.       N. 91st St., N. 92nd St.       Concrete       620.00 \$       37,500 \$       19,500 69       1941 Concrete       Pavement       Request         Alley betw. W. Chambers St.	Advanced planning			\$ 121,4	100					
Alley betw. W. Arthur Av., W. Hayes Av., S. 33rd St., S. 34th St.Concrete916.00\$49,600\$19,000831927 ConcreteReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceReplaceR	Allow history MALAdian On TAL Diversion Child Constant On Constant	0		<b>• -</b> ••	~~ .		~~		•	• •
Alley betw. W. Arthur Av., W. Hayes Av., S. 33rd St., S. 34th St.Concrete916.00\$49,600\$19,000831927 ConcretePavement ReplaceRequest EngineeringAlley betw. S. Austin St., S. Brisbane Av., E. Euclid Av., E. Oklahoma Av. Alley betw. S. Austin St., E. Dewey Pl., S. Howell Av., E. Schiller St. (Northerly Rast-West and Northerly North-South Leg)Concrete593.00\$70,800\$20,000791931 Concrete Pavement ReplaceRequest ReplaceRequest ReplaceRequest ReplaceRequest ReplaceRequest ReplaceRequest ReplaceRequest ReplaceRequest ReplaceAlley betw. W. Cantbers St., W. Locust St., N. 77th St., N. 78th St. Alley betw. W. Chambers St., W. Locust St., N. 77th St., N. 78th St. Alley betw. W. Concordia Av., S. Herman St., E. Saveland Av., E. Willour Av. South Haif)Concrete604.00\$74,200\$19,500691941 Concrete Pavement ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace<	Alley betw. vv. Adler St., vv. Dixon St., S. 62nd St., S. 63rd St.	Concrete	610.00	\$ 70,1	00 :	\$ 20,000	82	1928 Concrete		
Alley betw. S. Austin St., S. Brisbane Av., E. Euclid Av., E. Oklahoma Av. Concrete593.00 \$70,800 \$20,000791931 ConcreteReplace RequestEngineering RequestAlley betw. S. Austin St., E. Dewey PL, S. Howell Av., E. Schiller St. Northerly East-West and Northerly North-South Leg)Concrete609.00 \$56,800 \$16,000 861924 ConcreteReplace Pavement ReplaceReplace ReplaceReplace PavementReplace ReplaceReplace PavementReplace ReplaceReplace PavementReplace ReplaceReplace PavementReplace ReplaceReplace PavementReplace ReplaceReplace PavementReplace ReplaceReplace ReplaceReplace PavementReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceReplace ReplaceRe	Allow hoter 18/ Anthur Av. 18/ Linua Av. C. 22nd Ct. C. 24th Ct.	<b>C</b> = = = = + =	040.00	e 40.e		¢ 40.000	00	4007 0	•	
Alley betw. S. Austin St, S. Brisbane Av., E. Euclid Av., E. Oklahoma Av. Concrete Alley betw. S. Austin St, E. Dewey PI, S. Howell Av., E. Schiller St. (Northerly East-West and Northerly North-South Leg) Concrete Alley betw. W. Capitol Dr., W. Melvina St, N. 92nd St, N. 93rd St. Alley betw. W. Capitol Dr., W. Melvina St, N. 92nd St, N. 93rd St. Concrete Alley betw. W. Cambers St, W. Locust St, N. 77th St, N. 78th St. Alley betw. W. Chambers St, W. Locust St, N. 77th St, N. 78th St. Alley betw. W. Chambers St, W. Locust St, N. 91st St, N. 92nd St. Network Melvina Av., E. Morgan Av., E. Wilbur Av. Alley betw. W. Chambers St, W. Locust St, N. 91st St, N. 92nd St, N. 93rd St. Concrete Alley betw. W. Chambers St, W. Locust St, N. 78th St. Alley betw. W. Chambers St, W. Locust St, N. 78th St. South Half) Concrete Alley betw. W. Concordia Av., W. Townsend St, N. 91st St, N. 92nd St. Concrete Alley betw. W. Concordia Av., W. Townsend St, N. 91st St, N. 92nd St. Concrete Alley betw. W. Garfield Av., N. Hi Mount Bd., W. Lloyd St, N. 49th St. Concrete Alley betw. W. Hadrey St, W. Locust St, N. 32nd St, N. 33rd St. Concrete Alley betw. W. Hadrey St, W. Locust St, N. 32nd St, N. 33rd St. Concrete Alley betw. W. Hadrey St, W. Locust St, N. 32nd St, N. 33rd St. Concrete Alley betw. W. Hadrey St, W. Locust St, N. 32nd St, N. 33rd St. Concrete Alley betw. W. Hadrey St, W. Locust St, N. 32nd St, N. 33rd St. Concrete Alley betw. W. Hadrey St, W. Locust St, N. 32nd St, N. 33rd St. Concrete Alley betw. W. Hadrey St, W. Locust St, N. 32nd St, N. 33rd St. Concrete Alley betw. W. Hadrey St, W. Locust St, N. 32nd St, N. 33rd St. Concrete Alley betw. W. Hadrey St, W. Locust St, N. 32nd St, N. 33rd St. Concrete Alley betw. W. Hadrey St, W. Locust St, N. 32nd St, N. 32nd St. Network Leg) Concrete Alley betw. W. Juneau Av, W. McKinley Av., N. 24th Pl., N. 25th St. Northerly East-West Leg) Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete Concrete	Alley Detw. VV. Afthur AV., VV. Hayes AV., S. 33rd St., S. 34th St.	Concrete	916.00	\$ 49,6	00 :	\$ 19,000	83	1927 Concrete		•
Alley betw. S. Austin St., E. Dewey PL, S. Howell Av., E. Schiller St. (Northerly Kast-West and Northerly North-South Leg)Concrete609.00\$ 56,800\$ 16,000861924 Concrete ReplaceReplace PavementEngineering RequestAlley betw. W. Capitol Dr., W. Melvina St., N. 92nd St., N. 93rd St., Alley betw. W. Center St., W. Clarke St., N. 82nd St., N. 83rd St., City umitsConcrete388.00\$ 66,800\$ 19,000541956 ConcreteReplace ReplaceEngineering RequestAlley betw. W. Chambers St., W. Locust St., N. 77th St., N. 78th St. Alley betw. S. Clement Av., S. Herman St., E. Saveland Av., E. Wilbur AuConcrete604.00\$ 74,200\$ 19,500691941 ConcretePavement ReplaceRequest ReplaceAlley betw. W. Concordia Av., W. Townsend St., N. 91st St., N. 92nd St. (South Half)Concrete250.00\$ 47,500\$ 13,500591951 ConcretePavement ReplaceRequest ReplaceAlley betw. W. Garfield Av., N, Hi Mount Bd., W. Lloyd St., N. 49th St. (South Half)Concrete259.00\$ 37,000\$ 11,000911919 ConcretePavement RequestRequest ReplaceAlley betw. W. Haistoric Mitchell St., W. Maple St., S. 5th St., S. 6th St. (East-West Leg)Concrete56,000\$ 37,500\$ 10,500911918 ConcretePavement RequestRequest ReplaceEngineering RequestAlley betw. W. Haistoric Mitchell St., W. Maple St., S. 5th St., S. 6th St. (East-West Leg)Concrete576,00\$ 56,200\$ 10,500911918 ConcretePavement RequestReque	Allow hotes C. Austin Ct. C. Drinkows Av. E. Evalid Av. E. Oklahows Av.	0	500.00	* 70.0		A 00 000	70	4004 Osmanska	•	• •
(Northerly East-West and Northerly North-South Leg)Concrete609.00\$ 56,800\$ 16,000861924 ConcretePavement ReplaceRequest EngineeringAlley betw. W. Capitol Dr., W. Melvina St., N. 92nd St., N. 93rd St. LimitsConcrete388.00\$ 66,800\$ 19,000541956 ConcretePavement ReplaceRequest EngineeringAlley betw. W. Chambers St., W. Locust St., N. 77th St., N. 78th St. Alley betw. W. Chambers St., W. Locust St., N. 71th St., N. 78th St. Alley betw. W. Chambers St., W. Locust St., N. 91th St., N. 92nd St. Network N. ConcreteConcrete604.00\$ 74,200\$ 21,000791931 ConcretePavement ReplaceRequest ReplaceAlley betw. W. Concordia Av., W. Townsend St., N. 91st St., N. 92nd St. South Half)Concrete320.00\$ 47,500\$ 13,500591951 ConcretePavement Request ReplaceRequest Request RequestAlley betw. W. Garfield Av., N. Hi Mount Bd., W. Lloyd St., N. 91st St. Alley betw. W. Hatoric Mitchell St., W. Jand St. ConcreteConcrete259.00\$ 37,000\$ 11,000911919 Concrete 1911 ConcretePavement Request Request RequestReplace Request RequestReplace Request RequestRequest Request RequestAlley betw. W. Hatoric Mitchell St., W. Maple St., S. 5th St., S. 6th St. ReplaceConcrete576.00\$ 37,500\$ 16,500841926 Concrete PavementRequest Request ReplaceReplace RequestReplace RequestReplace RequestReplace RequestReplace RequestReplace Requ		Concrete	593.00	<b>ф 70,8</b>	00 3	ֆ 20,000	79	1931 Concrete		•
Alley betw. W. Capitol Dr., W. Melvina St., N. 92nd St., N. 93rd St. Alley betw. W. Canter St., W. Clarke St., N. 82nd St., N. 83rd St., City LimitsConcrete388.00 \$66,800 \$19,000541956 ConcreteReplace PavementReplace Request ReplaceEngineering PavementAlley betw. W. Chambers St., W. Locust St., N. 77th St., N. 78th St. Alley betw. S. Clement Av., S. Herman St., E. Saveland Av., E. Wilbur Av.Concrete604.00 \$74,200 \$21,000791931 ConcretePavement Request 		Consta	600.00	e 50 0	00	¢ 16.000	96	1004 Constate	•	
Alley betw. W. Capitol Dr., W. Melvina St., N. 92nd St., N. 93rd St.       Concrete       388.00 \$       66,800 \$       19,000       54       1956 Concrete       Pavement       Request         Alley betw. W. Center St., W. Clarke St., N. 82nd St., N. 83rd St.       Concrete       260.00 \$       47,500 \$       19,000       59       1951 Concrete       Pavement       Request         Alley betw. W. Chambers St., W. Locust St., N. 77th St., N. 78th St.       Concrete       604.00 \$       74,200 \$       21,000       79       1931 Concrete       Pavement       Request         Alley betw. W. Concordia Av., S. Herman St., E. Saveland Av., E. Wilbur       Concrete       620.00 \$       70,000 \$       19,500       69       1941 Concrete       Pavement       Request         South Half)       Concrete       320.00 \$       47,500 \$       13,500       59       1951 Concrete       Pavement       Request         Alley betw. W. Garfield Av., N. Hi Mount Bd., W. Lloyd St., N. 49th St.       Concrete       259.00 \$       37,000 \$       11,000 91       1919 Concrete       Pavement       Request         Alley betw. W. Hadley St., W. Locust St., N. 32nd St., N. 33rd St.       Concrete       614.00 \$       62,300 \$       17,500       85       1925 Concrete       Pavement       Request         Alley betw. W. Hadley St., W. Locust St., N. 32n	(Normeny East-west and Normeny Norm-South Leg)	Concrete	009.00	φ <del>3</del> 0,0	00	\$ 10,000	00	1924 Concrete		•
Alley betw. W. Center St., W. Clarke St., N. 82nd St., N. 83rd St., City       Concrete       250.00 \$       47,500 \$       19,000 \$       59       1951 Concrete       Pavement       Reguest         Alley betw. W. Chambers St., W. Locust St., N. 77th St., N. 78th St.       Concrete       604.00 \$       74,200 \$       21,000 79       1931 Concrete       Pavement       Reguest       Replace       Engineering         Alley betw. S. Clement Av., S. Herman St., E. Saveland Av., E. Wilbur       Concrete       620.00 \$       70,000 \$       19,500 69       1941 Concrete       Pavement       Reguest         Alley betw. W. Concordia Av., W. Townsend St., N. 91st St., N. 92nd St.       Concrete       320.00 \$       47,500 \$       13,500 59       1951 Concrete       Pavement       Reguest         Alley betw. W. Garfield Av., N. Hi Mount Bd., W. Lloyd St., N. 49th St.       Concrete       259.00 \$       37,000 \$       11,000 91       1919 Concrete       Pavement       Reguest         Alley betw. W. Hadley St., W. Locust St., N. 32nd St., S. 6th St.       Concrete       614.00 \$       37,500 \$       17,500 \$       1925 Concrete       Pavement       Reguest         Alley betw. W. Historic Mitchell St., W. Maple St., S. 5th St., S. 6th St.       Concrete       576.00 \$       58,200 \$       10,500 91       Concrete       Pavement       Reguest         Replace<	Alley betw W. Canitol Dr. W. Melvina St. N. 02nd St. N. 03rd St.	Concrete	289.00	¢ 66.9	00	¢ 10.000	54	1956 Concrete	•	
Limits Concrete 250.00 \$ 47,500 \$ 19,000 59 1951 Concrete Pavement Request Alley betw. W. Chambers St., W. Locust St., N. 77th St., N. 78th St. Alley betw. W. Chambers St., W. Locust St., N. 77th St., N. 78th St. Alley betw. W. Concordia Av., W. Townsend St., N. 91st St., N. 92nd St. Concrete 604.00 \$ 74,200 \$ 21,000 79 1931 Concrete Pavement Request Request South Half) Concrete 320.00 \$ 47,500 \$ 19,500 69 1941 Concrete Pavement Request Reque		Concrete	300.00	φ 00,0	00	φ 19,000	04	1950 Concrete		•
Alley betw. W. Chambers St., W. Locust St., N. 77th St., N. 78th St. Alley betw. S. Clement Av., S. Herman St., E. Saveland Av., E. Wilbur Av. Alley betw. W. Concordia Av., W. Townsend St., N. 91st St., N. 92nd St. (South Haif)Concrete604.00\$74,200\$21,000791931 ConcreteReplace Pavement ReplaceEngineering Request ReplaceAlley betw. W. Concordia Av., W. Townsend St., N. 91st St., N. 92nd St. (South Haif)Concrete620.00\$70,000\$19,500691941 ConcreteReplace ReplaceRequest ReplaceAlley betw. W. Garfield Av., N. Hi Mount Bd., W. Lloyd St., N. 49th St. (South Haif)Concrete259.00\$37,000\$11,000911919 ConcreteRequest RequestAlley betw. W. Hadley St., W. Locust St., N. 32nd St., N. 33rd St. (East-West Leg)Concrete614.00\$62,300\$17,500851925 Concrete 1971 Asphalt Surface on 1919Replace Pavement RequestEngineering RequestAlley betw. W. Historic Mitchell St., W. Maple St., S. 5th St., S. 6th St. (East-West Leg)Concrete576.00\$58,200\$16,500841926 Concrete PavementReplace ReplaceEngineering ReplaceAlley betw. W. Juneau Av., W. McKinley Av., N. 24th PI., N. 25th St. Northerly East-West Leg)Concrete566.00\$54,900\$15,500921918 Concrete PavementRequest ReplaceReplace ReplaceEngineering ReplaceAlley betw. W. Juneau Av., W. McKinley Av., N. 24th PI., N. 25th St. Northerly		Concrete	250.00	\$ 475	00	\$ 10.000	50	1951 Concrete	•	• •
Alley betw. W. Chambers St., W. Locust St., N. 77th St., N. 78th St.       Concrete       604.00 \$       74,200 \$       21,000 79       1931 Concrete       Pavement       Replace       Aldermanic         Alley betw. S. Clement Av., S. Herman St., E. Saveland Av., E. Wilbur       Concrete       620.00 \$       70,000 \$       19,500 69       1941 Concrete       Pavement       Replace       Aldermanic         Av.       Alley betw. W. Concordia Av., W. Townsend St., N. 91st St., N. 92nd St.       Concrete       320.00 \$       47,500 \$       13,500 59       1951 Concrete       Pavement       Replace       Engineering         South Half)       Concrete       320.00 \$       47,500 \$       13,500 59       1951 Concrete       Pavement       Replace       Engineering         Alley betw. W. Garfield Av., N. Hi Mount Bd., W. Lloyd St., N. 49th St.       Concrete       259.00 \$       37,000 \$       11,000 91       1919 Concrete       Pavement       Request         Alley betw. W. Hadley St., W. Locust St., N. 32nd St., N. 33rd St.       Concrete       614.00 \$       37,500 \$       10,500 91       1919 Concrete       Pavement       Replace       Engineering         Alley betw. W. Historic Mitchell St., W. Maple St., S. 5th St., S. 6th St.       Concrete       414.00 \$       37,500 \$       10,500 91       Concrete       Pavement       Replace       E	Ling	Concrete	200.00	φ +++,υ	00	φ 15,000	55	1331 COncrete		•
Alley betw. S. Clement Av., S. Herman St., E. Saveland Av., E. Wilbur       Concrete       620.00 \$       70,000 \$       19,500       69       1941 Concrete       Pavement       Request         Alley betw. W. Concordia Av., W. Townsend St., N. 91st St., N. 92nd St.       Concrete       320.00 \$       47,500 \$       13,500 59       1951 Concrete       Pavement       Request       Request       Field       Request       Reques	Alley betw W. Chambers St. W. Locust St. N. 77th St. N. 78th St.	Concrete	604.00	\$ 74.2	00	\$ 21.000	79	1931 Concrete	,	
Av.Concrete620.0070,00019,500691941 ConcretePavementRequestAlley betw. W. Concordia Av., W. Townsend St., N. 91st St., N. 92nd St. (South Half)Concrete320.0047,500\$13,500591951 ConcretePavementRequestAlley betw. W. Garfield Av., N. Hi Mount Bd., W. Lloyd St., N. 49th St.Concrete259.00\$37,000\$11,000911919 ConcretePavementRequestAlley betw. W. Hadley St., W. Locust St., N. 32nd St., N. 33rd St.Concrete614.00\$62,300\$17,500851925 ConcretePavementRequestAlley betw. W. Historic Mitchell St., W. Maple St., S. 5th St., S. 6th St. (East-West Leg)Concrete614.00\$37,500\$10,50091ConcretePavementRequestAlley betw. W. Juneau Av., W. McKinley Av., N. 24th Pl., N. 25th St. Alley betw. W. Juneau Av., W. McKinley Av., N. 24th Pl., N. 25th St. Alley betw. S. Lenox St., E. Lincoln Av., E. Linus St., S. Woodward St. (Northerly East-West Leg)\$16,500\$15,500921918 ConcretePavement Request ReplaceReplace ReplaceEngineering ReplaceAlley betw. S. Lenox St., E. Lincoln Av., E. Linus St., S. Woodward St. (Northerly East-West Leg)Concrete658.00\$78,000\$1925 ConcretePavement Request ReplaceRequest ReplaceAlley betw. S. Lenox St., E. Lincoln Av., E. Linus St., S. Woodward St. (Northerly East-West Leg)S16,500\$15,500921918 Concrete <td>•</td> <td>Concrete</td> <td>004.00</td> <td>ψ 14,2</td> <td>.00</td> <td>ψ 21,000</td> <td></td> <td></td> <td></td> <td>•</td>	•	Concrete	004.00	ψ 14,2	.00	ψ 21,000				•
Alley betw. W. Concordia Av., W. Townsend St., N. 91st St., N. 92nd St. (South Half)       Concrete       320.00 \$       47,500 \$       13,500 \$       1951 Concrete       Replace Pavement       Pavement       Request reied         Alley betw. W. Garfield Av., N. Hi Mount Ed., W. Lloyd St., N. 49th St.       Concrete       259.00 \$       37,000 \$       11,000 91       1919 Concrete       Replace Pavement       Operations Request Engineering         Alley betw. W. Hadley St., W. Locust St., N. 32nd St., N. 33rd St.       Concrete       614.00 \$       62,300 \$       17,500 85       1925 Concrete 1971 Asphalt       Pavement       Request Request         Alley betw. W. Historic Mitchell St., W. Maple St., S. 5th St., S. 6th St. (East-West Leg)       Concrete       414.00 \$       37,500 \$       10,500 91       Concrete       Pavement       Request Request         Alley betw. E. Holt Av., S. Illinois Av., S. Indiana Av., E. Morgan Av.       Concrete       576.00 \$       58,200 \$       16,500 84       1926 Concrete       Pavement       Replace Request       Engineering         Alley betw. S. Lenox St., E. Lincoln Av., E. Linus St., S. Woodward St. (Northerly East-West Leg)       Concrete       658.00 \$       54,900 \$       15,500 92       1918 Concrete       Pavement       Request Request         Replace (Portering       Concrete       658.00 \$       78,000 \$	Av.	Concrete	620.00	\$ 70.0	00 3	\$ 19.500	69	1941 Concrete		
(South Half)Concrete320.00 \$47,500 \$13,500 591951 ConcretePavementRequestAlley betw. W. Garfield Av., N. Hi Mount Bd., W. Lloyd St., N. 49th St.Concrete259.00 \$37,000 \$11,000 911919 ConcreteReplaceOperationsAlley betw. W. Hadley St., W. Locust St., N. 32nd St., N. 33rd St.Concrete614.00 \$62,300 \$17,500 851925 ConcretePavementReplaceEngineeringAlley betw. W. Historic Mitchell St., W. Maple St., S. 5th St., S. 6th St.Concrete414.00 \$37,500 \$10,500 91ConcretePavementReplaceEngineeringAlley betw. E. Holt Av., S. Illinois Av., S. Indiana Av., E. Morgan Av.Concrete576.00 \$58,200 \$16,500 841926 ConcretePavementRequestAlley betw. W. Juneau Av., W. McKinley Av., N. 24th PI., N. 25th St.Concrete656.00 \$54,900 \$15,500 921918 ConcretePavementRequestAlley betw. S. Lenox St., E. Lincoln Av., E. Linus St., S. Woodward St.Concrete658.00 \$78,000 \$22,000 851925 ConcretePavementReplaceYortherly East-West Leg)Concrete658.00 \$78,000 \$22,000 851925 ConcretePavementRequestReplaceConcrete658.00 \$78,000 \$22,000 851925 ConcretePavementRequestReplaceConcrete658.00 \$78,000 \$22,000 851925 ConcretePavementRequestReplaceConcrete658.00 \$78,000 \$22,000 851925 Concrete <td></td> <td>001101010</td> <td>020.00</td> <td>Ψ /0,0</td> <td></td> <td>φ 10,000</td> <td>00</td> <td></td> <td></td> <td>•</td>		001101010	020.00	Ψ /0,0		φ 10,000	00			•
Alley betw. W. Garfield Av., N. Hi Mount Bd., W. Lloyd St., N. 49th St.Concrete259.00\$37,000\$11,000911919 ConcreteReplace Pavement ReplaceReplace EngineeringAlley betw. W. Hadley St., W. Locust St., N. 32nd St., N. 33rd St.Concrete614.00\$62,300\$17,500851925 Concrete 1971 AsphaltPavement RequestRequest RequestAlley betw. W. Historic Mitchell St., W. Maple St., S. 5th St., S. 6th St. (East-West Leg)Concrete414.00\$37,500\$10,50091ConcretePavement PavementRequest RequestAlley betw. E. Holt Av., S. Illinois Av., S. Indiana Av., E. Morgan Av.Concrete576.00\$58,200\$16,500841926 ConcretePavement Request ReplaceReplace Request EngineeringAlley betw. W. Juneau Av., W. McKinley Av., N. 24th Pl., N. 25th St. Alley betw. S. Lenox St., E. Lincoln Av., E. Linus St., S. Woodward St. (Northerly East-West Leg)Concrete658.00\$78,000\$1925 ConcretePavement Pavement Request Request ReplaceRequest ReplaceAlley betw. S. Lenox St., E. Lincoln Av., E. Linus St., S. Woodward St. (Northerly East-West Leg)Concrete658.00\$78,000\$1925 ConcretePavement Pavement Request Request Request ReplacePavement Request Request ReplaceRequest ReplaceAlley betw. S. Lenox St., E. Lincoln Av., E. Linus St., S. Woodward St. (Northerly East-West Leg)S78,000\$15,50092 <t< td=""><td></td><td>Concrete</td><td>320.00</td><td>\$ 47.5</td><td>00</td><td>\$ 13.500</td><td>59</td><td>1951 Concrete</td><td></td><td></td></t<>		Concrete	320.00	\$ 47.5	00	\$ 13.500	59	1951 Concrete		
Alley betw. W. Garfield Av., N. Hi Mount Bd., W. Lloyd St., N. 49th St. Alley betw. W. Hadley St., W. Locust St., N. 32nd St., N. 33rd St. Concrete 614.00 \$ 62,300 \$ 11,000 91 1919 Concrete Alley betw. W. Historic Mitchell St., W. Maple St., S. 5th St., S. 6th St. (East-West Leg) Concrete 414.00 \$ 37,500 \$ 10,500 91 Concrete Pavement Request Replace Engineering Alley betw. W. Juneau Av., S. Indiana Av., E. Morgan Av. Alley betw. W. Juneau Av., W. McKinley Av., N. 24th Pl., N. 25th St. (Northerly East-West Leg) Concrete 658.00 \$ 78,000 \$ 22,000 85 1925 Concrete Pavement Request Replace Engineering Pavement Request Replace Engineering Request Replace Engineering Pavement Request Replace Resident Pavement Request Replace Resident Replace Resi			020.00	•	••	•	•••			•
Alley betw. W. Garfield Av., N. Hi Mount Bd., W. Lloyd St., N. 49th St.       Concrete       259.00 \$       37,000 \$       11,000 91       1919 Concrete       Pavement       Request         Alley betw. W. Hadley St., W. Locust St., N. 32nd St., N. 33rd St.       Concrete       614.00 \$       62,300 \$       17,500 85       1925 Concrete       Pavement       Request         Alley betw. W. Historic Mitchell St., W. Maple St., S. 5th St., S. 6th St.       Concrete       614.00 \$       37,500 \$       10,500 91       Concrete       Pavement       Request         (East-West Leg)       Concrete       414.00 \$       37,500 \$       10,500 91       Concrete       Pavement       Request         Alley betw. E. Holt Av., S. Illinois Av., S. Indiana Av., E. Morgan Av.       Concrete       576.00 \$       58,200 \$       16,500 84       1926 Concrete       Pavement       Request         Alley betw. W. Juneau Av., W. McKinley Av., N. 24th Pl., N. 25th St.       Concrete       656.00 \$       54,900 \$       15,500 92       1918 Concrete       Pavement       Request         Alley betw. S. Lenox St., E. Lincoln Av., E. Linus St., S. Woodward St.       Concrete       658.00 \$       78,000 \$       22,000 85       1925 Concrete       Pavement       Request         Kortherly East-West Leg)       Concrete       658.00 \$       78,000 \$       22,000 85									Replace	
Alley betw. W. Hadley St., W. Locust St., N. 32nd St., N. 33rd St. Alley betw. W. Historic Mitchell St., W. Maple St., S. 5th St., S. 6th St. (East-West Leg) Alley betw. E. Holt Av., S. Illinois Av., S. Indiana Av., E. Morgan Av. Alley betw. W. Juneau Av., W. McKinley Av., N. 24th Pl., N. 25th St. Alley betw. S. Lenox St., E. Lincoln Av., E. Linus St., S. Woodward St. (Northerly East-West Leg) Alley betw. S. Lenox St., E. Lincoln Av., E. Linus St., S. Woodward St. (Northerly East-West Leg) Alley betw. S. Lenox St., E. Lincoln Av., E. Morgan Av. (Northerly East-West Leg) Alley betw. S. Lenox St., E. Lincoln Av., E. Morgan Av. (Northerly East-West Leg) (Northerly East-West Leg	Alley betw. W. Garfield Av., N. Hi Mount Bd., W. Lloyd St., N. 49th St.	Concrete	259.00	\$ 37,0	00	\$ 11,000	91	1919 Concrete	•	•
Alley betw. W. Hadley St., W. Locust St., N. 32nd St., N. 33rd St.       Concrete       614.00 \$       62,300 \$       17,500       85       1925 Concrete       Pavement       Request         Alley betw. W. Historic Mitchell St., W. Maple St., S. 5th St., S. 6th St.       Concrete       614.00 \$       37,500 \$       10,500 91       Concrete       Pavement       Request         (East-West Leg)       Concrete       414.00 \$       37,500 \$       10,500 91       Concrete       Pavement       Request         Alley betw. E. Holt Av., S. Illinois Av., S. Indiana Av., E. Morgan Av.       Concrete       576.00 \$       58,200 \$       16,500 84       1926 Concrete       Pavement       Request         Alley betw. W. Juneau Av., W. McKinley Av., N. 24th Pl., N. 25th St.       Concrete       656.00 \$       54,900 \$       15,500 92       1918 Concrete       Pavement       Request         Alley betw. S. Lenox St., E. Lincoln Av., E. Linus St., S. Woodward St.       Concrete       658.00 \$       78,000 \$       22,000 85       1925 Concrete       Pavement       Request         (Northerly East-West Leg)       Concrete       658.00 \$       78,000 \$       22,000 85       1925 Concrete       Pavement       Request         Replace       Concrete       658.00 \$       78,000 \$       22,000 85       1925 Concrete       Pavement				. ,		•			Replace	
Alley betw. W. Historic Mitchell St., W. Maple St., S. 5th St., S. 6th St. (East-West Leg) Concrete 414.00 \$ 37,500 \$ 10,500 91 Concrete Pavement Replace Engineering Alley betw. E. Holt Av., S. Illinois Av., S. Indiana Av., E. Morgan Av. Concrete 576.00 \$ 58,200 \$ 16,500 84 1926 Concrete Pavement Replace Engineering Alley betw. W. Juneau Av., W. McKinley Av., N. 24th Pl., N. 25th St. Alley betw. S. Lenox St., E. Lincoln Av., E. Linus St., S. Woodward St. (Northerly East-West Leg) Concrete Concrete 658.00 \$ 78,000 \$ 22,000 85 1925 Concrete Pavement Request Field Replace Operations	Alley betw. W. Hadley St., W. Locust St., N. 32nd St., N. 33rd St.	Concrete	614.00	\$ 62,3	00 3	\$ 17,500	85	1925 Concrete	•	• •
(East-West Leg) Alley betw. E. Holt Av., S. Illinois Av., S. Indiana Av., E. Morgan Av. Alley betw. W. Juneau Av., W. McKinley Av., N. 24th PI., N. 25th St. Alley betw. S. Lenox St., E. Lincoln Av., E. Linus St., S. Woodward St. (Northerly East-West Leg) Concrete 658.00 \$ 78,000 \$ 22,000 85 1925 Concrete Pavement Request Replace Engineering Pavement Request Replace Resident Replace Resident Field Replace Operations	• • • • • •							1971 Asphalt		•
Alley betw. E. Holt Av., S. Illinois Av., S. Indiana Av., E. Morgan Av.       Concrete       576.00 \$       58,200 \$       16,500 84       1926 Concrete       Replace       Engineering         Alley betw. W. Juneau Av., W. McKinley Av., N. 24th PI., N. 25th St.       Concrete       656.00 \$       54,900 \$       15,500 92       1918 Concrete       Pavement       Replace       Engineering         Alley betw. S. Lenox St., E. Lincoln Av., E. Linus St., S. Woodward St.       Concrete       658.00 \$       78,000 \$       22,000       85       1925 Concrete       Pavement       Replace       Replace       Replace       Replace       Replace       Replace       Engineering         (Northerly East-West Leg)       Concrete       658.00 \$       78,000 \$       22,000       85       1925 Concrete       Pavement       Request         Field       Replace       Operations       Field       Field       Field	Alley betw. W. Historic Mitchell St., W. Maple St., S. 5th St., S. 6th St.							Surface on 1919	Replace	Engineering
Alley betw. E. Holt Av., S. Illinois Av., S. Indiana Av., E. Morgan Av.       Concrete       576.00 \$       58,200 \$       16,500 84       1926 Concrete       Pavement       Request         Alley betw. W. Juneau Av., W. McKinley Av., N. 24th PI., N. 25th St.       Concrete       656.00 \$       54,900 \$       15,500 92       1918 Concrete       Pavement       Request         Alley betw. S. Lenox St., E. Lincoln Av., E. Linus St., S. Woodward St.       Concrete       658.00 \$       78,000 \$       22,000       85       1925 Concrete       Pavement       Request         (Northerly East-West Leg)       Concrete       658.00 \$       78,000 \$       22,000       85       1925 Concrete       Pavement       Request         Field       Replace       Operations       Field       Field       Field	(East-West Leg)	Concrete	414.00	\$ 37,5	00 3	\$ 10,500	91	Concrete	Pavement	Request
Alley betw. W. Juneau Av., W. McKinley Av., N. 24th PI., N. 25th St. Concrete 656.00 \$ 54,900 \$ 15,500 92 1918 Concrete Pavement Request Alley betw. S. Lenox St., E. Lincoln Av., E. Linus St., S. Woodward St. (Northerly East-West Leg) Concrete Co									Replace	Engineering
Alley betw. W. Juneau Av., W. McKinley Av., N. 24th PI., N. 25th St. Concrete 656.00 \$ 54,900 \$ 15,500 92 1918 Concrete Pavement Request Alley betw. S. Lenox St., E. Lincoln Av., E. Linus St., S. Woodward St. (Northerly East-West Leg) Concrete 658.00 \$ 78,000 \$ 22,000 85 1925 Concrete Pavement Request Field Replace Operations	Alley betw. E. Holt Av., S. Illinois Av., S. Indiana Av., E. Morgan Av.	Concrete	576.00	\$ 58,2	00 3	\$ 16,500	84	1926 Concrete	Pavement	Request
Alley betw. S. Lenox St., E. Lincoln Av., E. Linus St., S. Woodward St. (Northerly East-West Leg) Concrete 658.00 \$ 78,000 \$ 22,000 85 1925 Concrete Pavement Request Field Replace Operations	6								Replace	Engineering
(Northerly East-West Leg) Field Replace Operations	Alley betw. W. Juneau Av., W. McKinley Av., N. 24th Pl., N. 25th St.	Concrete	656.00	\$ 54,9	00 3	\$ 15,500	92	1918 Concrete		Request
Field Replace Operations	Alley betw. S. Lenox St., E. Lincoln Av., E. Linus St., S. Woodward St.								•	
Replace Operations	(Northerly East-West Leg)	Concrete	658.00	\$ 78,0	00 :	\$ 22,000	85	1925 Concrete	Pavement	
		_							•	•
Alley betw. W. Leroy Av., W. Plainfield Av., S. 51st St., S. 52nd St. Concrete 752.00 \$ 115,900 \$ 33,000 50 1960 Concrete Pavement Request	Alley betw. W. Leroy Av., W. Plainfield Av., S. 51st St., S. 52nd St.	Concrete	752.00	\$ 115,9	900 \$	\$ 33,000	50	1960 Concrete	Pavement	Request

Title	New pavement	Length	Total Cost	No.	Assess	Age	Old Pavement	Reason	Requested by
								Replace	Engineering
Alley betw. W. Morgan Av., W. Verona Ct., S. 73rd St., S. 75th St.	Concrete	800.00	\$ 100,400	\$	22,000	52	1958 Concrete	Pavement	Request
								Replace	Engineering
Alley betw. W. Nash St., W. Vienna Av., N. 98th St., N. 99th St.	Concrete	600.00	\$ 74,000	\$	21,000	57	1953 Concrete	Pavement	Request
									Field
							1916 Penetration	Replace	Operations
Alley betw. W. Scott St., W. Washington St., S. 7th St., S. 8th St.	Concrete	300.00	\$ 26,400	\$	8,000	94	Tar Macadam	Pavement	Request
								Replace	Engineering
Alley betw. W. Scott St., W. Washington St., S. 17th St., S. 18th St.	Concrete	320.00	\$ 66,600	\$	41,900	72	1938 Concrete	Pavement	Request

Total

\$ 1,385,900 \$ 385,900

# Capital Improvement Request Part II

		blic Works		-		No. ST210100000				
Project/Program Title: <u>New</u>	Street constr	uction			Account	NO				
Year	r	ax Levy/Borrowing	Grant & A	id	Revenue	Special Assessment	Enterprise	Total Cost		
Remaining Balance for 2010	Г					\$100,000		\$100,000		
2010 Budget Request	F	\$200,000				\$50,000		\$250,000		
2011 Projection	F	\$200,000				\$150,000		\$350,000		
2012 Projection	F	\$200,000			· · ·	\$150,000		\$350,000		
2013 Projection	F	\$200,000				\$150,000		\$350,000		
2014 Projection	F	\$200,000				\$150,000		\$350,000		
2015 Projection	F	\$200,000				\$150,000		\$350,000		
Total Six Year Cost	F	\$1,200,000	\$0		\$0	\$800,000	\$0	\$2,000,000		
Total Project Cost	F	\$1,200,000	\$0		\$0	\$900,000	\$0	\$2,100,000		
	L	<b>I</b>		<b>I</b>				·		
Life to Date Expenditures (Project On	iy) [	\$0	\$0		\$0	\$0	\$0	\$0		
			-					_		
Avaiiable Cost Estimate: Thorough Cost Estimate	2009	2010	<b>201</b> 1	2012	2013	2014				
Limited Information										
Based on Cost of Similar Projects										
Unsupported										
Nere cost estimates confirmed by an			🗌 Yes 🗹 N	o 🗌 Una	ertain					
Are cost estimates based on industry			🗹 Yes 🗌 N	o 🗌 Una	ertain					
Will city employees be performing any		e work?	🗹 Yes 🗌 N	o 🗌 Unci	ertain					
Did you perform a cost/benefit analys	is?		🗌 Yes 🗌 N	o 🗌 Unci	ertain					
How will this project impact city operating expenditures?			✓ Increase	Dec	rease 🗌 None					
Estimated Start Date:										
Estimated Completion Date:										
			Department He	ead Signa	ture					
			Prepared By/P	hone Ext	M. Dziew	M. Dziewiontkoski -2460				

## Capital Improvement Request Form Part I

Proj	ject/Program Title:	Developer Agreement Paving Requesting Department: DPW/ISD
Prepared By/Phone Ext:		M. Dziewiontkoski -2460 4/04/09 Department Head Signature:
$\bigcirc$	ount No:	ST214100000
A)	Department Priority	of Usefui Life50 Years Level of Need [] Essential [] Important [] Desired
	•• •	New     Replacement     Repair     Project/Program Scope     Fully Defined     Partially Defined       On-Going Program     Image: Comparison of the second secon
B)	Description Infrastructure Street Related Sidewalks Building ADA Office Miscellaneous Deve	Remodeling New Building Elevators Garage Mechanical
		nformation Systems Equipment Other
c)	<b>Project/Program Du</b> One Year On-Going Program Multi-Year	ration ☐ Yes ☐ No ☑ Yes ☐ No ☐ Yes ☐ No Number of Years
	Total Positions	Total FTEs
	Position Title	No. of Positions         FTEs         Salaries         \$
E)	In Six Year Capital I Yes 2008-20	
F)	Milwaukee Code of Ord	provements for new residential and commercial developments is covered by out-of-program agreements in accordance with the inances. This program provides for the construction of streets and alleys required to serve platted subdivisions and planned s provided by the developer. The objective of the program is to provide permanent pavement facilities to serve new
G)	Additional Commen	ts

STREET PAVING PROJECTS (Federal and/or State Aided Projects)

- Introduction
- BUDGET SUMMARY using PQI (Pavement Quality Index) and Risk

Lois Gresl Management Civil Eng. Sr.

### **INTRODUCTION**

4

**Street Paving Projects** 

We do not have ratings on County projects or other projects unless the other project is strictly paving.

#### ATTACHEMENT 2(2010 BUDGET) FEDERAL AND/OR STATE AIDED PROJECTS (2009 REMAINING FUNDING NEEDS FROM PARENT ACCOUNTS)

түре	PQI	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON- ASSESSABLE	RISK	JUSTIFICATION
		LOCAL JURISDICTION PR	OJECTS:					
STP-A	3.0	S. 2nd St. W. National Ave. to W. St. Paul Ave.QUIETZONE						80 - 2-3
		Preliminary Engineering	\$100,000			\$100,000	COMPLEX	RR Coordination TRAFFIC VOLUME, DCD
		Construction Traffic Control Lighting Conduit QUIETZONE Construction	\$1,400,000 \$95,000 \$150,000 \$650,000	\$1,120,000 \$76,000	\$100,000	\$180,000 \$19,000 \$150,000 \$650,000	COMPLEX	DEVELOPMENT
STP-A	3.70	S. 13th St. W. Cleveland to W. Forest Home Preliminary Engineering	\$230,000	\$184,000		\$46,000	NA	
		Freiminaly Engineering	\$250,000	\$104,000		\$40,000	NA	
STP-A	3.70	E/W. North Ave. N. DMLK Drive to N. Booth Preliminary Engineering	\$205,000	\$164,000		\$41,000	NA	
STP-A	2,50	S. 35th Street W. Burnham Ave. to W. Greenfield Ave.						
		Preliminary Engineering	\$186,600	\$149,300		\$37,300	NA	75
STP-A	2.50	W. Lisbon Ave. Soo Line RR to N. 40th Street Construction Traffic Lighting Conduit	\$2,500,000 \$70,000 \$100,000	\$2,000,000 \$56,000	\$120,000	\$380,000 \$14,000 \$100,000	LOW	
STP-A`	2.70	W. Lloyd St. N. 47th St. N. 60th St. Preliminary Engineering	\$320,400	\$256,320		\$64,080	NA	
STP-A	3.50	N. Port Washington Ave. N. DMLK to W. Fiebrantz Ave Preliminary Engineering	\$399,360	\$319,500		\$79,860	NA	
STP-A	3.00	W. Hampton Ave. N. Green Bay Ave. to N. Teutonia Ave. Preliminary Engineering	\$320,400	\$256,300		\$64,100	NA	
STP-A	2.6	W. Oklahoma Avc. S. 60th St. to S. 72nd St. Construction	\$3,950,000	\$3,160,000	\$100,000	\$690,000		
		Traffic Control Lighting Conduit	\$70,000 \$100,000	\$56,000		\$14,000 \$100,000	LOW	
STP-A	3.0	W. State St. N 27th St. to N. 17th St						
		Construction Traffic Control Lighting Conduit SUBTOTAL (STP-A)	\$2,100,000 \$50,000 \$130,000 \$13,126,760	\$1,680,000 \$40,000 \$9,517,420	\$100,000 \$420,000	\$320,000 \$10,000 \$130,000 \$3,189,340	LOW	

## ATTACHEMENT 2(2010 BUD@&7) FEDERAL AND/OR STATE AIDED PROJECTS (2009 REMAINING FUNDING NEEDS FROM PARENT ACCOUNTS)

TYPE	PQI	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON- ASSESSABLE	RISK	JUSTIFICATION
		LOCAL SYSTEM BRIDGE P	ROJECTS:					
STP-BR		W. Hampton Ave. Bridge						
		Over Lincoln Creek						
		Construction	\$325,000	\$260,000		\$65,000	LOW	
STP-BR		S. Howell Ave. Bridge Over UPRR						
SHEA		Construction	\$150,000	\$120,000		\$30,000	LOW	
						••••	2011	
STP-BR		Villard Ave Over Lincoln Creek						
		Preliminary Engineering	\$132,000	\$105,600		\$26,400	NA	
STP-BR		White I to Out I TODD						
SIP-BR		Whitnal Ave. Over UPRR Preliminary Engineering	\$116,000	\$92,800		£27.200	NA	
		SUBTOTAL (STP-BR)	\$723,000	\$578,400	50	\$23,200 \$144,600	INA	
		SUBTOTAL (STF*BR)	3723,000	3370,400	30	3144,000		
		COUNTY JURISDICTION PR	OJECTS:					
со		S. 13th St. (West Half)						
		W College Ave. to						
		W. Rawson Ave.						
		Real Estate	\$125,000	\$100,000		\$25,000		
		Construction	\$1,531,000	\$1,224,800	\$72,500	\$233,700		
60								
со		W. College Ave. Howell to						
		Pennsylvania 2355-05-15 Real Estate	\$30,000	0		\$30,000		
		Construction	\$220,000			\$220,000		
			\$220,000			\$110,000		
CO		W. Good Hope Rd ID 2130-12-00						
		Bridge Over Menomonee River						
		B-40-0497						
1		Preliminary Engineering	\$25,000			\$25,000		
		Construction	\$50,000			\$50,000		
со		W. Good Hope Rd 1D2130-10-00						
		Bridge Over Meomonee River						
		B-40-0498						
		Preliminary Engineering	\$25,000			\$25,000		
		Construction	\$75,000			\$75,000		
~		Late Bark Dates						
C0		Lake Park Drive						
		Over N Drainage Ravine Preliminary Engineering	<b>\$</b> 10,000			\$10,000		
		Construction	\$40,000			\$40,000		
со		W. Silver Spring Bridges Over						
		Menomonee River Preliminary Engineering	\$10,000			\$10,000		
		- string angrivering	\$10,000			\$10,000		
co		W.Silver Spring Dr. N. 90th to	્ય					
		N. 68th Street						
		Preliminary Engineering	\$35,000			\$35,000		
		SUBTOTAL(CO)	<b>\$2,1</b> 76,000	\$1,324,800	\$72,500	\$778,700		

## ATTACHEMENT 2(2010 BUDGGT) FEDERAL AND/OR STATE AIDED PROJECTS (2009 REMAINING FUNDING NEEDS FROM PARENT ACCOUNTS)

TYPE	PQI	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON- ASSESSABLE	RISK	JUSTIFICATION
		STATE JURISDICTION PR	OJECTS:					
STP-CH	2.1	W. Blue Mound Rd						
		Zoo Freeway to N. Mayfair Rd						
		Construction	\$3,050,000	\$2,845,000	\$65,000	\$140,000	LOW	
		Traffic Control	\$80,000	\$80,000				
		Lighting Conduit	\$50,000			\$50,000		
STP-CH	4.3	E. State St. N. Prospect Ave. to						
		N. Edison St.					LOW	
		Construction	\$1,500,000	\$1,300,000	\$50,000	\$150,000		
		Traffic Control	\$250,000	\$250,000				
		Lighting Conduit	\$100,000			\$100,000		
STATE		SUBTOTAL(STP-CH) Intersection of STH 145 and	\$5,030,000	\$4,475,000	\$115,000	\$440,000		
STATE		Fon du Lae Avenue						
		Construction	\$465,000	\$460,000		\$5,000		
			,					
STATE	4.00	W. Forest Home Ave.(STH 24)						
		S. 43rd St. to Hwy 100(2120-14-70)						
		Construction	\$6,370,000	\$5,650,000	\$50,000	\$670,000		
STATE	4.6	W. Brown Deer Rd(STH 100)						
011112	<b>•••</b>	N. 91st St to N. 124th St.						
		Construction	\$2,325,000	\$2,300,000		\$25,000		
	[							
STATE		W. Hampton Bridge Over						
		USH 45	E15.000			<b>61</b> 6 000		
		Preliminary Engineering Construction	\$15,000 \$25,000			\$15,000 \$25,000		
		SUBTOTAL(STATE)	\$9,200,000	\$8,410,000	\$50,000	\$740,000		
		OTHER PROJECT	s					
CMAQ		Capitol, Atkinson, Teutonia					1	
		2984-13-74						
		Construction	\$420,000	\$420,000			LOW	
CMAQ		W. FonduLac 1360-02-78						
		Streetscaping					Complex	DCD DEVELOPMENT
		Construction	\$460,000	\$460,000			- ×	
MSIP-D	4.20	E Lincoln Aug a Lincoln De Ar						
INI SIL-D	4,20	E. Lincoln Ave. s. Lincoln Dr. to E. Bay St.						
		Construction	\$780,000	\$355,000		\$425,000		
						\$ 125,000		
CMAQ		Milwaukee CBD Phase V &VI						
		Engineering	\$600,000	\$480,000		\$120,000	LOW	
HSIP		S. 27th St. RIDP						
nətr		Construction	\$232,200	\$208,980		<b>\$2</b> 3,220		
		Traffic and St. Lighting	\$132,300	\$119,070		\$13,230	LOW	
				, •		0.0,200		
CMAQ		North Ave, Bronzeville2135-04-70						
		Streetscape	E 436 000	f 436 000				
. 1		Construction	\$435,000	\$435,000	i		LOW	1

## ATTACHEMENT 2(2010 BUDQ&33) FEDERAL AND/OR STATE AIDED PROJECTS (2009 REMAINING FUNDING NEEDS FROM PARENT ACCOUNTS)

C

түре	PQI	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON- ASSESSABLE	RISK	JUSTIFICATIO
СМАQ		Summerfest Advanced Parking Guidance Phase 2 1693-37-70 Construction	\$969,000	\$775,200		\$193,800	LOW	
TE		W. National Avenue 2410-12-70 Streetscape Construction	\$600,000	\$600,000			LOW	
СМАQ		S. Kinnickinnic Bike Trail St. 6th to W. Washington 2984-24-70	#200,500	4000,000			2011	
		Construction Struct 2 Gmfld/KK	\$225,000	\$180,000		\$45,000	LOW	
ТE		Hank Aaron State Trail 2984-23-70 44th Street Segment Construction	\$640,000	\$512,000		\$128,000	LOW	
TE		Hank Aaron State Trail 2984-43-70 Airline Yards Construction	\$624,700	\$624,700			LOW	8
TE		Hank Aaron State Trail 2984-43-00					LOW	
		Airline Yards Preliminary Engineering	<b>\$</b> 93,700	<b>\$</b> 93,700			LOW	
НРР		Silver Spring Ave. 2090-12-02/70/90 Enhancements	\$240,000	\$240,000		2	LOW	
HPP		Bike/ Pedestrian Connection2984-23- Hank Aaron State Trail	\$2,700,000	\$2,600,000		\$100,000	LOW	
CMAQ		Bicycle Lane Installations2984-41-70 Construction	\$470,000	\$376,000		\$94,000	LOW	
DEV		Pier Wisconsin/Summerfest Harbor Dr. upgrade					Complex	Policy issues
		Construction KRM local match	\$1,100,000 \$20,000	\$500,000	\$300,000	\$300,000 \$20,000		
		Connector Study	\$20,000	\$2,700,000		\$300,000		
CMAQ		Bike Lane Installations Construction(1693-44-70)	\$330,000	\$264,000		\$66,000	LOW	
HSIP		Burleigh, Roosevelt and 60th St. Construction	\$140,000	\$126,000		\$14,000		
		Traffic Control Forestry	\$70,000 \$56,000	\$63,000 \$50,400	:	\$7,000 \$5,600		
HSIP		Lapham&13th St. Preliminary Engineering	\$25,000	\$20,000		\$5,000 \$13,000		

10budgetAtt2009

## ATTACHEMENT 2(2010 BUDGIGT) FEDERAL AND/OR STATE AIDED PROJECTS (2009 REMAINING FUNDING NEEDS FROM PARENT ACCOUNTS)

<ul> <li>Wright &amp; 35th St. Preliminary Engineering Traffie Control</li> <li>Pedestrian Countdown Indications Preliminary Engineering Construction</li> <li>Hopkins Elementary(1009-00-77) School Improvements Construction</li> <li>Open Metal Grate Bike Lanes Preliminary Engineering Construction</li> <li>N. 27th St. Streetscape DCD funding Local Share</li> </ul>	\$25,000 \$65,000 \$150,000 \$2,250,000 \$47,000 \$100,000 \$600,000	\$20,000 \$52,000 \$135,000 \$2,025,000 \$47,000 \$80,000 \$480,000		\$5,000 \$13,000 \$15,000 \$225,000 \$22,000 \$20,000 \$120,000		
Indications Preliminary Engineering Construction Hopkins Elementary(1009-00-77) School Improvements Construction Open Metal Grate Bike Lanes Preliminary Engineering Construction N. 27th St. Streetscape	\$2,250,000 \$47,000 \$100,000	\$2,025,000 \$47,000 \$80,000		\$225,000		
School Improvements Construction Open Metal Grate Bike Lanes Preliminary Engineering Construction N. 27th St. Streetscape	\$100,000	\$80,000				
Preliminary Engineering Construction N. 27th St. Streetscape						
				\$120,000		
Preliminary Engineering Construction	\$128,700 \$858,000	\$128,700 \$858,000				
Various Safety projects Various Locations Preliminary Engineering Construction	\$100,000 \$500,000	\$90,000 \$450,000		\$10,000 \$50,000		
City Comprehensive System Arterial Streets	\$150,000			\$150,000		
Misc. Transportation Studies	\$150,000			\$150,000		2
Pavement Management System Arterial Streets	\$150,000			\$150,000		
Various Engineering and Construction Shortfall Resolutions	\$4,000,000	\$3,200,000		\$800,000		
Administration	\$600,000			\$600,000		
SUBTOTAL			\$300,000	\$4,180,850		
	Arterial Streets Mise, Transportation Studies Pavement Management System Arterial Streets Various Engineering and Construction Shortfall Resolutions	Arterial Streets\$150,000Mise_Transportation Studies\$150,000Pavement Management System Arterial Streets\$150,000Various Engineering and Construction Shortfalt Resolutions\$4,000,000Administration\$600,000	Arterial Streets\$150,000Mise. Transportation Studies\$150,000Pavement Management System Arterial Streets\$150,000Various Engineering and Construction Shortfalt Resolutions\$4,000,000\$3,200,000Administration\$600,000SUBTOTAL\$24,301,600\$19,820,750	Arterial Streets\$150,000Mise, Transportation Studies\$150,000Pavement Management System Arterial Streets\$150,000Various Engineering and Construction Shortfall Resolutions\$4,000,000\$3,200,000Administration SUBTOTAL\$24,301,600\$19,820,750\$300,000	Arterial Streets         \$150,000         \$150,000           Mise_Transportation Studies         \$150,000         \$150,000           Pavement Management System Arterial Streets         \$150,000         \$150,000           Various Engineering and Construction Shortfall Resolutions         \$4,000,000         \$3,200,000           Administration SUBTOTAL         \$24,301,600         \$19,820,750         \$300,000	Arterial Streets\$150,000\$150,000Misc. Transportation Studies\$150,000\$150,000Pavement Management System Arterial Streets\$150,000\$150,000Various Engineering and Construction Shortfalt Resolutions\$4,000,000\$3,200,000\$800,000Administration\$600,000\$600,000\$300,000\$4,180,850

2009

Assessable Non-Assesable Funds Available March 20, 2009 In Parent Accounts (Unencumbered Carry Over) \$1,265,213 \$5,073,573 Appropriation for 2009 Cash \$0 **S**0 Borrowing \$100 \$4,114,191 Subaccount Close-Outs (Estimated) \$50,729 \$396,344 \$1,316,042 \$9,584,108 Total 2009 Needs \$992,500 **\$**9,446,490 Assumed 2009 Carryover \$323,542 \$137,618

## MAJOR STREET IMPROVEMENTS 2010 BUDGET SUMMARY

			2010	BUDGET SU	<u>MMARY</u>				
	PQI	ТҮРЕ	PROJECT	TOTAL PROJECT	GRANTOR'S	· · · · · · · · · · · · · · · · · · ·	NON-	RISK	JUSTIFICATION
	r vi		TROUECT	COSTS	COST	ASSESSABLE	ASSESSABLE	RISK	JUSTIFICATION
$\bigcirc$			LOCAL JURISDICTION PR						
	2.9	STP-A	S. 1st St. E. Lincoln Avenue to S. Kinniekinnic Ave Construction Traffic Control Lighting Conduit	\$1,500,000 \$150,000 \$70,000	\$1,200,000 \$120,000	\$50,000	\$250,000 \$30,000 \$70,000	LOW	
	4.0	STP-A	E. Keefe Ave. N. Humboldt to N. Port Washington Rd. Construction Traffic Control Lighring Conduit	\$1,800,000 \$100,000 \$40,000	\$1,440,000 \$80,000	\$60,000	\$300,000 \$20,000 \$40,000	LOW	
			SUBTOTAL (STP-A)	\$3,660,000	\$2,840,000	SI 10,000	\$710,000		
			LOCAL SYSTEM BRIDGE P			ŕ	, , , , , , , , , , , , , , , , , , ,		
		STP-BR	N. 45th St. Bridge Over Menomonee River Construction	\$125,000	\$100,000		\$25,000	COMPLEX	Landlocked Adj Busines
		STP_BR	W. Granville Rd. LittleMenomonee River Bridge Construction	\$10,000	\$8,000		\$2,000	COMPLEX	Real Estate &Water Way
		STP-BR	E. Lincoln Ave. Bridge Over Union Pacific RR Construction	\$280,000	\$224,000		\$56,000	COMPLEX	Deck Replacement, Work over RR
		STP-BR	W. Nonh Ave. Over Canadian Pacific RR Preliminary Engineering	\$100,000	\$80,000		\$20,000	COMPLEX	Bridge Replacement over RR
$\bigcirc$		STP-BR	S. Whitnall Ave Bridge Over UPRR Construction	\$125,000	\$100,000		\$25,000	LOW	
		STP-BR	Local System Bridge Program Various Locations Preliminary Engineering SUBTOTAL (STP-BR)	\$150,000 \$665,000	\$120,000 \$532,000	\$0	\$30,000 \$133,000		
		со	COUNTY JURISDICTIONAL N. 107th St. Brown Deer to North City Limits Preliminary Engineering	\$40,000			\$40,000		
		со	W. Mill Rd N. East City Limits 10 N. 43rd. Preliminary Engineering	\$50,000			\$50,000		
		со	College Ave. S. 13th Street to S. 20th Street Construction	\$100,000			\$100,000		
		со	W. Silver Spring Dr. N. 90th St to N. 68th St. Construction SUBTOTAL (CO)	\$250,000 \$440,000	\$0	50	\$250,000 \$440,000		

2/9/2010

2/9/2010

# MAJOR STREET IMPROVEMENTS

PQI	ТҮРЕ	PROJECT	TOTAL PROJECT COSTS	GRANTOR'S COST	ASSESSABLE	NON- ASSESSABLE	RIŠK	JUSTIFICATION
		STATE JURISDICTION PR	OJECTS:					
2.5	STP-СН	W. FDL Ave. N. 60th to						
		W. Hampton						
		Preliminary Engineering	\$285,500	\$214,120		\$71,380	NA	
7.7	STP-CH	N. 27th St. W. St. Paul Ave to						ł
		W. Highland Blvd.					COMPLEX	DCD DEVELOPMEN
		Construction	\$2,500,000	\$2,125,000	\$50,000	\$325,000		
		Traffic Control	\$220,000	\$220,000				
		Lighting Conduit	\$120,000			\$120,000		
		SUBTOTAL (STP-CH)	\$285,500	\$214,120	<b>S</b> 0	\$71,380		
5.0	STATE	W. Loomis Rd(STH36)						
5.0	SIAIC	S. 51st St. to W. Fardale Ave.						
		Construction	\$11,000,000	\$10,925,000		\$75,000		
		SUBTOTAL (STATE)	\$11,000,000	\$10,925,000	\$0	\$75,000	1	
		ļ						
		OTHER PROJECTS	i:					
	СМАQ	Bayview To Downtown 1302-06-01						
		Bike Route						
		Construction	\$2,023,850	\$1,619,080		\$404,770	LOW	
		Milwaukee CBD Streetscape						
		Phase V & VI	\$1,750,000	\$1,400,000		\$350,000		
		Construction St. Lighting &Traffic	\$250,000	\$200,000		\$50,000		
		Milwaukee CBD Streetscape					]	
	1	Phase VII						
		Preliminary Engineering	\$250,000	\$200,000		\$50,000		
		Forest Home, Oklahoma 27th St.						
	1	Phase 1 (2984-02-99)						
		Construction	\$320,000	\$256,000		\$64,000		
	CMAQ	Congestion Mitigation & Air						
		Quality Various Locations	##00 000	E400.000		6100.000	1	
		Preliminary Engineering	\$500,000	\$400,000		\$100,000		
	HSIP	Miscellaneous Safety Improvements						
		Preliminary Engineering	\$30,000	\$27,000		\$3,000		
		Construction	\$200,000	\$180,000		\$20,000		
	LRIP	Local Roads Improvement Program						
		Various Locations						
		Construction	\$2,135,000	\$1,068,000	\$84,000	\$983,000		
		Misc Transportation Studies	\$100,000			\$100,000		
		Various Engineering and Construction						
		Shortfall Resolutions	\$2,500,000	\$2,000,000		\$500,000		
		Pavement Management System						
		Arterial Streets	\$150,000			\$150,000		
		Administration	\$600,850			\$600,850		
			3000,030			4000,000	1	
		SUBTOTAL	\$10,809,700	\$7,350,080	\$84,000	\$3,375,620	-	
		YEARLY TOTAL	\$15,860,200	Q		\$4,730,000		1

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# MILWAUKEE WATER WORKS

- Water Main Replacement Process
- Water Main Asset Review
- Water Main Break Experience Index

Carrie Lewis Superintendent

# MILWAUKEE WATER WORKS WATER MAIN ASSET REVIEW 3/13/03

## BACKGROUND

The "Nessie Curve" is an analysis that was developed by the water industry in Australia over a dozen years ago to present a picture of the financing needs of the capital assets of a utility. The curves wave replicates the features of the Loch Ness Monster – hence the name. The program for developing the curve is copyrighted. Therefore, Milwaukee Water Works engineering division developed a curve based on the same principles of the Nessie process. Generally, it was determined when pipes were installed and how long they are expected to last before it becomes economically efficient to replace them. The curve is an estimate of the total replacement cost value of the water mains in today's dollar assuming zero inflation. Many utilities use the information to optimize financing to meet the wave in a manner that maximizes the utilities value.

## PROCESS

Information was obtained from the Business Section regarding the age and size of all mains that are left in service. For the years prior to 1911, this information was supplemented by the annual reports for those years. A current day dollar amount was attributed for the replacement cost of the various sizes of mains that remain in the system. The Mains Design Division main break database was incorporated into the spreadsheet relating to the specific age and size of mains. Distribution Division supplied additional information regarding the average cost and time required to put a broken main back in service. A social cost was derived related to customer dissatisfaction with discontinuity of service. These costs were combined to form the current day dollar amount for main repair. The estimated life of the main was determined based on the number of breaks remaining to the point where it costs more to keep the asset in service than it cost to replace it.

Figure 1, Replacement Dollars Per Year Installed, represents the existing mains in the system by year installed and the present day cost to replace this asset.

Figure 2, Future Water Main Replacement Dollars, represents the cost in present day dollars necessary to replace a water main due to it reaching its life expectancy.

Figure 3, Future Water Main Replacement Dollars (Best-Fit), is the same as Figure 2 but with a best-fit curve to adjust the peaks and valleys of yearly replacement costs.

Figure 4, Future Water Main Replacement Dollars (Averaged), represents the total cost in present day dollars to replace the existing water mains in the system as of 2001. The graph also indicates the average amount that has recently been budgeted for replacement of water mains.

Figure 5, Initial Life Expectancy Assumptions, represents the life expectancy presented in recent literature for different vintages of pipe.

Figure 6, Adjusted Average Life Expectancy Assumptions, represents the life expectancies of the pipe derived from Milwaukee Water Works system data.

## CONCLUSION

The "Nessie" process allowed us to perform a thorough, up-to-date inventory of our water main assets. The inventory revealed that due to the life expectancy of the pipe in our system, the Milwaukee Water Works would incur a future financial obligation that it is presently not accounting for. To partially offset this increase in infrastructure investment, the utility may have to adopt other asset management techniques to extend the life of the pipes as long as possible.



File No.: C-28-23 Program Status as of 2/3/2010

Index No	Location of Project		Water Main Replacement	Breaks per 100 ft.	Size	Year Installed	Length	Qtr Sec	No. o	f Breaks	Previous Index No.	
2010-0001	N 25TH ST 100' S/O W ROHR AV	W ROHR AV	2010-601	3.571	6	1950	140	194	5	1 2009 1 2008	2009-0001	\$30800
2010-0002	W MEDFORD AV (VAC) (WE 65' NW/O W NORTH AV	166) W NORTH AV		3.158	6	1893	95	325	3	1 2004	2009-0002	\$20900
2010-0003		150' SW/O W FIEBRANTZ AV	2011-613	3.030	6	1955	165	252	5	3 2009 0 0	2009-0003	\$36300
2010-0004		230' S/O E GARFIELD ST		2.500	6	1884	200	354	5	2 2009 1 1975	2009-0008	\$44000
2010-0005	S 36TH ST W NATIONAL AV	200° S/O W NATIONAL AV	2009-113	2.500	6	1903	200	436	5	1 2007 1 2006	2009-0005	\$57200
201 <b>0-000</b> 6	W WILBUR AV S 91ST ST	S 92ND ST	2011-605	2.500	8	1957	320	560	8	4 2009 1 2005	2009-0007	\$70400
2010-0007	S 53RD ST 200' N/O W JERELYN PL	W JERELYN PL	2009-107	2.500	6	1953	200	491	5	1 2009	2009-0004	\$44000
2010-0008		W RESERVOIR AV	2010-603	2.400	6	1876	250	353	6	3 2008 1 2004	2009-0008	Limits Changed 2009 \$55000
2010-0009	W WILBUR AV S 90TH ST	S 91ST ST	2011-605	2.339	8	1957	342	560	8		2009-0009	
2010-0010	E CORA AV S KANSAS AV	S AHMEDI AV	2010-604	2.333	6	1937	300	546	7	1 2008	2009-0010	2003-623 Cancelle (Funding) \$6600
201 <b>0-00</b> 11		E POTTER AV	2010-606	2.278	6	1908	395	500	.9		2009-0011	\$86900
2010-0012		120' E/O N BROADWAY	2009-112	2.169	6	1878	415	397	9	1 2006	2009-0012	Main across North Broad 8" - 1930 main. \$93
2010-0013	W JERELYN PL S 51ST ST	240' W/O \$ 51ST ST	-	2.083	6	1953	240	491	5	2 2008 0 0	2009-0013	
2010-0014	W BALDWIN ST W MEDFORD AV	W FOND DU LAC AV	2010-608	2.069	8	1955	290	226	6		2009-0014	\$63800
	W MARCY LA S 61ST ST	S 63RD ST	2010-617	2.063	6	1959	630	572	13	1 2009 1 2008	2009-0015	\$138600
	W CUSTER AV N 44TH ST	N 45TH ST	2010-613	2.059	8	1951	340	191	7		2009-0017	\$74800
	W LUSCHER AV N 77TH ST	N EVANS ST	2010-629	2.059	6	1956	680	213	14		2009-0016	N EVANS ST IS W/O N ST \$149600
2010-0018		W WISCONSIN AV	2010-645	2.025	6	1895	395	401	8		2009-0018	
2010-0019		350' S/O W RUBY AV(EXT'D)		2.000	8	1949	350	230	7	0 0	2009- <b>00</b> 21	\$77000
2010-0020		W HARRISON AV	2010-636	2.000	6	1952	200	490	4	0 0	2009-0020	\$99000
2010-0021		S BURRELL ST	2010-614	2.000	6	1898	300	499	6	1 2008	2 <b>00</b> 9-0019	12FT DEEP \$660
2010-0022		W GARFIELD AV	2010-615	1.905	6	1950	315	348	6		2009-0022	\$69300
2010-0023		W TRIPOLI AV	2011-601	1.891	6	1957	1005	559	19	5 2009 1 2008	2009-0030	\$221100
2010-0024	W SILVER SPRING DR (N/S) N 27TH ST	700' W/O N 27TH ST		1.857	8	1950	700	170	13		2009-0023	\$154000
2010-0025		W LAWN AV	2010-620	1.833	8	1955	600	189	11		2009-0024	\$132000
2010-0026		E CUDAHY AV	2010-621	1.818	6	1953	330	591	6		2009-0027	\$72600
2010-0027		S 33RD ST	2010-622	1.818	6	1916	330	458	6		2009-0026	\$72600
2010-0028	W CARMEN AV N 62ND ST	N 63RD ST		1.818	8	1956	330	174	6		2009-0025	\$72600
	W HENRY AV S 21ST ST	S 22ND ST	2010-623	1.805	8	1957	665	690	12		2009-0028	\$146300
<b>20</b> 10 <b>-0</b> 030		W HARRISON AV	2010-625	1.800	6	1952	500	490	9		2009-0029	\$110000
2010-0031		W SILVER SPRING DR	2010-631	1.786	6	1952	280	196	5		2009-0032	Relay to 1980 pipe N/C Birch Ct. \$6160
2010-0032	W SAVELAND AV S 5TH ST	S 5TH PL		1.786	8	1950	280	549	5	-	2009-0031	\$61600
	W MONTROSE AV W SUMAC PL	W FILLMORE DR		1.786	8	1949	280	492	5		2009-0033	\$61600

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File No.: C-28-23 Program Status as of 2/3/2010

Index No	Location of Project		Water Main Replacement	Breaks per 100 ft	Size	Year Installed	Length	Qtr Sec	No. o	f Breaks	Previous Index No		
	W MEDFORD AV W VILLARD AV	W CALDWELL CT	2010-130	1.786	8	1954	560	187	10	1 2007 1 2005	2009-0034		\$123200
2010-0035		W ROGERS ST		1.765	6	1926	680	472	12		2009-0035		\$149600
2010-0036	W BRENTWOOD AV	N 82ND ST		1.760	8	1956	625	142	11		2009-0035		\$137500
2010-0037	N 80TH ST S 81ST ST W WILBUR AV	W NEW JERSEY AV	2011-606	1.754	8	1957	285	559	5		2009-0037		\$62700
2010-0038	W FERNWOOD CR W HONEY CREEK DR (E)	W HONEY CREEK DR (W)		1.750	6	1957	800	528	14		2009-0038		\$176000
2010-0039				1.739	8	1949	230	196	4		2009-0039		\$50600
2010-0040	W MEDFORD AV W CALDWELL AV	W CUSTER AV	2010-130	1.739	8	1954	460	187	8		2009-0040	· · · · · ·	\$101200
2010-0041	W MICHIGAN ST N 38TH ST	20' W/O N 39TH ST	2010-646	1.731	6	1909	520	402	9		2009-0041		\$114400
		N 38TH ST		1.724	8	1958	290	123	5		2009-0042		\$63800
2010-0043	W LYNX CT 150 E/O N 95TH ST	N 95TH ST		1.714	6	1958	175	151	3	0 0	2009-0043		\$38500
2010-0044		S 68TH ST	2010-627	1.702	6	1951	470	490	8		2009-0044		\$103400
	W CUSTER AV N 27TH ST	300' W/O N 27TH ST		1.667	8	1952	300	193	5		2009-005 t		\$66000
2010-0046		W WATERFORD AV		1.667	6	1953	900	579	15		2009-0050		\$198000
2010-0047		W CLARKE ST	2010-639	1.667	6	1886	660	322	11		2009-0048		\$145200
2010-0048		N MARIETTA AV		1.667	6	1902	300	278	5		2009-0052		\$66000
2010-0049	N 47TH ST (E/S) W EGGERT PL	W VILLARD AV		1.667	6	1949	360	209	6	1 1998 1 1995	2009-0049		Paved in 2005 - Guarantee 2008? \$79200
	W WILBUR AV S 88TH ST	S 89TH ST	2011-805	1.667	8	1957	300	560	5	1 2009 2 2003	2009-0047		\$66000
2010-0061	W CHAMBERS ST N 24TH PL	N 25TH ST		1.667	6	1908	300	310	5	1 2008 1 2004	2009-0046		\$66000
<b>2010-0</b> 062	W MEDFORD AV W CONSTANCE AV	N 68TH ST	2010-610	1.639	8	1956	610	226	10	1 2009 1 2008	2009-0053		\$134200
2010-0053	S MARILYN ST W BIRCHWOOD AV	W GREEN AV		1.633	8	1957	245	668	4	1 2009 1 2008	2009-0238		\$53900
2010-0054	W BELOIT RD (N/S) E/L OF S 98TH ST	S 100TH ST(W MORGAN AV)		1.630	8	1957	675	525	11	1 2009 2 2008	2009-0054		\$148500
2010-0055	S 1ST ST W MITCHELL ST	W MAPLE ST	2010-009	1.628	6	1885	430	462	7	1 2006 2 2005	2009-0055		RELAY TO KK \$9460
2010-0056	W GRANTOSA DR N 100TH ST	W FIEBRANTZ AV		1.622	8	1955	740	255	12	1 2009 4 2007	2009-0056		\$162800
2010-0057	N 75TH ST W COURTLAND AV	W DERBY PL		1.622	8	1956	370	225	6	1 2008 1 1988	2009-0057		\$81400
2010-0058	W VIENNA AV N 39TH ST	N 40TH ST		1.600	8	1927	250	268	4	1 2006 3 1994	2009-0059		\$55000
<b>2010-0</b> 059	S 76TH ST W HONEY CREEK CR	W OHIO AV		1.600	8	1955	500	528	8	1 2009 2 2007	2009-0058		\$110000
	N 77TH ST	N 78TH ST		1.592	8	1955	314	224	5	1 1995			\$69080
2010-0061	W CONGRESS ST N 40TH ST	N 41ST ST		1.587	8	1937	315	247	5	1 2004 0 0	2009-0061		\$69300
2010-0062	E CHICAGO ST	E MENOMONEE ST		1.579	6	1902	380	396	6	1 2007 1 2003	2009-0 <b>0</b> 63		\$83600
2010-0063	W SCOTT ST S 6TH ST	S 7TH ST		1.579	6		380	432	6	1 1974 0 0	2009-0062		\$83600
2010-0064	W CAPITOL DR N 69TH ST	N 70TH ST		1.563	8	1954	320	264	5	1 2006 0 0	2009-0064		\$70400
2010-0065	W FOUNTAIN AV	W PORT AV		1.563	8	1955	320	084	5	1 2001			\$70400
2010-0066	N 64TH ST W CONGRESS ST	W RUBY AV	2010-609	1.563	6	1955	640	226	10	1 2008 1 2004	2009-0066		\$140800

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File No.: C-28-23 Program Status as of 2/3/2010

Index No	Location of Project		Water Main Replacement	Breaks per 100 ft.	Size	Year Installed	Length	Qtr Sec	No. c	of Breaks	Previous Index No.		
2010-0067	W CAPITOL DR (S/S) N 29TH ST	N 30TH ST		1.563	8	1920	320	269	5	1 2008 1 2002	2009-0068		\$70400
2010-0088	W WILBUR AV S 79TH ST	S 80TH ST	2011-604	1.563	8	1954	320	559	5	1 2006	2009-0065		\$70400
	W CUSTER AV N 81ST ST	N 82ND CT	2010-132	1.553	8	1955	322	187	5	1 2008	2009-0069		\$70840
2010-0070		W MORGAN AV		1.549	6	1948	710	534	11	1 2009	2009-0070		\$156200
2010-0071	S 60TH ST (W/S) W MORGAN AV	W WARNIMONT AV		1.549	8	1952	710	557	11	2 1999 1 1994	2009-0071		\$156200
2010-0072	W ORIOLE DR N 33RD ST	N 34TH ST		1.538	8	1950	325	170	5	1 2007	2009-0077		\$71500
2010-0073	W DOUGLAS AV N HOPKINS ST	N SHERMAN BV		1.538	8	1949	260	157	4	1 2006	2009-0075		\$57200
	N 100TH ST W GRANTOSA DR	W MARION ST		1.538	12	1954	650	254	10	1 2006	2009-0076		\$143000
<b>20</b> 10-00 <b>75</b>		W BURNHAM ST	2010-628	1.538	6	1885	390	460	6	1 2007	2009-0073		\$85800
2010-0076	W WILBUR AV S 89TH ST	S 90TH ST	2011-605	1.538	8	1957	325	560	5		2009-0074		\$71500
	S 72ND ST (E/S) 360 N/O W BOTTSFORD AV			1.538	6	1953	390	604	6		2009-0078		\$85800
2010-0078		9' S/O W CARMEN AV	1	1.538	8	1953	780	173	12		2009-0072		\$171600
2010-0079	N SUMMIT AV	E LAFAYETTE PL		1.517	6	1890	725	356	11		2009-0079		\$159500
2010-0080		W PORT AV		1.515	6	1955	330	084	5	3 2008	2009-0081		\$72600
2010-0081		N 36TH ST	2010-646	1.515	6	1926	330	402	5		2009-0082		\$72600
2010-0082	-	W TRIPOLI AV	2009-153	1.515	8	1953	330	555	5	-	2009-0080		\$72600
2010-0083		S 63RD ST	2010-626	1.513	6	1953	595	490	9		2009-0083		\$130900
2010-0084	W OHIO AV 210' E/O S 51ST ST	S 51ST ST		1.509	6	1953	265	531	4		2009-0085		\$58300
2010-0085		900' N/O W VILLARD AV	1	1.509	6	1953	530	193	8		2009-0084		\$116600
2010-0086		W CARMEN AV		1.504	8	1958	665	176	10		2009-0088		\$146300
2010-0087	W WISCONSIN AV (S/S) N 93RD ST	N 95TH ST		1.500	8	1953	600	409	9		2009-0087	Сн	ANGED LIMITS \$132000
2010-0088		W CONCORDIA AV		1.500	6	1950	600	294	9		2009-0088		\$132000
2010-0089		W HOLT AV		1.493	6	1952	670	534	10		2009-0089	1	993 PAVING @ HOLT \$147400
2010-0090		W MELVINA ST		1.493	6	1951	670	261	10		2009-0090		\$147400
2010-0091		W LINCOLN CREEK PK		1.489	6	1948	470	206	7		2009-0091		break in villard 2004) \$103400
2010-0092		WEGGERT PL		1.489	6	1949	940	209	14		2009-0092	Par	ved in 2005 - Guarantee til
2010-0093	W EUCLID AV S 22ND ST	S 23RD ST		1.481	8	1928	270	534	4		2009-0093		2008? \$206800 \$59400
	W CHAMBERS ST	N 82ND ST		1.471	8	1929	340	303	5		2009-0096		\$74800
	N 77TH ST WBECKETT AV	W RUBY AV		1.471	6	1955	340	224	5		2009-0094		\$74800
2010-0096				1.471	6	1925	680	230	10		2009-0095		\$149600
2010-0097		W WISCONSIN AV	1	1.467	6	1880	750	399	11		2009-0097		\$165000
2010-0098	W APPLETON AV 200' S/E OF W NASH ST	W NASH ST		1.463	8	1952	205	264	3		2009-0098		\$45100
2010-0099		W STATE ST		1.463	6	1873	410	392	6	· ·	2009-0101		\$90200
	TT INEDUURITAT	MGIAIEOI	·	1				1		1 (334			

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Index No	Location of Project		Water Main Replacement	Breaks per 100 ft	Size	Year Installed	Length	Qtr Sec	No. o	f Breaks	Previous Index No.	
2010-0100	N 98TH ST W CAPITOL DR	85' N/O W SARASOTA PL		1.463	8	1956	410	254	6	1 2005 0 0	2009-0100	\$90200
2010-0101		W WALKER ST		1.463	6	1875	205	431	3	2 2004 1 2001	2009-0099	\$45100
<b>2010-01</b> 02		W AUER AV		1.455	8	1957	550	294	8	1 2007	2009-0102	1993 PAV DELETED (3- 258) \$121000
2010-0103	S AHMEDI AV (E/S & W/S) E ELIZABETH AV	E TRIPOLI AV	2010-605	1.452	6	1937	620	546	9	1 2008 1 2007	2009-0103	
2010-0104	W JEWELL AV S 17TH ST	S 19TH ST	2009-186	1.447	6	1959	760	716	11	4 2007 1 2006	2009-0104	limits extended 2007 Ben glatzel request to relay 17th
2010-0105	W CALDWELL AV W MEDFORD AV	415' W/O W MEDFORD AV	2010-131	1.446	6	1954	415	187	6	1 2009 1 2003	2009-0105	
2010-0106	N 63RD ST W CAPITOL DR	W FIEBRANTZ AV		1.429	6	1955	630	250	9	1 2008 1 2002	2009-0111	\$138600
2010-0107	W ATKINSON AV N TEUTONIA AV	N 24TH ST		1.429	8	1926	350	245	5	2 2000 1 1991	2009-0107	\$77000
2010-0108	W HONEY CREEK DR W MORGAN AV	W VERONA CT		1.429	8	1955	350	528	5	1 1999 1 1993	2009-0118	\$77000
2010-0109	W WHITAKER AV \$ 21ST ST	S LOUISIANA AV		1.429	8	1958	350	598	5	1 2007 1 2000	2009-0116	\$77000
2010-0110	S 20TH PL W TRIPOLI AV	W HOWARD AV		1.429	6	1945	350	552	5	1 2008 1 2002	2009-0119	\$77000
2010-0111	W TALLMADGE PL 350' S/O N PRENTISS ST(N 74TH ST)	N PRENTISS ST (N 74TH ST)		1.429	6	1955	350	188	5	1 2001 2 1979	2009-0117	\$77000
2010-0112		S/L OF W GREENFIELD AV		1.429	6	1902	350	435	5	1 2008 0 0	2009-0113	\$77000
<b>2010-011</b> 3	W GALENA ST N 35TH ST	N 37TH ST		1.429	6	1895	490	366	7	2 2008 4 2005	2009-0115	\$107800
2010-0114	W PIERCE ST S 9TH ST	S 10TH ST		1.429	6	1882	350	427	5	2 2000 1 1992	2009-0114	\$77000
2010-0115	E CENTER ST N 1ST ST	N HUBBARD ST		1.429	8	1884	630	313	9	1 2007 1 2005	2009-0110	LIMITS CHANGED IN 2007 \$138600
2010-0116	W CONGRESS ST	N 88TH ST		1.429	12	1956	350	223	5	2 2003 Ø 0	2009-0109	\$77000
2010-0117	W CLAYTON CREST AV S 20TH ST	175' E/O S 20TH ST		1.429	8	1967	210	643	3	1 1995 2 1993	2009-0112	\$46200
2010-0118	N RICHARDS ST	E RING ST		1.429	6	1893	350	282	5	1 2003 0 0	2009-0106	\$77000
2010-0119	N 69TH ST W THURSTON AV	W CARMEN AV		1.429	6	1953	700	175	10	1 2009 2 2006	2009-0108	\$154000
2010-0120	N 29TH ST 355' S/O W VILLARD AV	W VILLARD AV		1.408	6	1939	355	207	5	1 2007 0 0	2009-0120	\$78100
2010-0121	N 96TH ST W KEEFE AV	W NASH ST		1.406	6	1946	640	261	9	2 2009 1 2003	2009 <b>-0</b> 121	\$140800
2010-0122	W LEON TR N 53RD ST	W ELY PL		1.406	6	1949	640	249	9	2 2009 1 2003	2009 <b>-0</b> 122	\$140800
2010-0123	W MELVINA ST N 96TH ST	N 98TH ST		1.404	8	1955	570	261	8	1 2009 1 2008	2009-0123	\$125400
2010-0124	N 58TH ST WRUBYAV	W LINCOLN CREEK DR		1.400	6	1955	500	227	7	1 2006 1 2002	2009-0125	\$110000
2010-0126	W THURSTON AV N 71ST ST	N 72ND ST		1.400	8	1954	500	175	7	1 1999 1 1997	2009-0124	\$110000
2010- <b>012</b> 6	N 40TH ST(WE 414) W STATE ST	W LINDEN PL		1.400	6	1950	500	387	7	1 1997 1 1984		1 BREAK N/O W LINDEN PL \$110000
2010-0127	S 9TH ST W NATIONAL AV	W WALKER ST		1.389	6	1894	360	432	5	1 2006 1 1982	2009-0127	\$79200
2010-0128	N 22ND ST W STARK ST	W FAIRMOUNT AV		1.385	6	1948	650	206	9	3 2008 1 1996	2009-0129	\$143000
	N WEIL ST E WRIGHT ST	E CLARKE ST		1.385	6	1892	650	321	9	1 2007 1 1997	2009-0130	\$143000
2010-0130	N 24TH ST W CLARKE ST	W CENTER ST		1.385	6	1893	650	325	9	2 2008 2 1988	2009-0128	
2010-0131	N 36TH ST WHAMPTON AV	W STARK ST		1.379	6	1920	290	208	4	1 2009 1 1994	2009-0131	\$63800

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Index No	Location of Project		Water Main Replacement	Breaks per 100 ft.	Size	Year Installed	Length	Qtr Sec	No.	of Breaks	Previous Index No.		
			Replacement							4 000			Include two hereits FIG Mode
	W JUNEAU AV (S/S) N 25TH ST	N 27TH ST		1.375	6	1887	800	389	11	3 200			Include two breaks E/O North 25lh St. \$176000
2010-0133	W CUSTER AV W MURIEL PL	W MEDFORD AV	2010-132	1.375	8	1954	800	187	11	1 2004 1 2008	2009-0133		\$176000
2010-0134	W MARION ST	W CONGRESS ST		1.374	6	1955	655	249	9	1 200 1 200	2009-0134		\$144100
	W CAPITOL DR (S/S) W APPLETON AV	N 76TH ST		1.366	8	1954	805	264	11	1 2008 2 2008	2009-0135		Footage does not include new pipe across Capitol Drive at
2010-0136	N 92ND ST WAUER AV	W CONCORDIA AV		1.364	8	1954	660	293	9	1 2000 1 2001	3 2009-0136		\$145200
2010-0137	S 73RD ST W VAN BECK AV	W WATERFORD AV		1.356	6	1954	885	571	12	1 2009 1 2007	2009-0138		\$194700
2010-0138	S 63RD ST W MORGAN AV	W EDEN PL	2010-402	1.356	8	1955	295	557	4	0 (	2009-0137		\$64900
2010-0139	W CAMERON AV N 103RD ST	N 105TH ST		1.353	8	1957	665	216	9		2009-0139		\$146300
2010-0140	S 26TH ST W PIERCE ST	W NATIONAL AV		1.353	6	1890	665	434	9		2009-0140		\$146300
2010-0141	E WASHINGTON ST S 1ST ST	S BARCLAY ST		1.351	8	1875	370	431	5		2009-0141		\$81400
2010-0142	W HIGHLAND AV N 14TH ST	N 15TH ST		1.351	6	1887	370	390	5		2009-0143		\$81400
2010-0143	E LOCUST ST N PALMER ST	N 1ST ST		1.351	6	189 <del>9</del>	370	313	5		2009-0142		\$81400
	W ATKINSON AV N 12TH ST	N 13TH ST		1.351	8	1923	370	272	5		2009-0144		\$81400
2010-0145	W CLYBOURN ST N 14TH ST	N 15TH ST		1.344	8	1883	372	399	5		2009-0145		\$81840
2010-0146		W HOWARD AV	2010-408	1.343	6	1954	670	556	9		2009-0146		\$147400
2010-0147		W WRIGHT ST		1.343	6	1901	670	327	9		2009-0147		\$147400
2010-0148		W WISCONSIN AV		1.341	6	1880	820	399	11		2009-0148		\$180400
2010-0149	W GREEN AV WIONA TR	W RAMSEY AV		1.339	12	1970	224	668	3		2009-0149		\$49280
2010-0150	S 1ST ST W TRIPOLI AV	W HOWARD AV		1.333	6	1947	300	549	4		2009-0171		\$66000
2010-0161	and the second	375' S/O W VALLEY FORGE		1.333	6	1924	375	385	5		2009-0163		\$82500
		DR							,	• •	·	ł.	
	W LINCOLN CREEK DR	N 60TH ST		1.333	8	1962	375	227	5	1 2008	2009-0161		\$82500
2010-0153	W HOPKINS ST (S/S) W MELVINA ST (VACATED)	W MELVINA PL		1.333	16	1936	300	269	4	1 2006 1 2002	2009-0169		\$66000
2010-0154	E CLYBOURN ST N MILWAUKEE ST	N JEFFERSON ST		1.333	6	1872	300	396	4	1 1997 0 0	2009-0155		\$66000
2010-0155	W LAKEFIELD DR S 34TH ST	S 35TH ST		1.333	8	1931	300	533	4	1 1990	2009-0156		Assume breaks are on the southside of the street.
2010-0156	W CONCORDIA AV N 98TH ST	N 99TH ST		1.333	8	1953	300	294	4	1 1979	2009-0167		\$66000
2010-0157	S 85TH ST W TRIPOLI AV	W HOWARD AV		1.333	8	1958	300	560	4		2009-0162		\$66000
2010-0158		W VLIET ST		1.333	6	1884	450	364	6		2009-0165		\$99000
2010-0159	W WANDA AV S 34TH ST	S LORENE AV		1.333	8	1958	300	668	4		2009-0170		\$66000
2010-0160		W MT VERNON AV	2010-003	1.333	8	1949	300	408	4		2009-0150		\$66000
2010-0161	W BOBOLINK AV N 60TH ST	N 61ST ST		1.333	6	1957	300	174	4		2009-0164		\$66000
2010-0162		W EUCLID AV		1.333	6	1954	300	529	4		2009-0157		\$66000
<b>2010-01</b> 63	W ORCHARD ST S 14TH ST	S 15TH ST		1.333	6	1893	375	460	5		2009-0151		\$82500



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Index No	Location of Project		Water Main Replacement	Breaks per 100 ft	Size	Year Installed	Length	Qtr Sec	No. o	f Breaks	Previous Index No.		
			Replacement				200			1 1009	342		\$66000
	E NORTH AV N BOOTH ST	N HOLTON ST		1.333	6	1884	300	321	4	1 1961	2009-0168		•
and the second se	W POTOMAC AV N 73RD ST	W ABERT CT		1.333	8	1952	300	264	4	0 0	2009-0159		\$66000
	W BENNETT AV S 57TH ST	S 60TH ST		1.333	8	1952	300	513	4	1 1991 0 0	2009-0160		\$66000
<b>2010-016</b> 7	N 98TH ST W DEBBIE LN	W MARCELLE AV		1.333	6	1 <del>9</del> 62	300	116	4	1 2008 0 0	2009-0152		\$66000
2010-0168	W WALNUT ST (N/S) N 20TH ST	N 21ST ST		1.333	6	1889	300	364	4	1 1994 1 1991	2009-0166		\$66000
2010-0169	N 80TH ST W BENDER AV	W WINFIELD AV		1.333	6	1957	300	153	4	1 2003 0 0	2009-0154		\$66000
	W FOND DU LAC AV (S/S) N 68TH ST	W STARK ST		1.333	8	1959	900	212	12	1 2007	2009-0158		\$198000
-	W CAPITOL DR N 76TH ST	N 78TH ST	2010-011	1.333	8	1953	600	263	8		2009-0153		\$132000
	W GRANTOSA DR (N/S) N 77TH ST	W GERTRUDE DR	2010-630	1.325	6	1954	830	213	11		2009-0172		ASR 1991, 1994 PAVING @ GERTRUDE \$182600
	N 17TH ST W WISCONSIN AV	W WELLS ST		1.321	6	1876	530	390	7		2009-0173		\$116600
2010-0174		415' S/O W BOTTSFORD AV	-	1.319	6	1960	455	600	6	1 2007	2009-0174		\$100100
2010-0175		200° N/O W FAIRMOUNT AV		1.316	8	1951	380	210	5		2009-0175		\$83600
	(S)	(N)			3					0 0	P	1	
	W MINERAL ST S 25TH ST	S 26TH ST		1.316	6	1893	380	434	5	0 0	2009-0176		\$83600
2010-0177	N 47TH ST W GARFIELD AV	W LISBON AV		1.316	6	1906	380	347	5	0 0	2009-0177		\$83600
2010 <b>-01</b> 78	N 9TH ST (E/S) W VLIET ST	W SOMERS ST		1.304	6	1884	460	362	6	2 2006 1 2005	2009-0178		\$101200
2010-0179	N 14TH ST (WE 324) W WISCONSIN AV	S/L OF W WELLS ST		1.304	6	1875	460	390	6	1 2006	2009-0179		\$101200
2010-0180	S 91ST ST WHOLT AV	125' S OF W VERONA CT		1.301	6	1958	538	526	7	1 2007	2009-0180		\$118360
2010-0181	S 19TH ST 60 N/O W JEWELL AV	W WOOD AV	2009-191	1.299	8	1955	385	716	5	1 2008	2009-0181		\$84700
<b>2010</b> -0182		W MALLORY AV	2010-008	1.299	8	1966	1309	645	17	1 2009	2009-0182		D.I. PIPE \$287980
2010-0183	S KINGAN AV 177 NO E WATERFORD AV			1.296	6	1951	540	585	7		2009-0184		LIMITS CHANGED 2003 \$118800
	W HAMPTON AV (SS) N 110TH ST	540' W/O N 110TH ST		1.296	6	1955	540	220	7		2009-0185		\$118800
	W LAWN AV N 24TH ST	100' E/O N 25TH ST	2010-602	1.296	6	1954	540	194	7		2009-0186		\$118800
	W PARK HILL AV N 93RD ST	W MT VERNON AV		1.296	8	1952	540	409	7		2009-0183		\$118800
2010-0187	W LEROY AV S 61ST ST	S 64TH ST	2010-618	1.290	6	1959	930	572	12	1 2009	2009-0190		\$204600
2010-0188				1.290	6	1957	155	467	2	1 2007	2009-0191		\$34100
2010-0189	N 72ND ST W HAMPTON AV	370' N/O W. BECHER ST.		1.290	6	1956	620	212	8	1 2001 1 2009 1 2007	2009-0189		\$136400
-	W LUEBBE LA N 55TH ST	i		1.290	8	1955	620	084	8		2009-0188		\$136400
2010-0191		N 57TH ST		1.290	6	1951	620	530	8	1 2007	2009-0187		\$136400
2010-0192	N 58TH ST W FOREST HOME AV		2010-423	1.286	6	1953	311	556	4	1 2005	2009-0192		\$68420
	W LISBON AV (N/S) N 92ND ST	280° S/O W FOREST HOME		1.280	8	1955	625	261	8	1 2004	2009-0193		\$137500
	N 92ND ST S 25TH CT W HENRY AV	N WILLIS PL		1.277	6	1959	235	690	3	1 2000	2009-0194		\$51700
	WHENRY AV WHADLEY ST N 88TH ST	210' S/O W HENRY AV		1.270	8	1950	315	302	4		2009-0196		\$69300
	N 88TH ST	N 89TH ST		1.270	<b>,</b>	1000	015	002		0 0			

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SHID-1915         W CHENALT         STRIN ST         1.270         8         1985         315         528         4         1.200         8         1985         315         528         4         1.200         8         1985         315         528         4         1.200         8         1985         315         528         4         4         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000         2000	Index No	Location of Project		Water Main Replacement	Breaks per 100 ft.	Size	Year Installed	Length	Qtr Sec	No. o	f Breaks	Previous Index No.		
Derige Mark         Starting M	2010-0196	W OHIO AV S 75TH ST	S 78TH ST		1.270	8		315		4	1 2000	2009-0199		\$69300
D2010-0289         W PKEANGRA AV         S WITH ST         1.270         8         1920         316         535         4.4         900         2000-0198         198000           D2010-0219         W DXENTST         1.270         8         1952         315         254         4         900         2000-0198         158000         158000           D2010-0209         S MGRATAV         E RAMPIELDAV         1.268         6         1952         315         254         4         900         2000-0198         158000           D2010-0201         S MGRATAV         E RAMPIELDAV         1.260         6         1952         317         21         300         2000-0201         5308000         158000         1571         1576800         158600         200         2000-0201         53080005         158000         1576800         1576800         1576800         1576800         1576800         1576800         1576800         1576800         1576800         1576800         1576800         1576800         1576800         1576800         1576800         1576800         1576800         1576800         1576800         1576800         1576800         1576800         1576800         1576800         1576800         1576800         1576800					1.270	6	1957	630	170	8	3 2004	2009-0197		
2010-019         M_QMM_SEND ST         N 07TH ST         1.270         8         1952         315         244         4         2007         2008-0155         585000           2010-0200         S_GC_GC_GC_GC_GC         Setting SC_GC_GC_GC         58600         58600         58600         58600         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000         586000	2010-0198				1.270	8	1926	315	535	4		2009-0198		
D2106-0200 \$ MCCARETVAV         EPLANERELDAV         1.266         6         1964         395         585         2007         2009-0200         \$\$89800           D2106-0201 \$ MCCARETVAV         WLENCALSTER AV         1.260         8         1965         \$\$00         2214         \$\$         2007         2009-0200         \$\$89800           D2106-0201 \$ MCLARETVAV         WLENCALSTER AV         1.260         8         1965         720         214         \$\$         2009-0205         \$\$         \$\$         2009-0205         \$\$         \$\$         2009-0205         \$\$         \$\$         2009-0205         \$\$         \$\$         2009-0205         \$\$         \$\$         \$\$         2009-0205         \$\$         \$\$         2009-0205         \$\$         \$\$         2009-0205         \$\$         \$\$         \$\$         2009-0205         \$\$         \$\$         2009-0205         \$\$         \$\$         \$\$         2009-0205         \$\$         \$\$         \$\$         \$\$         \$\$         \$\$         \$\$         \$\$         \$\$         \$\$         \$\$         \$\$         \$\$         \$\$         \$\$         \$\$         \$\$         \$\$         \$\$         \$\$         \$\$         \$\$         \$\$         \$\$         \$\$         \$\$<					1.270	8	1952	315	294	4	1 2007	2009-0195		\$69300
2010-0221         3 2014 ST,         W VERONA CT         1.260         8         1956         507         12         1.000         2006-0210         \$300000           2010-0202         N 300 ST         N 100 ST         1.260         8         1950         2.006-0210         \$3006-0210         \$3506-0210         \$376400           2010-0202         W MARKEST         N 0200 ST         1.260         8         1950         320         2.006-0210         \$376400           2010-0205         W MARKEST         N 0200 ST         1.260         1.260         8         1920         2.011         4         3         2.006-0210         \$376400           2010-0205         W MARKEN         W ELVINA ST         N 0200 ST         1.260         1.921         9.02         2.11         4         3         2.006-0207         \$376400           2010-0207         W MARKEN         W ELVINA ST         1.260         6         1921         2.00         2.006-0207         \$376400           2010-0207         W MARKEN         W ELVINA ST         1.250         6         1922         400         2.00         2.00         2.000-0207         \$376400           2010-0218         W MARKEN         W ELVINA ST         1.250					1.266	6	1954	395	585	5		2009-0200		\$86900
2010-2020         N SETUR FURMADURT AV         WILARCASTER AV         1.250         6         1959         720         214         9         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         <	2010-0201				1.263	8	1956	950	527	12	1 2009	2009-0201		\$209000
2016-2020         W HADLEY ST 2016-2024         N SZN ST N BARBER ST 2016-2024         N BARBER ST 2016-2024         N BARBER ST 2016-2024         N BARBER ST 2016-2026         N SZN ST 2016-2026         N SZN ST 2016-2026         N SZN ST 2016-2027         N BARBER ST 2016-2027         N BARBER ST 2016-2027         N BARBER ST 2016-2027         N BARBER ST 2016-2028         N BARBER ST 2016-2028         N SZN ST 2016-2021         N	<b>2010-020</b> 2				1.250	8	1959	720	214	9	1 2007	2009-0211		\$158400
2010-0204 N         2/37LATUT ST         W BARBEE ST         1.250         6         1891         400         350         5         1.200         2006-0205         \$388000           2010-0205 W         MULARSIAV         M BSRD ST         1.250         12         1951         320         211         4         3000         2006-0202         \$770400           2010-0205 W         MULARSIAV         M MELVINA ST         1.250         6         1921         400         270         5         1.882         2008-0212         \$880000           2010-0205 W         MULARSIAV         N NEWHALLST         1.250         6         1919         320         202         4         2000-0222         \$70400           2010-0205 W         MOREMALEAV         1.250         8         1952         400         246         5         1.000         2008-0220         \$88000           2010-0210 S         STRESMULACAV (S/S)         W MAXWELLPL         1.250         6         1899         320         462         4         1.992         2008-0218         \$70400           2010-0211 S         STRESMULACAV         W ORCHARD ST         1.250         6         18920         400         320         52         592         2008-	2010-0203				1.250	8	1950	320	302	4				\$70400
2010-0208         M KILARD AV ANDEXNA ST         1.260         12         1951         320         211         4         3         2007         2009-0222         \$77400           2010-0208         M 2870-57         MEMMA ST         1.250         6         1921         400         270         5         11652         2009-0212         \$78400           2010-0208         M 2870-57         MEMMALLST         1.250         6         1919         320         20         4         2002         2009-0221         \$140800           2010-0208         M STHATAN         W GLENDALE AV         1.250         6         1952         400         226         8         1         2002         2009-0220         \$140800           2010-0208         W CREMARD ST         1.250         6         1899         320         462         4         1855         2007         2009-0201         \$38800           2010-0218         W MOREARD ST         1.250         6         1892         400         328         5         1.2007         2009-0208         \$388000           2010-0218         W MOREARD ST         1.250         6         1873         400         391         5         1982         2009-0208         <	2010-0204				1.250	6	1891	400	350	5	1 2009	2009-0205		\$88000
2010-0208 N 238D 37 welving st         1.250         6         1921         400         270         5         1.885         2009-0212         \$\$80000           2010-0207 E THOMASTION W OLENDALE AV         1.250         6         1919         320         320         4         2002         2009-0221         \$770400           2010-0208 N STURE         W OLENDALE AV         1.250         6         1919         320         320         4         2002         2009-0221         \$770400           2010-0209 W CORDEDULICANC AV         W OLENDALE AV         1.250         6         1955         640         225         8         1         1009-0210         \$770400           2010-0210 S THARET MELDAV         W ORCHARD ST         1.250         6         1922         400         248         5         1         2007         2009-0228         \$780400           2010-0211 W LISENTELDAV         W ORCHARD ST         1.250         6         1922         400         288         5         1         2007         2009-0208         \$140800           2010-0211 W LISENTELDAV         W ORCHARD ST         1.250         6         1873         400         391         5         1         2007         2009-0208         \$140800	2010-0205				1.250	12	1951	320	211	4	3 2007			\$70400
2010-0207         E         TICMARSOL 2010-0208         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N         N					1.250	6	1921	400	270	5	1 1985	2009-0212		\$88000
2010-0210         N         75TL ST.V         W OLENDALE AV         1.250         8         1955         640         225         8         1         2000         2000-0220         \$140800           2010-0210         S         STHEEDANTZAV         W ORCHARD ST         1.250         6         1899         320         462         4         1         1955         2000-0210         \$5         570400           2010-0210         S         STHEEDANTZAV         W ORCHARD ST         1.250         6         1922         400         326         5         1         3000         2000-0210         \$570400           2010-0211         N SERDENTELDAV         W ORCHARD ST         1.250         6         1922         400         326         5         1         3000         2000-0208         \$5146800         \$5146800           2010-0212         N SERDENTZAV         W HOPE AV         2011-615         1.250         6         1873         400         391         5         1         3000         2000-0208         \$5146800         \$5146800         \$5146800         \$5140800         \$512000         \$5140800         \$512000         \$5140800         \$512000         \$5120000         \$5120000         \$5121000         \$5120000 <td>2010-0207</td> <td></td> <td></td> <td></td> <td>1.250</td> <td>6</td> <td>1919</td> <td>320</td> <td>320</td> <td>4</td> <td>2 2003</td> <td></td> <td></td> <td>\$70400</td>	2010-0207				1.250	6	1919	320	320	4	2 2003			\$70400
2010-0219         W FOND DULAC AV (S/S) WMAXWELL PL         1.250         8         1952         400         249         5         2000         2000-0220         \$88000           2010-0219         \$ \$THSE MEREWALL AV WORCHARD ST         1.250         6         1899         320         462         4         1992 1992 2000-0209         2000-0218         \$77400           2010-0211         W JEBERANTZ AV WORCHARD ST         1.250         6         1922         400         328         5         2000 2000-0209         \$88000           2010-0213         N SEEMANTZ AV WHOPE AV         2011-615         1.250         6         1922         400         391         5         1992 2000-0208         \$140800           2010-0213         N SEEMANTZ AV WHOPE AV         WHOPE AV         2010-624         1.250         6         1977         800         690         10         1         2000 2000         2000 2000-0208         \$140800           2010-0215         S 2105 ST         2010-624         1.250         8         1956         640         253         8         2000 2000-0203         \$74400           2010-0217         N SEMENTST         1.250         8         1956         640         253         8         2000 2000-0203	<b>2010-0</b> 208	N 75TH ST W RUBY AV	W GLENDALE AV		1.250	8	1955	640	225	8	1 2009	2009-0222		\$140800
2010-0210         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S         S	2010-0209	W FOND DU LAC AV (S/S) W FIEBRANTZ AV			1.250	8	1952	400	249	5		2009-0220		\$88000
2010-0211         W INSERN AV INSERN TZ AV         N 49TH ST         1.250         6         1922         400         328         5         2007/2008-0209         588000           2010-0212         N BISE ST WEIEBRATTZ AV         W HOPE AV         2011-615         1.250         8         1955         640         252         8         1         2007/2008-0208         \$140800           2010-0213         N DITISET TZ AV         W HOPE AV         1.250         6         1873         400         391         5         1.9991/2008-0217         \$88000           2010-0214         W ALVINA AV WALVINA AV S22RD ST         \$23RD ST         2010-624         1.250         8         1957         800         690         10         1         2009/2019         \$121000           2010-0216         C ROADSWEET ST         1.250         8         1927         320         315         4         1         20001/2009-0208         \$70400           2010-0217         N STOREAV         W MARION ST         2010-001         1.250         8         1956         640         253         8         2009/0203         \$70400           2010-0219         S TH PT         1.250         8         1956         640         253         8	<b>2010-0</b> 210	S 5TH ST W GREENFIELD AV			1.250	6	1899	320	462	4	1 1995	2009-0218		\$70400
2010-0212         N         ST         WHOPE AV         2011-615         1.250         8         1955         640         252         8         1         2000         2000-0208         \$140800           2010-0213         N         100T NG WESHANZ AV         1.250         6         1873         400         391         5         2         1990         2000-0217         \$88000           2010-0214         WALVINA AV GOUE OS SIGND ST         \$23RD ST         2010-624         1.250         8         1957         800         690         10         1         2000         2000-0208         \$70400           2010-0216         E         RCADSMEET ST         N DOUSMAN ST         1.250         6         1937         320         315         4         1         2000         2000-0203         \$70400           2010-0216         E         RCADSMEET ST         N DOUSMAN ST         1.250         6         1937         320         315         4         1         2000         2000-0203         \$70400           2010-0217         N SIST ST         2010-001         1.250         8         1956         640         253         8         2000         2000-0214         \$88000           2010-021	2010-0211		N 49TH ST		1.250	6	1922	400	328	5	1 2007	2009-0209		\$88000
2010-0213         N         10TH ST(FS)         N         1250         6         1873         400         391         5         2         1991         2009-0217         \$88000           2010-0214         WALVINA AV BOY EOK STARD ST         S 23RD ST         S 2010-624         1.250         8         1957         800         690         10         2009         2009-0218         \$121000           2010-0215         W DRID AV S24TH ST         S 25TH ST         1.250         8         1928         320         534         4         2         2009         2009-0208         \$70400           2010-0216         R CONSCHET ST         N DOUSMAN ST         1.250         6         1937         320         315         4         2009         2009-0203         \$70400           2010-0217         N STST         2010-001         1.250         8         1956         640         253         8         2         2009         2009-0214         \$140800           2010-0218         W HOPE AV WHOPE AV         N SEND ST         1.250         6         1961         400         670         5         2         2009         2009-0213         \$88000           2010-0220         N HOLTON ST         WICENCA AV			W HOPE AV	2011-615	1.250	8	1955	640	252	8	1 2007	2009-0208		\$140800
2010-0214         WALVINA AV BOY EXS 528RD ST         \$ 23RD ST         2010-024         1.250         8         1957         800         690         10         1         2009         2009-0219         \$ \$121000           2010-0215         W OHLO AV S24TH ST         \$ \$25TH ST         1.250         8         1928         320         534         4         2         2009-0208         \$ \$70400           2010-0216         E ROADSMEET ST N DOUSMAN ST         1.250         6         1937         320         315         4         1         2009         2009-0203         \$ \$70400           2010-0217         N BTST N DOUSMAN ST         2010-001         1.250         8         1956         640         253         8         2         2009         2009-0214         \$ \$140800           2010-0218         W HOPE AV NBTST SY         N 82ND ST         1.250         8         1956         400         252         5         1         2009         2009-0214         \$ \$88000           2010-0219         S TST N         N 82ND ST         1.250         6         1961         400         670         5         1         2009         2009-0216         \$ \$105600           2010-0221 N         N BOTH ST         YO N OF E					1.250	6	1873	400	391	5	2 1991	2009-0217		\$88000
2010-0215         W OHIO AV S 24TH ST         S 25TH ST         1.250         8         1928         320         534         4         2         2003 2009-0206         \$70400           2010-0216         E         ROGROMEET ST N CONDAMAN ST         1.250         6         1937         320         315         4         1         2004         2009-0203         \$70400           2010-0217         N SIST ST N GORDOM         W MARION ST         2010-001         1.250         8         1956         640         253         8         2009-0221         \$140800           2010-0218         W HOPE AV MARDE AV         M RAION ST         1.250         8         1956         400         252         5         1         2009         2009-0214         \$88000           2010-0219         S         15TH PL WWARDA AV         W KLEIN AV         1.250         6         1961         400         670         5         1         2000         2009-0215         \$88000           2010-0221         N GORDONTA WWARDA AV         W KLEIN AV         1.250         6         1961         400         670         5         1         2000         2009-0216         \$77400           2010-0222         N HOLTONTA WGENE AV         W LINCOL	2010-0214			2010-624	1.250	8	1957	800	690	10	1 2009			\$121000
2010-0216         E         ROADSMEET ST NOOUSMAN ST         N DOUSMAN ST         1.250         6         1937         320         315         4         1         2004         2009-0203         \$70400           2010-0217         N STS T NOOUSMAN ST         2010-001         1.250         8         1956         6400         253         8         2         2009         2009-0203         \$140800           2010-0218         W HOPE AV         W MARION ST         1.250         8         1956         400         252         5         1         2009         2009-0214         \$88000           2010-0219         S         15TH PL WANDA AV         N B2ND ST         1.250         6         1961         400         670         5         1         2009         2009-0213         \$88000           2010-0220         N HOLTON ST ECONCORDIA AV         470' N OF E CONCORDIA AV         1.250         6         1905         480         281         6         0         2009-0216         \$105600         \$105600           2010-0221         N BONTHST W GERDALE AV         W LINCOLN CREEK DR         1.250         6         1957         400         603         5         1         2008         2009-0224         \$880000					1.250	8	1928	320	534	4	2 2003	2009-0206		\$70400
2010-0217         N 91ST ST WHOPE AV WINCPE AV 2010-0218         W MARION ST WHOPE AV HOPE AV HOPE AV HOPE AV WINCPE AV HOPE AV WINCPE AV HOPE AV WINCPE AV WINCPE AV HOPE AV WINCPE AV W	2010-0216	E ROADSMEET ST			1.250	6	1937	320	315	4	1 2004	2009-0203		\$70400
2010-0219         S         15TH PL WWANDA AV         W KLEIN AV         1.250         6         1961         400         670         5         1         2000         2009-0213         \$88000           2010-0220         N         HOLTON ST ECONCORDIA AV         470' N OF E CONCORDIA AV         1.250         6         1905         480         281         6         0         2009-0215         \$105600           2010-0221         N BOTH ST W GLENDALE AV         W LINCOLN CREEK DR         1.250         8         1956         320         226         4         0         0         2009-0216         \$70400           2010-0222         S 62ND ST 110' N/O' W VAN NORMAN AV         W ARMOUR AV         1.250         6         1957         400         603         5         1         2008         2009-0216         \$70400           2010-0223         W NORWICH AV 400' EO' S80TH ST         \$80TH ST         1.235         8         1959         405         570         5         1         2008         2009-0223         405' consists of 4", 6" & 8         1.235         6         1954         810         188         10         1         2008         2009-0224         \$178200           2010-0224         W KATHRYN AV NSTRATHMORE AV         N 7	2010-0217	N 91ST ST WHOPE AV	W MARION ST	2010-001	1.250	8	1956	640	253	8	2 2009	2009-0221		\$140800
2010-0219         S         STH PL WWANDA AV         W KLEIN AV         1.250         6         1961         400         670         5         1         2000         2010-0213         \$88000           2010-0220         N HOLTON ST ECONCORDIA AV         470' N OF E CONCORDIA AV         1.250         6         1905         480         281         6         0         0         2009-0215         \$105600           2010-0221         N BOTH ST W GLEINDALE AV         W LINCOLN CREEK DR         1.250         8         1956         320         226         4         0         0         2009-0216         \$70400           2010-0222         S 62ND ST 110 NOW WAN NORMAN AV         W LINCOLN CREEK DR         1.250         6         1957         400         603         5         1         2008         2009-0216         \$70400           2010-0223         W NORWUCH AV 400° EO'S 80TH ST         S 80TH ST         1.235         8         1959         405         570         5         1         2008         2009-0224         \$88000           2010-0224         W KATHRYN AV 400° EO'S 80TH ST         S 80TH ST         1.235         6         1954         810         188         10         1         2008         2009-0224         \$178200	2010-0218	W HOPE AV N 81ST ST	N 62ND ST		1.250	8	1956	400	252	5	1 2009	2009-0214		\$88000
2010-0220         N         HOLTON ST ECONCORDIA AV         470' N OF E CONCORDIA AV         1.250         6         1905         480         281         6         0         0         2009-0215         \$105600           2010-0221         N         60TH ST WGLENDALE AV         W LINCOLN CREEK DR         1.250         8         1956         320         226         4         0         0         2009-0216         \$70400           2010-0222         S 62ND ST 10'N OW WANNORMAN AV WARMOUR AV         1.250         6         1957         400         603         5         1         2008         2009-0216         \$88000           2010-0223         W NORWICH AV 400° E/OS 80TH ST 100° E/OS 80TH ST         \$80TH ST         \$1.235         8         1959         405         570         5         1         2008         2009-0223         405' consists of 4", 6", & 8           2010-0224         W KATHRYN AV N STRATHMORE AV         N 72ND ST         1.235         6         1954         810         18         10         1         2008         2009-0224         \$178200           2010-0225         N         S0TH ST (E/S) W SOBULINK AV         N 72ND ST         1.231         8         1957         650         173         8         1         2006 <td>2010-0219</td> <td>S 15TH PL W WANDA AV</td> <td>W KLEIN AV</td> <td></td> <td>1.250</td> <td>6</td> <td>1961</td> <td>400</td> <td>670</td> <td>5</td> <td>1 2000</td> <td>2009-0213</td> <td></td> <td>\$88000</td>	2010-0219	S 15TH PL W WANDA AV	W KLEIN AV		1.250	6	1961	400	670	5	1 2000	2009-0213		\$88000
2010-0222       \$ 62ND ST 110' N/O W VAN NORMAN AV WARMOUR AV       1.250       6       1957       400       603       5       1       2008 2009-0204       2009-0204       \$88000         2010-0223       W NORWICH AV 400' CO \$801H ST       \$801H ST       1.235       8       1959       405       570       5       1       2008 2009-0223       2009-0223       405' consists of 4", 6", & 8         2010-0224       W KATHRYN AV NSTRATHMORE AV       N 72ND ST       1.235       6       1954       810       188       10       1       2008 2009-0224       2009-0224       \$178200         2010-0225       N 60TH ST (E/S) W BOBOLINK AV       W FLORIST AV       1.231       8       1957       650       173       8       1       2001 2009-0225       \$143000         2010-0226       N 73RD ST W CAPHTOL DR       W FLEBRANTZ AV       1.231       6       1956       650       251       8       2       2006 2009-0226       \$143000         2010-0227       N 98TH ST W CONCORDIA AV       W TOWNSEND ST       1.231       6       1952       650       294       8       1       2006 2009-0228       \$143000	2010-0220	N HOLTON ST E CONCORDIA AV	470' N OF E CONCORDIA AV		1.250	6	1905	480	281	6	0 0	2009-0215		\$105600
2010-0222       \$ 62ND ST 110' N/O WVAN NORMAN AV WARMOUR AV       1.250       6       1957       400       603       5       1       2008 2009-0204       2009-0204       \$88000         2010-0223       W NORWICH AV 400' CO \$801H ST       \$801H ST       1.235       8       1959       405       570       5       1       2008 2009-0223       2009-0223       405' consists of 4"; 6", & 8         2010-0224       W KATHRYN AV NSTRATHMORE AV       N 72ND ST       1.235       6       1954       810       188       10       1       2008 2009-0224       2009-0224       \$178200         2010-0225       N 60TH ST (E/S) W BOBOLINK AV       W FLORIST AV       1.231       8       1957       650       173       8       1       2001 2009-0225       \$143000         2010-0226       N 73RD ST W CAPHTOL DR       W FIEBRANTZ AV       1.231       6       1956       650       251       8       2       2006 2009-0226       \$143000         2010-0227       N 98TH ST W CONCORDIA AV       W TOWNSEND ST       1.231       6       1952       650       294       8       1       2006 2009-0228       \$143000	2010-0221				1.250	8	1956	320	226	4		2009-0216		\$70400
2010-0223         W NORWICH AV 400° EO \$ 80TH ST         S 80TH ST         S 80TH ST         1.235         8         1959         405         570         5         1         2008 O         2009-0223         405' consists of 4", 6", & 8 pipe, \$89100           2010-0224         W KATHRYN AV NSTRATHMORE AV         N 72ND ST         1.235         6         1954         810         188         10         1         2008 O         2009-0224         \$178200           2010-0225         N 60TH ST (E/S) W BOBOLINK AV         W FLORIST AV         1.231         8         1957         650         173         8         1         2001 1 999         2009-0225         \$143000           2010-0226         N 73RD ST W CAPHTOL DR         W FLEBRANTZ AV         1.231         6         1956         650         251         8         2         2006         2009-0226         \$143000           2010-0227         N 98TH ST W CONCORDIA AV         W TOWNSEND ST         1.231         6         1952         650         251         8         2         2006         2009-0226         \$143000           2010-0227         N 98TH ST W CONCORDIA AV         W TOWNSEND ST         1.231         6         1952         650         294         8         1         2006	2010-0222				1.250	6	1957	400	603	5	1 2008	2009-0204		\$88000
2010-0224         W KATHRYN AV NSTRATHMORE AV         N 72ND ST         1.235         6         1954         810         188         10         1         2008         2009-0224         \$178200           2010-0225         N 60TH ST (E/S) W BOBOLINK AV         W FLORIST AV         1.231         8         1957         650         173         8         1         2001         2009-0225         \$143000           2010-0226         N 73RD ST W CAPITOL DR         W FIEBRANTZ AV         1.231         6         1956         650         251         8         2         2006         2009-0226         \$143000           2010-0227         N 98TH ST W CONCORDIA AV         W TOWNSEND ST         1.231         6         1952         650         251         8         2         2006         2009-0226         \$143000	2010-0223	W NORWICH AV 400° E/O S 80TH ST			1.235	8	1959	405	570	5	1 2008	2009-0223		405' consists of 4", 6", & 8"
2010-0225         N 60TH ST (E/S) W BOBOLINK AV         W FLORIST AV         1.231         8         1957         650         173         8         1         2001 1 1999         2009-0225         \$143000           2010-0226         N 73RD ST W CAPITOL DR         W FLEBRANTZ AV         1.231         6         1956         650         251         8         2         2006         2009-0226         \$143000           2010-0227         N 98TH ST W CONCORDIA AV         W TOWNSEND ST         1.231         6         1952         650         294         8         1         2006         2009-0228         \$143000					1.235	6	1954	810	188	10	1 2008	2009-0224		
2010-0226         N 73RD ST W CAPITOL DR         W FIEBRANTZ AV         1.231         6         1956         650         251         8         2         2006         2009-0226         \$143000           2010-0227         N 98TH ST W CONCORDIA AV         W TOWNSEND ST         1.231         6         1952         650         294         8         1         2006         2009-0226         \$143000	-				1.231	8	1957	650	173	8	1 2001	2009-0225		\$143000
2010-0227 N 98TH ST W CONCORDIA AV W TOWNSEND ST 1.231 6 1952 650 294 8 1 2006 2009-0228 \$143000	2010-0226		W FIEBRANTZ AV		1.231	6	1956	650	251	8	2 2006	2009-0226		\$143000
	2010-0227				1.231	6	1952	650	294	8		2009-0228		\$143000
	2010-0228		S 22ND PL	2010-417	1.231	8	1957	325	644	4				\$71500

Wednesday, February 03, 2010

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File No.: C-28-23 Program Status as of 2/3/2010

Index No	Location of Project		Water Main Replacement	Breaks per 100 ft.	Size	Year Installed	Length	Qtr Sec	No. c	of Breaks	Previous Index No.		
	N 61ST ST W RICHMOND AV	W LOCUST ST		1.231	6	1926	325	305	4	1 198	2009-0233		\$71500
2010-0230		S 55TH ST		1.231	8	1953	650	530	8		2009-0230		\$143000
<b>2010-02</b> 31		W THURSTON AV		1.231	8	1958	650	178	8		2009-0232		\$143000
<b>2010-023</b> 2	W ASPEN ST S 17TH ST	S 18TH ST	2009-188	1.231	8	1959	325	736	4		2009-0229		\$71500
	W GALENA ST N 16TH ST	N 18TH ST		1.231	6	1873	650	363	8		2009-0234		\$143000
	W LOCUST ST N 20TH ST	N 22ND ST		1.231	6	1905	650	310	8		2009-0231		\$143000
	W BELOIT RD (S/S) S 95TH ST	S 96TH ST		1.228	8	1957	570	525	7		2009-0236		\$125400
2010-0236		W LANCASTER AV		1.228	8	1957	570	216	7		2009-0235		\$125400
2010-0237	W NEW JERSEY AV S 61ST ST		2011-609	1.224	6	1957	490	559	6	· ·	2009-0237		\$107800
2010-0238		S 83RD ST	2010-610	1.224	8	1956	980	226	12	1 200	2009-0239		Limits Changed 2007
2010- <b>0239</b>	W ARMITAGE AV W CONCORDIA AV N 88TH ST			1.212	8	1950	330	293	4	1 2003 1 1980	2009-0251		\$215600
	W ROHR AV N 48TH ST	N 89TH ST		1.212	8	1951	330	191	4	1 200	2009-0244		\$72600
2010-0241		N 49TH ST		1.212	6	1955	660	248	8	0 0	2009-0249		\$145200
2010-0242	W HOPE AV W ARTHUR AV S 9TH PL	W MARION ST		1.212	8	1902	330	497	4	1 200 1 200	2009-0246		\$72600
	S 9TH PL W TRIPOLI AV S 85TH ST	S 10TH ST		1.212	8	1958	660	560	8	0 0	2009-0241		\$145200
	S 85TH ST W MELVINA ST N 69TH ST	S 87TH ST		1.212	8	1953	330	264	4	2 200	2009-0245		\$72600
2010-0245		N 70TH ST		1.212	8	1956	330	527	4	1 200	2009-0243	1	\$72600
2010-0246		W MORGAN AV		1.212	8	1950	330	316	4	1 200	2009-0247		\$72600
2010-0247		N PROSPECT AV	-	1.212	6	1927	330	229	4	1 200	2009-0250		\$72600
	W GLENDALE AV W LOCUST ST	W PECK PL		1.212	6	1905	330	310	4	1 199	2009-0242		\$72600
2010-0249	N 24TH PL	N 25TH ST	2011-608	1.212	6	1954	660	559	8	2 200	2009-0240		\$145200
2010-0250	W WARNIMONT AV	W WILBUR AV	2011-000	1.212	8	1958	660	177	8	1 200	2009-0248		\$145200
2010-0251	N B7TH ST	N 89TH ST		1.209	6	1955	1075	084	13	1 200	2009-0252		\$236500
2010-0252	W DELTA PL	N 59TH ST		1.209	6	1889	910	426	11	1 200	2009-0253		\$200200
	S 16TH ST	W REYNOLDS PL		1.205	6	1922	415	273	5	1 199	2009-0254		\$91300
2010-0254	W NASH ST N 2ND ST W KINNICKINNIC RIVER PK	N 3RD ST .		1.200	8	1922	500	515	6	1 200	2009-0281		MAIN UNDER WALK, 1994
2010-0255	PED. WAY (S 70TH ST)	140 W/O S 72ND ST		1.200	6	1954	500	528	6	1 200	2009-0258		PAV WORK \$110000 \$110000
2010-0255	S 72ND ST	W OKLAHOMA AV	2010-607	1.200	8	1950	500		6	1 199	2009-0257		1995 PAV CANCELLED (5-
2010-0250	60' N/O E HOMER ST	E OTJEN ST	2010-007					500	<u>.</u>	1 199	2009-0257		068) \$110000 \$110000
	W LLOYD ST	W GARFIELD AV		1.200	6	1894	500	349	.6	3 200	1		\$55000
2010-0258	W WOOLWORTH AV	W MILL RD		1.200	8	1955	250	157	3	0	2009-0264		
	W MANITOBA ST SIDAHO ST	S KINNICKINNIC PKWY		1.200	8	1954	500	514	6	3 1993			\$110000
	N HAWLEY RD W CHERRY ST	W GALENA AV		1.200	6	1913	500	368	6	1 199			\$110000
2010-0261	N PARK MANOR DR W GREEN TREE RD	W DEBBIE AV		1.200	6	1962	750	116	9	1 200 2 200	2009-0286		\$165000

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File No.: C-28-23 Program Status as of 2/3/2010

WARRONTST         WOOKARESST         International of the state of t	Index No	Location of Project		Water Main Replacement	Breaks per 100 ft.	Size	Year Installed	Length	Qtr Sec	No. of	f Breaks	Previous Index No.	
WINK ST         WINCH AV         2010-616         1.200         6         1000         2         2007         000-025         5         10000           2010-0284         M SIGL AV         WINCH AV         2010-616         1.200         12         1931         500         365         6         2007         2000-0255         \$         \$10000           2010-0285         S MILLALT ST         1.200         12         1931         500         3200-0255         \$         \$10000           2010-0285         S MILLALT ST         1.106         6         1944         117         5         2         2000-0255         \$         \$17700           2010-0285         S MILLALT ST         1.194         6         1938         335         563         4         2007         2000-027         \$77700           2010-0287         M SILLALT ST         1.194         6         1936         500         8         2007         2000-027         \$77700           2010-027         M SILLALT ST         1.194         8         1950         670         186         8         2007         2000-027         \$17700           2010-027         M SILLALT ST         1.194         6         1950	2010-0262	N 36TH ST W TOWNSEND AV	W KEEFE AV		1.200	6	1926	500	287	6	2 2009 1 1993	2009 <b>-0</b> 262	\$110000
Der Gesch       N MUSCHMAV       2010-616       1.200       6       1904       600       345       6       3       3000-023       5110000         2010-0268       N MUSLEA ST       WUMANUTST       2009-190       1.200       8       1931       500       365       6       3       3000-0235        510000         2010-0268       S MUSLEA ST       WUMANUTST       2009-190       1.200       8       1931       50       6       3       3000-0265        2009-0265        2009-0275        2009-0275        57700         2010-0267       N MUSLIMAT       ETESCHAV       1.194       14       12       156       335       211       4       2009-0273        5147400         2010-0271       M MUSLIMAT       NOCHMERS ST       1.194       8       1955       670       250       8       2009-0273        5147400         2010-0271       M MUSLIMAT       STTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT	2010-0263				1.200	6	1881	500	351	6	1 2009	2009-0265	
2010-0288         N XILL SILL ST.         WALKUT ST.         1.200         12         1931         500         366         1         360         266-0225         \$110000           2010-0288         & XILL SUL WALKOUNT KARD         2000-1190         1.000         8         1969         1000         756         12         360         2006-0225         \$120000           2010-0288         & XILL SUL WALKOUNT KARD         1.196         6         1938         335         563         4         0         2006-0225         \$127000           2010-0289         & XILL SUL WALKOUNT KARD         1.194         6         1938         335         563         4         0         2006-0227         \$17700           2010-0287         W XILL SUL WALKOUNT KARD         NARTH ST         1.194         8         1956         735         560         4         2000-0275         \$147400           2010-0271         M XILL SULT         2011-605         1.194         8         1956         735         560         4         2000-0275         \$147400           2010-0271         M XILL SULT         NULL SULT         1.194         6         1956         420         143         15         1482         2000-0275         \$147400 </td <td>2010-0264</td> <td>N 41ST ST WGARFIELD AV</td> <td>W NORTH AV</td> <td>2010-616</td> <td>1.200</td> <td>6</td> <td>1904</td> <td>500</td> <td>348</td> <td>6</td> <td>2 2003 1 1987</td> <td>2009-0263</td> <td></td>	2010-0264	N 41ST ST WGARFIELD AV	W NORTH AV	2010-616	1.200	6	1904	500	348	6	2 2003 1 1987	2009-0263	
D010-0271         NUMBER         No.000         No.000         Sec.	2010-0265		W WALNUT ST		1.200	12	1931	500	365	6	1 2004	2009-0255	\$110000
2010-0288         \$ LOWANCH ST         E TESCH AV         1.194         6         1938         335         583         4         307         2009-0270         \$77700           2010-0270         W MARDAN         NETH ST         1.194         12         1956         335         211         4         307         2009-0272         \$77700           2010-0270         W MARDAN         NETH ST         1.194         8         1956         335         211         4         307         2009-0272         \$77700           2010-0271         W MARDAN         STTIST         2011-055         1.194         8         1955         670         186         8         2009-0278         \$147400           2010-0272         M MARDAN         1.194         6         1955         670         186         8         2009-028         \$147400           2010-0271         M MARDAN         1.190         6         1955         670         186         8         2009-0278         \$147400           2010-0274         M MARDAN         1.190         6         1955         420         121         5         338         2009-0275         \$154600           2010-0274         M MARDAN         1.190	2010-0266	S 20TH ST W WOOD AV	1000' S/O W WOOD AV	2009-190	1.200	8	1959	1000	736	12	2 2007 1 2006	2009-0259	\$220000
2010-0229         W VILLARD // M BATH ST         1.194         12         1956         335         211         4         1         2000         2000-0273         \$7770           2010-0271         W MURATS ST         W COMBRESS ST         1.194         8         1955         670         250         8         1         2007         2000-0273         \$147400           2010-0271         W MURATS ST         2011-005         1.194         6         1950         670         520         8         2000-0273         \$147400           2010-0271         W MURATS ST MURATS ST         2011-005         1.194         6         1950         670         528         8         2000-0274         \$147400           2010-0273         W MURATS ST M	2010-0267	W NEWTON PL N 42ND ST	N 43RD ST		1.196	6	1948	-418	171	5	0 0	2009-0268	\$91960
2010-0270         N         XMARC ST         W CONGRESS ST         1.194         8         1955         670         250         8         1.2007         2009-0273         \$147400           2010-0271         W MARTER         2011-605         1.194         8         1957         335         550         4         2 2009-0273         \$147400           2010-0271         M MARTER         2011-605         1.194         8         1957         335         550         4         2 2009         2009-0273         \$147400           2010-0271         M MARTER         W BURCKAV         1.194         6         1955         670         186         2         2009-0276         \$147400           2010-0274         M MARTER         W BURCKAV         1.190         12         1956         420         123         10         2 2009-0276         \$142400           2010-0278         M MARTER         1.190         6         1955         420         264         5         1 3009         2009-0276         \$142400           2010-0278         M MARTER         W BOBOLINKAV         1.190         6         1955         420         264         5         13090-0277         \$154800           2010-0278	2010-0268	S IOWA AV E NORWICH ST	E TESCH AV		1.194	6	1938	335	583	4	1 2007 0 0	2009 <b>-0</b> 270	\$73700
WARDON ST         WOOKAGESS ST         Image: Stratule Stratu	2010-0269	W VILLARD AV N 67TH ST	N 68TH ST		1.194	12	1956	335	211	4	1 2009 1 2005	2009-0272	\$73700
2010-0272         N         MLWAWKERNKER PK (E)         S         2000         2000-0269         \$147400           0210-0273         S         JELE         DDR         W BURDICK AV         1.194         6         1955         670         528         8         2000-0274         \$147400           0210-0273         S         JELE         W BURDICK AV         1.190         12         1956         420         143         5         1988         2000-0276         ALD INCURY \$2000           0210-0274         N         WILSELE(S)         W BURDICK AV         1.190         8         1955         440         173         10         2000-0276         \$148800           0210-0276         N         WILSELE(S)         W DUROLIN CREEK DR         1.190         8         1955         420         224         5         1000-0277         \$2000           0210-0278         N         WUCKINCREEK DR         2010-013         1.190         6         1959         840         170         10         2000-0281         \$113200           0210-0278         N         WOKKINSV         W DOBOLINK AV         1.187         8         1952         337         249         4         20000-0281         \$113200	<b>2010-027</b> 0	N 62ND ST W MARION ST	W CONGRESS ST		1.194	8	1955	670	250	8	1 2007 1 2003	2009-0273	\$147400
Bit Dot 2017         String Strin	2010-0271	W WILBUR AV S 96TH ST	S 87TH ST	2011-605	1.194	8	1957	335	560	4	2 2005 1 2000	2009-0271	\$73700
2010-0273         S         XILLEFIELD DR         W BURDICK AV         1.194         6         1955         670         528         8         1         2003         2008-0274         ALD         ALD         ALD         NOULHER         ALD         ALD <td>2010-0272</td> <td>N MIL WAUKEE RIVER PK (8</td> <td>E/S) 220' S/O W LAWN AV</td> <td></td> <td>1.194</td> <td>6</td> <td>1950</td> <td>670</td> <td>196</td> <td>8</td> <td>2 2008 1 2007</td> <td>2009-0269</td> <td>\$147400</td>	2010-0272	N MIL WAUKEE RIVER PK (8	E/S) 220' S/O W LAWN AV		1.194	6	1950	670	196	8	2 2008 1 2007	2009-0269	\$147400
WILL RD         W BRENTWOODAV         International Processing Stress Processing Processing Stress Processing Procesproperation Processing Pro	2010-0273				1.194	6	1955	670	528	8	1 2003 1 1999	2009-0274	\$147400
2010-0276         N         3711 ST WAUSYAW         WLINCOLUN CREEK DR         1.190         6         1955         420         227         5         1         2007         2030-0277         592400           2010-0277         WAPLETON AV (S/S) WCAPTOL DR         WCAPTOL DR         2010-013         1.190         6         1956         420         264         5         1         2002         2008-0278         \$121000           2010-0278         M TEUTON AV (S/S) WCAPTOL DR         WCAPTOL DR         2010-013         1.190         6         1956         420         264         5         1         2002         2008-0278         \$121000           2010-0280         M TEUTON AV (S/S) WCAPTOL DR         WFOND DU LAC RD         1.187         8         1952         337         249         4         1         2006         2009-0280         \$71140           2010-0281         M TTH ST         2010-641         1.186         6         1888         590         322         7         0         0         2009-0282         \$111320           2010-0281         M TTH ST         1.186         8         1930         506         362         6         1         2002         2009-0282         \$111320 <td< td=""><td>2010-0274</td><td>N 84TH ST W MILL RD</td><td>W BRENTWOOD AV</td><td></td><td>1.190</td><td>12</td><td>1956</td><td>420</td><td>143</td><td>5</td><td>1 1993 1 1986</td><td>2009-0276</td><td>ALD. INQUIRY \$92400</td></td<>	2010-0274	N 84TH ST W MILL RD	W BRENTWOOD AV		1.190	12	1956	420	143	5	1 1993 1 1986	2009-0276	ALD. INQUIRY \$92400
2010-0277         W APPLETON AV (S/S) W CAPTOL DR         W CAPTOL DR         2010-013         1.190         6         1956         420         264         6         1         2006         2008-0278         \$121000           2010-0278         N TEUTON AV (W/S) W BOBOLINK AV         W BOBOLINK AV         1.190         6         1959         840         170         10         2         2006         2008-0278         \$184800           2010-0278         W YANCE FL         W FOND DU LAC RD         1.187         8         1952         337         249         4         1         2006         2009-0281         \$174140           2010-0280         N PALMERS ST         E WRIGHT ST         2010-641         1.186         6         1888         590         322         7         0         2009-0281         \$129800           2010-0281         N 377457         W CHERRY ST         1.186         8         1930         506         362         6         1         2009-0282         \$111320           2010-0281         N 377457         W CHERRY ST         1.186         8         1950         309         4         1         2009         2039-0287         \$74800           2010-0285         KYLEPS ST         N OHID AV	2010-0276	N 60TH ST (E/S) W CARMEN AV	W BOBOLINK AV		1.190	8	1955	840	173	10	1 2009 1 2008	2009-0275	\$184800
2016-0278         N         TEUTOWARY MVS. TO SOV CARMENAX         W BOBOLINK AV         1.190         6         1959         840         170         10         2         2008         2009-0279         \$184800           2016-0279         W YANCE PL W FOND DU LAC RD         1.187         8         1952         337         249         4         2006         2009-0280         \$74140           2016-0278         W SANCE PL WENDER AT         W FOND DU LAC RD         1.187         8         1952         337         249         4         2006         2009-0281         \$129800           2016-0281         N 2TH ST         E WRIGHT ST         2010-641         1.186         6         1888         590         322         7         0         2009-0281         \$129800           2010-0281         N 2TH ST         W CHERRY ST         1.186         8         1930         506         362         6         1         2009-0283         \$111320           2010-0283         W CHERRY ST         N 30TH ST         1.176         6         1902         340         309         4         1         2009-0283         \$333500           2010-0284         W FOND DU LAC AV (S/S)         W HAMPTON AV         2010-611         1.176	2010-0276	N 57TH ST W RUBY AV	W LINCOLN CREEK DR		1.190	6	1955	420	227	5	1 2007 1 1998	2009-0277	\$92400
2010-0279         W KANCE PL WSOND DU LAC RD         1.187         8         1952         337         249         4         2006         2009-0280         \$74140           2010-0280         N PALMER ST EMENDECKEAV         E WRIGHT ST         2010-641         1.186         6         1888         590         322         7         0         0         2009-0281         \$128600           2010-0281         N 127L ST WVLIET ST         W CHERRY ST         1.186         8         1930         506         362         6         2009-0281         \$128600           2010-0281         N 27L ST         W CHERRY ST         1.186         8         1930         506         362         6         2009-0283         \$111320           2010-0283         W CHERRY ST         W OHIO AV         1.184         8         1954         760         528         9         2007         2009-0283         \$167200           2010-0284         W COULST ST N 30TH ST         N 30TH ST         1.176         6         1902         340         309         4         2007         2009-0289         \$393500           2010-0284         W FOND DU LAC AV (S/S) W HAMPTON AV         2010-611         1.176         6         1873         340         360	2010-0277	W APPLETON AV (S/S) W CHAPMAN PL	W CAPITOL DR	2010-013	1.190	6	1956	420	264	5	1 2004 1 1995	2009 <b>-0</b> 278	\$121000
2010-0280         N         PALMER ST WULLER ST WULLER ST         E WRIGHT ST         2010-641         1.186         6         1888         590         322         7         0         0         2000-0281         \$129600           2010-0281         N         YZTEST         W CHERRY ST         1.186         8         1930         506         362         6         1         2008         2009-0283         \$111320           2010-0281         N         YZTEST         W OHIO AV         1.184         8         1954         760         528         9         1         2007         2009-0283         \$167200           2010-0283         W IOCUST ST N 2014 ST         N 30TH ST         N 30TH ST         1.176         6         1902         340         309         4         1         2007         2009-0287         \$74800           2010-0284         W COUND LAC AV (SVS) W HAMPTON AV         2010-611         1.176         6         1873         340         360         4         1         2002         2009-0286         \$74800           2010-0285         K NAPP ST         N NA BURFUM ST         1.176         6         1937         340         360         4         1         2002         2009-0285	2010-0278	N TEUTONIA AV (W/S) 100' S/O W CARMEN AV	W BOBOLINK AV		1.190	6	1959	840	170	10	2 2008 1 2007	2009-0279	\$184800
2010-0281         N         1186         8         1930         506         362         6         1         2008         2009-0282         \$111320           2010-0282         S         SSTH ST WELCLDAV         WOHID AV         1.184         8         1954         760         528         9         1         2007         2009-0283         \$167200           2010-0283         W LOCUST ST WELCLDAV         N 30TH ST         1.176         6         1902         340         309         4         1         2007         2009-0287         \$74800           2010-0284         W POND DU LAC AV (S/S) WCONSTANCE AV         W HAMPTON AV         2010-611         1.176         6         1873         340         360         4         1         2008         2009-0286         \$74800           2010-0284         W POND DU LAC AV (S/S) W CONSTANCE AV         W HAMPTON AV         2010-611         1.176         6         1873         340         360         4         1         2008         2009-0286         \$74800           2010-0285         EXSERVOIR AV N NORWICH AV         N AN BUREN ST         1.176         6         1937         340         580         4         0         0         2009-0288         \$74800	2010-0279	W VANCE PL N 56TH ST	W FOND DU LAC RD		1.187	8	1952	337	249	4	1 2006 1 2004	2009-0280	\$74140
2010-0282         S         B9TH ST WEUCID AV         WOHID AV         1.184         8         1954         760         528         9         1         2007         2009-0283         \$167200           2010-0283         W LOCUST ST WORKSTANCE AV         N 30TH ST         1.176         6         1902         340         309         4         1         2007         2009-0287         \$74800           2010-0284         W FOND DU LAC AV (S/S) WCONSTANCE AV         W HAMPTON AV         2010-611         1.176         8         1956         425         226         5         1         2005         2009-0287         \$34300           2010-0285         E         NCASS ST         N VAN BUREN ST         1.176         6         1873         340         360         4         1         2003         2009-0286         \$74800           2010-0286         E         RESERVOIR AV NHUBRAD ST         N BUFFUM ST         1.176         6         1937         340         360         4         1         2003         2009-0285         \$74800           2010-0287         S         ST ST WORKMICH AV         340' SAO W NORWICH ST         1.176         6         1937         340         580         4         0         0 <t< td=""><td>2010-0280</td><td>N PALMER ST E MEINECKE AV</td><td>E WRIGHT ST</td><td>2010-641</td><td>1.186</td><td>6</td><td>1888</td><td>590</td><td>322</td><td>7</td><td>0 0</td><td>2009-0281</td><td>\$129800</td></t<>	2010-0280	N PALMER ST E MEINECKE AV	E WRIGHT ST	2010-641	1.186	6	1888	590	322	7	0 0	2009-0281	\$129800
2010-0283         W LOCURT ST N 20TH ST         N 30TH ST         1.176         6         1902         340         309         4         2007 1         2007 1998         2009-0287         574800           2010-0284         W FOND DU LA CAV (S/S) WCONSTANCE AV CONSTANCE AV SOUND DU LAC AV (S/S)         W HAMPTON AV         2010-611         1.176         8         1956         425         226         5         1         2005-0287         \$574800           2010-0284         W FOND DU LAC AV (S/S) WCONSTANCE AV SCONSTANCE AV         N VAN BUREN ST         1.176         6         1873         340         360         4         1         2009-0286         \$774800           2010-0285         E         NCASS ST N VAN BUREN ST         1.176         6         1900         340         354         4         1         20002         2009-0284         \$74800           2010-0287         S IST ST WNORWICH AV         340' S/W WORWICH ST         1.176         6         1937         340         580         4         0         0         2009-0288         \$74800           2010-0288         W STARK ST WNORWICH AV         340' S/W WORWICH ST         1.176         8         1955         340         213         4         1         20009         2019-0284 <t< td=""><td>2010-0281</td><td>N 12TH ST W VLIET ST</td><td>W CHERRY ST</td><td></td><td>1.186</td><td>8</td><td>1930</td><td>506</td><td>362</td><td>6</td><td>1 2008 1 1995</td><td>2009-0282</td><td>\$111320</td></t<>	2010-0281	N 12TH ST W VLIET ST	W CHERRY ST		1.186	8	1930	506	362	6	1 2008 1 1995	2009-0282	\$111320
2010-0284         W FOND DU LAC AV (S/S) W CONSTANCE AV         W HAMPTON AV         2010-611         1.176         8         1956         425         226         5         1         2000         2009-0289         \$93500           2010-0285         E         KNAPS ST (N/S) N CASS ST         N VAN BUREN ST         1.176         6         1873         340         360         4         1         2009-0286         \$74600           2010-0286         E         RESERVOIR AV MUBBARD ST         N BUFFUM ST         1.176         6         1900         340         354         4         1         2009-0286         \$74800           2010-0287         S ST ST WORMICH AV         340' S/O W NORWICH ST         1.176         6         1937         340         580         4         0         0         2009-0286         \$74800           2010-0288         W STARK ST WORMICH AV         340' S/O W NORWICH ST         1.176         8         1955         340         213         4         1         2009         2019-0288         \$74800           2010-0289         N SOTH ST WORMICH AV         W GERTRUDE DR         1.167         6         1953         600         174         7         1         2006         2009-0291         \$132000 <td>2010-0282</td> <td>S 69TH ST WEUCLID AV</td> <td>W OHIO AV</td> <td></td> <td>1.184</td> <td>8</td> <td>1954</td> <td>760</td> <td>528</td> <td>9</td> <td></td> <td>2009-0283</td> <td>\$167200</td>	2010-0282	S 69TH ST WEUCLID AV	W OHIO AV		1.184	8	1954	760	528	9		2009-0283	\$167200
2010-0285       E       KNAPP ST (N/S) N VAN BUREN ST       N VAN BUREN ST       1.176       6       1873       340       360       4       1       2008 1994       2009-0286       \$74800         2010-0286       E       RESERVOIR AV N HUBBARD ST       N BUFFUM ST       1.176       6       1900       340       354       4       1       2003 2009-0284       \$74800         2010-0287       S 1ST ST WNORWICH AV       340' S/O W NORWICH ST       1.176       6       1937       340       580       4       0       0       2009-0285       \$74800         2010-0288       W STARK ST WNORWICH AV       340' S/O W NORWICH ST       1.176       6       1937       340       580       4       0       0       2009-0285       \$74800         2010-0288       W STARK ST WNORWICH AV       W GERTRUDE DR       1.176       8       1955       340       213       4       1       2009 2009-0291       \$132000         2010-0290       N 60TH ST WNORWICH ST WSILVER SPRING DR       W THURSTON AV       1.167       6       1953       600       174       7       1       2008 2009-0294       \$132000         2010-0290       N MUHALL ST E LUNWOOD AV       1.167       6       1955       600	2010-0283	W LOCUST ST N 29TH ST	N 30TH ST		1.176	6	1902	340	309	4	1 2007 1 1995	2009-0287	\$74800
2010-0286         E         RESERVOIR AV INHUBBARD ST         N         BUFFUM ST         1.176         6         1900         340         354         4         1         2003 2009-0284         S74800           2010-0287         S         15.75 T WNORWICH AV         340' S/O W NORWICH ST         1.176         6         1937         340         580         4         0         0         2009-0285         \$74800           2010-0288         W STARK ST W NORWICH AV         340' S/O W NORWICH ST         1.176         6         1937         340         580         4         0         0         2009-0288         \$74800           2010-0288         W STARK ST W NORTH ST W GERTRUDE DR         1.176         8         1955         340         213         4         1         2009         2009-0288         \$74800           2010-0289         N GOTH ST W SILVER SPRING DR         W THURSTON AV         1.167         6         1953         600         174         7         1         2008         2009-0294         \$132000           2010-0290         N         N EWHALL ST E LINNWOOD AV         1.167         6         1955         600         603         7         2         2004         2009-0290         \$132000	2010-0284	W FOND DU LAC AV (S/S) W CONSTANCE AV	W HAMPTON AV	2010-611	1.176	8	1956	425	226	5	1 2005 0 0	2 <b>009</b> -02 <b>8</b> 9	\$93500
2010-0287 S 1ST ST WNORWICH AV       340' SKO W NORWICH ST       1.176       6       1937       340       580       4       0       0       2009-0285       \$74800         2010-0288 W STARK ST NYGTH ST       W GERTRUDE DR       1.176       8       1955       340       213       4       1       2009-0288       \$74800         2010-0289 N 607H ST WSILVER SPRING DR       W THURSTON AV       1.167       6       1953       600       174       7       1       2006       2009-0291       \$132000         2010-0290 N WEWHALL ST E LOCUST ST       E LINNWOOD AV       1.167       6       1896       600       315       7       2       2009-0294       \$132000         2010-0291 WALLERTON AV S STH ST       S 67TH ST       1.167       6       1955       600       603       7       2       2009-0294       \$132000         2010-0291 WALLERTON AV S SSTH ST       S 67TH ST       1.167       6       1955       600       603       7       2       2009-0294       \$132000         2010-0292 N WFIEBRANTZ AV       W HOPE AV       2011-614       1.167       8       1955       600       252       7       1       2009       209-0292       \$132000         2010-0293 S TH ST WORLAHOMA A	2010-0285	E KNAPP ST (N/S) N CASS ST	N VAN BUREN ST		1.176	6	1873	340	360	4	1 2008 1 1994	2 <b>0</b> 09-02 <b>8</b> 6	\$74800
2010-0288       W STARK ST N 76TH ST       W GERTRUDE DR       1.176       8       1955       340       213       4       1       2009-0288       \$74800         2010-0289       N 60TH ST W SILVER SPRING DR       W THURSTON AV       1.167       6       1953       600       174       7       1       2008       209-0288       \$132000         2010-0290       N NEWHALL ST E LINNWOOD AV       1.167       6       1896       600       315       7       2       2004       2009-0294       \$132000         2010-0291       W ALLERTON AV S 65TH ST       S 67TH ST       1.167       6       1955       600       603       7       2       2009-0290       \$132000         2010-0292       N 80TH ST S 65TH ST       S 67TH ST       1.167       6       1955       600       603       7       2       2009-0290       \$132000         2010-0292       N 80TH ST W FIEBRANTZ AV       W HOPE AV       2011-614       1.167       8       1955       600       252       7       1       2009       2009-0292       \$132000         2010-0293       S 7TH ST W OKLAHOMA AV       W EUCLID AV       1.167       6       1926       600       536       7       1       2009	2010-0286	E RESERVOIR AV N HUBBARD ST	N BUFFUM ST		1.176	6	1900	340	354	4	1 2003 1 2002	2009-0284	\$74800
2010-0289       N       60TH ST W SILVER SPRING DR       W THURSTON AV       1.167       6       1953       600       174       7       1       2008 2009-0291       \$132000         2010-0290       N       NEWHALL ST E LINNWOOD AV       E LINNWOOD AV       1.167       6       1896       600       315       7       2       2009-0294       \$132000         2010-0291       W ALLERTON AV S 65TH ST       S 67TH ST       1.167       6       1955       600       603       7       2       2009-0290       \$132000         2010-0292       N 80TH ST S 65TH ST       S 67TH ST       2011-614       1.167       8       1955       600       603       7       2       2009-0290       \$132000         2010-0292       N 80TH ST W FIEBRANTZ AV       W HOPE AV       2011-614       1.167       8       1955       600       252       7       1       2009-0292       \$132000         2010-0293       S       7TH ST W OKLAHOMA AV       W EUCLID AV       1.167       6       1926       600       536       7       1       2009-0293       \$132000			340' S/O W NORWICH ST		1.176	6	1937	340	580	4	0 0	2009-0285	\$74800
W SILVER SPRING DR       W THURSTON AV       Image: Construction of the state of the s	2010-0288	W STARK ST N 76TH ST	W GERTRUDE DR		1.176	8	1955	340	213	4	1 2009 1 2006	2009-0288	\$74800
2010-0291         W ALLERTON AV S \$5TH ST         S 67TH ST         1.167         6         1955         600         603         7         2 2006 1         2009-0290         \$132000           2010-0292         N 80TH ST W FIEBRANTZ AV         W HOPE AV         2011-614         1.167         8         1955         600         252         7         1         2009-0290         \$132000           2010-0293         S 7TH ST W OKLAHOMA AV         W EUCLID AV         1.167         6         1926         600         536         7         1         2009-0293         \$132000	2010-0289	N 60TH ST W SILVER SPRING DR	W THURSTON AV		1.167	6	1953	600	174	7	1 2008 1 2006	2009-0291	\$132000
Statistic         Statistic <t< td=""><td>2010-0290</td><td>N NEWHALL ST E LOCUST ST</td><td>E LINNWOOD AV</td><td></td><td>1.167</td><td>6</td><td>1896</td><td>600</td><td>315</td><td>7</td><td>2 2004 1 2003</td><td>2009-0294</td><td>\$132000</td></t<>	2010-0290	N NEWHALL ST E LOCUST ST	E LINNWOOD AV		1.167	6	1896	600	315	7	2 2004 1 2003	2009-0294	\$132000
2010-0293 S 7TH ST W OKLAHOMA AV WEUCLID AV WEUCLID AV 1.167 6 1926 600 536 7 1 2009 209-0293 \$132000	2010-0291	WALLERTON AV S 65TH ST	S 67TH ST		1.167	6	1955	600	603	7	2 2006 1 2004	2009-0290	\$132000
WOKLAHOMA AV WEUCLID AV HILL AV	201 <b>0-0292</b>	N 80TH ST W FIEBRANTZ AV	W HOPE AV	2011-614	1.167	8	1955	600	252	7		2009-0292	\$132000
2010-0294 N FRATNEY ST E CONCORDIA AV E TOWNSEND ST 1.165 6 1897 515 281 6 1 2004 2009-0295 \$113300	2010-0293	S 7TH ST W OKLAHOMA AV	WEUCLIDAV		1.167	6	1926	600	536	7	1 2009 1 2005	2009-0293	\$132000
	2010-0294	N FRATNEY ST E CONCORDIA AV			1.165	6	1897	515	281	6	1 2004	2009-0295	\$113300

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Index No	Location of Project		Water Main Replacement	Breaks per 100 ft	Size	Year Installed	Length	Qtr Sec	No. o	f Breaks	Previous Index No.		
2010-0295	E NEWBERRY BL N SHEPARD AV	N LAKE DR		1.163	4	1894	430	317	5	0 0	2009-0296	\$9460	00
2010-0296	N 86TH ST W GLENDALE AV	W PECK CT		1.163	6	1956	430	223	5	1 2003 3 1998	2009-0297	\$9460	00
2010-0297		100' S/O E BRADY ST		1.163	6	1875	430	360	5		2009-0298	ASPH PAVING 19 076 MISC)	
201 <b>0-02</b> 98	W EDEN PL S 61ST ST	S 63RD ST	2010-403	1.159	8	1955	690	557	8		2009-0301	\$1518	
2010-0299		W STARK ST		1.159	8	1955	690	211	8		2009-0302	INCLUDES F	
201 <b>0</b> -0300	N 87TH ST W CAPITOL DR	W FIEBRANTZ AV		1.159	6	1956	690	253	8	2 2003 1 1997	2009-0303	\$1518	
2010- <b>0</b> 301		W FIEBRANTZ AV	2010-001	1.159	6	1956	690	253	8		2009-0300	ASPH PAVING \$15180	
2010-0302		W ORIOLE DR		1.159	12	1950	345	170	4		2009-0299	\$7590	
2010-0303		200' S/O W KLONDIKE PL		1.154	6	1908	520	498	6		2009-0307	\$1144	100
2010-0304		W PLAINFIELD AV	2010-619	1.154	6	1959	260	572	3		2009-0306	\$572	00
2010-0305		W NEW JERSEY AV	2011-608	1.154	6	1957	260	559	3	1 2007	2009-0304	\$5720	00
2010-0306		N JACKSON ST		1.154	6	1873	260	429	3		2009-0305	\$572	00
<b>2010</b> -0 <b>30</b> 7		W OHIO AV		1.149	8	1956	870	527	10		2009-0308	\$1914	100
2010-0308	S 11TH ST W CLEVELAND AV	435' S/O W CLEVELAND AV		1.149	6	1916	435	507	5		2009-0309	\$9570	00
2010-0309		W HOWARD AV		1.148	6	1954	610	556	7		2009-0311	\$1342	200
2010-0310	N 62ND ST W MELVINA ST	W CAPITOL DR		1.148	6	1956	610	265	7		2009-0310	\$1342	200
	W BURLEIGH ST	N ACHILLES ST		1.143	8	1894	350	282	4	3 1993 0 0	2009-0327	\$7700	00
2010-0312		W WARNIMONT AV		1.143	8	1959	350	560	4	1 2006	2009-0314	\$7700	00
2010-0313		W GERTRUDE DR		1.143	6	1955	700	213	8		2009-0481	\$1540	000
2010-0314	W AUER AV N 84TH ST	N 85TH ST		1,143	8	1950	350	293	4		2009-0328	\$7700	00
2010-0315		N PROSPECT AV		1.143	6	1894	350	355	4		2009-0319	\$7700	00
2010-0316		N BOOTH ST		1.143	8	1925	350	274	4	1 2001	2009-0317	\$7700	00
<b>2010-031</b> 7		W KEEFE AV		1.143	8	1955	350	292	4		2009-0315	\$7700	00
2010-0318	W COURTLAND AV	N 90TH ST		1.143	8	1957	525	223	6	1 199 2 199	2009-0325	\$1155	500
2010-0319		W ORCHARD ST		1.143	6	1892	350	459	4		2009-0322	\$7700	00
2010-0320		W THURSTON AV	2010-018	1.143	6	1958	525	175	6		2009-0312	\$1155	500
2010-0321		W FREMONT PL		1.143	8	1953	350	514	4		2009-0324	\$7700	00
2010-0322		S LOGAN AV		1.143	6	1923	350	504	4		2009-0313	\$7700	00
2010-0323	W BENDER AV N 80TH ST	700' W/O N 80TH ST		1.143	8	1957	700	153	8	1 2007	2009-0323	\$1540	000
	N DOUSMAN ST E WRIGHT ST	E CLARKE ST		1.143	6	1900	700	320	8		2009-0316	\$1540	000
	W LUSCHER AV N 42ND ST	N SHERMAN BV		1.143	6	1928	350	208	4		2009-0316	\$770	00
1	S KANSAS AV (E/S) N/L OF E CORA AV	E ELIZABETH AV		1.143	6	1937	700	546	8		2009-0321	\$1540	000
	S 66TH ST W VERONA CT	W MORGAN AV		1.143	8	1953	350	529	4		2009-0320	\$770	00

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Index No	Location of Project		Water Main Replacement	Breaks per 100 ft.	Size	Year Installed	Length	Qtr Sec	No. o	of Breaks	Previous Index No.		
201 <b>0-0</b> 328	W CRAWFORD AV S 57TH ST	S 58TH ST	2010-407	1.143	8	1954	350	556	4	1 1983 1 1978	2009-0326	S	577000
2010-0329	W OLIVE ST N 22ND ST	W ROOSEVELT DR		1.139	8	1927	790	245	9	1 2009 1 2007	2009-0328	S	173800
2010-0330	N 44TH ST W GREEN TREE RD	530' N/O W GREEN TREE RD		1.132	8	1958	530	122	6	1 2006 1 2005	2009-0330	S	116600
2010-0331	N STRATHMORE AV WHERBERT AV	W SHERIDAN AV		1.129	8	1954	974	188	11	2 2008 1 2007	2009-0331	S	214280
2010-0332	N 44TH ST W HAMPTON AV	W STARK ST		1.129	6	1939	620	209	7		2009-0334	s	136400
2010-0333	N TEUTONIA AV W SHERIDAN AV	W SILVER SPRING DR		1.129	8	1946	620	193	7	2 2007 1 2004	2009-0332	S	136400
2010-0334	N 91ST ST W COURTLAND AV	W HAMPTON AV		1.129	6	1957	620	223	7	1 2004	2009-0333	S	136400
2010-0335	N 68TH ST W CAPITOL DR	W FIEBRANTZ AV		1.129	12	1954	620	251	7		2009-0544	S	136400
2010-0336	S 63RD ST W FREMONT PL	W STACK DR		1.125	8	1956	800	514	9	1 2004 2 2001	2009-0336	S	176000
2010-0337	N 67TH ST W LANCASTER AV	W VILLARD AV		1.125	6	1956	800	211	9	1 2006 3 2003	2009-0335	\$	176000
2010-0338		E BUFFALO ST		1.124	8	1948	445	396	5		2009-0337	S	97900
2010-0339	S 76TH ST WOHIO AV	PEDWAY S/O W OHIO AV		1.121	8	1955	535	528	6	2 2007 0 0	2009- <b>0</b> 338	\$	117700
2010-0340	N 35TH ST WORIOLE DR	W FLORIST AV		1.117	8	1949	985	171	11	2 2004 1 2002	200 <b>9-0</b> 339	S:	216700
2010-0341	N 30TH ST (E/S) W BROWN ST	WLLOYDST		1.111	6	1892	540	349	6	1 1995 1 1994	2 <b>009-0</b> 350	\$	118800
2010-0342	E CORA AV S RUTLAND AV	S ARCTIC AV		1.111	6	1937	270	546	3		20 <b>0</b> 9-0362	S	59400
2010-0343	N 83RD ST W MELVINA ST	W CAPITOL DR		1.111	6	1954	270	263	3		2009-0358	S	59400
2010-0344	S 9TH ST W MONTANA ST	W DAKOTA ST		1.111	6	1911	630	507	7		2009-0346	\$	138600
2010-0345	W APPLETON AV (W/S) W GLENDALE AV	W COURTLAND AV		1.111	8	1956	900	224	10		2009-0344	s	198000
2010-0346	W MINERAL ST S 9TH ST	S 10TH ST		1.111	6	1882	360	432	4		2009-0347	s	79200
2010-0347	N 12TH ST W VINE ST	W WALNUT ST		1.111	6	1873	450	352	5		2009-0356	\$	99000
2010-0348	N 47TH ST W CAPITOL DR	W FIEBRANTZ AV		1.111	6	1948	630	248	7	1 2006 1 2005	2009-0343	\$	138600
2010-0349		W HOPE AV		1.111	6	1954	630	251	7	1 2008	2009-0354	\$	138600
2010-0350	S 14TH ST 30' S/O W CLEVELAND AV	480' S/O W CLEVELAND AV		1.111	6	1910	450	508	5	1 2004 1 1989	2009-0340	s	99000
2010- <b>035</b> 1	W DOUGLAS AV W KAULAV	W HOPKINS ST		1.111	8	1949	720	158	8	1 2007 0 0	2009-0361	\$	158400
20 <b>10-0</b> 3 <b>52</b>	W KEEFE AV	W NASH ST		1.111	6	1925	810	270	9	1 2009 1 2007	2009-0352	\$	178200
2010-0353	N 10TH ST N LINDSAY ST	W NORTH AV		1.111	6	1890	450	352	5		2009-0345	s	99000
	W HOPE AV N 74TH ST	N 75TH ST		1.111	8	1955	360	251	4		2009-0353	S	79200
2010-0355		450' N/O W NASH ST		1.111	6	1949	450	265	5		2009-0360		OOP 64TH ANE \$99000
2010-0356	S 37TH ST W GREENFIELD AV	W ORCHARD ST		1.111	6	1924	360	457	4	2 1992 2 1962	2009-0348		79200
2010-0357	S 61ST ST W BENNETT AV	W OKLAHOMA AV		1.111	8	1951	270	514	3		2009-0341	S	59400
2010-0358	W PARKLAND AV N EDGEWORTH DR	N FAIRWAY PL		1.111	6	1955	450	084	5	1 1991 1 1986	2009-0355	S	99000
2010-0369	W POTOMAC AV W COURTLAND AV	W DERBY PL		1.111	8	1956	450	224	5		2009-0357	s	99000
2010-0360		W MANITOBA ST		1.111	12	1927	90	510	1		2009-0349	LIMIT\$?	\$19800

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2010-0361	N 70TH ST W COURTLAND AV	W HAMPTON AV		1.111	8	1956	630	225	7	1 2010	2009-0560		\$138600
	W MELVINA ST N 30TH ST	N HOPKINS ST		1.111	6	1928	180	269	2	2 2004 0 0	2009-0 <b>3</b> 59		\$39600
2010-0363	W MCKINLEY BL N 34TH ST	N 35TH ST		1.111	16	1931	360	365	4	1 2006 0 0	2009-0351		\$79200
2010-0364	N 13TH ST W NASH ST	W ATKINSON AV		1.111	19	6	360	271	4	4 2007 0 0	2009-0342		\$
2010-0385	W RIVER BEND DR W OHIO AV	W VERONA CT	22	1.101	8	1955	545	528	6	2 2004 1 1995	2009-0363		\$119900
2010-0366	S 5TH ST W WARNMONT AV	W SAVELAND AV		1.100	6	1950	1000	549	11	1 2004 2 2001	2009-0364		ALD. INQUIRY 1994 \$220000
2010-0387	N 8TH ST W KEEFE AV	W CONCORDIA AV		1.100	6	1894	1000	283	11	1 2005 2 2000	2009-0365		\$220000
20 <b>10-0368</b>	S 18TH ST W WOOD AV	W ASPEN ST	2009-189	1.098	6	1959	820	736	9	1 2008 1 2007	2009-0366		\$180400
20 <b>10-036</b> 9	E BELLEVIEW PL N DOWNER AV	N SUMMIT AV		1.096	6	1909	365	318	4	1 2006 2 1989	2009-0367		\$80300
2010-0370	W KILBOURN AV N 25TH ST	N 27TH ST		1.096	6	1885	730	389	8	2 2006 0 0	2009-0368		\$180600
2010-0371	W BELOIT RD (S/S) S 98TH ST	S 100TH ST(W MORGAN AV)		1.094	12	1957	640	525	7	1 2009 1 1998	2009-0372		\$140800
20 <b>10-037</b> 2	S 91ST ST W WARNIMONT AV	W WILBUR AV		1.094	6	1957	640	560	7	1 2007 1 2006	2009-0369		\$140800
2010-0373	N 69TH ST W BOBOLINK AV	W FLORIST AV		1.094	6	1957	640	175	7	1 2005 1 2004	2009-0371		\$140800
2010-0374	N 80TH ST W COURTLAND AV	W HAMPTON AV		1.094	6	1956	640	224	7	1 2008 1 2006	2009-0370		\$140800
2010-0375	E BELLVIEW PL N WAHLAV	N TERRACE AV		1.091	6	1909	275	318	3	1 1988 2 1987	2009-0377		\$60500
2010-0376	E NEWPORT AV N NEWHALL ST	N CAMBRIDGE AV		1.091	6	1893	275	280	3	3 1985 0 0	2009-0373		CHANGE LIMITS \$60500
2010-0377	N 84TH ST W COURTLAND AV	W DERBY PL		1.091	12	1956	550	224	6	1 2009 1 2007	2009-0376		\$121000
2010-0378	W LYNX DR N 84TH ST	N JOYCE AV		1.091	8	1957	550	152	6	1 1994	1		\$121000
2010-0379	W ATKINSON AV N 24TH ST	N 24TH PL		1.091	8	1926	550	245	6	4 2000 1 1998	2009-0375		\$121000
2010-0380	S 17TH ST W WOOD AV	W ASPEN ST	2009-187	1.084	8	1959	830	736	9	1 2007 1 1992	2009-0378		\$182600
2010-0381	N 37TH ST/ W ROCHELLE A W KILEY AV	V N 38TH ST		1.083	8	1958	1200	123	13	1 2009 1 2008	2009- <b>0</b> 379		\$264000
2010-0382	S 4TH ST W FLORIDA ST	W VIRGINIA ST		1.081	6	1873	370	428	4	0 0	2009-0383		\$81400
2010-0383	N 41ST ST W MT VERNON AV	W ST PAUL AV		1.081	6	1926	370	402	4	1 2007 0 0	2009-0382		\$81400
	W FOREST HOME AV (N/S) NL OF W GRANT ST	S 23RD ST		1.081	6	1891	370	470		0 0	2009-0380		\$81400
2010-0385	W STARK ST N 42ND ST	N SHERMAN BL		1.081	8	1940	370	208	4	2 1995 1 1993	2009-0381		\$61400
201 <b>0-0386</b>	S 23RD ST W SCOTT ST	W GREENFIELD AV		1.081	6	1894	740	434	8	1 2009 1 2005	2009-0384	- nga	\$162800
2010-0387	N 29TH ST	N HOPKINS ST		1.078	8	1924	371	269	4	0 0	2009-0385		\$81620
2010-0388	W BOTTSFORD AV	W ALLERTON AV		1.077	6	1955	650	603	7	1 2004			\$143000
2010-0389	W RUBY AV	W GLENDALE AV		1.077	8	1955	650	225	7	1 2008	-		\$143000
2010-0390	W CENTER ST	W HADLEY ST		1.077	6	1906	650	309	7	1 1996 1 1993			\$143000
	W MT VERNON AV N 15TH ST	N 17TH ST		1.077	8	1887	650	399	7	1 1969		-	\$143000
	N RICHARDS ST E NORTH AV	E MEINECKE AV		1.077	6	1887	650	321	7	1 2002	,		\$143000
2010-0393	N 95TH ST W BURLEIGH ST	W AUER AV		1.077	6	1950	650	294	7	1 2006 1 2003	2009-0391		\$143000

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Index Location of Project No		Water Main Replacement	Breaks per 100 ft.	Size	Year Installed	Length	Qtr Sec	No. o	f Breaks	Previous Index No.		
2010-0394 N 65TH ST W RUBY AV	W GLENDALE AV		1.077	8	1955	650	226	7	1 2009	2009-0396	\$143	3000
2010-0395 N 94TH ST W BURLEIGH ST	W AUER AV		1.077	6	1950	650	294	7		2009-0392	\$143	3000
2010-0398 N 30TH ST W CHAMBERS ST	W LOCUST ST		1.077	6	1901	650	309	7		2009-0394	\$143	3000
2010-0397 N 99 ST W VIENNA AV	W METCALF PL		1.077	12	1953	650	261	7		2009-0386	5143	3000
2010-0398 N 67TH ST W MARION ST	W CONGRESS ST		1.077	6	1955	650	250	7		2009-0650	\$143	3000
2010-0399 N 66TH ST W VIENNA AV	W MELVINA ST		1.077	8	1955	650	265	7		2009-0390	\$143	3000
2010-0400 W SHERIDAN AV N 75TH ST	N 76TH ST		1.077	6	1955	650	188	7		2009 <b>-0</b> 397	\$143	3000
2010-0401 N 16TH ST W HADLEY ST	W LOCUST ST		1.077	6	1892	650	311	7		2009-0388	\$143	3000
2010-0402 N 82ND ST W LOCUST ST	W CHAMBERS ST		1.077	6	1928	650	303			2009-0399	\$143	3000
2010-0403 S 52ND ST W CRAWFORD AV	W HOWARD AV		1.077	6	1954	650	556	7		2009-0398	\$143	3000
2010-0404 N CASS ST E STATE ST			1.077	6	1873	650	393	7		2009-0401	\$143	3000
2010-0405 N 32ND ST W FAIRMOUNT AV	W LANCASTER ST		1.071	6	1908	560	207	6		2009-0402	ASPH PAVING	
2010-0406 S 19TH CT 270 N/O W MANGOLD AV	W MANGOLD AV		1.071	6	1961	280	689	3		2009-0406	\$1232	
2010-0407 N 63RD ST W CENTER ST	230' N/O W CENTER ST		1.071	6	1948	280	305	3		2009-0404	\$61	600
2010-0408 N 23RD ST W KILBOURN AV	W STATE ST		1.071	6	1882	560	389	6	• •	2009-0405	\$123	3200
2010-0409 W NASH ST N 75TH ST	N 76TH ST		1.071	8	1952	560	264	6		2009-0403	\$123	3200
2010-0410 S 18TH ST 655' N/O W WILBUR AV	W WILBUR AV		1.069	6	1927	655	551	7		2009-0407	\$144	4100
2010-0411 N 40TH ST WRUBYAV	W GLENDALE AV		1.069	6	1925	655	229	7		2009-0409	\$144	4100
2010-0412 W MADISON ST S 8TH ST	S 9TH ST		1.067	6	1891	375	432	4		2009-0411	\$82	500
2010-0413 N 19TH ST W WALNUT ST	W VINE ST		1.067	6	1891	750	351	8		2009-0409	\$165	5000
2010-0414 E KOENIG AV S VERMONT AV	S BARLAND AV		1.067	6	1941	750	545	8		2009-0413	S165	5000
2010-0415 W HADLEY ST	N 6TH ST		1.067	6	1894	375	312	4		2009-0412	S	5
2010-0416 W ORCHARD ST S 23RD ST	S 24TH ST		1.067	6	1895	375	459		1 2008	2009-0410	\$82	500
2010-0417 W GRANTOSA DR (S/S) W HAMPTON AV	W APPLETON AV		1.064	8	1958	470	214	5	1 1997 1 2000 1 1997	2009-0417	W APPLETON A	
2010-0418 W MONARCH PL 250' E/O N 43RD ST	150' W/O N 45TH ST		1.064	8	1928	940	386	10		2009-0415	W POTOMAC AV	
230 EO N 45RD ST 2010-0419 S MUSKEGO AV W GREENFIELD AV	W BOW ST		1.064	8	1929	470	460	5		2009-0416	\$103	3400
2010-0420 W BECKETT AV WGLENDALE AV	W COURTLAND AV		1.064	8	1956	940	224	10		2009-0414	\$206	5800
2010-0421 N 73RD ST W MARION ST	W CONGRESS ST		1.061	8	1955	660	251	7	1 2007	2009-0419	\$145	5200
2010-0422 N 70TH ST W CARMEN AV	W BOBOLINK AV		1.061	6	1954	660	175	7	1 2006 1 2007	2009-0421	\$145	5200
2010-0423 N 70TH ST W SILVER SPRING DR	W THURSTON AV		1.061	6	1953	660	175	7	1 2005 1 2006	2009-0422	\$145	5200
2010-0424 N 70TH ST W HOPE AV	W HORSTON AV		1.061	8	1955	660	251		1 1996 1 2008	2009-0423	\$145	5200
2010-0425 N 75TH ST W MARION ST			1.061	8	1955	660	251	7	1 2007 1 2008	2009-0420	\$145	5200
2010-0426 N 73RD ST W COURTLAND AV	W CONGRESS ST		1.061	6	1956	660	225	7	1 2006 1 2009	200 <del>9</del> -0418	\$145	5200
W COURTLAND AV	W HAMPTON AV								1 2007			

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Index	Location of Project		Water Main	Breaks per	Size	Year	Length	Qtr	No. o	f Breaks	Previous	
No			Replacement	100 <del>ft</del> .		Installed		Sec			Index No.	
2010-0427	N 34TH ST W CENTER ST	W HADLEY ST		1.059	6	1896	661	309	7	2 200 0 0	2009-0424	\$145420
2010-0428	W POTOMAC AV W ABERT CT	N 74TH ST		1.059	8	1952	850	264	9	2 200 1 2004	2009-0425	\$187000
<b>201</b> 0-0429	W APPLETON AV (S/S) W HOPE AV	W CONGRESS ST		1.058	8	1956	1040	252	11	1 1999 1 1995	2009-0426	\$228800
<b>2010-043</b> 0	N 82ND ST W KEEFE AV	W NASH ST	2010-020	1.053	6	1953	665	263	7	1 200-2 2003	2009-0438	\$146300
2010-0431	W ATKINSON AV (N/S) N 14TH ST	N 15TH ST		1.053	6	1916	380	271	4	2 199	2009-0433	\$83600
2010-0432	W JUNEAU AV N 35TH ST	150' W/O N 37TH ST		1.053	6	1896	665	387	7	1 200	2009-0435	Limits Changed In 2009 \$182360
2010-0433		W KILBOURN AV		1.053	6	1881	475	389	5	1 200 1 200	2009-0431	\$104500
2010-0434	S 78TH ST W TRIPOLI AV	W HOWARD AV		1.053	8	1958	285	559	3	1 200 1 200	2009-0437	\$62700
2010-0435	W BURNHAM ST S 10TH ST	S 11TH ST		1.053	6	1908	380	461	4	0 0	2009-0427	\$83600
2010-0436	S 8TH ST WARTHUR AV	W HARRISON AV	2009-125	1.053	6	1902	570	497	6	1 200 1 200	2009-0434	\$125400
2010-0437	S WATER ST 700' S/O E NATIONAL AV	60' N/O E NATIONAL AV		1.053	8	1890	760	430	8	1 200 3 199	2009-0430	\$167200
2010-0438	S 66TH ST W HARRISON AV	W CLEVELAND AV	2010-625	1.053	6	1952	665	490	7	1 200	2009-0436	\$146300
2010-0439	N 51ST BL 475 S/O W LINCOLN CREEK	W LINCOLN CREEK DR		1.053	12	1954	475	227	5	1 200	2009-0429	\$104500
2010-0440			1	1.053	 I o	1952	950	529	10	2 200	2009-0428	\$209000
	W OHIO AV	W VERONA CT			8					1 199	3	
2010-0441	\$ 2ND \$T	S 3RD ST		1.053	6	1891	380	431	4	0 1	2009-0432	ST \$93600
2010-0442	W HARRISON AV	W CLEVELAND AV		1.046	6	1906	765	497	8	3 200		
2010-0443	W CUSTER AV	W SHERIDAN AV		1.045	6	1950	670	190	7	1 200		\$147400
2010-0444	N 1ST ST E MIENECKE AV	E WRIGHT ST	2010-642	1.045	6	1886	670	322	7	1 199		
2010-0445	S 28TH ST W BURNHAM ST	W ROGERS ST		1.045	8	1910	670	471	7	1 200 1 200	5 200 <del>9</del> -0443	
2010-0446	N 88TH ST W CENTER ST	W HADLEY ST		1.045	6	1948	670	302	7	1 200 1 200	2009-0442	\$147400
2010-0447	S AUSTIN ST E SMITH ST	E LINCOLN AV		1.045	6	1908	670	499	7	1 199 2 199	2009-0440	\$147400
2010-0448		S MASSACHUSETTS AV		1.040	8	1953	1250	558	13	1 200	2009-0445	\$275000
2010-0449	W ROCHELLE AV	N 98TH ST		1.040	6	1962	1250	116	13	1 200	2009-0559	\$275000
2010-0450	N DR MARTIN L KING JR DF W GARFIELD AV			1.039	8	1947	385	353	4	0	2009-0446	\$84700
2010-0451		410' S/O W CLEVELAND AV		1.039	6	1911	385	507	4	2 200 1 197	2009-0447	\$84700
2010-0452		S 67TH ST		1.039	8	1950	385	514	4		2009-0448	\$84700
2010-0453		400' N/O W COURTLAND AV		1.038	8	1956	1060	224	11	1 200 1 200	8 2009-044 <del>9</del>	\$233200
2010-0454		E CONCORDIA AV		1.037	6	1925	675	281	7		2009-0452	Includes break S/O cross at Intersection \$148500
2010-0455		W PORT AV		1.037	8	1955	675	084	7		3 2009-0450	
2010-0456		S KINGAN AV		1.037	6	1953	675	585	7		2009-045 t	\$148500
2010-0457		S SHANNON AV		1.037	6	1955	675	585	7		7 2009-0453	\$148500
2010-0458	N 96TH ST W MELVINA ST	W CAPITOL DR		1.034	6	1955	290	261	3		2009-0456	\$63800

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Index No	Location of Project		Water Main Replacement	Breaks per 100 ft.	Size	Year Installed	Length	Qtr Sec	No. of	f Breaks	Previous Index No.	
2010-0459	E VIENNA AV N HUBBARO ST	N RICHARDS ST		1.034	8	1956	290	273	3	1 2002	2009-0454	\$63800
	W NASH ST N 98TH ST	N 99TH ST		1.034	8	1953	290	261	3	3 2004 0 0	2009-0455	\$63800
2010-0461	S 14TH ST KINNICKINNIC RIVER	15' N/O W CLEVELAND AV		1.031	6	1910	485	496	5	1 1989 3 1979	2009-0457	\$106700
2010-0462	W BURLEIGH ST (S/S) N 88TH ST	N 90TH ST		1.029	8	1949	680	302	7		2009-0459	\$149600
2010-0463		W ORIOLE DR		1.029	6	1953	1360	170	14		2009-0458	Limits Changed 2007 \$299200
2010-0464	W LAPHAM ST S 36TH ST	S 37TH ST		1.026	8	1923	390	457	4		2009-0460	\$85800
2010-0465		W COURTLAND AV		1.026	8	1956	780	225	8		2009-0464	\$171600
2010-0466	W STARK ST N TEUTONIA AV	N 29TH ST		1.026	6	1939	390	207	4		2009-0463	\$85800
2010-0467		400° E/O S BRUST AV		1.026	6	1949	390	592	4		2009-0462	\$85800
2010-0468	W EDEN CT S MASSACHUSETTS AV	160° W/O S MASSACHUSETTS AV		1.026	6	1956	195	558	2		2009-0461	\$42900
2010-0469	N 70TH ST W VIENNA AV	W MELVINA ST		1.022	6	1953	685	264	7	1 2007 1 1991	2009-0465	\$150700
		S 64TH ST		1.020	6	1958	490	603	5		2009-0468	\$107800
2010-0471	S 70TH ST W DAKOTA ST	W KINNICKINNIC RIVER PK		1.020	6	1950	490	515	5	000	2009-0467	\$107800
2010-0472	S 70TH ST W BURDICK AV	200' S/O W OHIO ST		1.020	8	1954	490	528	5	1 1991 2 1989	2009-0466	\$107800
2010-0473	W BURDICK AV PED-WAY NE/O S 63RD ST	S 63RD ST		1.017	8	1952	688	529	7	1 2007 1 2005	2009-0469	\$151360
201 <b>0-047</b> 4	W VERONA CT N 77TH ST	N 79TH ST		1.017	8	1956	590	527	6	1 2009 1 2008	2009-0470	\$129800
2010-0476	W GOOD HOPE RD (S/S) N PARK MANOR DR	N 98TH ST		1.016	6	1962	1280	116	13	3 2008 1 2007	2009-047 t	\$281600
	S 86TH ST WOHIO AV	W HOLT AV	2010-644	1.014	8	1958	690	526	7	1 2007 1 2003	2009-0473	\$151800
2010-0477	W MELVINA ST N 63RD ST	N 65TH ST		1.014	8	1956	690	265	7	2 2008 2 2007	2009-0472	\$151800
2010-0478	N 95TH ST 270' N/O W CONCORDIA ST	W TOWNSEND ST		1.000	6	1950	500	294	5	2 2008 1 2007	2009-0505	\$110000
<b>2010-047</b> 9	S NEW YORK AV S OKLAHOMA AV	S FERNWOOD AV		1.000	6	1914	500	541	5	1 2004 1 1994	2009-0512	\$110000
2010-0480	S 17TH ST W JEWELL AV	W WOOD AV		1.000	8	1959	700	716	7	2 2005 0 0	2009-0485	\$154000
2010-0481	S QUINCY CT E WILBUR AV	215' S/O E WILBUR AV		1.000	6	1954	200	548		1 2004 0 0	2009-0475	Relay to the 8 x 6 reducer south of the cross. \$4400
2010-0482	N LAKE DR E NEWBERRY BV	E LOCUST ST		1.000	8	1894	600	317	6	1 2004 1 2002	2009-0482	\$132000
2010-0483	E WASHINGTON ST WILS BARCLAY ST	S WATER ST		1.000	8	1875	500	430	5	2 1974 1 1963	2009-0529	\$110000
2010-0484	N 91ST ST WAUER AV	W CONCORDIA AV		1.000	6	1949	600	293	6	1 2002 2 1997	2009-0500	\$132000
2010-0485	W MICHIGAN ST N 91ST ST	N 92ND ST		1.000	6	1952	400	408		1 2009 0 0	2009-0525	\$88000
2010-0488	N 31ST ST WCLYBOURN ST	W MICHIGAN ST	2010-645	1.000	6	1889	500	401	5	1 2005 1 2003	2009-0476	\$110000
2010-0487	W LAKEFIELD DR	W RUSKIN ST		1.000	6	1950	600	532	6	1 2008 1 2007	2009-0506	\$132000
2010-0488	W SUMAC PL W KINNICKINNIC RIVER PK	W MONTROSE AV(E)		1.000	8	1948	1000	492	10	1 2007 1 2003	2009-0495	\$220000
2010-0489		W SILVER SPRING DR		1.000	8	1954	300	188	3	1 2001 1 1989	2009-0504	\$66000
2010-0490	N 24TH ST WILLOYD ST	W GARFIELD AV		1.000	8	1892	500	350	5		2009-0492	\$110000



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Index No	Location of Project		Water Main Replacement	Breaks per 100 ft	Size	Year Installed	Length	Qtr Sec	No o	f Breaks	Previous Index No.		
2010 <b>-049</b> 1	N 40TH ST W CHERRY ST	W GALENA ST		1.000	6	1904	500	366	5	1 200	22009-0498		\$110000
2010- <b>049</b> 2		300' N/O W CAPITOL DR		1.000	6	1954	300	254	3		2009-0517		\$66000
2010-0493		W FAIRMOUNT AV		1.000	8	1957	300	216		0	2009-0519		\$66000
2010-0494		S BAY ST		1.000	6	1892	400	500	4	-	4 2009-0488		\$88000
2010-0495		E KNAPP ST		1.000	6	1873	400	360	4	2 200 0	2009-0523		S
2010-0496	W CROSSFIELD AV W DOUGLAS AV			1.000	8	1957	500	152	5	1 200	2009-0494		\$110000
	N PRENTISS ST	W SHERIDAN AV		1.000	8	1955	500	188	5	1 200 1 199	3 2009-0515		\$110000
-	E BRADFORD AV	N PROSPECT AV		1.000	6	1902	300	319	3		2009- <b>04</b> 97		\$66000
2010-0499		W LINCOLN CREEK DR		1,000	6	1954	800	227	8	1 200	8 2009-0509		\$176000
2010-0500		W COLONIAL DR		1.000	6	1949	600	301	6	1 200 1 200	8 2009-0490		\$132000
2010-0501	W HARRISON AV N 61ST ST	S 62ND ST	2010-637	1.000	8	1952	300	490	3		8 2009-0514		\$99000
2010-0502		E POLK ST		1.000	6	1880	300	429		1 198 0	2009-0491		\$66000
2010-0503	N 19TH PL W FAIRMOUNT AV	W EGGERT PL		1.000	6	1930	900	205	9	1 200 1 200	6 2009-0527		\$198000
2010-0504	S CALIFORNIA ST 300' N/O E MORGAN AV	E MORGAN AV		1.000	6	1927	300	539	3	1 200 0	1 2009-0487		\$66000
2010-0505	S 24TH ST W LAPHAM ST	W MITCHELL ST		1.000	6	1901	600	459	6	1 200 1 200	7 2009-0502		\$132000
	W BECHER ST S 5TH PL	25' W/O S 6TH ST		1.000	8	1890	300	467	3	2 198 1 197	2009-0510		\$66000
2010-0507	N DR MARTIN L KING JR D W KEEFE AV	R N 7TH ST		1.000	6	1914	900	272	9	3 200 5 200	3 2009- <b>0</b> 483		\$198000
2010-0508	W GARFIELD AV	N 48TH ST		1.000	6	1910	300	347		1 200 0	2009-0503		\$66000
201 <b>0-0509</b>	W WARNIMONT CT S 66TH ST	160' W/O S 68TH ST		1.000	6	1957	200	557		0	2009-0513		\$44000
2010-0510	W HOLT CT	W MORGAN AV		1.000	8	1955	700	528	7	1 200 2 200	6 2009-0474 3		\$154000
20 <b>10-051</b> 1	N NEWHALL ST E LINNWOOD AV	E KENWOOD BV		1.000	6	1913	600	315	6	2 200 1 199	5 2009-0479		\$132000
2010-0512	N JEFFERSON ST E BUFFALO ST	E CHICAGO ST		1.000	6	1902	500	396	5	1 199 1 199	9 2009-0518 7		\$110000
2010-0513	W HAMPTON AV N 32ND ST	300' W/O N 32ND ST		1.000	8	1955	300	207	3	2 199 1 197	7 2009-0478		\$66000
2010-0514	N 49TH ST W CONGRESS ST	400' N/O W CONGRESS ST		1.000	8	1954	400	228	4	1 200 1 200	2 2009-0484 1		\$88000
2010-0515	N 57TH ST W CONGRESS ST	W RUBY AV		1.000	6	1952	700	227	7	1 200 2 200	5 2009-0526		\$154000
2010-0516	N 2ND ST W WELLS ST	N PLANKINTON AV		1.000	6	1873	200	392	2	1 197 1 195	2009-0508	1	\$44000
2010-0517	W WASHINGTON ST S 10TH ST	S 11TH ST		1.000	6	1891	400	432	4	1 200 0	5 2009-0511		Relay to 8" x 6" reducer at S. 11th St. (1997) \$88000
2010-0518	N 10TH ST W CONCORDIA AV	W KEEFE AV		1.000	6	1894	1000	283	10	2 200 1 200	8 2009-0499		\$220000
2010-0519	W LYNNDALE AV S 48TH ST	S 50TH ST	2009-156	1.000	6	1953	700	555	7	1 200 2 200	8 2009-0501		\$154000
2010-0520	E LOCUST ST N STOWELL AV	N DOWNER AV		1.000	8	1950	300	316	3	1 199 0	6 2009-0507		\$66000
2010-0521	S 86TH ST W BURDICK AV	W OHIO AV		1.000	8	1958	300	526	3	1 200 1 198	1 2009-0493 B		\$66000
	W KNEELAND ST N 13TH ST	N 14TH ST		1.000	6	1886	400	363	4		2 2009-0516		\$88000
	S 28TH ST W BARNARD AV	300' S/O W BARNARD		1.000	6	1955	300	623	3	1 200 1 197	1 2009-0480		\$66000

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Index No	Location of Project		Water Main Replacement	Breaks per 100 ft.	Size	Year Installed	Length	Qtr Sec	No. of	Breaks	Previous tndex No.	
2010-0524	N 30TH ST W MELVINA PL	W CAPITOL DR		1.000	6	1929	600	269	6	1 2009 1 2004	2009-0520	\$132000
2010-0525		W MEDFORD AV		1.000	8	1954	300	187	3	1 1991 1 1971	2009-0477	\$66000
2010-0526	W CAPITOL DR (S/S) 370° E/O N 96TH ST	N 96TH ST		1.000	8	1956	400	261	4		2009-0489	\$88000
	W PIERCE ST S 4TH ST	S 5TH ST		1.000	6	1912	400	428	4		2009-0486	\$88000
2010-0528	W GRANTOSA DR N 76TH ST	N 77TH ST		1.000	8	1954	300	213	3	1 2002	2009-0526	\$66000
2010-0529		800' W/O N 13TH ST		1.000	8	1938	300	195	3	0 0	2009-0522	S
2010-0530	- · · · · · · · · · · · · · · · · · · ·	W BELOIT RD		1.000	8	1957	500	525	5	2 2009 1 2007	2009-0524	\$110000
2010-0531	2010 I	350' S/O W UNCAS AV		1.000	8	1963	500	687	5		2009-0496	\$110000
<b>2010-053</b> 2		W WALKER ST		1.000	6	1873	400	431	4		2009-0521	\$88000
2010-0533	W METCALF PL 180° E/O N 96TH ST	N 97TH ST		0.996	6	1950	502	261			2009-0530	\$110440
2010-0534		W HARRISON AV		0.990	6	1951	505	490	5	-	2009-0531	\$111100
2010-0535		W MELVINA ST		0.989	6	1955	910	264	9	2 2005 2 2003	2009-0532	\$200200
2010-0536	W CANAL ST N 16TH ST	N EMMBER LN		0.986	12	1919	710	399	7		2009-0534	\$156200
2010-0537	N 26TH ST W WALNUT ST	W GALENA ST		0.986	6	1889	710	364			2009-0533	\$156200
2010-0538		E VIENNA AV		0.986	6	1916	710	274	7		2009-0535	1999-007 deleteed \$156200
2010-0539		W BOBOLINK ST		0.984	6	1956	610	174	6		2009-0817	\$134200
2010-0540		N LAKE DR		0.984	8	1894	610	317	6		2009-0536	\$134200
2010-0541	W CRAWFORD AV S 85TH ST	S 86TH ST	2010-004	0.984	8	1957	305	560	3	1 2007 1 2001	2009-0537	\$67100
2010-0542	W BRENTWOOD AV 780' N/O W MILL RD	N 78TH ST		0.980	6	1959	510	142	5		2009-0540	\$112200
2010-0543		W CARMEN AV		0.980	6	1958	1020	177	10	1 1999 2 1996	2009-0538	\$224400
2010-0544		W NORTH AV		0.980	6	1901	510	348	5		2009-0539	\$112200
2010-0545		N SHEPARD AV		0.977	4	1894	307	317	3		2009-0541	\$67540
2010-0546	W STACK DR N 60TH ST	W STACK CT		0.976	8	1954	615	514	6	1 2009 1 2005	2009-0542	\$135300
2010- <b>054</b> 7	W STARK ST N SHERMAN BV	N 45TH ST		0.969	8	1946	619	209	6		2009-0543	\$136180
2010-0548	W KIEHNAU AV N 83RD ST	N 84TH ST		0.968	8	1956	310	142	3	1 2008	2009-0548	\$68200
2010- <b>0549</b>		W STARK ST		0.968	6	1954	620	210	6		2009-0545	\$136400
2010-0550	W OHIO AV W RIVER BEND DR	N 75TH ST		0.968	6	1955	620	528	6		2009-0551	 \$136400
2010-0551		W SILVER SPRING DR		0.968	6	1950	620	190	6		2009-0547	\$136400
<b>2010-055</b> 2		W MAPLE ST		0.968	6	1887	310	461	3	1 2007	2 <b>0</b> 09-0553	\$68200
2010-0553		W TOWNSEND ST	-	0.968	6	1947	620	294	6	1 2005 1 1993	2009-0549	\$136400
2010-0554		W LUSCHER AV		0.968	8	1956	310	213	3		2009-0552	\$68200
2010-0555	W BOW ST S MUSKEGO AV	S PEARL ST		0.968	6	1907	310	460	3		20 <b>09-</b> 0550	\$68200
2010-0556		W FLORIST AV		0.968	6	1957	620	174	6		2009-0546	\$136400
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No	A		Replacement		-					1 2000			\$159500
2010-0557	W WARNIMONT AV	W WILBUR AV		0.966	8	1949	725	552	7	2 2007	1		
2010-0558	W SCOTT ST	W GREENFIELD AV		0.966	6	1890	725	434	7	1 2005 2 2002	2009-0554		\$159500
2010-0559	W LOCUST ST W FOND DU LAC AV	N 30TH ST		0.964	6	1907	415	309	4	1 2001 1 1992	2009-0555		\$91300
2010-0560	W LINCOLN AV S 20TH ST	S 21ST ST		0.964	6	1895	415	470	4	2 2007 0 0	2009-0556		\$91300
2010-0561	N 49TH ST W FAIRMOUNT AV	W EGGERT PL		0.963	8	1949	935	209	9	1 2009	2009-0758		\$205700
2010-0562	S 33RD ST W PAINE ST	W VERONA CT		0.962	8	1953	520	533	5	1 2007	2009-0557		\$114400
2010-0563	W MEDFORD AV N 70TH ST	N 71ST ST		0.962	8	1956	520	212	5	2 1989 1 1987	2009-0558		\$114400
2010-0564		E WATERFORD AV		0.960	6	1953	625	585	6		2009-0851		\$137500
2010-0565	W HAMPTON AV N 48TH ST	N 50TH ST		0.960	8	1959	625	228	6	1 2009	2009-0560		\$137500
2010-0566		680' S/O W HAMPTON AV		0.960	8	1955	625	227	6		2009-0561		\$137500
2010-0567		N ASTOR ST		0.959	6	1873	730	359	7		2009-0564		\$160600
2010-0568		W STEVENSON ST		0.959	6	1930	730	406	7	1 1986	2009-0562		\$160600
<b>2010-056</b> 9		W VILLARD AV		0.959	8	1946	730	208	7		2009-0563		\$160600
<b>2010-057</b> 0	W CRAWFORD AV S 51ST ST	S 54TH ST	2010-409	0.957	8	1955	940	556	9		2009-0565		\$206800
	N 37TH ST W HAMPTON AV	W STARK ST		0.952	6	1919	630	208	6		2009-0577		\$138600
	N 38TH ST W CHAMBERS ST	W BURLEIGH ST		0.952	6	1916	630	308	6		2009-0571		\$138600
2010-0573		W ROGERS ST	2010-628	0.952	6	1885	630	469	6	3 1994 1 1992	2009-0569		\$138600
2010-0574	W WARNIMONT AV S 77TH ST	S 78TH ST		0.952	6	1958	315	559	3	1 2009	2009-0574	1	S
	E EUCLID AV E ADAMS AV	E QUINCY AV		0.952	8	1925	315	538	3	1 1994	2009-0570		\$69300
	N 67TH ST W VIENNA AV	W MELVINA ST		0.952	8	1955	630	265	6	1 2002	2009-0576		\$138600
	W MONROVIA AV N 89TH ST	W BENDER AV		0.952	8	1957	420	152	4	1 2003 1 2000	2009-0575		\$92400
	W BOBOLINK AV N 27TH ST	N 29TH ST		0.952	8	1950	630	170	6		2009-0568		\$138600
	N 60TH ST W NASH ST	W VIENNA AV		0.952	8	1946	630	265	6	1 1999	2009-0566		\$138600
2010-0580		S PACKARD AV		0.952	6	1952	420	585	4		2009-0578		\$92400
2010-0581		S HERMAN ST		0.952	8	1955	630	582	6	1 2006	2009-0579		\$138600
2010-0682		W COURTLAND AV		0.952	8	1956	735	225	7	1 2006	2009-0567		\$161700
<b>2010-058</b> 3		W EUCLID AV		0.952	8	1957	630	52 <del>9</del>	6		2009-0581		\$138600
2010-0584		W MORGAN AV		0.952	8	1955	630	528	6		2009-0573		\$138600
2010-0585	W STACK DR S 58TH ST	S 60TH ST		0.952	8	1952	315	513	3		2009-0572		\$81400
2010-0586		W GRANGE AV		0.951	16	1958	1262	642	12	2 2009 1 2005	2009-0582		\$277640
2010-0587	W GLENDALE AV	N 87TH ST		0.950	8	1957	1053	223	10		2009-0583		\$231660
	N 94TH ST WBLUE MOUND RD	W WISCONSIN AV		0.947	8	1950	950	409	9		2009-0584		\$209000
	N 60TH ST W BOBOLINK AV	W FLORIST AV		0.945	6	1957	635	174	6		2009-0585		\$139700

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2010-0590	N 61ST ST W MELVINA ST	W CAPITOL DR		0.945	6	1955	635	265	6	1 2006	2009-0586	\$139700
2010-0591		S 71ST ST		0.945	6	1953	635	604	6	1 2009	2009-0588	\$139700
2010-0592	W RUBY AV N 85TH ST	N 87TH ST		0.945	8	1956	635	223	6	1 2009	2009-0587	\$139700
2010-0593	N 72ND ST WLEON TR	W VILLARD AV		0.943	6	1956	530	212	5	1 2001	2009-0589	\$116600
2010-0594	N 27TH ST (W/S) W WISCONSIN AV	W WELLS ST		0.943	12	1934	530	388	5	1 2004	2009-0595	\$116600
2010-0595	N 19TH ST W MCKINLEY AV	W VLIET ST		0.943	6	1893	530	363	5	1 2004 1 1972	2009-0592	\$116600
2010-0596	N 25TH ST W VINE ST	W BROWN ST		0.943	6	1892	530	350	5	1 2007 1 2004	2009-0591	\$116600
2010-0597	S TAYLOR AV E HOLT AV	E MORGAN AV		0.943	6	1929	530	538	5	1 1996 2 1995	2009 <b>-0</b> 590	\$116600
2010-0598	N 29TH ST W WISCONSIN AV	W WELLS ST		0.943	6	1888	530	388	5	1 2002 2 1980	2009-0594	\$116600
2010-0599	N 24TH PL W VINE ST	W BROWN ST		0.943	6	1891	530	350	5	1 2002	2009-0593	\$116600
2010-0600	N 74TH ST W MARION ST	W CONGRESS ST		0.942	8	1955	637	251	6	1 2008	2009-0596	\$140140
2010-0601		E NORTH AV		0.941	6	1885	425	354	4	1 2008 2 1988	2009-0599	\$93500
2010-0602	W WREN AY N 32ND ST	N 34TH ST		0.941	8	1950	425	170	4	2 2008	2009-0597	\$93500
2010-0603	W HERBERT AV W COURTLAND AV	N 88TH CT		0,941	8	1958	425	223	4	2 2009 1 2008	2009-0600	\$
2010-0604		W HOPE AV		0.941	8	1955	850	252	8	1 2007	2009 <b>-0</b> 598	\$187000
2010-0605		E BAY ST		0.939	6	1887	1065	466	10	1 2003 1 2001	2009-0601	\$234300
2010-0606	W CAPITOL DR N 68TH ST	N 69TH ST		0.938	8	1955	320	264	3	1 2002	2009-0617	\$70400
2010-0607		W WHITAKER AV		0.938	8	1957	320	597	3	0 0	2009-0604	\$
2010-0608	W MEINECKE AV N 36TH ST	N 37TH ST		0.938	6	1907	320	327	3	1 2001	2009-0614	1995 PAVING \$704
	W MELVINA ST N 85TH ST	N 86TH ST		0.938	8	1954	320	262	3	1 1987 2 1985	2009-0613	\$70400
2010-0610	W HARRISON AV S 70TH ST	S 71ST ST	6	0.938	8	1951	320	489	3	0 0	2009-0608	\$70400
2010- <b>0611</b>	W SHERIDAN AV N 69TH ST	N 72ND ST		0.938	8	1954	960	188	9	1 2009	2009-0607	\$211200
2010-0612	W WALNUT ST N 25TH ST	N 26TH ST		0.938	6	1890	640	364	6	1 2004 1 1995	2009-0616	\$140800
2010- <b>0613</b>	W PLAINFIELD AV S 63RD ST	S 64TH ST	2010-634	0.938	6	1958	320	572	3	0 0	2009-0603	\$70400
2010- <b>0614</b>	S 22ND PL W LAYTON AV	W BARNARD AV		0.938	6	1956	640	623	6	1 2003 1 2002	2009-0619	\$140800
2010-0615		W EDGERTON AV		0.938	8	1962	320	623	3	1 2004 0 0	2009-0610	\$70400
2010-0616	W SWAN CR N 91ST ST	N 92ND ST		0.938	8	1959	320	178	3	1 1996 0 0	2009-0602	\$70400
2010-0617		280' S/O W FIEBRANTZ AV		0.938	6	1929	320	244	3	1 1995 1 1988	2009-0611	\$70400
2010-0618		W STACK DR		0.938	8	1952	640	514	6	1 2006	2009-0609	\$140800
2010-0619	N 87TH ST WAUER AV	W CONCORDIA AV	2010-022	0.938	6	1949	640	293	6	1 2006 1 2002	2009-0612	\$140800
2010-0620		W HOLT AV	2010-643	0.938	8	1958	640	526	6		2009-0605	\$140800
2010-0621		W MONTANA ST		0.938	6	1954	320	514	3		2009-0620	\$70400
2010-0622	S HERMAN ST E SAVELAND AV	E TRIPOLI AV		0.938	6	1948	640	547	6		2009-0606	\$140800

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Index No	Location of Project		Water Main Replacement	Breaks per 100 ft.	Size	Year Installed	Length	Qtr Sec	No. c	of Breaks	Previous Index No.	
	W PIERCE ST S 35TH ST	S 36TH ST	Replacement	0.938	6	1920	320	436	3	0 0	2009-0615	\$70400
2010-0624		E HOWARD AV		0.938	8	1954	640	548	6		2009-0618	\$140800
2010-0625	W BRUCE ST S 10TH ST	S 11TH ST	0	0.937	6	1879	427	427	4		2009-0621	\$93940
2010-0626		E LOCUST ST		0.935	6	1900	535	316	5		2009-0622	\$117700
<b>2</b> 01 <b>0-06</b> 27	W EUCLID AV S 66TH ST	S 68TH ST		0.933	8	1952	750	529	7		2009-0624	\$165000
2010-0628		W KEEFE AV		0.933	6	1952	750	292	7		2009-0623	\$165000
2010-0629	W GREEN AV S 31ST ST	W IONA TR		0.933	8	1957	643	668	6		2009-0625	\$141460
2010-0630		W FOND DU LAC		0.930	6	1952	430	249	4		2009-0626	\$94600
2010-0631		E WISCONSIN AV		0.930	6	1879	430	396	4		2009-0628	\$94600
2010-0632	W FOND DU LAC AV	N DENMARK ST		0.930	8	1959	430	151	4		2009-0629	\$94600
2010-0633		425' S/O W MORGAN AV		0.930	8	1952	430	552	4	1 2006	2009-0627	\$94600
<b>2</b> 01 <b>0-063</b> 4	N 67TH ST W GLENDALE AV	W COURTLAND AV		0.927	8	1957	755	226	7	1 200	2009-0630	\$166100
2010-0635		W KEEFE AV		0.926	6	1949	540	292	5		2009-0631	\$118800
2010-0636		W HOLT AV		0.923	8	1951	650	529	6	1 2001	2009-0638	\$143000
2010-0637	N 71ST ST W CARMEN AV	W BOBOLINK AV		0.923	6	1954	650	175	6	2 1989	2009-0649	LIMITS CHANGE 2003 \$143000
2010-0638	N 92ND ST (W/S) W CENTER ST	W HADLEY ST		0.923	8	1952	650	301	6		2009-0633	\$143000
2010-0639	E LINUS ST S KINNICKINNIC AV	S WOODWARD ST		0.923	6	1891	650	499	6	1 199	2009-0635	\$143000
<b>2</b> 010-0640	W BARNARD AV S 13TH ST	S 14TH ST		0.923	8	1957	325	624	3	0 0	2009-0648	\$71500
2010-0641	W HAMPTON AV N 79TH ST	N 81ST ST		0.923	8	1957	650	224	6	2 2007	2009-0632	\$143000
2010-0542	N 92ND ST (E/S) W CENTER ST	W HADLEY ST		0.923	8	1929	650	302	6	1 200	2009-0634	\$143000
2010-0643	W CRAWFORD AV S 48TH ST	S 50TH ST	2009-154	0.923	8	1955	650	555	6	2 2003 1 2002	2009-0643	\$143000
2010-0644	N 65TH ST W BOBOLINK AV	W FLORIST AV		0.923	6	1954	650	174	6	1 2004	2009-0646	\$143000
2010-0645	N 65TH ST W SILVER SPRING DR	W THURSTON AV		0.923	6	1951	650	174	6	1 200 1 199	200 <b>9-0</b> 645	\$143000
2010-0646	N OLD WORLD THIRD ST 215' NO W KILBOURN AV	W KILBOURN AV		0.923	6	1873	325	392	3	0 0	2009 <b>-0</b> 64 t	Relay to reducer at S/L of W. Kilbourn Ave. \$71500
<b>2010-064</b> 7	N 17TH ST WCLARKE ST	W WRIGHT ST		0.923	6	1892	650	324	6	1 1997	2009-0636	\$143000
201 <b>0-0648</b>	S 55TH ST W VERONA CT	W MORGAN AV		0.923	6	1954	325	530	3	0 0	2009-0637	\$71500
201 <b>0-0649</b>	S 54TH ST W CRAWFORD AV	W HOWARD AV	2010-410	0.923	6	1953	650	556	6	1 2007	2009-0644	\$143000
2010-0650	N 28TH ST W MEINECKE AV	W WRIGHT ST		0.923	6	1895	650	326	6	1 1997	2009-0639	\$143000
2010- <b>0651</b>	S 1ST ST WORCHARD ST	W LAPHAM BV		0.923	8	1959	650	462	6	1 2003 0 0	2009-0640	\$143000
2010-0652	S 13TH ST WHOLMES AV	W EDGERTON AV		0.923	12	1956	650	624	6	1 200 2 2007	2009-0647	\$143000
<b>20</b> 10 <b>-055</b> 3	N 69TH ST W FIEBRANTZ AV	W HOPE AV		0.923	6	1954	650	251	6	2 2009 1 2008	2009-0642	\$143000
2010-0654	W WILBUR AV	W TRIPOLI AV		0.918	8	1957	980	560	9	2 2005 2 2005	2009-0651	\$215600
2010-0665	N 79TH ST W COURTLAND AV	W HAMPTON AV		0.916	8	1958	655	224	6	1 2007 1 2000	2009-0652	\$144100

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	E IDAHO ST S LOGAN AV	S HERMAN ST		0.909	6	1900	330	504	3	2 1982 0 0	2009-0658	\$72600
2010-0657	W IONA TR 35' WO S 31ST ST	S MELINDA ST		0.909	8	1957	880	668	8	2 2009	2009-1090	\$193600
2010-0658		W MONTANA ST		0.909	6	1956	660	514	6		2009-0660	\$145200
010-0659	N 66TH ST W FIEBRANTZ AV	W HOPE AV		0,909	8	1955	660	250	6		2009-0657	\$145200
2010-0660	N HOPKINS ST W DOUGLAS AV	W WOOLWORTH AV		0,909	8	1949	1320	157	12		2009-0676	\$290400
010-0661	W MANITOBA ST S 9TH ST	S 10TH ST		0,909	6	1913	330	507	3	2 2000 1 1996	2009-0670	\$72600
010-0662	W KATHRYN AV N 77TH ST	W HERBERT AV		0.909	8	1954	330	213	3		2009-0653	\$72600
	N 88TH ST W CONGRESS ST	W LAWRENCE AV		0.909	8	1956	330	223	3		2009-0675	\$72600
010-0664		N 7TH ST		0.909	6	1910	440	283	4		2009-0673	\$96800
010-0666	S 1ST ST E GREENFIELD AV	E ORCHARD ST		0.909	8	1959	330	462	3	2 2008 0 0	2009-0659	\$72600
010-0666	W ORIOLE DR N 34TH ST	N 35TH ST		0.909	8	1950	330	170	3		2009-1297	\$72600
010-0667	N 78TH ST W BURLEIGH ST	W AUER AV		0.909	6	1950	550	292	5		2009-0667	\$121000
	W LISBON AV (S/S) N 92ND ST	N WILLIS PL		0.909	8	1950	660	261	6		2009-0661	\$145200
	W RUSKIN ST S 36TH ST	S 38TH ST		0.909	6	1950	550	532	5		2009-0656	\$121000
	W NASH ST N 13TH ST	N 14TH ST		0.909	6	1918	330	271	3	0 0	2009-0671	\$72600
010-0671	W CRAWFORD AV S 86TH ST	S 87TH ST	2010-004	0.909	8	1957	330	560	3	1 2007	2009-0674	\$72600
	N 38TH ST W VILLARD AV	W ROHR AV		0.909	6	1921	660	192	6		2009-0665	\$145200
	W BELOIT RD S 92ND ST	S 93RD ST		0.909	8	1957	550	525	5		2009-0672	\$121000
	W VERA AV N PARK MANOR DR	N 97TH ST		0.909	6	1962	770	116	7		2009-0669	\$169400
	W MARION ST N 89TH ST	N 90TH ST		0.909	8	1956	330	253	3		2009-0676	\$72600
010-0676		E LOCUST ST		0.909	6	1891	660	313	6		2009-0663	\$145200
010-0677		W HOWARD AV	2009-155	0.909	8	1953	550	555	5		2009-0666	\$121000
010-0678		W MORGAN AV	2010-644	0.909	8	1957	660	526	6	• •	2009-0677	\$145200
010-0679		300' N/O W ARTHUR AV		0.909	6	1899	440	497	4	<u> </u>	2009-0664	\$96800
010-0680		W CONGRESS ST		0.909	6	1957	550	248	5		2009-0662	\$121000
010-0661	W FAIRMOUNT AV N 62ND ST	N 63RD ST		0.909	8	1951	330	211	3		2009-0668	\$72600
010-0682		N BROADWAY		0.909	6	1910	550	396	5		2009-0655	QS 396 \$121000
010-0683				0.903	8	1955	775	528			2009-0679	\$170500
010-0684	N 70TH ST W CAPITOL DR	W FIEBRANTZ AV	5.4	0.902	6	1955	665	251	6		2009-0681	\$146300
010-0685		W CLARK ST		0.902	6	1914	665	328	6		2009-0682	\$146300
010-0686		W MONTANA ST	1	0.902	6	1950	665	515	6	1 2007 2 2005	2009-0660	\$146300
010-0687		1000° E/O N LAKE DR		0.900	6	1900	1000	278	9	2 2005 1 2008 1 2005	2009-0683	\$220000
010-0688	W FOND DU LAC AV (N/S) W BALDWIN ST	W ARMITAGE AV		0.899	8	1956	890	226	8		2009-0685	\$195800

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Index No	Location of Project		Water Main Replacement	Breaks per 100 ft	Size	Year Installed	Length	Qtr Sec	No. o	of Breaks	Previous Index No.		
	W FOND DU LAC AV N 36TH ST		Replacement	0.899	8	1956	445	287	4	0 0	2009-0684		\$97900
	W BIRCH AV N 57TH ST	N 37TH ST		0.896	6	1955	335	190	3	0 0	2009-0688	I	\$73700
2010-0691		N 58TH ST		0.896	8	1956	670	560	6	3 2004	2009-0694		\$147400
2010-0692		W WARNIMONT AV		0.896	6	1951	670	190	6	1 2003 1 2002	2009-0693		\$147400
2010-0693	W ROHR AV (EXT'D) W STARK ST N 67TH ST	W CUSTER AV	· · · · · · ·	0.896	8	1956	335	211	ļ	1 1996	2009-0687		\$73700
	W RUBY AV N 82ND ST	N 68TH ST		0.896	8	1956	335	224	3	1 2001	2009-0690		\$73700
		N 83RD ST		0.896	8	1954	670	530	6	0 (	2009-0691		\$147400
2010-0696		S 55TH ST		0.896	6	1904	670	309	6	2 2009	2009-1316		\$147400
2010-0697	W HADLEY ST	W LOCUST ST		0.896	6	1948	335	396	3	1 2000	2009-0692		\$73700
	N MILWAUKEE ST	N JEFFERSON ST								0 (	2009-0689		\$73700
	N 23RD ST	N 24TH ST		0.896	6	1889	335	389	3	0 (			
2010-0699	N 33RD ST	N 34TH ST		0.896	8	1957	335	170	3	0 (			\$73700
2010 <b>-0700</b>	N 60TH ST (W/S) W THURSTON AV	W CARMEN AV		0.892	6	1953	785	174	7	1 2008	2009-0695		\$172700
2010-0701	N 67TH ST W STARK ST	W LANCASTER AV		0.891	6	1956	1010	211	9	1 2007	2009-0696		\$222200
2010-0702	4.4.4	E SAVELAND AV		0.889	6	1933	675	546	6	1 200	2009-0706		\$148500
<b>2010-070</b> 3	W STACK DR S 53RD ST	S 54TH ST		0.889	8	1951	450	513	4		2009-0704		\$99000
	N 56TH ST WLEON TR	W CONGRESS ST		0.889	8	1952	225	249	2	0 0	2009-0705	<u> </u>	\$49500
	W BOBOLINK AV	N 70TH ST		0.889	8	1957	675	175	6	3 2008	2009-0707		\$148500
	N 6TH ST (E/S) W MICHIGAN ST	W WISCONSIN AV		0.889	6	1958	450	391	4	0 0	2009-070 t		\$99000
2010-0707	N 35TH ST W SHERIDAN AV	W CUSTER AV		0.889	6	1903	675	192	6	1 198	2009-0700		\$148500
2010-0708	the second se	W VINE ST		0.889	6	1873	450	353	4	1 198	2009-0699	43	\$99000
2010-0709	W VOGEL CT S 18TH ST	190' W/O S 18TH ST		0.889	6	1960	225	624	2	1 2005	2009-0703		\$49500
2010-0710	W WISCONSIN AV	N 31ST ST		0.889	8	1873	450	388	4	2 1997	2009-0698		\$99000
-	S LOGAN AV S WHITNALL AV	E WHITAKER CT		0.889	6	1954	675	582	6	0 0	2009-0708		\$148500
2010-0712		E DOTY PL		0.889	6	1955	450	582	4	1 1994	2009-0697		\$99000
2010-0713	W CAPITOL DR N 62ND ST	N 64TH ST	2010-010	0.889	8	1955	675	265	6	1 2006	2009-0702		\$148500
-	W CLYBOURN ST (N/S) N 22ND ST	350' E/O N 25TH ST		0.886	8	1917	790	400	7		2009-0709		1994 AC PAVING GUARANTEE TO 1997
2010-0715	E TOWNSEND ST N RICHARDS ST	N BUFFUM ST		0.882	6	1900	340	281	3		2009-0725		\$74800
	W HENRY AV S 19TH ST	S 20TH ST		0.882	6	1961	340	689	3	2 200	2009-0720		\$74800
	W ARMOUR AV S 61ST ST	S 62ND ST		0.882	6	1957	340	603	3	1 2003	2009-0726		\$74800
	W CENTER ST N 28TH ST	N 29TH ST		0.882	8	1892	340	309	3	1 2009	2009-0722		\$74800
ş	W BECHER ST N 32ND ST	N 33RD ST		0.882	8	1925	340	471	3		2009-0715		\$74800
	S ADAMS AV E PLAINFIELD AV	340' S/O E PLAINFIELD AV		0.882	6	1941	340	581	3	· ·	2009-0717		S
	E TRIPOLI AV S RUTLAND AV	S ARCTIC AV		0.882	8	1937	340	546	3	<u> </u>	2009-0719		\$74800

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Index No	Location of Project		Water Main Replacement	Breaks per 100 ft.	Size	Year Installed	Length	Qtr Sec	No_c	of Breaks	Previous Index No.	
2010-0722	E PROVIDENCE AV	N OAKLAND AV		0.882	6	1894	340	280	3	1 1997 1 1977	2009-0716	\$74800
2010-0723		W PALMETTO AV		0.882	6	1957	340	223	3	0 0	2009-0714	\$74800
2010-0724	N 2ND ST W KEEFE AV	W NASH ST		0.882	6	1914	680	273	6	1 1999 1 1996	2009-0710	\$149600
2010-0725	S LOGAN AV 32 NO E BOTTSFORD	E VAN NORMAN AV		0.882	6	1954	680	593	6	2 2002 1 1990	2009-0712	\$149600
2010-0726	W KILBOURN AV N 11TH ST	N 12TH ST		0.882	6	1898	340	391	3	1 1997 0 0	2009-0718	\$74800
2010-0727	W GLENDALE AV N 72ND ST	N 74RD ST		0.882	8	1956	680	225	6	1 1993 1 1988	2009-0723	\$ t49600
2010-0728	W MELVINA ST N 28TH ST	N 29TH ST		0.882	8	1924	340	269	3	1 2005 0 0	2009-0711	\$74800
2010-0729	W FIEBRANTZ AV N 63RD ST	N 64TH ST		0.882	8	1955	340	250	3	1 2003 1 2001	2009-0721	\$74800
2010-0730	N 26TH ST (E/S) W ATKINSON AV	W CONGRESS ST		0.882	6	1922	****	245	3	1 1995 2 1993	2009-0724	2 26TH ST IN QS FIELD CHECK? \$74800.0002
2010-0731	S GRIFFIN AV E PLAINFIELD AV	350' S/O E PLAINFIELD AV		0.882	6	1941	340	581	3	0 0	2009-0713	\$74800
2010-0732	W KAUL AV N 95TH ST	N DENMARK ST		0.87 <del>9</del>	8	1958	910	151	8	1 2007 2 2005	2 <b>00</b> 9-0727	\$200200
2010-0733	N 57TH ST W THURSTON AV	570' N/O W THURSTON AV		0.877	6	1950	570	173	5	2 2009 1 2005	2009-0728	\$125400
2010-0734	W OKLAHOMA AV 250' W/O S 61ST ST	820' W/O \$ 61ST ST		0.877	8	1950	570	514	5	0 0	2009-0728	\$125400
2010-0735	W DEBBIE LA N PARK MANOR DR	N 98TH ST		0.875	6	1962	800	116	7		20 <b>0</b> 9-0730	\$176000
2010-0736	N 95TH ST W SARASOTA PL	W FIEBRANTZ AV		0.875	6	1664	343	254	3	1 2004 0 0	200 <b>9-07</b> 31	\$75460
2010-0737	N 55TH ST W MC KINLEY AV	W VLIET ST		0.870	8	1924	690	368	6	1 2002	2009-0736	\$151800
2010-0738	N 13TH ST W FINN PL	W NASH ST		0.870	6	1911	460	272	4		2009-0735	\$101200
2010-0739	W HOPE AV N SOTH ST	N 61ST ST		0.870	8	1954	345	250	3	1 2001	2009-0737	\$75900
	N 11TH ST W BIRCH AV	W SILVER SPRING DR		0.870	6	1949	460	196	4		2009-0732	\$101200
2010-0741	WAUERAV N78TH ST	N 79TH ST		0.870	8	1949	345	292	3	1 2003 0 0	2009-0733	\$75900
2010-0742	S 31ST ST W PIERCE ST	W NATIONAL AV		0.870	6	1907	690	435	6	1 2001 0 0	2009-0734	\$151800
2010-0743	W HEMLOCK ST N 51ST BV	N 53RD ST		0.865	8	1956	1040	104	9	1 2007 2 2003	2009-0738	\$228800
2010-0744	N 91ST ST W FIEBRANT2 AV	W HOPE AV	2010-001	0.862	8	1956	580	253	5	1 2005 1 2003	2009-0740	\$127600
2010-0745	S 69TH ST W VAN NORMAN AV	W CHAPMAN AV		0.862	6	1960	580	604	5	1 2003 0 0	2009-0742	\$127600
<b>201</b> 0-0746	W FAIRVIEW AV N 59TH ST	175 S/W OF N 60TH ST		0.862	6	1959	580	404	5	0 0	2009-0743	\$127600
2010-0747	W WALNUT ST N 24TH ST	N 25TH ST		0.862	6	1890	580	364	5	1 2007 1 1973	2009-0741	\$127600
2010-0748	N TORONTO ST N 35TH ST	W HOPE AV		0.862	6	1929	1160	247	10		2009-0739	\$255200
2010-0749	S 26TH ST W MANGOLD AV	W ALVINA AV	2011-612	0.860	8	1957	465	690	4		2009-0744	\$102300
201 <b>0-0</b> 750	W OKLAHOMA AV S 43RD ST	S 45TH ST		0.857	8	1928	700	531	6	1 2008	2009-0753	NO SERVICES 44TH ST TO 45TH SUMOVE SERVICES 1
2010-0761	W AUER AY N 35TH ST	N 36TH ST		0.857	8	1926	350	287	3	1 1994 1 1983	2009-0747	\$77000
2010-0752	S 82ND ST W WARNIMONT AV	W WILBUR AV	2011-607	0.857	6	1954	700	559	6	1 2005 0 0	2009-0754	\$154000
2010-0753	W STATE ST N 13TH ST	N 14TH ST		0.857	8	1931	350	390	3	2 1997 0 0	2009-0755	\$77000
2010-0754				0.857	6	1908	350	278	3	1 1998 1 1991	2009-0751	\$77000

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Index No	Location of Project		Water Main Replacement	Breaks per 100 ft	Size	Year Installed	Length	Qtr Sec	No. o	f Breaks	Previøus Index No.	
	W OHIO AV		Replacement	0.857	8	1951	350	529	3	1 1989	2009-0746	\$77000
		S 62ND ST			_				_	2 1981	2009-0749	\$77000
	W STACK DR S 55TH ST	S 56TH ST		0.857	8	1952	350	513	3	1 1983		
2010-0757	N 80TH ST W TOWNSEND ST	W KEEFE AV		0.857	6	1949	700	292	6	2 2000	2009-0748	\$154000
2010-0758	S 97TH ST WEUCLID AV	W OHIO AV		0.857	8	1957	700	525	6	1 2009 1 2007	2009-0750	\$154000
2010-0759	S 15TH CT S AVALON ST	230' W/O S AVALON ST		0.857	6	1962	350	689		0 0	2009-0745	\$
2010-0760	S 37TH CT W PARNELL AV	350' S/O W PARNELL AV		0.857	6	1959	350	667		0 0	2009-0756	\$77000
2010- <b>076</b> 1	W WALKER ST S 5TH ST	S 6TH ST		0.857	6	1896	350	431	3	1 2006 0 0	2009-0752	\$77000
2010-0762	_	W BARNARD AV		0.857	8	1957	350	624	3	0 0	2009-0757	\$77000
2010-0763	W LEON TR W BALDWIN ST	W ARMITAGE AV		0.856	8	1956	935	226	8	2 2001	2009-0759	\$205700
	W KAUL AV N 60ST ST	N 62ND ST		0.855	8	1960	585	155		0 0	2009-0760	\$128700
	N 57TH ST NEDGEWORTH DR	W LUBBE LA		0.854	6	1955	820	084	7		2009-0761	\$180400
	W OLIVE ST N 85TH ST	N 87TH ST		0.853	8	1955	703	253	6		2009-0762	\$154660
2010-0767		PEDWAY (W LAYTON AV)		0.851	6	1959	470	597	4	0 0	2009-0768	\$103400
2010-0768	W HERBERT AV WTALLMADGE PL	N STRATHMORE AV		0.851	8	1954	940	188	8		2009- <b>0</b> 765	\$206800
	W VALLEY FORGE DR (N/S) NHAWLEY RD	N 58TH ST		0.851	8	1928	470	385	4		2009-0766	\$103400
	N 57TH ST W VILLARD AV	W ROHR AV		0.851	8	1951	705	190	6		2009-0763	 \$155100
2010-0771		E PARK PL		0.851	6	1888	470	319	4		2009-0764	\$103400
2010-0772		210' E/O N JOYCE AV		0.851	4	1976	235	033	2		2009-0767	\$51700
2010-0773	W PLAINFIELD AV \$ 20TH ST	S 22ND ST		0.847	6	1953	590	577	5	1 2005	2009-0769	\$129800
2010-0774		E VAN NORMAN AV		0.845	6	1951	710	591	6		2009-0770	\$156200
<b>2010-0775</b>		W CUSTER AV		0.845	8	1954	355	187	3		2009-0772	\$78100
2010-0776		W METCALF PL		0.845	8	1950	355	262	3	<u> </u>	2009-0771	\$78100
2010-0777	W HAMPTON AV N 26TH ST	N 27TH ST		0.845	8	1929	355	206	3		2009-0773	\$79100
2010- <b>07</b> 78		W BOTTSFORD AV		0.843	6	1960	830	600	7	1 2004 1 1997	2009-0774	REPAVED IN 1995 \$182600
2010-0779		N 89TH ST		0.842	6	1956	950	143	8		2009-0780	\$209000
2010-0780		W TAMARACK ST		0.842	8	1929	475	325			2009-0775	\$104500
2010-0781	N 62ND ST W STARK ST	W FAIRMOUNT AV		0.842	6	1951	950	211	8	0 0	2009-0779	\$209000
2010-0782		E WILBUR AV		0.842	8	1950	950	548			2009-0777	Relay from bend S/O the S/L of Morgan to the 8 x 6 reducer
2010-0783		E RESERVOIR AV		0.842	6	1900	475	354	4		2009-0776	\$104500
<b>201</b> 0- <b>0784</b>		E LLOYD ST		0.842	8	1885	475	354	4	•	2009-0778	\$104500
2010-0785	E TRIPOLI AV S CLEMENT AV	S HANSON AV		0.840	6	1949	595	547	5	-	2009-0781	 \$130900
	N 97TH ST W SARASOTA PL			0.837	6	1958	239	254	2		2009-0782	\$52580
	W SARASOTA PL W CHERRY ST 60' E/O N 7TH ST	W FIEBRANTZ AV		0.833	8	1872	120	362			2009-0796	\$26400
	60' E/O N 7TH ST	N 7TH ST			1					0 0	1	

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Index No	Location of Project		Water Main Replacement	Breaks per 100 ft.	Size	Year Installed	Length	Qtr Sec	No. o	of Breaks	Previous Index No.		
	N SHERMAN BL W FAIRMOUNT AV	W LANCASTER AV		0.833	8	1949	600	208	5	1 2003	2009-0798		\$132000
2010-0789	W MANGOLD AV S 23RD ST	S 27TH ST	2011-611	0.833	8	1957	1200	690	10	4 2009	2009-0979		\$264000
<b>2010-0</b> 790	W BRENTWOOD AV N FRESNO ST	N 89TH ST		0.833	8	1956	600	143	5		2009-0797		\$132000
2010-0791	W HIGHLAND AV N 35TH ST	N 37TH ST		0.833	4	1907	480	387	4		2009-0784		\$105600
2010-0792	S HATELY AV S KIRKWOOD AV	E TESCH AV		0.833	6	1950	720	586	6		2009-0789	5	\$158400
2010-0793	WE 637 (400' W/O S 8TH W OREGON ST (VAC.)	ST) W VIRGINIA ST		0.833	6	1874	600	427	5		2009-0786		\$132000
2010-0794		W WILBUR AV	2010-412	0.833	6	1953	600	556	5		2009-0783	.9	\$132000
2010-0795	W MEDFORD AV W CONGRESS ST	N 82ND ST		0.833	8	1955	600	226	5		2009- <b>07</b> 95		\$132000
	WALLERTON AV S 36TH ST	S 38TH ST		0.833	6	1960	600	600	5		2009-0791		\$132000
2010-0797	W MANITOBA ST S 14TH ST	S 15TH ST		0.833	6	1913	360	508	3		2009-0785		\$79200
2010-0798		S BROOK PL		0.833	6	1948	600	545	5	1 2008	2009-0800		\$132000
2010-0799	S 97TH ST WOKLAHOMA AV	W EUCLID AV		0.833	8	1957	600	525	5		2009-079 <b>9</b>		\$132000
2010-0800	W CRAWFORD AV S 84TH ST	S 85TH ST	2010-004	0.833	8	1957	360	560	3	1 2008	2009-0794		\$79200
2010-0801	N 35TH ST (E/S) W JUNEAU AV	W MCKINLEY AV		0.833	12	1902	240	365	2	1 2001	2009-0793		\$52800
2010-0802	W FIEBRANTZ AV N 72ND ST	W BECKETT AV		0.833	8	1955	600	251	5	1 2009	200 <b>9-0</b> 788		\$132000
2010-0803	N 92ND ST W BIRCH AV	W SILVER SPRING DR		0.833	8	1958	600	185	5		2009-0801		\$132000
2010-0804		W EVERGREEN LA		0.833	6	1904	600	424	5		2009-0802		LIMITS CHANGED 2003 \$132000
2010- <b>0805</b>	E CLARKE ST N PALMER ST	N HUBBARD ST		0.833	6	1906	240	322	2		2009-0787		\$52800
2010-0806	N 30TH ST W GALENA ST	W WALNUT ST		0.833	6	1891	480	365	4		2009-0803		\$105600
201 <b>0-080</b> 7	S 15TH PL W MITCHELL ST	W ODELL ST		0.833	6	1893	360	460	3	1 2005	2009-0790		Water main breaks found during sewer construction.
2010-0808		600" E/O N DOUSMAN ST		0.833	8	1957	600	280	5	1 1997 1 1997	2009-0792		1 MAIN, 2 SIZES \$132000
2010- <b>0809</b>	N LOVERS LANE RD (E/S) WE 565	W SILVER SPRING DR		0.828	12	1963	725	183	6	1 1997	2009-0804		\$159500
2010 <b>-0810</b>	N 35TH ST W MCKINLEY AV	W VLIET ST		0.826	8	1931	242	366	2	0 0	2009-0806		\$53240
2010-0811	W MAXWELL PL N 52ND ST	W FOND DU LAC RD		0.825	8	1954	485	249	4	1 2002 0 0	2009-0808		\$106700
2010-0812	N 26TH ST WWELLS ST	W KILBOURN AV		0.825	6	1885	485	389	4	1 2001 1 1988	2009-0807		\$106700
2010-0813	S 24TH ST W SUNBURY CT	W HOLT AV		0.822	8	1949	365	534	3		2009-0810		\$80300
	W DOUGLAS AV N JOYCE AV	N 87TH ST		0.822	8	1957	730	152	6	2 2008 1 2001	2009-0809		\$160600
2010-0815	W CONGRESS ST N 99TH ST	N 100TH ST		0.822	8	1955	365	254	3		2009-0812		\$80300
2010-0816	N 28TH ST W VILLARD AV	340' S/O W VILLARD AV		0.822	6	1939	365	207	3		2009-0811		\$80300
2010-0817	S 77TH ST WOHIO AV	W VERONA CT		0.821	8	1956	975	527	8		2009-0813		\$214500
2010-0818	N 48TH ST W CAPITOL DR	W FIEBRANTZ AV		0.820	6	1948	610	248	5		2009-0815		\$134200
2010-0819		E ROYAL PL		0.820	8	1876	610	355	5		2009-0814		\$134200
2010-0820	·	W NORWICH AV		0.820	8	1959	610	572	5		2009-0816		\$134200

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Index No	Location of Project		Water Main Replacement	Breaks per 100 ft.	Size	Year Installed	Length	Qtr Sec	No. o	f Breaks	Previous Index No.	
2010-0821	N 14TH ST S/L OF W WELLS ST	W STATE ST		0.818	6	1875	1100	390	9	1 2009 1 2008	2009-0818	\$242000
	W HOPE AV N 89TH ST	N 91ST ST		0.816	8	1955	490	253	4	2 2006 0 0	2009-0819	\$107800
<b>2010-08</b> 23	W KIEHNAU AV N HASTINGS ST	N 89TH ST		0.814	6	1956	860	143	7	1 2005	2009-0821	\$189200
	W SPRING LA N DELTA PL	N HIGHVIEW DR		0.814	6	1955	860	084	7	1 2009 1 1999	2009-0820	\$189200
2010-0825	W LAPHAM ST S 20TH ST	S 21ST ST		0.811	6	1901	740	459	6	1 2001 1 1994	2009-0822	\$162800
2010-0826	N 10TH ST W NASH ST	W ABERT PL		0.811	6	1917	740	272	6	1 2003 1 1993	2009-0826	CHANGE LIMITS 2003 \$162800
	W ROOSEVELT DR (S/S) N 35TH ST	N 36TH ST		0.811	8	1926	370	268	3	0 0	2009-0824	
2010-0828		W BURDICK AV		0.811	8	1952	370	529	3	1 2007 0 0	2009-0828	\$81400
2010-0829	W NATIONAL AV S 23RD ST	S 24TH ST		0.811	8	1880	370	434	3	0 0	2009-0823	\$81400
	W ARMOUR AV S 60TH ST	S 61ST ST	2013-001	0.811	6	1957	370	603	3	1 2009	2009-1447	\$81400
2010-0831		S WHITNALL AV		0.811	8	1957	370	582	3		2009-0827	\$81400
2010-0832		W PARNELL AV		0.811	8	1957	370	668	3		2009-0825	\$81400
<b>2010-0</b> 833	N 63RD ST W FIE8RANTZ AV	W HOPE AV		0.806	8	1955	620	250	5	1 2001	2009-0837	\$136400
	N 82ND ST W FIEBRANTZ AV	W HOPE AV		0.806	8	1955	620	250	5		2009-0836	\$136400
2010-0835		W HOWARD AV		0.806	12	1957	620	559	5		2009-0830	\$136400
2010-0836	N 64TH ST W FIEBRANTZ AV	W HOPE AV		0.806	8	1955	620	250	5	1 2006	2009-0835	\$136400
	N SHEPARD AV E LOCUST ST	E LINNWOOD AV		0.806	6	1896	620	317	5		2009-0829	\$136400
2010-0838		W MONTANA ST	İ	0.806	6	19 <b>4</b> 9	620	513	5	1 2007	2009-0831	\$136400
2010-0839	W GREENFIELD AV S 22ND ST	S 24TH ST		0.806	8	1887	744	434	6		2009-0834	\$163680
2010-0840		W BURLEIGH ST		0.806	6	1936	620	302	5	5 2001 1 1996	2009-0833	\$136400
2010-0841		W LINCOLN AV		0.806	6	1889	620	470	5		2009-0832	\$136400
2010-0842	N 79TH ST N 78TH ST	W HOPE AV		0.805	6	1955	870	252	7	1 1998	2009-0839	\$191400
	W FOND DU LAC AV W MAXWELL PL	W ELY PL		0.805	8	1952	870	249	7		2009-0840	\$191400
2010-0844		W WATERFORD AV		0.805	6	1954	870	571	7		2009-0838	\$191400
2010-0845		W GALENA ST		0.800	6	1891	500	365	4	1 2009 1 1997	2009-0843	\$110000
2010-0846		E WILSON ST		0.800	6	1896	375	499	3	3 1993 0 0	2009-0859	\$82500
2010-0847		E MORGAN AV		0.800	8	1928	500	538	4		2009-0852	\$110000
2010-0848	W HARVEST LA N 104TH ST	N 105TH ST		0.800	8	1957	500	216		-	2009-084 t	\$110000
2010-0849		W RUBY AV		0.800	6	1926	750	231	6	1 2009	2009-0845	\$165000
2010-0850	N CRAMER ST E NEWPORT AV	E EDGEWOOD AV		0.800	6	1917	875	279	7		2009-0854	\$192500
	W FOSTER AV S 14TH ST	S 15TH PL		0.800	8	1957	1000	624	8		2009-0850	\$220000
2010-0852		KINNICKINNIC RIVER		0.800	6	1910	500	496	4		2009-0848	\$110000
2010-0853	S NEVADA ST E NORWICH ST	250' S/O E NORWICH ST		0.800	6	1947	250	582	2		2009-086 t	\$55000

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Index No	Location of Project		Water Main Replacement	Breaks per 100 ft.	Size	Year Installed	Length	Qtr Sec	No. a	f Breaks	Previous Index No.	
2010-0854	W VLIET ST (S/S) N 14TH ST	N 16TH ST EXT'D (WE 355)		0.800	8	1929	750	363	6	1 2006 0 0	2009-0842	\$165000
2010-0855	N 95TH ST W LANGLADE ST	330' N/O W KAUL AV		0.800	8	1958	625	151	5	0 0	2009-0862	\$137500
2010-0856		E DAKOTA ST		0.800	8	1892	500	504	4	1 2006	2009-0866	\$110000
2010-0857	W PERKINS PL W BECKETT AV	W APPLETON AV		0.800	8	1955	375	251	3	1 2008	2009-0853	\$82500
2010-0858	N 32ND ST WAUER AV	825' N OF W AUER AV		0.800	6	1926	625	286	5	4 2006 0 0	2009-0858	\$137500
2010-0859	W FAIRMOUNT AV	N 105TH ST		0.800	8	1957	500	216	4	1 2001	2009-0883	\$110000
2010-0860	S 10TH ST WHARRISON AV	W CLEVELAND AV		0.800	6	1906	750	497	6	1 2003	2009-0847	\$165000
2010-0861	W ROGERS ST S 10TH ST	S 12TH ST		0.800	6	1903	750	468	6	1 2002 1 2001	2009-0855	\$165000
2010-0862	W COLFAX PL W KATHRYN AV	500' W/O W KATHRYN AV		0.800	6	1955	500	213	4		2009-0856	\$110000
2010-0863	W DOUGLAS AV N 87TH ST	N 89TH ST		0.800	8	1957	750	152	6	2 2009 1 2006	2009-0860	\$165000
2010-0864		250' N/O W FOND DU LAC AV		0.800	6	1892	250	351	2		2009-0844	\$55000
2010-0865	W MITCHELL ST S 28TH ST	S LAYTON BV		0.800	8	1891	375	459	3		2009-0884	\$82500
	N 84TH ST W VIENNA AV	W MELVINA ST		0.800	12	1954	1000	263	8	1 2005 2 1994	2009-0849	\$220000
2010-0867		E THOMAS AV		0.800	6	1887	500	319	4		2009-0857	\$110000
2010-0868	N 4TH ST W BROWN ST	W LLOYD ST		0.800	6	1873	500	353	4	1 2005	2009-0965	\$110000
2010-0869		E MANITOBA ST		0.800	6	1896	500	504	4		2009-0846	\$110000
2010-0870	S 74TH ST W VAN BECK AV	W WATERFORD AV		0.795	6	1954	880	571	7		2009-0887	\$193600
	N 69TH ST W SILVER SPRING DR	W THURSTON AV		0.794	6	1958	630	175	5		2009-0872	\$138600
2010-0872		W AUER AV		0.794	6	1908	630	286	5		2009-0869	\$138600
2010-0873		W HOWARD AV		0.794	6	1928	630	551	5	1 2006	2009-0870	 \$138600
2010-0874	W CAPITOL DR	N 68TH ST		0.794	8	1954	630	265	5	1 2008	2009-0868	\$138600
	N 91ST ST W BURLEIGH ST	W AUER AV		0.794	6	1928	630	293	5		2009-0871	 \$138600
	N 60TH ST W VILLARD AV	W CUSTER AV		0.791	8	1950	1390	190	11		2009-0873	\$305800
	W MAPLE ST S 8TH ST	S 9TH ST	2010-012	0.789	6	1895	380	461	3		2009-0875	\$83600
	N 41ST ST WCHEYENNE ST	W GREEN TREE RD		0.789	8	1958	380	123	3	1 2007 0 0	2009-0878	\$83600
2010-0879		W METCALF PL		0.789	6	1950	760	293	6		2009-0874	 \$167200
2010-0880	N 36TH ST W BROWN ST	W LLOYD ST		0.789	6	1901	380	348	3		2009-0877	 \$83600
2010-0881		W FOREST HOME AV		0.789	6	1896	380	460	3		2009-0876	\$83600
2010-0882		W HAMPTON AV		0.787	8	1956	635	224	5	1 2009	2009-0879	\$139700
2010-0883	W FOND DU LAC AV (S/S) W NORTH AV	510' N/O W NORTH AV		0.784	8	1929	510	325	4	• •	2009-0881	\$112200
	W OKLAHOMA AV 490' E/O S 72ND ST	S 72ND ST		0.784	8	1953	510	515	4		2009-0880	s
	W VILLARD AV N 103RD ST	N 105TH ST		0.781	8	1958	640	216	5	· ·	2009-0888	\$140800
2010-0886		W BOBOLINK AV		0.781	12	1958	640	176	5		2009-0885	\$140800

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Index No	Localion of Project		Water Main Replacement	Breaks per 100 ft	Size	Year Installed	Length	Qtr Sec	No of	f Breaks	Previous Index No.	
2010-0887	N 82ND ST W MARION ST	W CONGRESS ST		0.781	6	1957	640	252	5	1 1999 1 1998	2009-0892	\$140800
2010-0888		W CRAWFORD AV		0.781	6	1957	640	560	5		2009-0882	\$140800
2010-0889		W GOOD HOPE RD		0.781	8	1958	1280	123	10		2009-0894	\$281600
<b>2010-0</b> 890	N 4TH ST WNORTH AV	W MEINECKE AV		0.781	8	1886	640	322	5		2009-0893	\$140800
2010-0891		W CONCORDIA AV		0.781	6	1949	640	293	5	1 2004 1 2000	2009-0890	\$140800
2010-0892	N 63RD ST W BOBOLINK AV	W FLORIST AV		0.781	8	1957	640	174	5	2 2007 1 2004	2009-0886	\$140800
2010-0893	S 84TH ST W MORGAN AV	W WARNIMONT AV		0.781	12	1956	640	559	5	1 2009 1 2000	<b>200</b> 9-1210	\$140800
2010-0894		W HOPE AV		0.781	6	1950	640	248	5	1 2007 0 0	2009-0889	\$140800
2010-0895	S MINER ST W FARDALE AV	W HOWARD AV		0.781	8	1959	640	553	5	2 2008 1 2001	2009-0895	\$140800
2010-0896	N 65TH ST W CARMEN AV	W BOBOLINK AV		0.781	6	1954	640	174	5	1 2002 1 1990	2009-0884	\$140800
2010-0897	S KINNICKINNIC AV E BAY ST	E WARD ST		0.781	8	1887	640	466	5	1 1994 0 0	2009-0891	\$140800
2010-0898	S 89TH ST W WARNIMONT AV	W WILBUR AV		0.781	8	1957	640	560	5	1 2006 1 2005	2009-0887	\$140800
2010-0899	W CAPITOL DR N 60TH ST	N 62ND ST	2010-010	0.781	8	1955	640	250	5	1 1997 1 1993	2009-0883	\$140800
2010-0900	N OAKLAND AV E LAFAYETTE PL	E WINDSOR PL		0.779	6	1885	385	355	3	0 0 0 0	2009-0899	\$84700
2010-0901	N 24TH ST WAUER AV	W CONCORDIA AV		0.779	6	1902	770	285	6	1 2004 1 2001	2009-0897	\$169400
2010-0902	W BOBOLINK AV N 29TH ST			0.779	8	1950	770	170	6	1 2002 1 2001	2009-0896	\$169400
2010-0903	W POTOMAC AV W RUBY AV	W GLENDALE AV		0.779	8	1955	770	224	6	1 2001 1 1997	2009-0898	\$169400
2010-0904	N 19TH PL WOUVE ST	W CONGRESS ST		0.777	8	1927	1030	244	8	1 2004 1 1998	2009-0900	\$226600
2010-0905	S 23RD ST WHENRY AV	W BRIDGE ST		0.777	8	1959	515	690	4	1 2009 1 2005	2009-0901	\$113300
<b>2010-0906</b>	N 2ND ST W CLARKE ST	W CENTER ST	2010-639	0.775	6	1888	645	322		1 2006 0 0	2009-0903	\$141900
2010-0907	W DAKOTA ST S 27TH ST	S 29TH ST		0.775	8	1927	645	510	5	1 2004 2 2000	2009-0904	\$141900
2010- <b>090</b> 8	N 60 ST (W/S) W VIENNA AV (PED. WAY)	W MELVINA ST		0.775	8	1949	645	265	5	1 1997 1 1989	2009-0905	\$141900
<b>2010-090</b> 9	W CLAYTON CREST AV S 23RD ST	S 25TH ST	2010-418	0.775	8	1957	645	644		0 0 0 0	2009-0902	\$141900
2010-0910	N 35TH ST WHOPE AV	W MARION ST		0.769	8	1953	650	247	5	1 1995 1 1981	2009-0929	\$143000
2010-0911	S 63RD ST W HARRISON AV	S 62ND ST	2010-638	0.769	6	1953	520	490	4	1 2002 0 0	2009-0917	\$145200
2010-0912	N 51ST BL WHOPE AV	W MARION ST		0.769	12	1949	650	248	5	1 2005 1 2003	2009-0920	\$143000
2010-0913	W BURLEIGH ST	W CHAMBERS ST		0.769	6	1907	650	309		1 1981 0 0	2009-0916	\$143000
2010-0914	S 26TH ST WOKLAHOMA AV	W EUCLID AV		0.769	6	1928	650	534	5	1 1990 1 1989	2009-0908	\$143000
2010-0915	E MEINECKE AV	E WRIGHT ST		0.769	6	1890	650	322	5	1 2006 1 1989	2009-0906	\$143000
2010- <b>091</b> 6	W MANITOBA ST	W OKLAHOMA AV		0.769	6	1928	650	512		1 2007 3 1995	2009-0915	\$143000
2010- <b>0917</b>	N 57TH ST W MCKINLEY AV	W VLIET ST		0.769	6	1925	780	368	6	1 2008 1 2004	2009-0909	\$171600
	N 36TH ST W TORONTO ST	W HOPE AV		0.769	6	1927	650	247		1 2003 2 2002	2009-0932	\$143000
2010-0919	S 51ST ST W DAKOTA ST	W MANITOBA ST		0.769	12	1949	650	513	5	1 1996 0 0	2009-0918	\$143000

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2010-0920	N 13TH ST W GROELING AV	W CHAMBERS ST		0.769	6	1893	390	312	3	0 0	2009-0934		\$85800
2010-0921	N 38TH ST W NORTH AV	W MEINECKE AV		0.769	6	1901	650	327	5	1 2004	2009-0930		\$143000
2010- <b>0922</b>	W VERONA CT 260° E/O S 55TH ST	S 55TH ST		0.769	6	1954	260	530		1 2002 0 0	2009-0931		\$57200
201 <b>0-0923</b>		W GRANGE AV	2010-008	0.769	8	1966	650	645	5	1 1988 1 1987	2009-0907		D.I. PIPE \$143000
2010-0924	W CAPITOL DR N 82ND ST	N 84TH ST		0.769	8	1954	650	252	5	1 2003 1 1990	2009-0913		\$143000
<b>20</b> 10-0925	S 25TH ST W MORGAN AV	WWARNIMONT		0.769	6	1952	650	552	5	1 2006	2009-0912		\$143000
2010-0926	S SPRINGFIELD AVE E FERNWOOD AV	E OHIO AV		0.769	6	1953	780	540	6	1 2009 1 2003	2009-0911		\$171600
2010- <b>0927</b>	N BREMEN ST E HADLEY ST	E LOCUST ST		0.769	6	1895	650	314	5		2009-0923		\$143000
<b>20</b> 10-0928	W SARNOW ST N 35TH ST	N 37TH ST		0.769	8	1901	650	366		1 2005 3 1988	2009-0919		qs366/348 \$143000
2010-0929	W WOOLWORTH AV N 46TH ST	N 47TH ST (EXT'D)		0.769	8	1957	520	157	4	1 1993 1 1984	2009-0928		\$114400
2010-0930		W MEDFORD AV		0.769	6	1956	780	212	6		2009-0933		\$171600
2010-0931	W CENTER ST N 33RD ST	N 34TH ST		0.769	8	1896	260	309		1 2001 0 0	2009-0927		\$57200
2010- <b>093</b> 2	S 64TH ST WHARRISON AV	W CLEVELAND AV		0.769	6	1952	650	490	5	0 0	2009-0914		\$143000
2010 <b>-0933</b>	N FAIRWAY PL N HIGHVIEW DR	N 55TH ST		0.769	6	1955	390	084		1 2008	2009-0922		\$85800
	N 91ST ST WLOCUST ST	W CHAMBERS ST		0.769	6	1946	650	302	5	1 2007	2009-0925		\$143000
2010-0935	E CLARKE ST N 1ST ST	N PALMER ST		0.769	6	1906	390	322			2009-0924		\$85800
201 <b>0-0936</b>		W LOCUST ST		0.769	6	1922	650	307		4 2003 0 0	2009-0926		\$143000
2010-0937	W ROGERS ST S 36TH ST	S 37TH ST		0.769	8	1925	390	472		0 0	2009-0910		\$85800
2010-0938	S LOGAN AV E HOWARD AV	E NORWICH AV		0.769	6	1955	650	582		1 2008	2009-0921	İ	\$143000
2010-0939	W ARIZONA ST S 53RD ST	S 55TH ST		0.763	6	1949	655	513	5	1 1997 0 0	2009-0935		\$144100
2010-0940	N 1ST ST E LOCUST ST	E CHAMBERS ST		0.763	6	1894	655	313	5	1 2004	2009-0937		\$144100
	W LANCASTER AV N 103RD ST	N 105TH ST		0.763	8	1957	655	216	5	1 2006 2 2000	2009-0936		\$144100
<b>2010-094</b> 2	S 14TH ST W DAKOTA ST	W MANITOBA ST		0.763	6	1911	655	508		1 2004 0 0	2009-0938		\$144100
2010-0943	W HERBERT AV	W HAMPTON AV		0.762	8	1958	525	223	4	1 2003 1 2000	200 <del>9</del> -0940		\$115500
2010-0944	N 21ST ST W BROWN ST	W LLOYD ST		0.762	6	1891	525	350	4		2009-0939		\$115500
2010-0945		W CLAYTON CREST AV	2010-416	0.761	6	1959	920	644	7		2009-0941		\$202400
2010-0946		S HATLEY AV		0.759	6	1954	395	586	3		2009-0944		\$
2010-0947	W LAWN AV N DEXTER AV	N 24TH ST		0.759	6	1954	790	194	6		2009-0945		\$173800
	W THURSTON AV	N 33RD ST		0.759	8	1951	790	170	6		2009-0942		Relay to tee with 12" main at E/S of Teutonia. \$173800
2010-0949		W CONCORDIA AV		0.759	6	1950	790	293	6		2009 <b>-0</b> 943		\$173800
2010-0950		E WRIGHT ST		0.758	6	1891	660	321	5		2009-0950		\$145200
2010-0951		W OHIO AV		0.758	6	1951	660	530	5		2009-0946		\$145200
2010-0952		E BURLEIGH ST		0.758	6	1903	660	314	5		2009-0949		\$145200

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	N WEIL ST E LOCUST ST		Replacement	0.758	6	1896	660	314	5	1 2006	2009-0948	\$145200
2010-0954		E HADLEY ST		0.758	6	1914	660	278	5	1 2005	2009-0947	\$145200
2010-0965	E HARTFORD AV	E NEWPORT AV						17		1 2007	2009-0951	\$145200
	W CONCORDIA AV	W AUER AV		0.758	6	1949	660	292	5	0 0		
2010-0966	W VINE ST	W BROWN ST		0.755	6	1894	530	350	4	Z 1999		\$116600
2010-0957	W BURLEIGH ST	W LISBON AV		0.755	6	1949	530	291	4	1 1993		\$116600
2010-0958	E PEARSON ST N MARSHALL ST	N HUMBOLDT AV		0.755	6	1885	1060	354	8	2 2007 1 2005	2009-0953	\$233200
2010-0959	W FOREST HOME AV (N/S) S 56TH ST	S 58TH ST		0.755	8	1959	530	556	4	0 0	2009-0955	\$116600
2010-0960	N 7TH ST (E/S) W GALENA ST	W WALNUT ST		0.755	6	1877	530	362	4	2 2006 0 0	2009-0956	ly to dead-end at N/S of Walnut St. \$116600
2010-0961	N 37TH ST W STARK ST	W FAIRMOUNT AV		0.753	6	1919	664	208	5	1 2007 1 2006	2009-0957	\$146080
2010-0962	E BOTTSFORD AVE S DELAWARE AV	280° E/O S ILLINOIS AVE		0.753	6	1957	930	591	7	1 2005 2 2001	2009-0958	\$204600
2010-0963	N 24TH ST WHADLEY ST	W LOCUST ST		0.752	6	1896	665	310	5	1 2009 1 2000	2009-0961	\$146300
2010-0964		W METCALF PL		0.752	12	1953	665	261	5		2009-1302	\$146300
201 <b>0-0965</b>		W NASH ST		0.752	6	1948	665	262	5	2 2001 2 1996	2009- <b>09</b> 59	\$146300
2010-0966	N 38TH ST W GLENDALE AV	W COURTLAND AV		0.752	6	1919	665	229	5	1 2009 1 2006	2009-0960	\$146300
2010- <b>096</b> 7	N 91ST ST W METCALF PL	W LISBON AV		0.750	8	1947	400	262	3	0 0	2009-0967	\$88000
2010-0968	W BURDICK AV W RIVER BEND DR	S 75TH ST		0.750	6	1955	800	528	6	1 2008	2009-0978	\$176000
2010-0969	N 60TH ST W FLORIST AV	W DOUGLAS AV		0.750	6	1959	800	155	6	0 0	2009-0977	\$176000
<b>2010-09</b> 70	W HOPE AV N 78TH ST	N 79TH ST		0.750	8	1955	400	252	3	1 1993 1 1992	2009-0980	\$88000
2010-0971	S 1ST ST E PITTSBURGH AV	E OREGON ST		0.750	6	1873	400	428	3	0 0	2009-0963	\$88000
2010-0972	W MINERAL ST \$ 12TH ST	S 13TH ST		0.750	6	1894	400	432	3	1 1997 0 0	2009-0975	\$88000
2010-0973	W MEDFORD AV N 62ND ST	W BALDWIN ST		0.750	8	1955	400	226	3	1 2009	2009-0964	\$88000
2010-0974	W WELLS ST N 34TH ST	N 35TH ST		0.750	6	1886	400	388	3	0 0	2009-0976	\$88000
2010-0975	W CUSTER AV W MEDFORD AV	W FOND DU LAC AV	2010-132	0.750	8	1954	400	187	3	1 1984	2009-0973	\$88000
	W CUSTER AV	N 91ST ST		0.750	8	1958	400	186	3	1 1988	2009-0971	\$88000
2010-0977		W GLENDALE AV		0.750	8	1940	400	229	3		2009-0981	\$88000
2010-0978	W WELLS ST N 2ND ST	OLD WORLD THIRD ST		0.750	8	1950	400	392	3		2009-0970	\$88000
	N HUMBOLDT AV E LYON ST	E PLEASANT ST		0.750	6	1877	400	359	3	1 1986	2009-0974	\$88000
2010-0980		W HIGHLAND AV		0.750	6	1880	400	390	3	2 1976 0 0	2009-0972	\$88000
2010-0981	W LAPHAM ST S 5TH ST	S 6TH ST	<	0.750	6	1896	400	462	3	2 1992 0 0	2009-0965	\$88000
2010-0982	W WRIGHT ST N 1ST ST	N 2ND ST	2010-640	0.750	6	1892	400	322	3	3 2006 0 0	2009-0966	\$88000
2010-0983		400' S/O W ROGERS ST		0.750	6	1898	400	467	3	0 0	2009-0962	\$88000
2010-0984	W VINE ST N 1ST ST	N 2ND ST		0.750	6	1876	400	353	3	1 1985 0 0	2009-0969	\$88000





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Index No	Location of Project		Water Main Replacement	Breaks per 100 ft.	Size	Year Installed	Length	Qtr Sec	No. o	f Breaks	Previous Index No.	
2010-0985	N FREDERICK AV E WEBSTER PL	E BRADFORD AV		0.750	6	1887	400	319	3	3 1996 0 0	2009-0968	\$88000
2010-0986	N 67TH ST WHOPE AV	W MARION ST		0.746	6	1955	670	250	5	1 2005 1 1988	2009-0983	\$147400
2010-0987	N 51ST ST WLOCUST ST	W CHAMBERS ST		0.746	6	1922	670	306	5	1 2006	2009-0989	\$147400
2010-0988		W AUER AV		0.746	6	1949	670	292	5	1 2003 1 1995	2009-0988	\$147400
2010-0989	S 63RD ST W VERONA CT	350' S/O W OHIO AV		0.746	8	1951	670	529	5	1 1993 1 1991	2009-0987	\$147400
2010-0990	S 23RD ST WHALSEY AV	W VOGEL AV		0.746	8	1962	670	623	5		2009-0982	\$147400
2010-0991		W MARION ST		0.746	6	1955	670	253	5	2 2003 1 1998	2009-0990	\$147400
2010-0992	N 7TH ST WHADLEY ST	W LOCUST ST		0.746	6	1890	670	312	5		2 <b>0</b> 09-0991	\$147400
2010-0993	S 2ND ST W MORGAN AV	W WARNIMONT AV		0.746	6	1926	670	549	5	1 2007	2009-0992	\$147400
2010-0994		N FREDERICK AV		0.746	8	1950	670	316	5	0 0	2009-0984	\$147400
2010-0995	N 55TH ST W ROHR AV	W CUSTER AV		0.746	6	1950	670	190	5	1 2009	2009-0988	\$147400
2010-0996	N 61ST ST W NASH ST	PED WAY N/O W NASH ST		0.746	6	1949	670	265	5	1 2005	2009-0985	\$147400
	W FOND DU LAC AV	W FIEBRANTZ AV		0.741	8	1929	675	249			2009-0994	\$148500
2010-0998	N 26TH ST W CAPITOL DR	W HOPE AV		0.741	6	1925	1080	245	8	1 1996 1 1992	2009-1005	PASSED PT 1992 (5-175 MISC) \$237600
2010-0999		W VILLARD AV		0.741	6	1956	810	212	6		2009-0999	\$178200
2010-1000		W LEROY AV		0.741	6	1961	540	572	4	1 1991 1 1988	2009-1000	\$118800
2010-1001	S 66TH ST W BOTTSFORD AV	W ALLERTON AV		0.741	6	1955	675	603		1 2003 3 1997	2009-0993	MISSING ONE MCR-14134 \$148500
2010-1002	W TRIPOLIAV S 67TH ST	S 68TH ST		0.741	6	1954	405	557	3	1 2009 0 0	2009-0998	\$89100
2010-1003	S 69TH ST W HARRISON AV	W CLEVELAND AV		0.741	6	1951	675	489	5	0 0	2009-1007	\$148500
2010-1004		W PIERCE ST		0.741	6	1894	405	427		2 2001 0 0	2009-1002	\$89100
2010-1005	S 38TH ST W BECHER ST	W GRANT ST		0.741	6	1925	675	472	5	1 2008 1 2002	2009-1004	\$148500
2010-1006	W DODGE PL W WILBUR AV	W WARNIMONT AV	2009-424	0.741	8	1955	675	557	5	1 2004	2009-1003	\$148500
2010-1007	N 98TH ST W ROCHELLE AV	W GOOD HOPE RD		0.741	6	1962	270	116		1 2001 0 0	2009-1001	\$59400
2010-1008	S 25TH ST W SCOTT ST	W MINERAL ST		0.741	6	1887	675	434	5	1 2005 1 1998	2009-0995	\$148500
2010-1 <b>009</b>	N 20TH ST N TEUTONIA AV	W CAPITOL DR		0.741	6	1914	1080	270	8	1 2009 1 2002	2009-1006	\$237600
2010-1010	W BECKETT AV N 73RD ST	W FIEBRANTZ AV(W PERKINS PL)		0.741	6	1955	540	251	4	1 2000 1 1999	2009-0996	\$118800
2010-1011	N 2ND ST W PLEASANT ST	245' N/O W PLEASANT ST		0.741	6	1878	270	361	2	0 0	2009-0997	\$59400
2010-1012		E LINCOLN AV		0.737	6	1885	950	466	7	<u> </u>	2009-1008	\$209000
2010-1013		W ABBOTT AV		0.737	12	1956	950	643	7		2009-1009	\$209000
2010-1014	W CARMEN AV N 69TH ST	N 91ST ST		0.735	8	1958	680	177	5		2009-1010	\$149600
	N 66TH ST WHOPE AV	W MARION ST		0.735	8	1955	680	250	5	<u> </u>	2009-1011	\$149600
2010-1016	W VIENNA AV N 76TH ST	N 78TH ST		0.735	8	1954	680	263	5		2009-1012	\$149600



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Index No	Location of Project		Water Main Replacement	Breaks per 100 ft	Size	Year Installed	Length	Qtr Sec	No. c	f Breaks	Previous Index No.	
2010-1017	W MORGAN AV S HONEY CREEK DR	S 73RD ST		0.735	12	1953	953	528	7	1 20 1 20	09 2009-1013	\$209660
2010-1018		W KAUL AV		0.734	6	1960	545	155	4	1 20 0	2009-1014	\$119900
2010-1019	W HOPE AV N 24TH ST	N 24TH PL		0.732	8	1925	410	245	3	1 20	9 2009-1017	\$90200
2010-1020		S PENNSYLVANIA AV		0.732	6	1902	410	503	3	0	02009-1016	\$90200
2010-1021		E MORGAN AV		0.732	8	539	410	539	3	1 20	04 2009-1015	\$90200
2010-1022		E SAVELAND AV		0.730	6	1933	685	547	5		01 2009-1018	\$150700
2010-1023	W GLENDALE AV	N 71ST ST		0.730	8	1956	685	225	5		9 2009-1019	\$150700
2010-1024	W HERBERT AV W TALLMADGE PL	N 73RD ST		0.727	8	1958	550	188	4		35 2009-1020	\$121000
2010-1025		W STATE ST		0.727	6	1886	550	388	4	0	0 2009-1023	\$121000
2010-1026	W TOWNSEND ST N 35TH ST	N 36TH ST		0.727	8	1926	275	287	2	1 20	2009-1024	\$60500
2010-1027		E LAFAYETTE PL		0.727	6	1887	275	355	2	0	0 2009-1022	\$60500
2010-1028	W THURSTON AV	N 74TH ST		0.727	8	1958	550	175	4		22009-1025	\$121000
2010-1029	S 15TH PL W DENIS AV	W WANDA AV		0.727	6	1960	275	670	2	1 20	01 2009-1026	\$60500
2010-1030		W VINE ST		0.727	6	1889	550	350	4		2 2009-1021	\$121000
2010-1031	N 42ND ST W. COURTLAND AV	W. HAMPTON AV		0.725	6	1927	690	229	5	1 20 1 19	28 2009-1029	\$151800
	N NEWHALL ST N BARTLETT AV	E NORTH AV		0.725	6	1891	690	355	5		03 2009-1028	\$151800
	N 52ND ST WHOPE AV	W MARION ST		0.725	6	1949	690	249	5		07 2009-1027	\$151800
	W STACK DR S 54TH ST	S 55TH ST		0.723	8	1951	415	513	3	-	07 2009-1030	\$91300
2010-1035		W LEROY AV	2010-635	0.721	6	1958	555	572	4	1 20	2009-1031	\$122100
2010-1036	W OHIO AV N 76TH ST	N 80TH ST		0.720	8	1956	1250	527	9	1 20 1 20	09 2009-1032	\$275000
2010-1037		W BURLEIGH ST		0.719	8	1928	695	302	5		07 2009-1033	Relay to 12" main in N/S of Burleigh \$152900
2010-1038		W COURTLAND AV		0.719	8	1956	695	224	5		08 2009-1034	\$152900
2010-103 <del>9</del>	W MARCELLE N PARK MANOR DR	N 98TH ST		0.718	6	1962	975	116	7		08 2009-1035	\$214500
-	WAUERAV N 88TH ST	N 89TH ST		0,718	8	1950	418	293	3	0	0 2009-1036	\$91960
	N PLANKINTON AV (E/S) W WISCONSIN AV	W WELLS ST	2009-726	0.714	8	1932	700	392	5		05 2009-1038	\$154000
	W CAPITOL DR N 64TH ST	N 66TH ST		0.714	8	1955	700	265	5		07 2009-1037	\$154000
2010-1043	W MEINECKE AV N 32ND ST	N 34TH ST		0.714	6	1898	280	326	2		09 2009-1053	\$61600
2010-1044	W MARION ST N 50TH ST	N 51ST BV		0.714	8	1952	280	248	2		01 2009-1046	\$61600
	W OREGON ST (S/S) S 1ST ST	S 2ND ST		0.714	8	1904	420	428	3		94 2009-1040	\$92400
	W FAIRMOUNT AV N 44TH ST	N SHERMAN BV		0.714	8	1948	280	209	2	1 20 1 20	09 2009-1039	Relay to 2001 main. \$6160
-	W GROELING AV N TEUTONIA AV	W HOPKINS ST		0.714	6	1896	560	311	4		04 2009-1044	\$123200
	N 78TH ST WRUBY AV	W GLENDALE AV		0.714	6	1955	700	224	5		9 2009-1045	\$154000
	W WANDA AV S 14TH ST	S 15TH PL		0.714	6	1960	840	670	6		06 2009-1048	\$184800

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Index No	Location of Project		Water Main Replacement	Breaks per 100 ft.	Size	Year Installed	Length	Qtr Sec	No. (	of Breaks	Previous Index No.			
	W CUSTER AV	N 83RD ST	2010-132	0.714	8	1955	420	187	3	1 200	2009-1041		\$92400	
	N STOWELL AV ELOCUST ST	E LINNWOOD AV		0.714	6	1899	700	316	5		2009-1050		\$154000	
	W CONCORDIA AV N B4TH ST	N 86TH ST		0.714	8	1950	700	293	5		2009-1042		\$154000	
	N ELMHURST RD N 38TH ST	N 39TH ST		0.714	6	1927	560	247	4	-	2009-1056		\$123200	
	WIDAHO ST Seist ST	W MANITOBA ST		0.714	8	1953	840	514	6		2009-1047		\$184800	
	W FIEBRANTZ AV 280° E/O W GRANTOSA DR	W GRANTOSA DR		0.714	6	1955	280	255	2		2009-1043		\$61600	<u> </u>
	N HOLTON ST E NASH ST			0.714	6	1923	700	274	5		2009-1052		\$154000	
	N 105TH ST WSTARK ST	W CAMERON AV		0.714	8	1959	560	216	4		2009-1054		\$123200	
	N 3RD ST WABERT PL	W MELVINA ST		0.714	6	1914	420	273	3		2009-1055		\$92400	
	W HAYES ST S 35TH ST	535' W/O S 35TH ST		0.714	6	1960	560	493	4		2009-1049		\$123200	
2010-1060		E AUER AV		0.714	6	1893	700	281	5		2009-1051		\$154000	
2010-1061	N 47TH ST WLLOYD ST	W VINE ST		0.710	6	1909	704	347	5	1 200	2009-1057		\$154880	
2010-1062				0.709	6	1915	141	462	1	1 200	2009-1058		\$31020	
2010-1063		W HARRISON AV		0.706	6	1910	425	496	3		2009-1059	1	998-161 deleted S	\$93500
2010-1064		W KAUL AV		0.706	6	1948	850	158	6		2009-1060		\$187000	
2010-1065		570' E/O S BARCLAY ST		0.702	8	1903	570	431	4		2009-1061		\$125400	
2010-1066	N TEUTONIA AV WMILL RD	W ELM ST		0.700	12	1958	1000	136	7		2009-1065		\$220000	
2010-1087	N 6TH ST WKEEFE AV	W CONCORDIA AV		0.700	6	1895	1000	283	7	-	2009-1066		\$220000	
2010-1068		W KEEFE AV		0.700	6	1895	1000	283	7	-	2009-1063		\$220000	
2010-1069	S 22ND ST WOHIO AV	W VERONA CT		0.700	8	1949	1000	534	7	1 200	2009-1062	PA	VING 1995 NW \$	\$22000
2010-1070	W CONGRESS ST	N 87TH ST		0.700	12	1956	1000	223	7		2009-1064		\$220000	
2010-1071	N 60 ST (W/S) W CARMEN AV	W BOBOLINK AV		0.698	6	1956	860	174	6		2009-1068	1	996 CARMEN PAVI 226) \$189200	ING (5-
2010-1072	W MICHIGAN ST (S/S) N JAMES LOVELL ST	N 8TH ST		0.698	8	1939	430	398	3	1 200	2009-1069	İ	\$94600	<u>v</u>
2010-1073	N 36TH ST W MARION ST	W CONGRESS ST		0.698	6	1930	430	247	3	1 200	2009-1067		\$94600	
2010-1074	W MELVINA ST N 35TH ST	N 37TH ST		0.696	8	1926	575	268	4	1 200 0 0	2009-1070		\$126500	
2010-1076	W ST PAUL AV W GREVES ST	N 25TH ST		0.694	12	1900	720	400	5	1 200 0 0	2009-1072		\$158400	
	N 97TH PL W NASH ST	W METCALF PL		0.694	6	1953	720	261	5	1 2008 2 2001	2009-1073		\$158400	
2010-1077	W PIERCE ST S 20TH ST	S 22ND ST		0.694	6	1896	720	425	5		2009-1071		\$88000	
2010-1078	W KINNICKINNIC RIVER PK (	(N/S) S71ST ST		0.693	8	1953	1010	515	7		2009-1074	U	NDER WALK, 199 WORK \$22220	
2010-1079	N WAVERLY PL E STATE ST	E JUNEAU ST		0.690	6	1872	580	393	4	1 2003 1 1994	2009-1078	İİ	\$127600	
2010-1080		E WILBUR AV		0.690	6	1937	145	546	1		2009-1081		\$31900	
2010-1081		W LISBON AV		0.690	8"	1945	290	261	2		2009-1077		\$	
2010-1082	S 70TH ST WARTHUR AV	W HARRISON AV		0.690	6	1952	580	489	4	1 2009	2009-1082		\$127600	

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Index No	Location of Project		Water Main Replacement	Breaks per 100 ft	Size	Year Installed	Length	Qtr Sec	No e	of Breaks	Previous Index No.	
2010-1083	S 64TH ST W VAN NORMAN AV	W ARMOUR AV		0.690	6	1959	290	603	2	1 200	2009-1080	\$
2010-1084		W IONA TR		0.690	6	1959	290	667	2	0	2009-1075	\$63800
2010-1085		E KEWAUNEE ST		0.690	6	1677	435	359	3	1 200	2009-1079	\$95700
2010-1086	W RUBY AV W LAWRENCE AV	N 87TH ST		0.690	8	1956	560	223	4	1 200	2009-1076	\$127600
2010-1087		W MAPLE ST		0.690	6	1895	435	459	3	1 200 1 200	2009-1083	\$95700
2010-1088		W VERONA CT		0.686	6	1951	1020	529	7	1 200	<sup>5</sup> 2009-1084	\$224400
2010-1089	W ARROW ST S UNION ST	S 20TH ST		0.686	6	1896	563	460	4	1 200	2009-1085	\$128260
2010-1090		W PARNELL AV	2010-006	0.686	6	1959	675	666	6	1 200 1 200	2009-1086	\$192500
2010-1091	N HOUSTON AV W CONGRESS ST	W GLENDALE AV		0.686	6	1955	675	224	6	1 200	2009-1087	\$192500
	W GREEN TREE RD N PARK MANOR DR	N 99TH ST		0.685	6	1962	730	116	5	1 200	2009-1088	\$180600
<b>2010-1</b> 093	W KAUL AV N 84TH ST	N 87TH ST		0.684	6	1959	1170	152	6	2 200 2 200	2009-1069	\$257400
2010-1094	W GALENA ST	N 40TH ST		0.682	6	1902	440	366	3	1 200 1 200	2009-1094	\$96800
2010-1095	N 30TH ST WCHERRY ST	W GALENA ST		0.662	6	1691	440	365	3	2 199 0	2009-1091	\$96800
2010-1096		W FOREST HOME AV		0.662	6	1956	660	557	6	1 199	2009-1093	\$193600
2010-1 <b>0</b> 97	S 25TH ST 400' N/O W WILBUR AV	W WILBUR AV		0.662	6	1954	440	552	3		2009-1092	\$96800
	W NATIONAL AV	S 38TH ST		0.662	12	1901	440	436	3	0	2009-1095	\$96800
2010-1099	W GOOD HOPE RD (N/S) 880' E/O N 55TH ST	N 55TH ST		0.660	12	1960	1030	104	7	1 200	2009-1096	\$226600
	W MORGAN AV S 77TH ST	S 79TH ST		0.676	12	1956	590	527	4	1 200	2009-1098	\$129800
	S 71ST ST WARTHUR AV	W HARRISON AV		0.676	6	1952	590	469	4	1 200	2009-1100	\$129800
	W BRANTING LA N 34TH ST	N 35TH ST		0.676	6	1916	295	456	2	0	2009-1099	\$64900
	S LIPTON AV E TESCHAV	E DENTON AV		0.676	6	1951	590	565	4	1 200	5 2009-1097	\$129800
	N 61ST ST W CARMEN AV	W BOBOLINK AV		0.676	6	1953	740	174	5	1 200	2009-1101	\$162800
	W MARION ST N 80TH ST	N 82ND ST		0.676	6	1955	740	252	5	1 200	2009-1102	\$162800
	W ROOSEVELT DR (N/S) W CAPITOL DR	N 37TH ST		0.674	6	1927	445	266	3	1 200 0	2009-1104	\$97900
2010-1107	W RING ST	N 6TH ST		0.674	6	1900	445	262	3	1 200	3 2009-1103	\$97900
2010-1108		W STARK ST		0.674	6	1930	742	205	5		2009-1105	\$163240
<b>20</b> 10-1109	W HERBERT AV W GERTRUDE DR	N 82ND ST		0.673	6	1954	1040	213	7	1 200 2 200	2 2009-1106	\$228800
	W APPLETON AV (N/S) WHOPE AV	W CONGRESS ST		0.673	8	1956	1040	252	7		2009-1107	Replace with 16" \$228800
2010-1111		\$ TAYLOR AV		0.667	8	1924	750	505	5		2009-1120	\$165000
2010-1112	N 36TH ST W NASH ST	W VIENNA AV		0.667	6	1927	600	266	4	1 200 0	2 2009-1128	\$132000
	W TOWNSEND ST	N 98TH ST		0.667	6	1952	600	294	4	0	2009-1131	\$132000
	N MARSHALL ST E PEARSON ST	E HAMILTON ST		0.667	6	1686	300	354	2		2009-1127	\$66000
	W SCOTT ST \$ 1ST ST	S 3RD ST		0.667	6	1673	750	431	5	1 199 0	2009-1113	\$242000

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UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL         UNINECOLERAL<	Index Lo No	ocation of Project		Water Main Replacement	Breaks per 100 ft.	Size	Year Installed	Length	Qtr Sec	No. o	f Breaks	Previous Index No.	
Date-1148         Mythol PP 17 (1990)         Mythol PP 17 (1990) <t< td=""><td>2010-1116 S</td><td>MCCARTY AV E PLAINFIELD AV</td><td>E LUNHAM AV</td><td></td><td>0.667</td><td>6</td><td>1954</td><td>600</td><td>585</td><td>4</td><td>1 2003</td><td>2009-1134</td><td>\$132000</td></t<>	2010-1116 S	MCCARTY AV E PLAINFIELD AV	E LUNHAM AV		0.667	6	1954	600	585	4	1 2003	2009-1134	\$132000
Date-1148         Mythol PP 17 (1990)         Mythol PP 17 (1990) <t< td=""><td>2010-1117 W</td><td>V BURDICK AV S 88TH ST</td><td>S 89TH ST</td><td></td><td>0.667</td><td>8</td><td>1958</td><td>450</td><td>526</td><td>3</td><td>1 1994 1 1991</td><td>2009-1108</td><td>\$99000</td></t<>	2010-1117 W	V BURDICK AV S 88TH ST	S 89TH ST		0.667	8	1958	450	526	3	1 1994 1 1991	2009-1108	\$99000
2010-1131         N 2010 STLEAN         W BURLEIGN ST         0.667         8         1932         300         304         2         1         3000         2010-1120         940000           2010-1120         M 2000 STLEAN         W BURLEIGN ST         0.667         6         1673         450         322         3         1         1         940000           2010-1120         M 2000 STLEAN         W BURLEIGN ST         0.667         6         1899         300         433         2         3         2         3         2         3         2         3         2         3         2         3         2         3         2         3         2         3         2         3         2         3         2         3         2         3         2         3         2         3         2         3         3         2         3         3         2         3         3         2         3         3         2         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3         3			N 2ND ST		0.667	6	1914	450	282	3		2009-1116	\$99000
2809-132         N STUSTONENAV         WACHBOANST         0.667         6         1873         460         322         3         1982         2009-1109         \$49000           2010-1121         W STATLST         0.667         6         1807         400         330         2         9         2009-1135         \$49000           2010-1121         W STATLST         0.667         6         1807         400         359         3         200         2009-1135         \$49000           2010-1121         W STATLST         0.667         6         1907         450         359         3         200         2009-1135         \$49000           2010-1124         W STATLST         0.667         6         1901         350         228         9         3         200         2009-1135         \$49000           2010-1124         M STATLST         0.667         6         1904         300         281         2         7         1992         2009-1135         \$49000         2009-1142         \$132000           2010-1124         M STATLST         0.667         6         1904         300         281         2         7         2009-1122         \$132000           2010-1124 <td></td> <td></td> <td>W BURLEIGH ST</td> <td></td> <td>0.667</td> <td>8</td> <td>1932</td> <td>300</td> <td>304</td> <td>2</td> <td>1 2005</td> <td>2009-1121</td> <td>\$66000</td>			W BURLEIGH ST		0.667	8	1932	300	304	2	1 2005	2009-1121	\$66000
2010-1121         W SCOTT ST         S 1971 ST         S 1971 ST         0.667         6         1899         300         433         2         8         2000-1126         546000           2010-1121         N FUNDSCHUDE SY         E BADY ST         0.667         6         1877         480         450         350         3         2000-1135         546000           2010-1124         W FUNDSCHUDE SY         W HAMPONAV         0.667         8         1956         900         527         6         2000-1135         546000           2010-1126         W FUNDSCHUDE SY         W HAMPONAV         0.667         8         1951         1350         228         2         16662         2000-1121         537000           2010-1126         W FUNDSCHUD SY         0.667         6         1948         450         158         3         2000-1121         533000           2010-1126         W FUNDSCHUD SY         0.667         8         1904         300         401         2         2000-1121         533000           2010-1120         W SUNDST AV         0.667         8         1904         300         401         2         2000-1121         533000           2010-1120         W SUNDST AV			W MICHIGAN ST		0.667	6	1873	450	392	3	1 1995	2009-1 10 <del>9</del>	\$99000
2010-1122         N HUMBOLDE AY         E BRACY ST         0.667         6         1977         450         359         3         200         200-1136         Seption           2010-1124         N MOLEDAL         S BOTHST         0.667         8         1966         300         527         6         2000         124         Statistics			S 19TH ST		0.667	6	1899	300	433	2	-	2009-1126	\$66000
2010-1131         W BURDES AV         s Buth ST         0.667         8         1956         900         527         6         2008         2008-1124         \$198000           2010-1132         N BURDES AV         0.667         8         1951         1500         228         9         2008         2008-1130         \$257700           2010-1126         K MECANDO ST         N BURTUR ST         0.667         6         1948         600         248         4         1008         2008-1130         \$257700           2010-1126         K MECANDOS ST         N MERBANTZAV         0.667         6         1948         600         248         4         1008         2008-1122         \$1512000           2010-1127         N WILSKIT AV         400 NOW FLORIST AV         0.667         6         1948         450         248         4         1008         2008-1122         \$1512000           2010-1128         M SCHEST AV         0.667         6         1948         450         245         3         2008-1112         \$15000           2010-1129         S SUNDST         0.667         6         1926         450         245         3         2008-1112         \$15000         \$2008-1112         \$15000					0.667	6	1877	450	359	3	1 2001	200 <del>9</del> -1135	\$99000
2010-1124         N #GILSTLALE AV         W HAMPTON AV         0.667         8         1951         1350         228         9         1         2002         2009-1130         \$297000           2010-1125         F. MERANS ST         N BUFFUN ST         0.667         6         1900         300         21         1         1998         2009-1122         \$132000           2010-1126         N #LERANS ST         N BUFFUN ST         0.667         6         1904         300         218         4         2009         1022         \$132000           2010-1126         WIREBANTZ AV         0.667         6         1948         600         158         3         2009         1122         \$132000           2010-1127         WIREBANT         S200 ST         0.667         8         1957         600         552         4         2009-1128         \$2009-1118         \$132000           2010-1128         WIREBANT         N BROADWAY         0.667         6         1928         300         362         2         2009-1118         \$132000           2010-1132         VIRUESTAV         0.667         6         1926         400         2009-1118         \$132000         \$132000         \$12009-1114 <td< td=""><td></td><td></td><td></td><td></td><td>0.667</td><td>8</td><td>1956</td><td>900</td><td>527</td><td>6</td><td>1 2006</td><td>2009-1124</td><td>\$198000</td></td<>					0.667	8	1956	900	527	6	1 2006	2009-1124	\$198000
2010-1126         E         ANERANDS ST         N BUFFUN ST         0.667         6         1900         300         281         2         1         988         2009-1117         588000           2010-1126         N STLARL, DR         W FIEBRANTZ AV         0.667         6         1948         600         246         1         3082 209-1122         5132000           2010-1128         W SCHIGAN AV         W FLORIST AV         0.667         6         1948         400         2         0         2009-1122         533000           2010-1128         W SCHIGAN AV         W LATTONAV         0.667         6         1904         300         401         2         0         2009-1118         \$132000           2010-1129         SAND ST         N SAND ST         0.667         8         1932         300         392         2         000         2009-1118         \$132000           2010-1130         SAND ST         N SCHARCHONAV         V LATONAV         0.667         6         1928         450         245         3         0         2009-1132         \$58000           2010-1130         W SCHARCHONAV         E DOCEWOOD AV         0.667         6         1937         600         302					0.667	8	1951	1350	228	9	1 2003	2009-1130	\$297000
2010-1126         N         MOTLART         WHERRATZ AV         0.667         6         1948         600         248         4         1         2000-1122         \$132000           2010-1127         N         MUTLART         AV         400 NO WFLORIST AV         0.667         6         1944         450         158         3         2000-1122         \$132000           2010-1128         W MUTLART         S 32ND ST         0.667         6         1944         450         158         3         2000-1122         \$56000           2010-1128         \$ \$1000         0.667         6         1957         600         595         4         2000-1132         \$56000           2010-1131         MULATCANAV         0.667         6         1926         450         245         3         9         2000-1132         \$580000           2010-1132         MULATCANAV         EEDGEWOOD AV         0.667         6         1926         450         245         3         9         2000-1132         \$58000           2010-1132         VEMMELONAV         EEDGEWOOD AV         0.667         6         1937         600         302         4         1         900         2000-1132         \$58000					0.667	6	1900	300	281	2		2009-11 <b>1</b> 7	\$66000
2010-1137         N 37LLST AV         400 MO W FLORIST AV         0.667         6         1948         450         158         3         2003         2009-1110         599000           2010-1132         W MCLTBAN ST         5.32ND ST         0.667         6         1904         300         401         2         0         2009-1129         555000           2010-1132         S MARCH MAY MAY         0.667         8         1957         600         595         4         2009-1132         550000           2010-1132         N BROADWAY         0.667         8         1932         300         392         2         2009-1112         550000           2010-1132         N BROADWAY         0.667         6         1932         300         392         2         300         392         20         2009-1112         550000           2010-1131         N BROADWAY         0.667         6         1937         600         302         4         1         1990         2009-1111         5132000           2010-1133         N BULLEICH ST         0.667         6         1951         600         591         4         1         2002         133         577400000 37         5740000 37         577					0.667	6	1948	600	248	4	1 2006	2009-1122	\$132000
2010-1128         W MICHIGAN ST S 32ND ST         S 32ND ST         0.667         6         1904         300         401         2         0         2000-1128         568000           2010-1128         S 5TH ST S 101 ST 2010-1130         S STH ST S 101 SS T S 101 SS T 2010-1131         N BROADWAY         0.667         8         1932         300         392         2         1         2010         2009-1114         568000           2010-1131         W STON ST AV STON ST AV         N BROADWAY         0.667         6         1926         450         245         3         0         2009-1132         568000           2010-1132         N SUMMERY AV         E EDGEWOOD AV         0.667         6         1914         900         278         6         2003         2009-1132         5186000           2010-1133         N STH ST W STH ST 2010-1135         W STH ST W STH ST 2010-1135         0.667         6         1951         600         302         4         1         1882         2009-113         Statsoo           2010-1135         W STH ST W STH ST 2010-1135         S DELAWARE AV         0.667         6         1951         600         302         4         2         2002         2009-113         Statsoo           2010-1135 <td></td> <td></td> <td></td> <td></td> <td>0.667</td> <td>6</td> <td>1948</td> <td>450</td> <td>158</td> <td>3</td> <td>1 2003</td> <td>2009-1110</td> <td>\$99000</td>					0.667	6	1948	450	158	3	1 2003	2009-1110	\$99000
2010-1129         S BTH ST SUM VALAYTON AV         W LAYTON AV         W LAYTON AV         0.667         8         1957         600         595         4         2007         2009-1118         \$132000           2010-1130         E SIAJESETST         N BROADWAY         0.667         8         1932         300         392         2         1         2007         2009-1114         \$132000           2010-1131         W STEMSENTST         N BROADWAY         0.667         6         1928         450         245         3         0         2009-1132         \$199000           2010-1131         N STEMST         W BURKERY KY         E EDDEWCOD AV         0.667         6         1927         600         302         4         1         986         2009-1132         \$199000         \$133000           2010-1134         B STEST KY         W BURKERY KY         0.667         6         1907         600         302         4         1         2005         2009-1132         \$132000           2010-1135         W SEEMST AV         N BERST KY         N BERST KY         0.667         6         1905         600         2104         1         2005         2009-1133         \$132000           2010-1135         <					0.667	6	1904	300	401	2			\$66000
2010-1130         E STATE ST SUBJECT         N BROADWAY         0.667         8         1932         300         392         2         1         2000         2009-1114         S66000           2010-1131         W STKINSON AV (S/S) S 21ST ST         S 21ST ST         0.667         6         1926         450         245         3         0         2009-1132         S99000           2010-1131         N STKINSON AV (S/S) S 21ST ST         S 21ST ST         0.667         6         1914         900         278         6         1         2000         1132         S99000           2010-1132         N SUMMOR AV (S/S) S 21ST ST         S 21ST ST         0.667         6         1937         600         302         4         1         900         178         6         1         2007         2009-1111         S132000           2010-1131         W SURJERS T         W BURLEIGH ST         0.667         6         1995         600         436         4         0         2009-1112         Relay to # x & relay of # x & relay of # x & relay of # x & relay of # x & relay of # x & relay of # x & relay of # x & relay of # x & relay of # x & relay of # x & relay of # x & relay of # x & relay of # x & relay of # x & relay of # x & relay of # x & relay of # x & relay of # x & relay of # x & relay of # x & relay of # x & relay of # x & relay of # x & relay of # x &					0.667	8	1957	600	595		1 2007	2009-1118	\$132000
2010-1131         W ATKINGON AV (S/S) S 21ST ST         S 21ST ST         0.667         6         1926         450         245         3         0         0 2009-1132         S 99000           2010-1132         N SUMMIT AV EEDGEWOOD AV         0.667         6         1914         900         278         6         2007         2009-1119         S 99000           2010-1133         N SULMIT AV EEDGEWOOD AV         0.667         6         1937         600         302         4         1 1988         2009-1111         S 198000           2010-1134         E SOTTSFT S 37TH ST         S DELAWARE AV         0.667         6         1951         600         591         4         0         2005         2009-1112         Paragy/mit Av         S 132000           2010-1135         W SOTT ST S 37TH ST         S 37TH ST         0.667         6         1905         600         436         4         0         2009-1133         S 13200           2010-1136         W HEREET AV N BATH ST         N BATH ST         0.667         6         1956         600         213         4         1         2003         209-1115         C 44AGED LIMITS         513200           2010-1137         S 60TH ST S 0TH ST         N BATH ST         0.667 </td <td></td> <td></td> <td></td> <td></td> <td>0.667</td> <td>8</td> <td>1932</td> <td>300</td> <td>392</td> <td>2</td> <td>1 2001</td> <td>2009-1114</td> <td>\$66000</td>					0.667	8	1932	300	392	2	1 2001	2009-1114	\$66000
2010-1132         N         SUMMIT AV ENDEWOOR IV.         E EDGEWOOD AV         0.667         6         1914         900         278         6         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007         2007 <th< td=""><td></td><td></td><td></td><td></td><td>0.667</td><td>6</td><td>1926</td><td>450</td><td>245</td><td>3</td><td>0 0</td><td>1</td><td>\$99000</td></th<>					0.667	6	1926	450	245	3	0 0	1	\$99000
2010-1133         N 85TH ST WELAMEERS ST 2010-1134         W BURLEIGH ST         0.667         6         1937         600         302         4         1         1996 1996         2009-1111         3132000           2010-1134         E BOTTSFORD AV SCHMESTY         S DELAWARE AV         0.667         6         1951         600         591         4         0         2009-1112         Relay to 8* x 5* reducer at 3. Pennsylvania Ave 3132000           2010-1136         W SCOTT ST SSTH ST         S 37TH ST         0.667         6         1905         600         436         4         0         2009-1133         Stazooo           2010-1137         S SOTH ST SSTH ST         S 37TH ST         0.667         6         1956         600         213         4         1         1988         2009-1115         CHANGED LIMITS \$13200           2010-1138         S WILLST         0.667         6         1954         600         555         4         1         1988         2009-1125         S132000           2010-1138         W HANGED AV         W HOWARD AV         2009-157         0.667         8         1962         300         559         2         0         2009-1123         S60000           2010-1140         W HOWARD AV					0.667	6	1914	900	278	6	1 2007	2009-1119	\$198000
2010-1134         E BOTTSFORD AV SPENNSTUNANAAV         S DELAWARE AV         0.667         6         1951         600         591         4         1         2005         2009-1112         Relay to B* t 6* reducer at S. Pennstykaria Avas           2010-1136         W SCOTT ST S3TH ST         S 3TH ST         S 3TH ST         0.667         6         1905         600         436         4         0         0         2009-1133         S13200           2010-1136         W HERBERT AV MERNERT AV WERNEFORD AV         N B4TH ST         0.667         6         1956         600         213         4         1         2003         2009-1115         CHANGED LIMITS \$13200           2010-1137         S OTH ST WERNEFORD AV         W HOWARD AV         2009-157         0.667         6         1954         600         555         4         1         188         2009-1125         S132000           2010-1138         S WTRPORD AV WERNEFORD AV         W TRIPOLI AV         0.667         8         1962         300         559         2         0         0         2009-1138         S265100           2010-1140         W FOND DU LAC AV WERNE ST         N 87TH ST         0.659         8         1929         455         325         3         1         2					0.667	6	1937	600	302	4	1 1986	2009-1111	\$132000
2010-1135         W SCOTT ST S 35TH ST         S 37TH ST         0.667         6         1905         600         436         4         0         0         2009-1133         S 13200           2010-1136         W HERBERT AV N 8XID ST         N B4TH ST         0.667         6         1956         600         213         4         1         2009-1133         S 13200           2010-1137         S 07TH ST         0.667         6         1956         600         213         4         1         2009-1115         CHANGED LIMITS         \$ 13200           2010-1137         S 07TH ST         W HOWARD AV         2009-157         0.667         6         1954         600         555         4         1         1988         2009-1125         \$ 13200           2010-1138         S 07TH ST         0.667         8         1962         300         559         2         0         0         2009-1125         \$ 13200           2010-1138         W RAWFORD AV         W RENDERT AT         0.667         8         1962         300         559         2         0         0         2009-1138         \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	2010-1134 E	BOTTSFORD AV			0.667	6	1951	600	591	4	1 2005		
2010-1136         W HERBERT AV N 82/N ST         N 84TH ST         0.667         6         1956         600         213         4         1         2003         2009-1115         CHANGED LIMITS         \$13200           2010-1137         S         50TH ST W CRAWFORD AV         W HOWARD AV         2009-157         0.667         6         1954         600         555         4         1         1988         2009-1125         \$132000           2010-1138         S 0TH ST W CRAWFORD AV         W TRIPOLLAV         0.667         8         1962         300         559         2         0         2009-1123         \$566000           2010-1139         W LANCASTER AV N STH ST         N 87TH ST         0.6664         8         1959         1205         214         8         2009         2009-1138         \$265100           2010-1149         W FOND DU LAC AV W COAK ST         W ASH ST         0.659         8         1929         455         325         3         1         2008         2009-1138         \$100100           2010-1141         W POTOMAC AV W COAK ST         W ASH ST         0.659         8         1929         455         214         3         2009         2009-1137         \$100100           2010-1142 <td>2010-1135 W</td> <td>SCOTT ST</td> <td></td> <td></td> <td>0.667</td> <td>6</td> <td>1905</td> <td>600</td> <td>436</td> <td>4</td> <td>0 0</td> <td>2009-1133</td> <td></td>	2010-1135 W	SCOTT ST			0.667	6	1905	600	436	4	0 0	2009-1133	
2010-1137         S 50TH ST WCRAWFORD AV         W HOWARD AV         2009-157         0.667         6         1954         600         555         4         1         1988         2009-1125         \$132000           2010-1138         S WCRAWFORD AV         W TRIPOLI AV         0.667         8         1962         300         559         2         0         0         2009-1123         \$66000           2010-1139         W ANCASTER AV MESTH ST         N 97TH ST         0.664         8         1959         1205         214         8         2         2009         2009-1138         \$265100           2010-1140         W FOND DU LAC AV W OAKSTR AV WORAT DAC AV WASH ST         N 85TH ST         0.659         8         1929         455         325         3         1         2008         2009-1138         \$100100           2010-1141         W POTOMAC AV WGRAT DSADR         N 86TH ST         0.659         8         1958         455         214         3         1         2008         2009-1137         \$100100           2010-1142         E VIENNAAV N HUMBOLDT EV         N 86TH ST         0.658         6         1917         608         275         4         1         2008         2009-1140         \$133760 <tr< td=""><td>2010-1136 W</td><td>/HERBERT AV</td><td></td><td></td><td>0.667</td><td>6</td><td>1956</td><td>600</td><td>213</td><td></td><td>1 2003</td><td>2009-1115</td><td>CHANGED LIMITS \$132000</td></tr<>	2010-1136 W	/HERBERT AV			0.667	6	1956	600	213		1 2003	2009-1115	CHANGED LIMITS \$132000
2010-1138         S         BOTH ST WCRAWFORD AV         W TRIPOLI AV         0.667         8         1962         300         559         2         0         0         2009-1123         566000           2010-1139         W LANCASTER AV N85TH ST         N 87TH ST         0.664         8         1959         1205         214         8         2         2009         2009-1123         \$566000           2010-1140         W FOND DU LAC AV WORK ST         W ASH ST         0.659         8         1929         455         325         3         1         2008         2009-1138         \$100100           2010-1141         W FOND AV WORK ST         W ASH ST         0.659         8         1958         455         214         3         1         2009         2009-1138         \$100100           2010-1142         E VIENNA AV WORANTOSA DR         N 85TH ST         0.658         6         1917         608         275         4         1         2009         2009-1140         \$133760           2010-1143         W CARMEN AV NSTH ST         N 85TH ST         0.656         6         1654         305         253         2         1         2009         2009-1141         \$67100           2010-1144 <td< td=""><td></td><td></td><td></td><td>2009-157</td><td>0.667</td><td>6</td><td>1954</td><td>600</td><td>555</td><td></td><td>1 1988</td><td>2009-1125</td><td>\$132000</td></td<>				2009-157	0.667	6	1954	600	555		1 1988	2009-1125	\$132000
2010-1139         W LANCASTER AV MSTH ST         N 87TH ST         0.664         8         1959         1205         214         8         2         2009-1138         5265100           2010-1140         W FOND DU LAC AV W GAK ST         W ASH ST         0.659         8         1929         455         325         3         1         2008         2009-1138         \$100100           2010-1141         W POND DU LAC AV W GAK ST         W ASH ST         0.659         8         1929         455         325         3         1         2009         2019-1138         \$100100           2010-1142         W UENNAC AV W GRANCD ST DR         N 86TH ST         0.658         6         1917         608         275         4         1         2009         2009-1140         \$133760           2010-1142         E VIENNA AV N HOMBOLDT EV         700° E/O N HUMBOLDT EV         0.658         8         1958         760         177         5         1         2009         2009-1140         \$133760           2010-1144         N 85TH ST N MONE ST         N 89TH ST         0.656         6         1654         305         253         2         1         2009         2009-1141         \$67100           2010-1144         N 85TH ST N					0.667	8	1962	300	559		0 0	2009-1123	\$66000
2010-1140         W FOND DU LAC AV W OAK ST         W ASH ST         0.659         8         1929         455         325         3         1         2008         2009-1138         \$100100           2010-1141         W POTOMAC AV W GRANTOSA DR         N 86TH ST         0.659         8         1958         455         214         3         1         2009         2009-1137         \$100100           2010-1142         E VIENNA AV NHUMBOLDT BV         700° E/O N HUMBOLDT BV         0.658         6         1917         608         275         4         1         2009         2009-1140         \$133760           2010-1143         W CARMEN AV NEWTH ST         N 89TH ST         0.658         8         1958         760         177         5         1         2009         2009-1140         \$133760           2010-1144         N 85TH ST         W HOPE AV         0.656         6         1654         305         253         2         1         2007         2009-1141         \$67100           2010-1145         E LINNWOOD AV N MARIETTA AV         0.656         6         1896         305         317         2         1         2001         2009-1147         \$67100           2010-1145         E LINNWOOD AV N HOWE AV					0.664	8	1959	1205	214	8	2 2009	2009-1138	\$265100
2010-1141         W POTOMAC AV W GRANTOSA DR         N 86TH ST         0.659         8         1958         455         214         3         1         2009         2009-1137         \$100100           2010-1142         E VIENNA AV N HUMBOLDT BV         700° E/O N HUMBOLDT BV         0.658         6         1917         608         275         4         1         2009         2009-1140         \$133760           2010-1143         W CARMEN AV N 87TH ST         N 89TH ST         0.658         8         1958         760         177         5         1         2009         2009-1140         \$133760           2010-1144         N 85TH ST         N 89TH ST         0.656         6         1654         305         253         2         1         2007         2009-1141         \$67100           2010-1145         E LINNWOOD AV N SHEPARDAV         N MARIETTA AV         0.656         6         1896         305         317         2         1         2001         2009-1141         \$67100           2010-1145         E LINNWOOD AV N MARIETTA AV         N MARIETTA AV         0.656         16         1932         610         549         4         2         2008         2009-1144         \$134200           2010-1146					0.659	8	1929	455	325	3	1 2008	2009-1138	\$100100
2010-1142       E       VIENNA AV NHUMBOLDT BV       700° E/O N HUMBOLDT BV       0.658       6       1917       608       275       4       1       2009       2009-1140       \$133760         2010-1143       W CARMEN AV NOTH ST       N 89TH ST       0.658       8       1958       760       177       5       1       2009       2009-1140       \$133760         2010-1144       N 85TH ST       0.656       6       1654       305       253       2       1       2007       2009-1141       \$67100         2010-1145       E       LINNWOOD AV NSHEPARDAV       N MARIETTA AV       0.656       6       1896       305       317       2       1       2001       2009-1141       \$67100         2010-1146       W HOWARD AV NOVE STH ST       110 W/O S 5TH PL       0.656       16       1932       610       549       4       2       2008       2009-1144       \$134200         2010-1147       W VIENNA AV NEWTH ST       W BECKETT AV       0.656       8       1955       610       264       4       0       0       2009-1148       \$134200         2010-1148       S       1214       0.656       8       1955       610       264       4					0.659	8	1958	455	214	3	1 2009	2009-1137	\$100100
2010-1143         W CARMEN AV N 87TH ST         N 89TH ST         0.658         8         1958         760         177         5         1         2002 2002         2009-1139         \$167200           2010-1144         N 85TH ST WOLVE ST         W HOPE AV         0.656         6         1654         305         253         2         1         2007         2009-1141         \$67100           2010-1145         E         LINNWOOD AV N MARIETTA AV         N MARIETTA AV         0.656         6         1896         305         317         2         1         2001         2009-1141         \$67100           2010-1146         W HOWARD AV 170 E/O \$5TH ST         110 W/O \$5TH PL         0.656         16         1932         610         549         4         2         2008         2009-1144         \$134200           2010-1147         W IEVNA AV 170 E/O \$5TH ST         110 W/O \$5TH PL         0.656         8         1955         610         264         4         0         0         2009-1148         \$134200           2010-1148         VIENNA AV N K68TH ST         W BECKETT AV         0.656         8         1955         610         264         4         0         0         2009-1148         \$134200					0.658	6	1917	608	275	4	1 2009	2009-1140	\$133760
2010-1144       N       85TH ST WOLVE ST       W HOPE AV       0.656       6       1654       305       253       2       1       2007       2009-1141       \$67100         2010-1145       E       LINNWOOD AV NSHEPARDAV       N       MARIETTA AV       0.656       6       1896       305       317       2       1       2007       2009-1147       \$67100         2010-1146       W       HOWARD AV 170' E/O \$5TH ST       110' W/O \$5TH PL       0.656       16       1932       610       549       4       2       2008       2009-1144       \$134200         2010-1147       W IEONNA AV NOBTH ST       W BECKETT AV       0.656       8       1955       610       264       4       0       0       2009-1148       \$134200         2010-1148       \$ 171H ST       W BECKETT AV       0.656       8       1955       610       264       4       0       0       2009-1148       \$134200         2010-1148       \$ 171H ST       0.656       6       1024       610       525       4       1       2007       2009-1143       \$134200					0.658	8	1958	760	177	5	1 2009	2009-1139	\$167200
2010-1145         E LINNWOOD AV N MARIETTA AV         N MARIETTA AV         0.656         6         1896         305         317         2         1         2001         2009-1147         \$67100           2010-1146         W HOWARD AV 170* EOS 5TH ST         110* W/O S 5TH PL         0.656         16         1932         610         549         4         2         2009-1144         \$134200           2010-1147         W VIENNA AV NORTH ST         W BECKETT AV         0.656         8         1955         610         264         4         0         0         2009-1148         \$134200           2010-1148         S 1212         0.656         8         1955         610         264         4         0         0         2009-1148         \$134200           2010-1148         S 1214         0.656         8         1955         610         264         4         0         0         2009-1148         \$134200           2010-1148         S 1214         S 1214         S 121200         \$134200         \$134200         \$134200					0.656	6	1654	305	253	2	1 2007	2009-1141	\$67100
2010-1146         W HOWARD AV 170' EO S 5TH ST         110' W/O S 5TH PL         0.656         16         1932         610         549         4         2         2000 2009-1144         \$134200           2010-1147         W VIENNA AV N 68TH ST         W BECKETT AV         0.656         8         1955         610         264         4         0         0         2009-1148         \$134200           2010-1148         S 124200         0.656         8         1955         610         264         4         0         0         2009-1148         \$134200           2010-1148         S 1211         0.656         8         1955         610         264         4         0         0         2009-1148         \$134200           2010-1148         S 1211         0.656         8         1924         610         525         4         1         2007         2009-1143         \$134200					0.656	6	1896	305	317	2	1 2004		\$67100
2010-1147         W VIENNA AV N 68TH ST         W BECKETT AV         0.656         8         1955         610         264         4         0         0         2009-1148         \$134200           2010-1148         \$ 17TH ST         0.656         8         1955         610         264         4         0         0         2009-1148         \$134200           2010-1148         \$ 17TH ST         0.656         8         1924         610         525         4         1         2002 2009-1143         \$134200					0.656	16	1932	610	549			2009-1144	\$134200
2010-1148 S 17TH ST		/ VIENNA AV			0.656	8	1955	610	264			2009-1148	 \$134200
	2010-1148 S		W EUCLID AV		0.656	6	1924	610	535			2009-1143	\$134200

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Index No	Localion of Project		Water Main Replacement	Breaks per 100 ft.	Size	Year Installed	Length	Qtr Sec	No. of	Breaks	Previous Index No.	
2010-1149	N 18TH ST W WRIGHT ST	W CLARKE ST		0.656	6	1892	610	324	4 8	2 2005 ) 0	2009-1142	Relay to 8 x 6 reducer at S/L of W_Clarke S1. \$134200
2010-1150	and a second second second second second second second second second second second second second second second	E OKLAHOMA AV		0.656	6	1925	610	538	4 8	) 0	2009-1145	\$134200
2010-1161	W MANITOBA ST S 15TH PL	S 16TH ST		0.656	6	1913	305	508	2	2006 0 0	2009-1146	Relay from reducer to reducer \$67100
2010-1162	S 39TH ST W PIERCE ST	W NATIONAL AV		0.654	6	1908	765	436	5	: 1973 1972	2009-1150	\$168300
2010-1153	W MCKINLEY BL	N 29TH ST		0.654	6	1900	612	365	4	2006 2004	2009-1149	\$134640
2010-1154	W CONGRESS ST N 42ND ST	N SHERMAN BV		0.652	12	1937	460	229	3 8		2009-1153	\$101200
2010-1155	W RICHARDSON PL N 28TH ST	N 29TH ST		0.652	6	1905	460	388	3	2007 0 0	2009-1154	\$101200
	W EDGERTON AV S 23RD ST	S 26TH ST	2010-413	0.652	12	1957	920	623	6	2003 0 0	2009-1152	\$202400
2010-1157	E VAN BECK AV 450' W/O S IOWA AV	S IOWA AV		0.652	6	1959	460	583	3	2008	2009-1151	\$101200
2010-1158	W FLAGG AV W FOND DU LAC AV	N 91ST ST		0.651	8	1958	1075	177	7	2007	2009-1155	\$236500
	W MICHIGAN ST N 26TH ST	N 28TH ST		0.651	6	1888	768	400	5 8		2009-1156	\$168960
2010-1160	S 39TH ST WEUCLID AV	W OHIO AV		0.650	8	1948	615	532	4	2008	2009-1157	\$135300
2010-1161	W VERONA CT S 63RD ST	S 65TH ST		0.650	8	1953	615	529	4 8		2009-1158	\$135300
2010-1162	W HAMPTON AV N 77TH ST	N 79TH ST		0.645	8	1957	620	213	4	2004	2009-1160	\$136400
	N 77TH ST W KEEFE AV	W NASH ST		0.645	6	1952	620	263	4	2004	2009-1166	\$136400
2010-1164		W BECHER ST	2010-628	0.645	6	1885	620	469	4	2006	2009-1167	\$136400
2010-1165	W PARNELL AV S 27TH ST	S 29TH ST		0.645	12	1957	775	669	5	2008	2009-1169	\$170500
2010-1166		E TESCH AV		0.645	6	1938	310	583	2	t 1985 1978	2009-1181	\$68200
2010-1167	W LOCUST ST N 54TH ST	N 56TH ST		0.645	8	1925	620	306	4 1	1 2002 ) 0	2009-1170	\$136400
2010-1168	S HONEY CREEK CR	S 69TH ST		0.645	8	1957	310	558	2	2001	2009-1162	\$68200
2010-1169	W LEROY AV S 66TH ST	S 67TH ST	2010-618	0.645	6	1961	310	572	2		2009-1165	\$68200
2010-1170	N 83RD ST WGLENAV	W MEDFORO AV		0.645	8	1956	620	187	4	2008	2009-1168	\$136400
2010-1171	N 97TH ST W VERA AV	W ROCHELLE AV		0.645	6	1962	775	116	5 (		2009-1159	\$170500
2010-1172	S MASSACHUSETTS AV W MORGAN AV	W EDEN PL		0.645	6	1956	465	558	3	t 2009	2009-1163	\$102300
2010-1173	N 61ST ST W BOBOLINK AV	W FLORIST AV		0.645	6	1957	620	174	4	t 2005 1 1997	2009-1164	\$136400
	W HAMPTON AV 454' E/O N 103RD ST	N 104TH ST		0.642	16	1958	623	221	4 8	1 2004 ) 0	2009-1172	\$137060
	W OKLAHOMA AV S 41ST ST	S 43RD ST		0.642	8	1928	623	511	4 8		2009-1171	\$137060
	N STOWELL AV E BELLEVIEW PL	E PARK PL		0.641	6	1891	468	319	3	1 2005 1 2004	2009-1173	\$102960
	W THURSTON AV N 38TH ST	N 40TH ST		0.640	8	1949	625	171	4 (	1 2007	2009-1175	\$137500
	WALVINA AV	625' W OF S 1ST ST		0.640	6	1960	625	687	4	1 2008	2009-1174	\$137500
2010-1179	N 24TH ST W NATIONAL AV	W MINERAL ST		0.638	6	1892	470	434	3	1 1996 D 0	2009-1179	\$103400
2010-1180	S 32ND ST W SCOTT ST	W MADISON ST		0.638	6	1902	470	435	3	1 2004 2 2000	2009-1176	\$103400
	N 47TH ST (W/S) W FAIRMOUNT AV	W EGGERT PL		0.638	6	1956	940	209	6		2009-1177	\$206800

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index No	Location of Project		Water Main Replacement	Breaks per 100 ft.	Size	Year Installed	Length	Qtr Sec	No. o	f Breaks	Previous Index No.	
	W FOREST HOME AV (S/S) W MORGAN AV	S 54TH ST		0.638	12	1953	470	556	3	1 1996 1 1990	2009-1178	breaks corrected 2003 ksr \$103400
2010-1183	N TEUTONIA AV WVILLARDAV	W CUSTER AV		0.636	12	1928	1100	193	7	0 0	2009-1180	\$242000
	W HOLT AV S 20TH ST	315' W/O S 20TH ST		0.635	8	1937	315	534			2009-1187	\$69300
2010-1185	S 51ST ST W MANITOBA ST	W OKLAHOMA AV		0.635	12	1949	630	513	4	2 1992 0 0	200 <del>9</del> -1185	\$138600
	N 68TH ST W CARMEN AV	W BOBOLINK AV		0.635	8	1953	630	175	4		2009-1 192	Ilmits change 2004 \$138
	W LANCASTER AV N 66TH ST	N 67TH ST		0.635	8	1957	315	211	2		2009-1191	\$69300
010-1188	E OKLAHOMA AV S NEW YORK AV	S DELAWARE AV		0.635	6	1921	315	541	2		2009-1 190	\$69300
	N HARTUNG AV NEMERY AV	W LISBON AV		0.635	6	1928	630	305	4		2009-1184	\$138600
	W MARION ST N 85TH ST	N 86TH ST		0.635	8	1956	315	253	2		2009-1183	\$69300
2010-1191		W BURLEIGH ST		0.635	6	1948	630	302	4		2009-1186	\$138600
2010-1192		W VILLARD AV		0.635	12	1955	630	213	4		2009-1181	\$138600
010-1193		W HOWARD AV		0.635	8	1959	315	55 <del>9</del>	2		2009-1182	\$69300
010-1194		N HOLTON ST		0.635	6	1915	630	274			2009-1188	\$138600
010-1195	W ANDOVER RD 600' NW/O W JERELYN PL	W JERELYN PL		0.635	8	1954	630	491	A		2009-1189	\$138600
010-1196		W RUBY AV		0.633	12	1956	790	224	5		2009-1193	\$173800
010-1197		E DENTON AV		0.632	6	1952	1740	586	11		2009-1194	\$382800
010-1198	N FOND DU LAC AV	N 27TH ST		0.632	8	1929	475	325	3		2009-1198	\$104500
010-1199		W WALNUT ST		0.632	6	1887	475	364		• •	2009-1197	\$104500
010-1200		850' N/O W COLLEGE AV	2010-016	0.632	16	1958	950	688			2009-1195	\$209000
010-1201	W MILL RD 250° E/O N 40TH ST	N 42ND ST		0.632	8	1959	950	137	6		2009-1196	\$209000
010-1202		W FINN PL		0.627	6	1910	638	283	4		2009-1199	\$140360
010-1203		W THURSTON AV		0.625	6	1949	800	171	5	-	2009-1222	\$176000
010-1204		S PINE AV		0.625	8	1936	320	548	2	1 2003 1 2002 1 2001	2009-1201	\$70400
010-1205		W WILBUR AV		0.625	8	1957	640	560	4		2009-1226	\$140800
010-1206		W VIENNA CT		0.625	6	1952	480	264	3		2009-1212	\$105600
010-1207		W WISCONSIN AV		0.625	6	1919	800	403	5	<u> </u>	2009-1203	\$176000
010-1208	N 42ND PL WHOPE AV	W MARION ST		0.625	6	1946	640	247			200 <del>9</del> -1 <b>20</b> 0	\$140800
010-1209	the second second second second second second second second second second second second second second second se	W DAKOTA ST		0.625	6	1950	640	515			2009-1 <b>20</b> 7	\$140800
010-1210		W BOBOLINK AV		0.625	6	1954	640	174	4		2009-1221	\$140800
010-1211	W OKLAHOMA AV S 50TH ST (NVS)	S 51ST ST (N/S)		0.625	12	1949	320	512	2	1 2001	2009-1224	\$70400
	N MILWAUKEE RIVER PK 800' S/O W BIRCH AV	W BIRCH AV		0.625	8	1950	800	196	5	1 1950 1 2004	2009-1214	\$176000
	W HOLT AV S 15TH ST			0.625	8	1924	320	535	2	0 0 2 2001 0 0	2009-1205	\$70400
010-1214		S 15TH PL		0.625	6	1928	800	269	5		2009-1219	\$176000

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lndex No	Location of Project		Water Main Replacement	Breaks per 100 ft	Size	Year Installed	Length	Qtr Sec	No. o	f Breaks	Previous Index No.		
<mark>2</mark> 010-1215	W NASH ST N 1ST ST	N 2ND ST		0.625	6	1915	320	273	2	0	0 2009-1217		\$70400
	W OKLAHOMA AV S 68TH ST	275' W/O S 58TH ST		0.625	8	1953	320	515	2	1 200 0	6 2009-1211		\$257400
<b>2010-121</b> 7	W IONA TR W PARNELL AV	S 39TH ST		0.625	8	1959	320	667	2	0	0 2009-1215		\$70400
2010-1218	E SAVELAND AV S BRUST AV	S ALABAMA AV		0.625	8	1933	320	546	2	0	02009-1209		\$70400
2010-1219	N 92ND ST WHADLEY ST	W LOCUST ST		0.625	8	1929	640	301	4	1 200 0	2 2009-1213		\$140800
2010-1220	N 21ST ST W STARK ST	W FAIRMOUNT AV		0.625	6	1930	640	206	4	0	0 2009-1206		\$140800
2010-1221		W AUER AV		0.625	6	1914	640	286	4	0	02009-1225		\$140800
2010-1222		S SWAIN CT		0.625	6	1924	320	540	2	1 200	1 2009-1202		\$70400
2010-1223	N 23RD ST W CLARKE ST	W CENTER ST		0.625	6	1892	640	325	4	1 200	4 2009-1204 2		\$140800
2010-1224	W MANITOBA ST S 40TH ST	S 41ST ST		0.625	8	1937	320	511	2	1 200	02009-1208		\$70400
2010-1225	S 57TH ST W MORGAN AV	W WARNIMONT AV		0.625	6	1951	640	556	4	t 200 2 198	3 2009-1220 7		\$140800
2010-1226	W ARMITAGE AV 40' E/O W FOND DU LAC AV	W/L OF W FOND DU LAC AV		0.625	8	1956	160	226	1		4 2009-12 t6		\$35200
	N 26TH ST WHOPE AV	W ROOSEVELT DR		0.625	6	1957	800	245	5	1 200	4 2009-1218		\$176000
	W VIENNA AV N 66TH ST	N 68TH ST		0.625	8	1955	640	265	4	1 200	3 2009-1223		\$140800
2010-1229		W GREEN TREE RD		0.623	12	1956	1925	143	12	1 200 1 200	6 2009-1227		\$423500
2010-1230	N 6TH ST WCLYBOURN ST	W MICHIGAN ST		0.621	12	1958	483	398	3		6 2009-1228		\$106260
2010-1231		W LISBON AV		0.620	6	1890	645	364	4	0	02009-1230		\$141900
2010-1232		W OKLAHOMA AV		0.620	6	1903	645	507	4	1 200	8 2009-1229		\$141900
2010-1233	W FOND DU LAC AV	W FLAGG AV		0.619	8	1961	1130	177	7	1 200 1 200	2 2009-1231		\$248600
2010-1234		W BROWN ST		0.619	6	1878	485	353	3		32009-1232		\$106700
2010-1235	N 94TH ST W MANOR CT	120' N/O W LARAMIE RD		0.619	8	1978	485	004	3	1 200	52009-1233		\$106700
	W LLOYD ST N 24TH ST	N 25TH ST		0.618	6	1892	647	350		1 200	5 2009-1234		\$142340
2010-1237	E HAMILTON ST N ARLINGTON PL	N WARREN AV		0.617	6	1899	324	355	2	1 200	6 2009-1237	i i	\$71280
2010-1238	W MONTANA ST S 60TH ST	S KINNICKINNIC RIVER		0.617	8	1953	648	514	4	0	0 2009-1236		\$142560
2010-1239	W CAPITOL DR	PKWY		0.617	8	1930	810	269	5	1 200	2009-1238		\$178200
2010-1239	W CAPITOL DR N 33RD ST	N 35TH ST		0.617					5	1 200	4 2009-1235		\$142560
	N 25TH ST	N 27TH ST		0.617	6 8	1891 1954	648 073	350	4	0	5 2009-1239		\$214060
2010-1241	W GERTRUDE DR W GRANTOSA DR	N 81ST ST		0.617			973	213	6	1 200	92009-1239		\$143000
2010-1242	W NASH ST	W VIENNA AV			8	1948	650	262		0	9		\$
	W MEINECKE AV	W WRIGHT ST		0.615	6	1926	650	329	-	0	9 2009-1267 0 7 2000 1262		\$
	N 76TH ST W BOBOLINK AV	W FLORIST AV		0.615	8	1958	650	176		0	7 2009-1262		\$143000
	S 91ST ST WWILBUR AV	W CRAWFORD AV		0.615	6	1957	650	560	4	U	8 2009-1266		
2010-1246	E HADLEY ST N FRATNEY ST	N WEIL ST		0.615	6	1908	650	314	4	0	0 2009-1258 0		\$143000



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Index No	Location of Project		Water Main Replacement	Breaks per 100 ft.	Size	Year Installed	Length	Qtr Sec	No. c	of Breaks	Previous Index No.		
2010-1247	N 69TH ST W CARMEN AV	W BOBOLINK AV		0.615	6	1957	650	175	4	1 2004	2009-1243	\$143000	,
2010-1248		E WRIGHT ST		0.615	6	1887	650	321	4		2009-1252	\$143000	i
2010-1249	W DAKOTA ST	W MANITOBA ST		0.615	6	1928	650	512	4	1 2002	2009-1246	\$143000	i
2010-1250	N 26TH ST W KILBOURN AV	W STATE ST		0.615	6	1889	650	389	4	1 2005	2009-1253	\$143000	ł
2010-1251	N 86TH ST W NASH ST	W VIENNA AV		0.615	6	1951	650	262	4		2009-1241	\$143000	ł
2010-1252	S 25TH ST W ORCHARD ST	W LAPHAM ST		0.615	6	1891	650	459	4		2009-1264	\$143000	i
2010-1263		W LAPHAM ST		0.615	6	1894	650	459	4	1 2002 0 0	2009-1250	\$143000	1
<b>201</b> 0-12 <b>54</b>	N 80TH ST W KEEFE AV	W NASH ST		0.615	6	1955	650	263	4	1 2000	2009-1249	\$143000	i
2010-1255	S 51ST ST WEUCLID AV	W OHIO AV		0.615	12	1954	650	530	4		2009-1244	\$143000	i
2010-1256	W SCOTT ST S 19TH ST	S 20TH ST		0.615	6	1899	325	433	2		2009-1263	\$71500	
2010-1257	S LOGAN AV E VAN NORMAN	E CUDAHY AV		0.615	6	1954	650	593	4		2009-1251	\$143000	1
2010-1258	N 93RD ST W CONCORDIA AV	W TOWNSEND ST		0.615	6	1949	650	294	4		2009-1255	\$143000	ł
2010-1259		W ROGERS ST		0.615	6	1890	650	468	4	-	2009-1259	\$143000	÷
2010-1260	N 48TH ST W VILLARD AV	W ROHR AV		0.615	6	1948	650	191	4	1 2003	2009-1256	\$143000	
2010-1261		W WRIGHT ST		0.615	6	1884	650	322	4	1 1989	2009-1265	\$143000	ŕ
2010-1262		W NASH ST		0.615	6	1927	650	268	4		2009-1269	\$143000	ſ
2010-1263	W LLOYD ST N 25TH ST	N 27TH ST		0.615	6	1892	650	350	4		2009-1268	\$143000	I
2010-1264	N 28TH ST W WRIGHT ST	W CLARKE ST		0.615	6	1895	650	326	4		2009-1257	\$143000	1
	N 25TH ST W LOCUST ST	W CHAMBERS ST		0.615	6	1904	650	310	4	1 2003	2009-1260	\$143000	1
2010-1266	W MONTANA ST S 55TH ST	S 57TH ST		0.615	8	1953	650	513	4	0 0	2009-1245	\$143000	1
2010-1267	W MANITOBA ST S 12TH ST	S 13TH ST		0.615	6	1913	325	507	2		2009-1254	\$71500	
	W DAKOTA ST S 29TH ST	S 31ST ST		0.615	8	1927	650	510	4	1 2003	2009-1248	\$143000	
2010-1269	N 8TH ST W MEINECKE AV	W WRIGHT ST		0.615	6	1890	650	323	4	1 1993 0 0	2009-1261	\$143000	
	W FIEBRANTZ AV N 91ST ST	N 92ND ST		0.615	8	1956	325	253	2	1 2003 1 2002	2009-1242	\$71500	
	N 23RD ST WHADLEY ST	W LOCUST ST		0.615	6	1893	650	310	4		2009-1247	\$143000	
2010-1272	W DENIS AV S 14TH ST	S 15TH PL		0.613	6	1960	815	670	5		2009-1272	\$179300	
	N 107TH ST W COUNTY LINE RD	W DONGES CT		0.613	16	1961	815	003	5		2009-1270	915' INCLUDES 35' 0 PIPE, \$17930	
2010-1274	W TRIPOLIAV S 45TH ST	S 48TH ST		0.613	8	1953	815	555	5		2009-1271	\$179300	
2010-1275	N 59TH ST W KILBOURN AV	N 58TH ST		0.612	6	1928	490	385	3		2009-1273	\$107800	
2010-1276	N 68TH ST W FIEBRANTZ AV	W HOPE AV		0.611	12	1955	655	250	4		2009-1274	\$144100	
2010-1277	W LINCOLN AV (N/S) S 6TH ST	S 8TH ST		0.611	6	1893	655	467	4		2009-1275	\$144100	
2010-1278	N 70TH ST W THURSTON AV	W CARMEN AV		0.611	6	1953	655	175	4	• •	2009-1276	\$144100	
	N 79TH ST WAUER AV	W LISBON AV		0.611	6	1948	655	292	4		2009-1277	\$144100	

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Index No	Location of Project		Water Main Replacement	Breaks per 100 ft	Size	Year Installed	Length	Qtr Sec	No o	f Breaks	Previous Index No	
2010-1280	S HONEY CREEK DR (W/S) S 71ST ST	W VERONA CT		0.610	6	1955	820	528	5	1 1993 2 1991	2009-1278	\$180400
2010-1281		W OHIO AV		0.607	6	1916	659	535	4		2009-1279	\$144980
2010-1282		W LINCOLN AV		0.606	6	1900	660	469	4	2 1996	2009-1289	\$145200
2010-1283	N 20TH ST WLOCUST ST	W CHAMBERS ST		0.606	6	1894	660	311	4		2009-1295	\$145200
2010-1284	S 91ST ST 125'S OF W VERONA CT	W MORGAN AV		0.606	8	1965	165	526	1	1 2005	2009-1298	\$36300
	N 42ND ST W STARK ST	330' N/O W STARK ST		0.606	6	1931	330	208	2	1 2002 1 2001	2009-1292	\$72600
2010-1286		W WILBUR AV		0.606	6	1927	660	551	4	1 2004	2009-1280	\$145200
2010-1287	W THURSTON AV N 56TH ST	N 58TH ST		0.606	8	1950	990	173	6	1 2003 0 0	2009-1288	\$217800
2010-1288	W BRENTWOOD AV N 83RD ST	N 85TH ST		0.606	8	1956	660	142	4	1 2008	2009-1285	Relay to 8x45 bend at N. 85th St. \$145200
<b>2010-1</b> 289	S 6TH ST W ROGERS ST	W BECHER ST		0.606	6	1885	660	467	4	0 0	2009-1296	\$145200
2010-1290	N 46TH ST W NORTH AV	W MEINECKE AV		0.606	6	1917	660	328	4	1 2003 0 0	2009-1290	\$145200
2010-1291	N 82ND ST W VIENNA AV	W MELVINA ST		0.606	6	1955	660	263	4	1 2006 1 2000	2009-1287	\$145200
2010-1292	W HAYES ST S 6TH ST	S 7TH ST		0.606	6	1924	330	497	2	1 2007 1 2001	2009-1293	\$72600
2010-1293	W LAPHAM BL S 15TH ST	S 15TH PL		0.606	8	1891	330	460	2	0 0	2009-1291	\$72600
2010-1294	N 19TH ST W LOCUST ST	W CHAMBERS ST		0.606	6	1893	660	311	4	1 2009 1 2004	2009-1294	\$145200
2010-1295	N 18TH ST WHADLEY ST	W LOCUST ST		0.606	6	1893	660	311	4	2 1991 1 1990	2009-1281	\$145200
2010-1296	N 86TH ST WLOCUST ST	W CHAMBERS ST		0.606	6	1948	660	302	4	1 2001 1 1994	2009-1299	\$145200
	S 34TH ST W ROGERS ST	W BECHER ST		0.606	6	1925	660	471	4	0 0	2009-1286	\$145200
2010-1298	N 71ST ST WHOPE AV	W MARION ST		0.606	8	1955	660	251	4	2 1997 1 1983	2009-1284	\$145200
201 <b>0-1299</b>	N 70TH ST W MARION ST	W CONGRESS ST		0.606	8	1955	660	251	4	2 1990 1 1989	2009-1283	\$145200
2010-1300	W STEVENSON ST N 79TH ST	N 80TH ST		0.606	6	1949	330	407	2	0 0	2009-1282	\$72600
2010-1301	W SHERIDAN AV N 53RD ST	N 55TH ST		0.602	8	1950	664	190	4	1 2003 1 1996	2009-1300	\$146080
2010-1302	W ACACIA ST N 76TH ST	N 80TH ST		0.602	8	1959	830	142	5	1 2008 1 2005	2009-1301	\$182600
2010-1303	S PENNSYLVANIA AV E OHIO AV	E HOLT AV		0.602	6	1924	665	541	4	1 2005 0 0	2009-1303	\$146300
2010-1304	E BELLEVIEW PL 500' W/O N CAMBRIDGE AVE	N CAMBRIDGE AV		0.600	6	1905	500	320	3	1 2001 1 1965	2009-1313	\$110000
2010-1305	W ARMOUR AV S 62ND ST	S 64TH ST	2013-001	0.600	6	1957	500	603	3	1 2008 0 0	2009-1304	\$110000
2010-1306	N FOND DU LAC AV W TAMARACK ST	W HICKORY ST		0.600	8	1929	500	325	3	2 1997 0 0	2009-1306	\$110000
2010-1307	W BOBOLINK AV (N/S) N 76TH ST	N 78TH ST		0.600	8	1958	500	176	3	0 0	2009-1309	\$110000
2010-1308	N ALOIS ST WSTATE ST	405' N/O W STATE ST (WE		0.600	6	1965	500	386	3	0 0 0 0	2009-1306	\$110000
2010-1309	N 40TH ST W VLIET ST	204) W CHERRY ST		0.600	6	1903	500	366	3	1 1987	2009-1307	\$110000
	N 84TH ST (E/S) W DERBY PL	W HAMPTON AV		0.600	12	1956	500	224	3	<u> </u>	2009-1305	\$110000
	N 31ST ST WST PAUL AV	W CLYBOURN ST	2010-645	0.600	6	1889	500	401	3		2009-1312	\$110000



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ndex lo	Location of Project		Water Main Replacement	Breaks per 100 ft.	Size	Year Installed	Length	Qtr Sec	No. o	f Breaks	Previous Index No.	
010-1312	E STEWART ST S KINNICKINNIC AV	S HILBERT ST		0.600	6	1888	500	466	3	1 1993 0 0	2009-131 t	\$110000
010-1313	W DAKOTA ST S 53RD ST	W STACK DR		0.600	8	1951	500	513	3	0 0	2009-1310	\$110000
10-1314	W GLENDALE AV N 78TH ST	W APPLETON AV		0.597	8	1956	837	224	5	1 2004 0 0	2009-1314	\$184140
	E HOLT AV S LENOX ST	S LOGAN AV		0.597	8	1927	335	539	2		2009-1319	\$73700
10-1316	W HOLT AV S 36TH ST	S 88TH ST		0.597	8	1960	670	526	4	1 2009 0 0	2009-1324	S
10-1317	N 81ST ST WLOCUST ST	W CHAMBERS ST		0.597	6	1928	670	303	4	3 2008 0 0	2009-1326	\$147400
10-1318	N 72ND ST W STARK ST	W FAIRMOUNT AV		0.597	6	1956	670	212	4	1 2006	2009-1320	\$147400
	N 22ND ST W CHAMBERS ST	W BURLEIGH ST		0.597	6	1897	670	310	4	2 2000 1 1997	2009-1321	\$147400
	N 60TH ST W SILVER SPRING DR	W THURSTON AV		0.597	8	1950	335	173	2		2009-1329	\$73700
10-1321	S 16TH ST W LINCOLN AV	W WINDLAKE AV		0.597	12	1896	1005	496	6	4 2005 0 0	2009-1327	\$221100
10-1322		W CHAMBERS ST		0.597	6	1922	670	307	4	-	2009-1322	\$147400
10-1323	N 74TH ST W STARK ST	W FAIRMOUNT AV		0.597	6	1956	670	212	4	1 2009	2009-1323	\$147400
	S 57TH ST WEUCLID AV	W OHIO AV (EXT'D)		0.597	8	1951	670	530	4		2009-1315	\$147400
	S 7TH ST WEUCLID AV	W OHIO AV		0.597	6	1926	670	536	4		2009-1325	 \$147400
	N PIERCE ST E HADLEY ST	E LOCUST ST		0.597	6	1893	670	314	4		2009-1318	 \$147400
	WAUERAV N 30TH ST	N 31ST ST	2007-689	0.597	6	1920	335	286	2		2009-t317	 \$73700
	N 12TH ST W WILSON DR	W BIRCH AV		0.597	12	1949	670	196	4		2009-1328	 \$147400
10-1329	N CASS ST	E OGDEN AV		0.597	6	1873	838	360	5		2009-1330	\$184360
10-1330	N 79TH ST W GLENDALE AV	W COURTLAND AV		0.595	8	1957	672	224	4		2009-1331	\$147840
10-1331	S 46TH ST WOKLAHOMA AV	W FOREST HOME AV		0.594	6	1961	505	531	3		2009-1332	\$111100
10-1332		W ROGERS ST	1	0.593	6	1910	675	471	4	1 2008	2009-1333	\$148500
10-1333	N 25TH ST W NORTH AV	W MEINECKE AV		0.593	6	1893	675	325	4	1 2008	2009-1334	\$148500
	N 51ST ST WHADLEY ST	W LOCUST ST		0.593	6	1922	675	306	4		2009-1336	\$148500
	N 52ND ST WCUSTER AV	W SHERIDAN AV		0.593	6	1950	675	190	4		2009-1337	\$148500
	W PORTAGE ST	N 55TH ST		0.593	6	1956	675	104	4		2009-1335	\$148500
	W CHAMBERS ST	N 81ST ST		0.592	8	1929	676	303	4	<u> </u>	2009-1340	 \$148720
	N 40TH ST WKEEFE AV	W NASH ST		0.592	6	1929	676	268	4		2009-1339	\$148720
	S 18TH ST W WHITAKER AV	W BOTTSFORD AV		0.592	6	1958	338	597	2		2009-1338	\$74360
10-1340	W PURDUE ST N 23RD ST	N 24TH PL		0.588	8	1930	680	231			2009-1658	\$149600
	S 8TH ST W BURNHAM ST	W ROGERS ST		0.588	6	1890	680	468	4		2009-1348	\$149600
	W NASH ST N 83RD ST	N 84TH ST		0.588	6	1955	340	263		-	2009-1341	\$74800
	N 31ST ST WATKINSON AV	W COURTLAND AV		0.588	6	1928	850	230	5		2009-1346	\$187000
	W CONGRESS ST	N 62ND ST		0.588	12	1955	680	226	4		2009-1345	\$149600

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Index No	Location of Project		Water Main Replacement	Breaks per 100 ft	Size	Year Installed	Length	Qtr Sec	No. o	f Breaks	Previous Index No.	
2010-1345	W WILBUR AV S 83RD ST	S 84TH ST	2011-605	0.588	8	1956	340	559	2	1 2007	2009-1347	\$74800
	W WILBUR AV S 54TH ST	S 55TH ST	2010-411	0.588	8	1953	340	556	2	0 0	2009-1342	\$74800
	N BOOTH ST E NORTH AV	E MEINECKE AV		0.588	6	1884	680	321	4	1 2006	2009-1343	\$149600
	W NASH ST N 76TH ST	N 78TH ST		0.588	8	1955	680	263	4		2009-1344	\$149600
	N 24TH PL W VLIET ST	W CHERRY ST		0.588	6	1889	510	364			2009-1351	\$112200
	E HOWARD AV S CLEMENT AV	S NEVADA ST		0.588	6	1955	680	582	4	1 2001	2009-1350	\$149600
	S LENOX ST S KINNICKINNIC AV	E RUSSELL AV		0.588	6	1893	340	500		0 0	2009-1352	\$74800
	W LOCUST ST N 89TH ST	N 90TH ST		0.588	8	1949	340	302	2	1 2002	2009-1353	\$74800
2010-1353	N 44TH ST W GARFIELD AV	W NORTH AV		0.588	6	1913	510	347	3	2 1993 1 1992	2009-1349	\$112200
	N 33RD ST W BROWN ST	W GARFIELD AV		0.585	6	1894	1025	349	6		2009-1354	\$225500
	W LOCUST ST	N 10TH ST		0.584	6	1892	685	312	4	1 2009	2009-1355	\$150700
	N FRANKLIN PL ELYON ST	E BRADY ST	1	0.583	6	1876	1200	359	7		2009-1356	\$264000
·	N 24TH PL WCAPITOL DR	W HOPE AV		0.583	6	1925	1030	245	6		2009-1357	\$226600
	N 10TH ST WKEEFE AV	W ATKINSON AV		0.581	6	1910	860	272	5		2009-1358	\$189200
	W WELLS ST (S/S) N 23RD ST	N 24TH ST		0.580	8	1930	345	389			2009-1360	\$75900
	W CHAMBERS ST N 8TH ST	N 9TH ST		0.580	6	1892	345	312	2	1 2005	2009-1364	\$75900
	W PARK HILL AV N 33RD ST	W/L OF N 35TH ST		0.580	8	1890	690	401	4	1 2006	2009-1362	\$151800
	W MEINECKE AV	N 10TH ST		0.580	6	1893	690	323	4	1 2001	2009-1363	\$151800
	W WELLS ST (N/S) N 23RD ST	N 24TH ST		0.580	8	1930	345	389	2		2009-1361	\$75900
	S SUNSET DR W WEDGEWOOD DR	S 71ST ST		0.580	8	1953	345	558		• •	2009-1359	\$75900
	N 23RD ST W GALENA ST	W WALNUT ST		0.579	6	1889	518	364	3		2009-1365	\$113960
	N 42ND ST 400° N/O W KILEY AV	W GOOD HOPE RD		0.578	8	1958	865	123	5	1 1997 1 1996	2009-1367	\$190300
	W RAMSEY AV S 23RD ST	S 26TH ST		0.578	12	1957	865	669	5		2009-1366	\$190300
2010-1368		865' S/O W HOWARD AV		0.578	12	1958	865	577	5		2009-1368	\$190300
2010-1369		W CAMERON AV		0.577	8	1961	1040	216	6		2009-1370	\$228800
<b>2010-137</b> 0		W STACK DR		0.577	6	1951	520	513	3	1 2000	2009-1371	\$114400
2010-1371		520' S/O E TESCH AV		0.577	6	1954	520	586	3		2009-1369	\$114400
201 <b>0-13</b> 72	N 33RD ST W GARFIELD AV	W NORTH AV		0.577	6	1894	520	349	7	• •	2009-1372	\$114400
	W SHERIDAN AV N 72ND ST	N 74TH ST		0.577	8	1954	520	188	3	-	2009-1373	\$114400
	W LISBON AV N 89TH ST	N 91ST ST	•	0.576	8	1928	694	262			2009-1374	\$152680
	N BARTLETT AV E NEWPORT AV	E PROVIDENCE AV		0.576	6	1893	695	280	4	1 2008	2009-1375	to 12" x 6" reducer at wport. \$152900
	W ALVINA AV \$ 23RD ST	S 26TH ST	2010-624	0.575	8	1957	870	690	5		2009-1376	\$191400
	N 40TH ST 125 NO W ST PAUL AV	W CLYBOURN ST		0.571	8	1926	350	402	2		2009-1397	\$77000

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Index Location of Project No		Water Main Replacement	Breaks per 100 ft.	Size	Year Installed	Length	Qtr Sec	No. c	of Breaks	Previous Index No.		
2010-1378 N 51ST BL W MARION ST	W CONGRESS ST		0.571	12	1949	700	248	4	1 2004 1 2003	2009-1380		\$154000
2010-1379 N VAN BUREN ST E STATE ST	E JUNEAU AV		0.571	6	1873	700	393	4		2009-1386		\$
2010-1380 N 28TH ST W ROOSEVELT DR	W CONGRESS ST		0.571	6	1928	700	246	4		2009-1394		\$154000
2010-1381 N 50TH ST W NORTH AV	W LISBON AV		0.571	6	1923	525	328	3		2009-1379		\$115500
2010-1382 N 35TH ST W THURSTON AV	W ORIOLE DR		0.571	8	1949	875	171	5		2009-1396		\$192500
2010-1383 W MILL RD N 76TH ST	N 77TH ST		0.571	8	1961	350	153	2		2009-1393		\$77000
2010-1384 S 92ND ST (W/S) W OKLAHOMA AV	W BELOIT RD		0.571	8	1957	700	525	4		2009-1399	···· ··· · · · · · · ·	Relay to cross at S/S of W.
2010-1386 N 71ST ST W THURSTON AV	W CARMEN AV		0.571	6	1954	350	175	2		2009-1384		Beloit Rd. \$154000 \$77000
2010-1386 S 30TH ST W NATIONAL AV	W SCOTT ST		0.571	6	1910	1050	435	6		2009-1382		CHANGED LIMITS \$231000
2010-1387 W METCALF PL N 99TH ST	N 100TH ST		0.571	8	1954	350	261	2		2009-1388		\$77000
2010-1388 N 83RD ST W FAIRMOUNT AV	W EGGERT PL		0.571	8	1955	700	213	4		2009-1391		\$154000
2010-1389 S 15TH ST W GREENFIELD AV	W ORCHARO ST		0.571	6	1897	350	460	2	2 2000	2009-1385		\$77000
2010-1390 N 67TH ST W CONGRESS ST	W RUBY AV		0.571	6	1955	700	226	4		2009-1390		\$154000
2010-1391 E HOMER ST S LENOX ST	S LOGAN AV		0.571	6	1891	350	500	2		2009-1383		\$77000
2010-1392 E WOODSTOCK PL N SUMMIT AV	N LAKE DR		0.571	6	1912	350	356	2		2009-1398		\$77000
2010-1393 W HENRY AV S 18TH ST	S 19TH ST		0.571	6	1961	350	689	2	-	2009-1377		\$77000
2010-1394 N 68TH ST W CONGRESS ST	WRUBYAV		0.571	12	1955	700	226	4		2009-1387	2.5.	\$154000
2010-1395 N 26TH ST W ROOSEVELT DR	W ATKINSON AV	2/	0.571	6	1922	350	245	2	1 1992	2009-1395		ASPH PAVING 1996 NW
2010-1396 W OKLAHOMA AV S 13TH ST	S 14TH ST		0.571	8	1923	350	535	2	1 1988 0 C	2009-1389		S77000 Relay to 8" x 6" reducer at E/L
2010-1397 W WALNUT ST N 12TH ST	175' W/O N 12TH ST		0.571	8	1939	175	362	1		2009-1392		of S. 14th St. \$77000 \$38500
2010-1398 N 98TH ST W COLONIAL DR	W TOWER VIEW BV		0.571	6	1949	700	301	4	• •	2009-1381		\$154000
2010-1399 S 20TH ST W HALSEY AV	350' S/O W HALSEY AV		0.571	16	1957	350	624	2		2009-1378		\$77000
2010-1400 N 52ND ST W MARION ST	W CONGRESS ST		0.569	6	1955	703	249	4		2009-1400		\$154660
2010-1401 N MILWAUKEE ST (W/S) E MENOMONEE ST	E BUFFALO ST		0.568	8	1948	880	396	5		2009-1611		\$193600
2010-1402 N 23RD ST W BROWN ST	W LLOYD ST		0.567	6	1895	529	350	3	<u> </u>	2009-1401		\$118380
2010-1403 N 24TH ST W BROWN ST	W LLOYD ST		0.566	8	1892	530	350	3	•	2009-1403		\$116600
2010-1404 N 26TH ST W BROWN ST	W LLOYD ST		0.566	6	1891	530	350	3	· ·	2009-1404		\$116600
2010-1405 W WISCONSIN AV N 24TH ST	N 25TH ST		0.566	8	1873	530	389	3		2009-1402		\$116600
2010-1406 N 23RD ST WHOPE AV	W CAPITOL DR		0.564	6	1925	1064	245	6		2009-1405		\$234080
2010-1407 S 30TH ST (W.E. 156A) 345' N/O W HOWARD AV	W HOWARD AV		0.563	6	1960	355	553	2		2009-1410		\$78100
2010-1408 W FOREST HOME AV 325' E/O S CRANDON PL	S CRANDON PL		0.563	8	1956	355	531	2		2009-1407		\$78100
2010-1409 N 63RD ST S/L W MARION ST	W CONGRESS ST		0.563	8	1955	710	250	4		2009-1409		\$156200
2010-1410 N 47TH ST W VILLARD AV	W ROHR AV		0.563	6	1949	710	191	4		2009-1406		\$156200
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2010-1411	E HOLT AV S HERMAN ST	S CLEMENT AV		0.563	8	1927	355	539	2	1 200 0	1 2009-1408		\$78100
2010-1412	N 14TH ST W GARFIELD AV	W NORTH AV		0.562	6	1886	890	351	5	1 200 2 200	12009-1411		\$195800
2010-1413	N 25TH ST W NASH ST	W VIENNA AV		0.561	6	1913	535	270		0	2009-1413		\$117700
2010-1414	s 8TH ST 450' N/O W CLEVELAND AV	W CLEVELAND AV		0.561	6	1902	535	497	3	1 200 1 200	12009-1412		\$117700
2010-1415	W DIXON ST N 78TH ST	N 80TH ST		0.560	8	1931	357	418	2	0	0 2009-1414		\$78540
2010-1416	S 34TH ST WOKLAHOMA AV	W LAKEFIELD DR		0.559	6	1931	537	533	3	1 200 0	4 2009-1415		\$118140
2010-1417		W MITCHELL ST		0.557	8	1929	539	459	3	1 200 0	4 2009-1416		\$118580
2010-1418	S 10TH ST 90 S/O W PLAINFIELD AV	630' S/O W PLAINFIELD AV		0.556	6	1949	540	579	3	2 200 0	8 2009-1429		s
2010-1419		N ASTOR ST		0.556	6	1885	360	354	2	1 200 1 199	1 2009-1419		\$79200
2010-1420	W CAPITOL DR 360' E/O N 98TH ST	N 98TH ST		0.556	16	1954	360	254	2	1 200 0	1 2009-1431		\$79200
	W WISCONSIN AV N 25TH ST	N 26TH ST		0.556	8	1873	360	389	2	1 <u>200</u> 1 199	2009-1420		\$79200
2010-1422	S 90TH ST 720' N/O W BURDICK AV	W BURDICK AV		0.556	6	1958	720	526	4	1 200 1 200	6 2009-1421		\$158400
2010-1423	N 16TH ST W STATE ST	W KILBOURN AV		0.556	6	1878	540	390	3	1 198	2 2009-1427		\$118800
2010-1424	N MURRAY AV E NEWBERRY BV	E LOCUST ST		0.556	6	1893	540	316	3	1 200 1 200	32009-1424		\$118800
2010-1425	N 28TH ST W BROWN ST	W LLOYD ST (EXT'D)		0.556	6	1889	540	349		3 199 0	5 2009-1432		\$118800
2010-1426	N 19TH ST W FAIRMOUNT AV	W EGGERT PL		0.556	6	1930	900	205	5	1 199 1 198	6 2009-1425		\$198000
	N HACKETTAV EKENWOOD BV	E HAMPSHIRE ST		0.556	6	1893	360	278	2	0	02009-1430		\$79200
	W FARDALE AV W LOOMIS RD	S MINER ST		0.556	8	1959	900	553	5	1 200 1 200	92009-1428		\$198000
2010-1429		W CHESTER ST		0.556	8	1951	540	416	3	1 200 0	3 2009-1423		\$118800
<b>2010-143</b> 0	N APPLETON AV (N/S) W FAIRMOUNT AV	W LANCASTER AV		0.556	8	1959	360	214	2	1 200 0	8 2009-1422		\$79200
2010-1431	N 41ST ST W MARION ST	W CONGRESS ST		0.556	6	1930	540	247	3	1 200	8 2009-1418		\$116800
2010-1432	N 37TH ST W LISBON AV	W BROWN ST		0.556	6	1901	540	348	3	0	02009-1417		\$118800
2010-1433	W ATKINSON AV N 11TH ST	N 12TH ST		0.556	8	1923	360	272	2	0	02009-1426		\$79200
2010-1434	N 87TH ST W VILLARD AV	W ROHR AV		0.552	8	1958	543	186	3	1 200 1 200	62009-1434		\$119460
	N 55TH PL WTHURSTON AV	W CARMEN AV		0.552	8	1950	543	173			2009-1433		\$119460
2010-1436	N SUMMIT AV E WINDSOR PL	E KENILWORTH PL		0.552	6	1890	725	356	4	1 200 0	9 2009-1435		\$159500
2010-1437		N BROADWAY		0.552	8	1878	725	396	4	1 200 1 200	2 2009-1436		MCR REPORTS RECOMMEND REPLACE
2010-1438		S HONEY CREEK DR		0.550	8	1954	545	558	3	1 200 0	8 2009-1437		\$119900
2010-1439	W MICHIGAN ST N 20TH ST	N 22ND ST		0.548	6	1888	730	400		1 200 0	2 2009-1442		\$180600
2010-1440	W CLYBOURN ST N 31ST ST	N 32ND ST		0.548	6	1887	365	401	2	0	2009-1438	Í	\$80300
	W WILBUR AV S 84TH ST	S 65TH ST	2011-605	0.548	8	1957	365	559		-	02009-1439		\$80300
	W MINERAL ST S 23RD ST	S 24TH ST		0.548	6	1890	365	434	2	1 200 1 200	6 2009-1440		\$80300
the second second second second second second second second second second second second second second second s	W GRANT ST S 19TH ST	S 20TH ST		0.548	6	1895	365	469	2		1 2009-1441		\$80300

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Index No	Location of Project	20	Water Main Replacement	Breaks per 100 ft.	Size	Year Installed	Length	Qtr Sec	No. o	f Breaks	Previous Index No.	
2010-1444	N 28TH ST 550' S/O W ROOSEVELT DR	W ROOSEVELT DR		0.545	6	1927	550	246	3	1 2002 0 0	2009-1443	\$121000
2010-1445		W HAYES AV		0.545	6	1896	550	497	3	1 2007	2009-1444	\$121000
2010-1446	S AUSTIN ST E CLARENCE ST	E DEER PL		0.543	6	1894	920	499	5	0 0	2009-1445	\$202400
2010-1447	W MANGOLD AV S 20TH ST	S 23RD ST	2011-611	0.543	8	1957	1290	690	7	1 2007	2009-1446	\$283800
<b>201</b> 0-1448	W COURTLAND AV N 80TH ST	W APPLETON AV		0.541	8	1956	740	224	4	1 2009	2009-1448	Relay to tee at W/S of W Appleton Ave. \$16280
<b>201</b> 0-1449	S 1ST ST W WALKER ST	W MINERAL ST		0.539	12	1934	371	431	2	1 2004	2009-1449	\$81620
2010-1450	N NEWHALL ST E HAMPSHIRE ST	E HARTFORD AV		0.537	6	1893	745	280	4	0 0	2009-1450	\$163900
2010-1451	N 47TH ST W MARION ST	W CONGRESS ST		0.536	8	1936	560	248	3	1 2005	2009-1451	\$123200
2010-1452	W GARFIELD AV N 41ST ST	N SHERMAN BV		0.535	6	1907	748	348	4	1 1996 1 1985	2009-1452	\$164560
2010-1453	S 10TH ST WHAYES AV	W ARTHUR AV		0.533	6	1904	750	497	4	1 1999 1 1992	2009-1456	\$165000
2010-1454	W MAPLE ST	W BURNHAM ST		0.533	6	1885	375	462	2	1 2007 0 0	2009-1453	Relay to cross at N/L of M Maple St. \$82500
2010-1455	W JUNEAU AV N 27TH ST	N 29TH ST		0.533	6	1890	750	388	4	1 2008	2009-1457	\$165000
201 <b>0-1456</b>		320' E/O N JOYCE AV		0.533	6	1958	375	152	2	0 0	2009-1454	\$82500
201 <b>0-145</b> 7	W THURSTON AV N 62ND ST	N 64TH ST		0.533	8	1954	750	174	4	1 2007	2009-1455	\$165000
2010-1458	N SHEPARD AV E NEWBERRY BV	E LOCUST ST		0.531	6	1894	565	317	3	1 2009	2009-1458	\$124300
2010-1459	W CARMEN AV N 76TH ST	N 78TH ST		0.529	8	1958	946	176	5	0 0	2009-1459	\$208120
2010-1460	W NORTH AV N 9TH ST	N 10TH ST		0.526	8	1936	380	323	2	0 0	2009-1462	\$83600
2010-1461	S 5TH ST W NATIONAL AV	W WALKER ST		0.526	6	1873	380	431	2	0 0	2009-1460	\$83600
2010-1462		W MELVINA ST		0.526	6	1930	760	266	4	1 2004	2009-1465	\$167200
2010-1463	N FRANKLIN PL N FARWELL AV	E LYON ST		0.526	6	1873	570	359	3	0 0	2009-1461	\$125400
2010-1464	N 49TH ST WLUSCHER AV	W FAIRMOUNT AV		0.526	8	1953	950	209	5	0 0	2009-1464	\$209000
2010-1465	N 55TH ST W LEON TR	W CONGRESS ST		0.526	6	1952	570	249	3	1 1994 1 1993	2009-1463	\$125400
2010-1466	S 61ST ST WBOTTSFORD AV	W ALLERTON AV		0.525	6	1955	571	603	3	1 2004	2009-1468	\$125620
2010-1467	W HAMPTON AV N SHERMAN BV	N 46TH ST		0.525	8	1959	953	209	5	1 2009 1 2000	2009-1467	\$209660
2010-1468	W MANGOLD AV S 1ST ST	575' W/O S 1ST ST		0.522	6	1960	575	687	3	1 2007 0 0	2009-1468	\$126500
2010-1469	W NASH ST N 6TH ST	W ATKINSON AV		0.519	6	1914	770	272	4	0 0	2009-1469	\$169400
	N 68TH ST W STARK ST	W LANCASTER AV		0.518	8	1955	965	212	5	2 1983 1 1980	200 <del>9</del> -1470	\$212300
2010-1471	N 98TH ST W VERA AV	W ROCHELLE AV		0.518	6	1962	772	116	4	2 2005 1 2004	2009-1471	\$169840
2010-1472		W LISBON AV		0.517	6	1940	580	293	3		2009-1473	\$127600
2010-1473		W FAIRMOUNT AV		0.517	8	1958	560	214	3		2009-1472	\$127600
2010-1474	W MANOR CT N 94TH ST	220' E/O N 94TH ST		0.515	4	1978	194	034	1	1 2004 0 0	2009-1474	40' of the 194' is 6" pipe. \$42680
2010-1475		W BLUE MOUND RD		0.513	8	1926	780	402	4	2 2002 0 0	2009-1475	\$171600
2010-1476		150' S OF E TESCH AV		0.513	6	1953	390	585	2		2009-1478	1970 Pipe from 8X6 reduce E. Tesch Ave. \$85800

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Index	Location of Project		Water Main	•	Size	Year	Length	~	No. o	f Breaks	Previous	1
No			Replacement	100 ft.		Installed		Sec			Index No.	
2010-1477	S 2ND ST W MADISON ST (VAC)	W GREENFIELD AV		0.513	12	1875	390	431	2	1 2001 1 1973	2009-1476	\$85800
2010-1478	W MICHIGAN ST	W WELLS ST		0.513	6	1885	975	400	5	1 2009 0 0	2009-1477	\$214500
2010-1479	W RING ST N DR MARTIN L KING JR DR	N 5TH ST		0.513	6	1902	390	282	2	2 2000 0 0	2009-1479	\$85800
	W LAWRENCE AV N 68TH ST	N 91ST ST		0.510	8	1957	980	223	5	1 2006 1 2000	2009-1460	\$215600
2010-1481	S KANSAS AV S WHITNALL AV	785' S/O S WHITNALL AV		0.510	6	1960	785	592	4	1 2008 1 2001	2009-1481	\$172700
2010-1482	N 75TH ST W GLENDALE AV	W COURTLAND AV		0.510	8	1956	785	225	4	2 2006 0 0	2009-1482	\$172700
2010-1483	N EMMBER LA W CANAL ST	W MT VERNON AV		0.509	24	1921	982	399	5	1 2004 0 0	2009-1483	\$
2010-1484	S LOGAN AV E WATERFORD AV	E DOTY PL		0.508	6	1955	590	582	3	1 2000 0 0	2009-1484	\$129800
2010-1485	N 68TH ST W LANCASTER AV	W VILLARD AV		0.508	8	1953	788	212	4	0 0	2009-1485	\$173360
2010-1486	W TESCH AV S 80TH ST	S 83RD ST		0.508	8	1961	985	570	5	1 2007 1 2006	2009-1487	\$216700
2010-1487	W KIEHNAU AV N 40TH ST	N 43RD ST		0.508	8	1958	985	137	5	0 0	2009-1486	\$216700
2010-1488	W PLAINFIELD AV S HONEY CREEK DR	S 63RD ST	2010-634	0.504	6	1959	595	572	3	1 2002 0 0	2009-1489	\$130900
2010-1489	N 76TH ST W FAIRMOUNT AV	W GRANTOSA DR		0.504	8	1954	595	213	3	1 2004 0 0	2009-1486	\$130900
2010-1490	N EVANS ST WLUSCHER AV	W GRANTOSA DR		0.502	8	1956	598	213	3	1 2007 0 0	2009-1490	\$131560
2010-1491	W LOOMIS RD (N/S) S 27TH ST	600' W/O S 27TH ST		0.500	8	1957	600	553	3	2 2001 0 0	2009-1499	\$132000
2010-1492	N 100TH ST WCAPITOL DR	W GRANTOSA DR		0.500	12	1954	1400	254	7	1 2006 2 2003	2009-1492	\$308000
2010-1493	s 95TH ST W OKLAHOMA AV	W BELOIT RD		0.500	8	1957	1200	525	6	1 2007 1 2005	2009-1495	\$264000
2010-1494	N 26TH ST W STATE ST	W HIGHLAND AV		0.500	6	1888	400	389	2	0 0	2009-1506	\$88000
2010-1495	E POTTER AV E RUSSELL AV	S PINE AV		0.500	6	1893	1200	499	6	1 2003 0 0	2009-1503	\$264000
201 <b>0-1496</b>	W VAN NORMAN AV S 69TH ST	S 72ND ST		0.500	6	1960	1000	604	5	1 2008 1 2003	2009-1494	\$220000
2010-1497	S 6TH ST 950' NO W COLLEGE AV	W COLLEGE AV	2010-016	0.500	16	1958	1000	688	5	1 2008 1 2007	2009-1500	\$220000
2010-1498	S 65TH ST W OHIO AV	W VERONA CT		0.500	8	1953	1000	529	5	1 2005 1 1997	2009-1504	\$220000
2010-1499	W HAYES ST S 3RD ST	S 4TH ST		0.500	6	1914	400	498	2	0 0 0 0	2009-1496	\$88000
2010-1600	W NASH ST W APPLETON AV	W POTOMAC AV		0.500	8	1952	400	264	2	0 0	2009-1497	\$88000
2010-1501	W SHERIDAN AV N 92ND ST	N 95TH ST		0.500	6	1958	1000	185	5	1 2007 1 1995	2009-1498	\$220000
2010-1502	N 56TH ST W CONGRESS ST	400' N/O W CONGRESS ST		0.500	6	1951	400	227	2	1 2007 1 2000	2009-1502	\$88000
2010-1503	N JEFFERSON ST E ST PAUL AV	E BUFFALO ST		0.500	6	1902	400	396	2	1 1996 1 1992	2009-1501	\$88000
2010-1504	W PARNELL AV S 37TH CT	W IONA TR		0.500	8	1959	600	667	- 3	1 2001 1 1987	2009-1493	\$132000
2010-1505	S 58TH ST 195' S/O W STACK DR	S 57TH ST		0.500	6	1952	400	513	2	1 2008 1 2001	2009-1505	\$88000
2010-1 <b>506</b>	N SUMMIT AV E BELLEVIEW PL	N DOWNER AV		0.500	6	1894	600	318	3	1 1995 0 0	2009-1 <b>49</b> 1	\$132000
	N 69TH ST W RUBY AV	W GLENDALE AV		0.496	8	1955	605	225	3	0 0	2009-1507	\$133100
201 <b>0-1608</b>	W HOPE AV N 40TH ST	N 42ND ST		0.495	8	1929	808	247	4	2 2009 0 0	2009-1508	\$177760
2010-1509	W LISBON AV (S/S) N 74TH ST	N 76TH ST		0.494	8	1930	810	291	4	1 2005 2 1994	2009-1509	\$178200

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Index No	Location of Project		Water Main Replacement	Breaks per 100 ft.	Size	Year Installed	Length	Qtr Sec	No. o	f Breaks	Previous Index No		
2010-1510	S 15TH ST W GREENFIELD AV	W MADISON ST		0.494	6	1893	405	433	2	1 2004 0 0	2009-1510		\$89100
2010-1511	N 35TH ST W KAUL AV	W DOUGLAS AV		0.494	8	1949	810	158	4	1 2009	2009-1511		\$178200
2010-1512	W LISBON AV N 76TH ST	N 78TH ST		0.493	8	1928	609	292	3		2009-1512		\$133980
	N 52ND ST W GREENWOOD TR	W CALUMET RD		0.492	8	1956	610	104		-	200 <del>9</del> -1514		\$134200
2010-1514	E HOWARD AV S BRUST AV	S KANSAS AV		0.492	8	1957	610	546	3	1 2000	2009-1513		\$134200
2010-1515	N MURRAY AV E NEWPORT AV	250° S/O E EDGEWOOD AV		0.492	8	1923	610	279	3		2009-1515		\$134200
	E WILBUR AV S BRUST AV	S ALABAMA AV		0.491	8	1951	611	546	3		2009-1516		\$134420
	W BIRCH AV N 92ND ST	W BECKETT AV		0.491	8	1958	815	185	4		2009-1517		\$179300
	N MELVINA ST N 56TH ST	N 60TH ST		0.490	6	1930	1225	266	6		2009-1518		\$269500
2010-1519	W FOREST HOME AV (N/S) S 46TH ST	W EUCLID AV		0.488	12	1953	205	531	1		2009-1519		\$45100
2010-1520		E EUCLID AV		0.488	6	1924	615	539			200 <del>9</del> -1520		\$135300
2010-1521	W BELOIT RD W OKLAHOMA AV	S 92ND ST		0.488	8	1957	1025	526	5		2009-1522		\$225500
2010-1522	W KAUL AV N 40TH ST	W DOUGLAS AV		0.488	8	1949	820	158	4	· ·	2009-1523		\$180400
2010-1523		N BUFFUM ST		0.488	8	1882	410	354	2		2009-1521		\$90200
2010-1524	W RING ST N 3RD ST	N DR M L KING JR DR		0.488	6	1915	410	282	2		2009-1524		\$90200
	W BRENTWOOD AV	N FRESNO ST		0.485	8	1956	619	143			2009-1525		\$136180
010-1 <b>526</b>		W HAYES AV		0.484	6	1896	620	497	3	• •	2009-1528		\$136400
2010-1527	N 83RD ST W NASH ST	W VIENNA AV		0.484	6	1953	620	263	3	<u> </u>	2009-1528		\$136400
	N 80TH ST W CHAMBERS ST	W BURLEIGH ST		0.484	6	1928	620	303	3		2009-1529		cross at S/S of W.
	N 13TH ST W KEEFE AV	W FINN PL		0.484	6	1911	620	272	3		2009-1527	Buner	igh St. \$136400 \$136400
	W OHIO AV S 28TH ST	S 27TH ST		0.482	8	1928	415	533	2	• •	2009-1530		\$91300
2010-1531		E BRADFORD AV		0.480	6	1915	1250	319	6		200 <b>9</b> -1531		\$275000
2010-1532		W BURLEIGH ST		0.480	6	1892	625	312	3		2009-1532		\$137500
010-1533	W LAYTON AV (N/S) S 39TH ST	S 43RD ST		0.479	8	1965	1460	600	7		2009-1533		\$321200
	W OHIO AV S 84TH ST	S 86TH ST		0.478	8	1960	627	526			2009-1534		\$137940
	W THURSTON AV N 89TH ST	N 91ST ST		0.476	8	1958	630	177	3	-	2009-1536	Limits	Changed 2008
010-1536		W MARION ST		0.476	8	1955	630	251	3		2009-1540		\$138600 \$138600
010-1537	E 213 W/O S 20TH ST	W BIRCHWOOD AV		0.476	4	1955	420	669	2	-	2009-1544		\$92400
010-1538	W ABBOTT AV	S 9TH ST		0.476	8	1960	420	642	2	-	2009-1542		\$92400
	N FARWELL AV	E NEWBERRY BV		0.476	6	1895	630	316	3		2009-1541		\$138600
010-1540		W KEEFE AV		0.476	6	1938	630	294	3	1 1994	2009-1538		\$138600
010-1541	W CONGRESS ST	N SHERMAN BV		0.476	8	1937	210	247	1	1 1983	2009-1543		\$46200
	N 64TH ST	W FIEBRANTZ AV		0.476	8	1955	630	250	3	u 0 1 1996	2009-1535		\$138600

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Index No	Location of Project		Water Main Replacement	Breaks per 100 ft	Size	Year Installed	Length	Qtr Sec	No, o	f Breaks	Previous Index No.		
2010-1 <b>543</b>	W WISCONSIN AV N STORY PK	W WOODLAWN CT		0.476	6	1911	210	386	1	0	2009-1537	\$46200	
	N 66TH ST W SILVER SPRING DR	W THURSTON AV		0.476	6	1951	630	174	3	-	2009-1539	\$138600	
	W MARION ST N 90TH ST	N 92ND ST	2010-002	0.472	8	1956	635	253	3	1 200	2009-1547	\$139700	
	N 69TH ST W MARION ST	W CONGRESS ST		0.472	8	1951	635	225	3	0	2009-1545	\$139700	
	N 39TH ST W CLARKE ST	W CENTER ST		0.472	6	1914	635	327	3	1 200	2009-1546	\$139700	
2010-1548		W ROBERTS ST		0.472	6	1902	636	366	3	0	2009-1548	\$139920	
2010-1549		W KIMBERLY AV		0.471	8	1961	850	689	4	0	2009-1550	\$187000	
2010-1550	N 28TH ST W KILBOURN AV	W RICHARDSON PL		0.471	6	1887	425	388	2	0	2009-1549	Ralay to reducer at Intersection. \$9	
2010-1651		175' S/O E DENTON AV (WE		0.469	6	1962	640	586	3	0	2009-1554	Denton to Waterford pipe. \$14080	ls 1954
2010-1552	N SHEPARD AV			0.469	6	1894	640	317	3	1 198	8 2009-1559	\$140800	
	W WILBUR AV \$21ST ST	E NEWBERRY BLVD		0.469	8	1948	640	552		1 198 1 200 0	/ 1 2009-1558	\$140800	
	W CAPITOL DR N 70TH ST	S 23RD ST		0.469	6	1954	640	264	3	-	2009-1560	\$140800	
	N 39TH ST WKEEFE AV	N 72ND ST		0.469	8	1926	640	268	3		2 2009-1552	\$140800	
2010-1656		W LINCOLN AV		0.469	6	1926	640	472	3	•	2009-1553	\$140800	
2010-1557	N 23RD ST W WRIGHT ST	W CLARKE ST		0.469	6	1892	640	325	3	-	8 2009-1555	\$140800	
	N 2ND LA WKEEFE AV	W NASH ST		0.469	6	1921	640	273	3		2009-1556	\$140800	
<b>2010-155</b> 9		W WILBUR AV		0.469	16	1954	640	552	3		12009-1561	\$140800	
<b>2010-156</b> 0	N 66TH ST W RUBY AV	W MEDFORD AV		0.469	8	1956	1280	226	6		9 2009-1557	\$144100	
	W TRIPOLI AV S 87TH ST	S 89TH ST		0.469	8	1962	640	560	3		4 2009-1551	\$140800	
	N 26TH ST W STARK ST	W FAIRMOUNT AV		0.467	6	1929	642	206	3	0	02009-1562	\$141240	
	W HOLT AV N 11TH ST	N 13TH ST		0.465	8	1926	645	536	3		4 2009-1563	\$141900	
	W MILL RD N JOYCE AV	400' E/O N JOYCE AV		0.465	8	1957	430	152	2	1 200 0	6 2009-1564	Relay to bend (2001)	\$94600
	S 98TH ST WEUCLID AV	W OHIO AV	i i	0.465			645	525	3	0	2009-1566	s	
	N 66TH ST WHADLEY ST	W LOCUST ST	<	0.465	6	1948	645	302	3	1 200 0	4 2009-1568	\$141900	
	N OAKLAND AV E KANE PL	E IRVING PL		0.465	6	1887	430	355	2	0	02009-1567	\$94600	
	W HEMLOCK ST	N 55TH ST		0.465	8	1956	215	104	1	1 200 0	2 2009-1565 0	\$47300	
<b>2010-166</b> 9	N 42ND ST W CLINTON AV	W HEMLOCK ST		0.462	6	1960	865	123	4	1 199	5 2009-1570	\$190300	
2010-1570		W ALVINA AV		0.462	8	1966	865	692	4	1 200 0	7 2009-1569	\$190300	
2010-1571	W HOPKINS ST N 28TH ST	W VIENNA AV		0.462	16	1936	650	269	3	1 200 0	72009-1590	\$143000	
	N 80TH ST W MARION ST	W CONGRESS ST		0.462	8	1955	650	252	3	1 199	5 2009-1585	\$143000	
	N 33RD ST WCENTER ST	W HADLEY ST		0.462	6	1907	650	309	3	1 198 0	8 2009-1574	\$143000	
	S 31ST ST WOKLAHOMA AV	W EUCLID AV		0.462	8	1928	650	533	3	1 200	1 2009-1589	\$143000	



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Index No	Location of Project		Water Main Replacement	Breaks per 100 ft	Size	Year Installed	Length	Qtr Sec	No. o	f Breaks	Previous Index No.	
2010-1575	N 32ND ST WLOCUST ST	W HADLEY ST		0.462	6	1906	650	309	3	1 1990	2009-1575	\$143000
	N 23RD ST W FAIRMOUNT AV	W LANCASTER AV		0.462	6	1939	650	206	3	1 2007	2009-1592	\$143000
2010-1577	N HUBBARD ST E LOCUST ST	E HADLEY ST		0.462	6	1894	650	313		• •	2009-1571	\$143000
2010-1678	N 71ST ST W FIEBRANTZ AV	W HOPE AV		0.462	8	1955	650	251	3		2009-1584	\$143000
2010-1579	S 27TH ST W LOOMIS RD	625' S/O W LOOMIS RD		0.462	12	1957	650	553	3		2009-1582	\$143000
2010-1580	N 42ND ST WHAMPTON AV	W STARK ST		0.462	6	1929	650	208	3		2009-1587	\$143000
2010-1581		W LAPHAM ST		0.462	6	1873	650	461	3	1 1993	2009-1578	\$143000
2010-1582	N 70TH ST W STEVENSON ST	W MT VERNON AV		0.462	6	1930	650	406			2009-1572	\$143000
2010-1583	N 33RD ST W WRIGHT ST	W CLARKE ST		0.462	6	1894	650	326	3	2 1994 0 0	2009-1588	\$143000
2010-1584		N/L W ROGERS ST		0.462	6	1894	650	468		-	2009-1586	\$143000
2010-1586	N 55TH ST WCENTER ST	W HADLEY ST		0.462	6	1925	650	306	3		2009-1593	\$143000
2010-1586		W MAIN ST		0.462	6	1927	650	420	3		2009-1591	\$143000
2010-1587	W ABERT PL N9TH ST	N 11TH ST		0.462	6	1923	650	272			2009-1583	\$143000
2010-1588	N 32ND ST WCLARKE ST	W CENTER ST		0.462	12	1933	650	326	3		2009-1581	\$143000
2010-1589	S 12TH ST W MANITOBA ST	W OKLAHOMA AV		0.462	6	1911	650	507	3		2009-1577	\$143000
2010-1590	N 19TH ST WWRIGHT ST	W CLARKE ST		0.462	6	1892	650	324	3	1 1997	2009-1580	\$143000
	N PALMER ST	E TOWNSEND ST		0.462	6	1907	650	282	3	1 1988	2009-1576	\$143000
2010-1592	N 11TH ST WORCHARD ST	W LAPHAM ST		0.462	8	1893	650	461	3	2 1984	2009-1579	\$143000
010-1693	N 38TH ST WLOCUST ST	W CHAMBERS ST		0.462	6	1916	650	308	3	• •	2009-1573	\$143000
	N 40TH ST WLOCUST ST	W BURLEIGH ST		0.460	6	1909	652	308			2009-1594	\$143440
	W ROGERS ST S 20TH ST	S 21ST ST		0.460	6	1906	435	470	2	0 0	2009-1595	\$95700
2010-1598	N DOUSMAN ST E BURLEIGH ST	E AUER AV		0.458	6	1951	655	280	3		2009-1597	\$144100
010-1697		W MORGAN AV		0.458	6	1951	655	556	3	• •	2009-1596	\$144100
010-1598	W LORRAINE PL N 82ND ST	N 84TH ST		0.457	6	1951	657	303	3		2009-1598	\$144540
010-1599	N 13TH ST WLAWN AV	W CUSTER AV		0.456	12	1951	658	195	3	• •	2009-1599	\$144760
	N 37TH ST W VIENNA AV	W MELVINA ST		0.455	6	1927	659	268	3	<u> </u>	2 <b>009</b> -1601	\$144980
	N 44TH ST W NORTH AV	W MEINECKE AV		0.455	6	1909	659	328	3	<u> </u>	2009-1600	\$144980
010-1602		W EUCLID AV		0.455	6	1928	660	532	3		2009-1608	\$145200
010-1803	N 66TH ST W MARION ST	W CONGRESS ST		0.455	6	1955	660	250	3		2009-1614	\$145200
010-1804		W WRIGHT ST		0.455	6	1893	660	325	3	1 2001	2009-1615	\$145200
010-1805		W MANITOBA ST		0.455	6	1911	660	508	3		2009-1613	 \$145200
010-1806		W SHERIDAN AV		0.455	6	1950	660	190	3	• •	2009-1619	\$145200
2010-1807	W MANITOBA ST	S 50TH ST		0.455	8	1927	660	512	3		2009-1618	2003 plpe at S. 50th

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Index No	Location of Project		Water Main Replacement	Breaks per 100 ft	Size	Year Installed	Length	Qtr Sec	No. of	Breaks	Previous Index No.	
2010-1608	S 17TH ST W HOLT AV	W MORGAN AV		0.455	6	1926	660	535	3	1 2003 1 2001	2009-1609	\$145200
2010-1609		W KLEIN AV		0.455	16	1957	440	670	2		2 <b>0</b> 09-1605	\$96800
2010-1610				0.455	6	1925	660	329	3		2009-16 <b>0</b> 2	\$145200
2010-1611		W CLARKE ST		0.455	6	1955	660	556	3		2009-1603	\$145200
2010-1612		W BRIDGE ST		0.455	6	1961	660	690			2009-1612	Relay to 8" x 6" reducer at S/L of W. Henry Ave. \$145200
2010-1613	S BRUST AV E MORGAN AV	E WARNIMONT AV		0.455	8	1950	660	548	3	000	2009-1610	\$145200
2010-1614		W GREEN TREE RD		0.455	8	1963	1100	138	5		2009-1604	\$242000
2010-1616		W MEINECKE AV		0.455	6	1919	660	328	3		2009-1606	\$145200
2010-1616		W CLARKE ST		0.455	6	1914	660	327	3		2009-1607	\$145200
2010-1617		E UNWOOD AV		0.455	6	1896	660	317	3	1 1991 1 1989	2009-1617	\$145200
2010-1618	W NASH ST WPOTOMAC AV	N 73RD ST		0.455	8	1952	660	264	3		2009-1616	\$145200
2010-1619		W MEINECKE AV		0.455	6	1910	660	327	3		2009-1620	\$145200
<b>2010-162</b> 0		W SHERIDAN AV		0.453	8	1956	662	187	3		200 <del>9</del> -1621	\$145640
2010-1621	S 14TH ST W WILBUR AV	W CRAWFORD AV		0.452	6	1927	663	551	3		200 <del>9</del> -1622	\$145860
	W JUNEAU AV N 18TH ST	N 20TH ST		0.452	12	1882	664	363	3	1 2004 0 0	2009-1623	\$146080
	E DENTON AV S SHANNON AV	S LIPTON AV		0.451	6	1951	665	585	3	2 2004 0 0	2009-1625	\$146300
	W JACKSON PARK DR S 49TH ST	W CLEVELAND AV		0.451	8	1948	665	492	3	0 0	2009-1626	\$146300
2010-1625	W ROCHELLE AV	N 48TH ST		0.451	8	1960	665	122	3	1 2005 0 0	2009-1624	\$146300
2010-1626	N 16TH ST W LOCUST ST	W CHAMBERS ST		0.451	6	1893	665	311	3	1 2001 0 0	2009-1628	\$146300
2010-1627	S 24TH ST W BARNARD AV	W CARPENTER AV		0.451	6	1955	665	623	3	1 2007 0 0	2009-1627	\$146300
2010-1628	N 28TH ST W CLYBOURN ST	W WISCONSIN AV		0.450	6	1887	889	401	4	1 2005 1 2004	2009-1629	\$195580
2010-1629	S 77TH ST W WARNIMONT AV	W WILBUR AV	2011-601	0.450	6	1961	667	559	3	2 2007 0 0	2009-1630	\$146740
2010-1630	N 18TH ST W FINN PL	W NASH ST		0.449	6	1913	445	271	2	000	2009-1632	\$97900
2010-1631	W KATHRYN AV	W GERTRUDE DR		0.449	8	1954	445	213	2	1 2001 1 1970	2009-1633	\$97900
2010-1632	N 40TH ST W KILEY AV	W ROCHELLE AV		0.449	8	1955	890	123	4	1 2006	2009-1631	\$195800
2010-1633	N PALMER ST E CHAMBERS ST	E BURLEIGH ST		0.448	6	1891	670	313	3	1 2005 0 0	2009-1637	\$147400
<b>2010-163</b> 4		W GLENDALE AV		0.448	6	1927	670	231	3	0 0	2009-1636	\$147400
<b>2010-16</b> 35	W MAPLE ST S 11TH ST	S 13TH ST	2010-012	0.448	6	1891	670	461		1 2005 0 0	2009-1634	\$147400
2010-1636	N 38TH ST W CLARKE ST	W CENTER ST		0.448	6	1901	670	327	3	0 0	2009-163 <b>9</b>	\$147400
2010-1637		N HUMBOLDT AV		0.448	8	1922	670	274		0 0	2009-1641	\$147400
2010-1638		W AUER AV		0.448	6	1926	670	287	3	1 2008 0 0	2009-1638	\$147400
2010-1639		W MANITOBA ST		0.448	6	1930	670	511	3	1 2002 1 2001	2009-1640	\$147400
2010-1640	N 69TH ST W CONGRESS ST	W RUBY AV		0.448	8	1955	670	225	3		2009-1635	\$147400

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Index No	Location of Project		Water Main Replacement	Breaks per 100 ft	Size	Year Installed	Length	Qtr Sec	No. c	of Breaks	Previous Index No	
2010-1641	N BOOTH ST E AUER AV	E CONCORDIA AV		0.445	6	1901	674	281	3	1 2008	2009-1642	\$148280
2010-1642	W STARK ST N 108TH ST	N 110TH ST		0.444	8	1956	900	217	4		2009-1645	\$198000
2010-1643	W ALLERTON AV S 62ND ST	S 65TH ST		0.444	6	1955	900	603	4	1 2009	2009-1648	\$66000
2010-1644	W DRURY LA S 31ST ST	S 32ND ST		0.444	8	1930	450	533	2	1 2001	2009-1651	\$99000
2010-1645	N 19TH ST W VIENNA AV	W MELVINA ST		0.444	6	1921	675	271	3	1 2007	2009-1644	\$148500
2010-1646	W PARNELL AV S MARILYN ST	S 33RD ST		0.444	12	1957	675	668	3	0 0	2009-1650	\$148500
201 <b>0-1647</b>	N 19TH ST WWISCONSIN AV	W CLYBOURN ST		0.444	6	1883	900	399	4	1 1977 0 0	2009-1649	\$198000
2010-1648	N 17TH ST W CLYBOURN ST	W WISCONSIN AV		0.444	6	1883	900	399	4	1 2002 0 0	2009-1646	\$198000
2010-1649	W FIEBRANTZ AV N 79TH ST	W FIEBRANTZ CT		0.444	8	1955	450	252	2	0 0	2009-1643	\$99000
2010-1650	N 61ST ST WHOPE AV	W MARION ST		0.444	6	1954	675	250	3	1 2006 0 0	2009-1647	\$148500
2010-1651	N 56TH ST W PARKWAY DR	W HAMPTON AV		0.443	8	1955	1355	227	6	2 2007 1 2002	2009-1652	\$298100
2010-1652	N 48TH ST WGALENA ST	W WASHINGTON BV		0.442	8	1906	452	367	2	1 2008	2009-1654	\$99440
2010-1653	W BENDER RD W CROSSFIELD AV	N 90TH ST		0.442	8	1957	1130	152	5	1 2001	2009-1653	\$248600
2010-1654	W WISCONSIN AV N 90TH ST	N 93RD ST		0.442	8	1937	1131	408	5	1 2007 2 2005	2009-1655	\$248820
2010-1655	N 54TH ST W VILLARD AV	W ROHR AV		0.441	8	1950	680	190	3	2 1999 1 1976	2009-1656	\$149600
2010-1656	N 39TH ST W NORTH AV	W MEINECKE AV		0.441	6	1904	680	327	3	1 1992 1 1989	2009-1659	\$149600
2010-1667	W LLOYD ST N 22ND ST	N 24TH ST		0.441	6	1892	680	350	3	1 2007 0 0	2009-1657	\$149600
2010-1658	N 62ND ST WHOPE AV	W MARION ST		0.441	8	1955	680	250	3	1 2007 0 0	2009-1661	\$149600
2010-1669	W BURLEIGH ST (S/S) N 90TH ST	N 62ND ST		0.441	8	1929	680	303	3	1 2004 0 0	2009-1660	\$149600
2010-1660	W CLARKE ST N 20TH ST	N 22ND ST		0.441	6	1894	681	325	3	1 2009 0 0	2009-1662	\$149820
2010-1661	W HADLEY ST N 92ND ST	N COLONIAL DR		0.440	8	1950	1590	301	7	1 2004 1 2003	2009-1663	\$349800
2010-1662	N HOPKINS ST W ROHR AV	W CUSTER AV		0.440	6	1961	455	192	2	1 2004 0 0	2009-1665	\$100100
2010-1663	N 57TH ST W FAIRMOUNT AV	W VILLARD AV		0.440	8	1950	1365	210	6	1 2008 1 2001	2009-1664	\$300300
2010-1664	W LAPHAM ST S 32ND ST	S 34TH ST		0.439	8	1910	683	458	3	1 2004 0 0	2009-1666	\$150260
	W JEFFREY LA N 108TH ST	N 110TH ST		0.438	6	1956	913	217	4	0 0	2009-1667	\$200860
2010-1666	W EUCLID AV S 63RD ST	S 66TH ST		0.438	8	1952	1370	529	6	2 2009 1 2008	2009-1669	\$
2010-1667	N TEUTONIA AV W CLARKE ST	W CENTER ST		0.438	6	1888	685	324	3	0 0	2009-1668	\$150700
2010-1668	N LINNWOOD AV N DOWNER AV	N SHEPARD AV		0.435	6	1896	919	317	4	0 0	2009-1670	\$202180
2010-1669	S 34TH ST W MANITOBA ST	W OKLAHOMA AV		0.435	6	1928	460	510	2	1 2001 0 0	2009-1672	\$101200
2010-1670	N 54TH ST W MARION ST	W CONGRESS ST		0.435	6	1952	690	249	3	0 0	2009-1671	\$151800
2010-1671	N SHERMAN BL W CONGRESS ST	W BEETHOVEN PL		0.435	8	1936	230	229	1	1 2001 0 0	2009-1674	\$50600
2010-1672	S 64TH ST WARMOUR AV	150' S/O W ARMOUR AV		0.435	6	1957	230	603	1	0 0	2009-1673	\$50600
2010-1673	W MILL RD W MILL ROAD CT	N TEUTONIA AV		0.432	12	1959	925	136	4	2 2007 0 0	2009-1675	\$203500

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Index No	Location of Project		Water Main Replacement	Breaks per 100 ft.	Size	Year Installed	Length	Qtr Sec	No. o	f Breaks	Previous Index No.		
2010-1674	W GRANTOSA DR (S/S) W GERTRUDE DR	N EVANS ST		0.430	8	1955	930	213	4	1 1997 1 1991	2009-1677	ASR 199 GERT	1, 1994 PAVING @ RUDE \$204600
2010-1675	S GREELEY ST E CLIFFORD ST	E DEER PL		0.430	6	1903	465	499	2	0 0	2009-1678		oe also, \$102300
2010-1676	S 9TH ST W HISTORIC MITCHELL ST	W MAPLE ST		0.430	6	1884	465	461	2	0 0	2009-1676		\$102300
2010-1677		W CENTER ST		0.429	6	1925	700	329	3	1 2004 1 2003	2009-1682		\$154000
2010-1678	N HOLTON ST E CAPITOL DR	700' N/O E CAPITOL DR		0.429	8	1925	700	241	3	1 2007 0 0	2009-1681		\$154000
	N RICHARDS ST E NASH ST	E VIENNA AV		0.429	6	1916	700	273	3	1 1991 0 0	2009-1684		\$154000
	N 75TH ST WHOPE AV	W MARION ST		0.429	8	1955	700	251	3	1 2008	2009-1686		\$154000
	W MT VERNON AV N 93RD ST	N 95TH ST		0.429	8	1951	700	409		1 2005	2009-1679		\$154000
	W LANCASTER AV N 81ST ST	N 83RD ST		0.429	8	1955	700	213	3	1 2004	2009-1687		\$154000
	N 92ND ST W SWAN CR	W CARMEN AV		0.429	8	1959	700	178	3		2009-1680		\$154000
	W HAMPTON AV (S/S) N71ST ST	N 73RD ST		0.429	8	1957	700	225	3		2009-1683		\$154000
2010-1685		W BECHER ST		0.429	6	1900	700	469	3	2 1992 0 0	2009-1685		\$154000
2010-1686		E TESCH AV		0.428	6	1937	935	586			2009-1688		PROG 1995 15-YR CUT \$205700
2010-1687	W DOROTHY PL \$ 37TH ST	S 38TH ST		0.427	6	1907	468	436	2		2009-1690		\$102960
2010-1688	W POTOMAC AV WHOPE AV	N 80TH ST		0.427	8	1958	1170	252	5	1 2002	2009-1689		\$257400
	W STACK DR S 51ST ST	S 53RD ST		0.427	8	1951	703	513	3		2009-1691		\$154660
2010-1690	S 71ST ST PED WAY N/O S	S MASSACHUSETTS AV		0.426	6	1956	470	558	2		2009-1697		\$103400
2010-1691	N OAKLAND AV (E/S) E GREENWICH AV	· · · · · · · · · · · · · · · · · · ·		0.426	8	1887	470	319	2	1 2004	2009-1696		\$103400
	W ACACIA ST N HASTINGS ST	E BRADFORD AV		0.426	8	1956	705	143		0 0	2009-1695	8	\$155100
		N 89TH ST		0.426	6	1873	470	353		0 0	2009-1694		\$103400
2010-1694	N 4TH ST (W/S) WLLOYD ST	W GARFIELD AV		0.426	6	1929	705	246	2		2009-1692		\$155100
2010-1695	W ROOSEVELT DR	W CONGRESS ST		0.426	8	1929	470	152		0 0	2009-1693		\$103400
	W KAUL AV	W LYNX AV							-	0 0	2009-1698		\$155320
1	W HOYT PL W FOND DU LAC RD	W SPENCER PL		0.425	8	1928	706	267		0 0		(2.0	19) \$311300
2010-1697	S KINNICKINNIC AV	S HOWELL AV		0.424	6	1889	1415	499	6	1 2003	-	(2-0	·
	W MORGAN AV S 88TH ST	S 91ST ST		0.423	12	1956	945	526	-	0 0	1		\$
2010-1699	W CUSTER AV	W TALLMADGE PL		0.423	8	1958	710	188	Ŭ,	<u> </u>	2009-1702		\$156200
2010-1700	W FAIRVIEW AV	W DIXON ST		0.423	6	1931	710	418		0 0	2009-1701		\$156200
2010-1701	W OHIO AV	W VERONA CT		0.421	8	1956	950	527	-	1 1997	-		\$209000
	W MARGARET PL \$37TH ST	S 38TH ST		0.421	6	1907	475	436	2	· ·	2009-1705		\$104500
2010-1703	N CAMBRIDGE AV NBARTLETT AV	E BOYLSTON ST		0.421	8	1876	475	355	2	1 2003 1 2001	2009-1704		\$104500
2010-1704	E MICHIGAN ST	E WISCONSIN AV		0.421	8	1873	475	397	2	0 0	2009-1703		\$104500
2010-1706	W BURNHAM ST S 38TH ST	S 43RD ST		0.418	8	1910	1675	472	7	1 2004 1 2003	2009-1707		\$368500

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Index Location of Project Water Main Breaks per | Size Year Length Otr No. of Breaks Previous No Index No. Replacement 100 ft. Installed Sec 2010-1706 N MILWAUKEE ST 2001 2009-1712 1999 \$105600 0.417 8 1935 480 396 2 E ST PAUL AV 2010-1707 KINNICKINNIC AV \$105600 s 0.417 1893 2000 2009-1710 6 480 503 2 1 E RUSK AV W HAMPTON AV W BECKETT AV 1999 2009-1708 2010-1708 0.417 8 1957 720 \$158400 213 3 N 84TH ST 1998 W BELOIT RD (N/S) S 94TH ST 2004 2009-1709 2010-1709 \$264000 0.417 8 1957 1200 525 5 S 97TH ST 2001 2010-1710 W JOLENO LA N SWAN RD \$105600 0.417 1978 8 480 034 2 00 **92009-1711** N 94TH ST 2010-1711 N 97TH ST W NASH ST 2008 2009-1713 \$159500 0.414 6 1954 725 3 261 W METCALF PL ò 2010-1712 N 31ST ST W CAMERON AV 2 % \$106700 0.412 1926 485 207 02009-1714 8 475' S/O W CAMERON AV 2010-1713 N OAKLAND AV 2004 2009-1715 0.412 1885 \$106920 6 486 355 2 E NORTH AV 0 2010-1714 S 98TH ST W OHIO AV 0 0 2009-1718 \$160600 0.411 12 1957 730 525 3 W BELOIT RD 2010-1715 N 95TH ST W MT VERNON AV 0.411 8 1952 730 409 3 2007 2009-1719 \$160600 1 200' S/O W BLUE MOUND RD GARFIELD AV 2010-1716 E \$160600 0.411 6 1880 730 354 3 0 0 2009-1716 N HOLTON ST 2010-1717 W WELLS ST (N/S) \$160600 0.411 8 1929 730 0 0 2009-1717 389 3 N 21ST ST 2010-1718 W TRIPOLI AV W CRAWFORD AV 2007 2009-1720 \$268400 0.410 1220 8 1958 558 5 1 S 73RD ST 2010-1719 N SHERMAN BL W LISBON AV \$107580 0.409 1909 0 6 489 347 2 02009-1721 W GARFIELD AV ō 2010-1720 N 5TH ST W KEEFE AV 1997 2009-1722 \$215600 0.408 6 1905 980 282 1 4 N DR MARTIN L KING JR DR 2010-1721 46TH ST WHAMPTON AV 2003 2009-1724 0.408 \$215600 6 1931 980 209 4 W STARK ST 2001 2010-1722 N TEUTONIA AV W GROELING AV \$161700 0.408 6 1893 735 311 3 0 02009-1723 W COLUMBIA ST 2010-1723 W CUSTER AV 2009 2009-1725 \$432300 0.407 8 1950 1965 195 8 1 N GREEN BAY AV 23RD ST W MINERAL ST 2010-1724 S \$162800 0.405 6 1888 740 3 0 0 2009-1726 434 W SCOTT ST £ 2010-1725 W HAMPTON AV (S/S) N 57TH ST \$162800 0 2009-1727 0.405 8 1959 740 227 3 0 N 60TH ST 2010-1726 S ALEXANDER ST 0.403 1953 0 0 2009-1728 \$109120 6 496 585 2 E NORWICH AV 2010-1727 10TH ST W WASHINGTON ST s 0.403 1890 2005 2009-1729 \$163900 6 745 432 3 1 W MADISON ST 2010-1728 37TH ST W FOND DU LAC RD 0.400 6 1926 750 287 3 2 2009 2009-1735 \$ W CONCORDIA AV 0 2010-1729 W CAPITOL DR (S/S) N 72ND ST 1996 2009-1731 0.400 8 1954 500 264 2 \$110000 W APPLETON AV 1991 2010-1730 W SILVER SPRING DR 2009 2009-2173 2001 0.400 16 1958 500 \$110000 176 2 500° W/O W FOND DU LAC RD 2010-1731 N 6TH ST W BURLEIGH ST 2008 2009-1730 2004 \$220000 0.400 6 1893 1000 283 4 W RING ST 2010-1732 W LUZERNE CT 0 0 2009-1733 \$55000 0.400 6 1967 250 643 1 215' W/O S 18TH ST 13TH ST W JUNEAU AV 2010-1733 N 2001 2009-1734 \$110000 0.400 6 1881 500 363 2 1 W MCKINLEY AV ń 2010-1734 W FAIRY CHASM DR 2002 2009-1732 \$110000 0.400 12 1976 500 005 2 N JOYCE AV 1997 2010-1735 N LOVERS LANE RD 1750'S/O W SILVER SPRING 2004 2009-1736 \$165000 0.400 12 1963 750 217 3 2500'S/O W SILVER SPRING UR DR 2010-1736 W GRANTOSA DR 2006 2009-1737 \$221980 0.396 8 1957 1009 223 4 W COURTLAND AV 2010-1737 83RD ST W VAN BECK AV \$166540 \$ 0.396 1962 757 570 3 2 2004 2009-1739 6 W WATERFORD AV

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Index No	Location of Project		Water Main Replacement	Breaks per 100 ft.	Size	Year Installed	Length	Qtr Sec	No. of Breaks	Previous Index No	
2010-1738	S ELLEN ST E MORGAN AV	E ST FRANCIS AV		0.396	8	1927	757	546	3 1 2006 1 2004	2009-1736	\$166540
	N PIERCE ST E CONCORDIA AV	E TOWNSEND ST		0.396	6	1897	505	281		2009-1740	\$111100
2010-1740		W HOWARD AV		0.396	8	1953	758	555		2009-1741	\$166760
2010-1741	·	420' S/O W CUSTER AV		0.394	8	1951	507	189		2009-1742	\$111540
2010-1742		E HOMER ST		0.394	6	1899	762	499	3 0 0	2009-1743	\$167640
2010-1743	W MEDFORD AV WWELLINGTON PL	N 73RD ST		0.392	8	1956	510	212	2 0 0	2009-1748	\$112200
2010-1744		W NORTH AV		0.392	6	1901	510	348	2 1 2007	2009-1746	\$112200
2010-1745	W NASH ST N 92ND ST	N 93RD ST		0.392	6	1928	255	261	1 1 2002 0 0	2009-1744	\$56100
2010-1746		W SAVELAND AV		0.392	6	1932	510	549	2 1 2001	2009-1747	\$112200
2010-1747	W HOPKINS ST (N/S) W VIENNA AV	W MELVINA ST		0.392	8	1936	510	269	2 1 2008 1 2001	2009-1745	\$112200
2010-1748	N PORT WASHINGTON RD N DR MARTIN L KING JR DR	W KEEFE AV		0.391	6	1900	511	283	2 0 0	2009-1749	\$112420
2010-1749		W HAMPTON AV		0.390	8	1955	1025	227	4 1 1998 1 1997	2009-1750	\$225500
2010-17 <b>50</b>		W SCOTT ST		0.390	12	1934	769	431	3 1 2004 0 0	2009-1751	\$169180
2010-1751	W HELENA ST N 37TH ST	N 39TH ST		0.390	8	1958	770	123	3 1 2004 0 0	2009-1752	\$169400
2010-1752	W 45TH ST W TOWNSEND ST	W KEEFE AV		0.388	6	1926	515	288	2 1 2005 1 2004	2009-1754	\$113300
2010-1753	S SHORE DR E ONTARIO ST	E PRYOR AV		0.388	6	1893	515	501	2 0 0	2009-1753	\$113300
2010-1754	N 24TH PL WAUER AV	W CONCORDIA AV		0.388	6	1901	774	285	3 2 2004	2009-1756	\$170280
2010-1755	W CUSTER AV	N 90TH ST		0.388	8	1958	774	186	3 1 2009 1 2006	2009-1755	\$170280
2010-1756	S 19TH ST W WOOD AV	W ASPEN ST		0.387	8	1959	775	736	3 1 2009 0 0	2009-1757	\$
2010-1757	N 26TH ST W HOPKINS ST	W NASH ST		0.386	6	1911	776	270	3 0 0	2009-1758	\$171160
2010-1758	N 22ND ST W LANCASTER AV	W EGGERT PL		0.385	8	1948	260	206		2009-1765	\$57200
2010-1759	N 62ND ST W FAIRMOUNT AV	W VILLARD AV		0.385	8	1951	1300	211	5 1 2008 1 2003	2009-1762	\$286000
2010-1760	N 54TH ST W HAMPTON AV	W FAIRMOUNT AV		0.385	8	1951	1300	210	5000	2009-1761	\$286000
2010-1761	W WELLS ST N 35TH ST	N 37TH ST		0.385	6	1892	520	387	2·1 2002	2009-1763	\$114400
2010-1762		W BURDICK AV		0.385	8	1958	520	526	2 1 2006	2009-1760	\$114400
2010-1763	N 79TH ST W CAPITOL DR	N 78TH ST		0.385	8	1955	520	252	2 2 2000	2009-1759	\$114400
2010-1764	N 51ST BL W HEMLOCK ST	520' N/O W HEMLOCK ST		0.385	8	1962	520	104	2 2 2001	2009-1764	\$114400
2010-1766	W ROOSEVELT DR N SHERMAN BV	W FOND DU LAC RD		0.382	8	1929	523	267	1 0 0	2009-1766	\$115060
2010-1766	N 71ST ST W BECKETT AV	W CAPITOL DR		0.382	6	1953	785	264	3 1 2006 1 2001	2009-1767	\$172700
	W GRANGE AV S 20TH ST	S 23RD ST		0.382	16	1958	1310	644	5 1 2006 1 2003	2009-1768	\$288200
201 <b>0-1</b> 768	N 66TH ST W LANCASTER AV	W VILLARD AV		0.381	6	1952	787	211	3 1 2004	2009-1769	\$173140
201 <b>0-176</b> 9	S 18TH ST WUPHAM CT	W CLAYTON CREST AV		0.381	8	1967	525	643	2 1 2001 1 1996	2009-1770	\$115500
<b>2010-177</b> 0	N 26TH ST W VLIET ST	W CHERRY ST		0.377	6	1890	530	364	2 0 0	2009-1772	\$116600

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Index No	Location of Project		Water Main Replacement	Breaks per 100 ft	Size	Year Installed	Length	Qtr Sec	No. o	f Breaks	Previous Index No.	
2010-1771	N FRANKLIN PL E BRADY ST	E HAMILTON ST		0.377	6	1885	530	355	2	1 2004 0 0	2009-1771	\$116600
2010-1772	N 58TH ST W VILLARD AV	W CUSTER AV		0.376	8	1950	1330	190	5	1 2008	2009-1773	\$292600
2010-1773	N 40TH ST W ROOSEVELT DR	W CAPITOL DR		0.375	6	1928	800	268	3		2009-1775	\$176000
2010-1774	N 28TH ST W MELVINA ST	W CAPITOL DR		0.375	8	1903	800	269	3		2009-1774	\$176000
2010-1776	N 35TH ST W SILVER SPRING DR	W THURSTON AV		0.375	8	1949	800	170	3	1 2007	2009-1777	\$ t76000
2010-1776	W MAPLEWOOD CT \$ 14TH ST	S 15TH PL		0.375	6	1961	800	643	3		2009-1778	Relay to 2004 main. \$176000
2010-1777	W SILVER SPRING RD W SILVER SPRING DR	N LOVERS LANE RD		0.375	16	1958	1600	180	6		2009-1776	\$352000
2010-1778	W GRANGE AV \$ 27TH ST	S 30TH ST		0.374	6	1965	535	645	2		2009-1779	\$117700
2010-1779	N 24TH PL W NASH ST	W VIENNA AV		0.374	6	1918	535	270	2		2009-1780	\$117700
2010-1780	W LEON TR N 60TH ST	W BALDWIN ST		0.374	8	1956	535	226		1 2001	2009-1781	\$117700
2010-1781		W GARFIELD AV		0.372	6	1903	538	348			2009-1782	\$118360
2010-1782	N 28TH ST W VINE ST	W BROWN ST		0.370	6	1889	540	349	2	•	2009-1784	\$118800
2010-1783	N 37TH ST W THURSTON AV	W FLORIST AV		0.370	8	1949	1890	171	7	· ·	2009-1783	\$415800
2010-1784		W GOOD HOPE RD		0.369	.8	1960	812	122	3		2009-1785	\$178640
2010-1785	N SHEPARD AV E KENWOOD BV	E HARTFORD AV		0.369	8	1896	1085	278	4		2009-1786	\$238700
2010-1786		W HAMPTON AV		0.368	8	1954	1900	228	7		2009-1787	\$418000
2010-1787		W MANGOLD AV		0.368	16	1957	1360	689	5		2009-1788	\$299200
2010-1788	N 62ND ST W FLORIST AV	W KAUL AV		0.367	6	1960	545	155	2		2009-1789	\$119900
2010-1789	W MANGOLD AV S 18TH ST	S 20TH ST		0.366	8	1961	819	689		-	2009-1790	\$180180
2010-1790	N SUMMIT AV E HARTFORD AV	E KENWOOD BV		0.364	6	1893	1100	278	4		2009-1791	\$242000
2010-1791	W KINNICKINNIC RIVER PK W SUMAC PL	PEDWAY W/O W SUMAC PL		0.361	12	1950	830	492	3		2009-1794	\$182600
2010-1792	W CALUMET RD N HIGHVIEW DR	N 80TH ST		0.361	8	1955	830	084	3		<b>200</b> 9-1792	6" pipe from 59th to 60th Street \$182600
2010-1793	N COLONIAL DR WAUER AV	W CONCORDIA AV		0.361	6	1953	830	294			<b>200</b> 9-1793	\$182600
2010-1794	N 75TH ST 233' S/O W STEVENSON ST	W STEVENSON ST		0.361	6	1930	277	406	1	<u> </u>	2009-1795	\$60940
2010-1795		N ARLINGTON PL		0.360	6	1877	555	359	2	0 0	2009-1797	\$122100
2010-1796	N 3RD ST	W VIENNA AV		0.360	6	1914	555	273	2		2009-1796	\$122100
2010-1797	W STATE ST	N 26TH ST		0.359	6	1887	835	389			2009-1798	\$183700
	E LINCOLN AV	S LOGAN AV		0.357	8	1893	280	465	1	-	2009-1799	\$61600
2010-1799		E MELVINA ST (VAC)		0.357	8	1928	840	274	3	-	2009-1802	\$184800
2010-1800	N 23RD ST	W BROWN ST		0.357	6	1890	1400	350	5	• •	2009-1801	\$308000
2010-1801		W LAYTON AV		0.357	6	1957	840	595	3		2009-1800	\$184800
2010-1802		W RAMSEY AV		0.357	16	1957	640	670	3		2009-1803	\$193600
2010-1803	W WASHINGTON BL	N 56TH ST		0.357	6	1916	280	368	1		2009-1804	\$61600

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Index No	Location of Project		Water Main Replacement	Breaks per 100 ft.	Size	Year Installed	Length	Qtr Sec	No. of	Breaks	Previous Index No.	- 50	
2010-1804	N DELTA PL W SPRING LN	N HIGHVIEW DR		0.355	6	1955	564	084	2	0 0	2009-1805		\$124080
	W LANGLADE ST N 95TH ST	N DENMARK ST		0.354	8	1958	1130	151		1 2008	2009-1806		\$248600
2010-1806		W HARRISON AV		0.354	6	1906	565	497	2	1 2002	2009-1808		\$124300
2010-1807		W LUEBBE LN		0.354	8	1955	1130	084	4	1 2008	2009-1807		\$248600
2010-1808	W LYNNDALE AV S 33RD ST	S 35TH ST		0.352	8	1953	1420	553		1 199 <sup>-</sup> 3 198 <sup>-</sup>	2009-1809		\$312400
	W SWAN CR	N 93RD ST		0.351	8	1959	570	178	2	0 0	2009-1810		\$125400
	W MEINECKE AV N 35TH ST	N 36TH ST		0.351	6	1907	285	327	1	1 200	2009-1811		\$62700
2010-1811		W ABBOTT AV		0.349	16	1958	860	642	3	1 2008	2009-1814		\$189200
2010-1812		ALLEY S/O W NATIONAL AV		0.349			860	435	3	0 0	2009-1812		\$
2010-1813		E BELLVIEW PL (EXT'D)		0.349	6	1904	860	320	3	1 1994 1 1975	2009-1813		\$189200
2010-1814	N 91ST ST (W/S) W LYNX AV	W MILL RD		0.348	8	1960	1150	151	4	1 200	2009-1815		\$253000
2010-1815	-	W FLAGG AV		0.347	19	8	576	178	2	1 200-	2009-1816		S
2010-1816		W MITCHELL ST		0.347	6	1910	577	458	2	0	2009-1817		\$126940
2010-1817	W CUSTER AV N HOPKINS ST	N 44TH ST		0.346	6	1949	578	192	2	1 200	2009-1818		\$127180
	N 78TH ST W CARMEN AV	W BOBOLINK AV		0.345	6	1959	869	176	3	1 200-	2009-1819		\$191180
	E WELLS ST (N/S) N MILWAUKEE ST	N JEFFERSON ST		0.345	8	1959	290	393	1	1 200	2009-1821		\$63800
1	W APPLETON AV W COURTLAND AV	W DERBY PL		0.345	8	1956	580	224	2	1 200	2009-1822		\$127600
	N 88TH CT W ROHR AV	245' S/O W ROHR AV		0.345	6	1961	290	186	1	0 0	2009-1823		\$63800
	W KEEFE AV N 76TH ST	N 77TH ST		0.345	8	1954	290	292		0	2009-1820		\$63800
	W MEDFORD AV W HAMPTON AV	W STARK ST		0.343	8	1956	875	212	3	1 200	2009-1824		\$192500
-	W CLEVELAND AV S 15TH ST	S 16TH ST		0.340	12	1913	589	496	2	0	2009-1825		\$129580
	W BROWN ST N 35TH ST	N 36TH ST		0.339	6	1895	295	348	1	1 200	2009-1826		\$64900
	W HARRISON AV	S 69TH ST		0.338	8	1951	887	490	3	1 200- 0 0	2009-1827		\$195140
2010-1827		W NORWICH AV		0.338	8	1959	592	573	2	0	2009-1828		\$130240
2010-1828		W FAIRMOUNT AV		0.337	8	1956	890	217	3	0	2009-1828		\$195800
2010-1829	W FOND DU LAC AV (S/S) W BALDWIN ST	W ARMITAGE AV		0.337	8	1958	890	226	3	1 200 1 200	2009-1830		\$195800
2010-1830	N ATH ST	W MELVINA ST		0.336	6	1921	595	272	2	0 0	2009-1831		Abandon main N/O Melvina? No connections shown.
2010-1831	W MICHIGAN ST N 23RD ST	N 25TH ST		0.335	6	1885	895	400	3	1 200- 0 0	2009-1834		\$196900
	E MANITOBA ST SLOGAN AV	S CALIFORNIA ST		0.335	6	1906	895	504	3	0 0	2009-1833		\$196900
2010-1833		W CLINTON AV		0.335	12	1960	895	102	3	1 199 1 199	2009-1832		\$196900
2010-1834	N 28TH ST W GLENDALE AV	W COURTLAND AV		0.335	6	1925	597	230		1 200	2009-1835		\$131340
	W SALEM ST 400' E/O S 19TH ST	S 20TH ST		0.334	8	1959	899	716	3	1 200	2009-1838		\$197780
	W BOTTSFORD AV S 65TH ST	S 66TH ST		0.333	6	1955	300	603	1	1 200	2009-1841		\$66000

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Index No	Location of Project		Water Main Replacement	Breaks per 100 ft.	Size	Year Installed	Length	Qtr Sec	No_ o	f Breaks	Previous Index No.	
2010-1837	W FOREST HOME AV (S/S) S 68TH ST	W PLAINFIELD AV		0.333	8	1963	1200	571	4	1 1994	2009-1851	\$264000
2010-1838		N MURRAY AV		0.333	6	1890	300	319	1		2009-1838	\$66000
2010-1839	E NATIONAL AV 600' W/O S WATER ST	S WATER ST		0.333	12	1889	600	430	2	1 2000	2009-1853	\$132000
	W SUNNYSIDE DR N 49TH ST	N 50TH ST		0.333	6	1927	300	403	1	0 0	2009-1847	\$66000
	W SHERIDAN AV N TEUTONIA AV	N 31ST ST		0.333	8	1928	300	193	1	0 0	2 <b>00</b> 9-1840	\$66000
2010-1842	S 20TH ST W CLEVELAND AV	1200' S/O W CLEVELAND AV		0.333	12	1930	1200	509			2009-1850	\$264000
2010-1843	N 98TH ST W METCALF PL	W LISBON AV		0.333	6	1956	300	261	1	1 2001 0 0	2009-1837	\$66000
2010-1844	S 21ST ST W BARNARD AV	300' S/O W LAYTON AV		0.333	6	1955	300	623	1	1 1997 0 0	2009-1848	\$66000
2010-1845	W BURLEIGH ST N 41ST ST	N 42ND ST		0.333	8	1917	300	308	1	1 2000 0 0	2009-1849	\$66000
2010-1846	N LAKE DR E NEWPORT AV	E EDGEWOOD AV		0.333	8	1895	900	278	3	1 1996 0 0	2009-1844	\$198000
2010-1847	W WINDLAKE AV S 16TH ST	S 17TH ST		0.333	6	1895	300	496	1	0 0	2009-1848	\$66000
2010-1848	W HOPE AV N 25TH ST	N 27TH ST		0.333	6	1925	600	245	2	0 0	2009-1852	\$132000
2010-1849	W FOREST HOME AV (N/S) S 49TH ST	S 51ST ST		0.333	8	1952	900	531	3	1 1982 2 1981	2009-1845	INQ, BY MWW 1994 \$198000
2010-1850	W TRIPOLIAV S 73RD ST	S 74TH ST		0.333	8	1964	300	558		1 2004 0 0	2009-1842	\$66000
2010-1851	N 10TH ST (W.E. 215) 300 S/O W BROWN ST	W BROWN ST		0.333	6	1966	300	352	1	1 2001	2009-1839	\$66000
2010-1852	S HONEY CREEK DR S LORENE AV	W PARNELL AV		0.333	12	1958	300	667	1	0 0	2009-1843	\$66000
2010-1853	N 107TH ST W VILLARD AV	W LAWN AV		0.331	16	1958	905	184	3	0 0	2009-1854	\$199100
2010-1854	S 51ST ST W LINCOLN AV	W FILLMORE DR		0.331	12	1964	605	492	2	0 0	2009-1855	\$133100
2010-1855	N HUMBOLDT BL E VIENNA AV (E/S)	E ABERT PL (E/S)		0.328	8	1915	610	274	2	1 2007 1 2001	2009-1856	\$134200
2010-1856	S 37TH ST W RAMSEY AV	W HENRY CT		0.328	8	1965	305	692	1	000	2009-1860	\$67100
2010-1857	W WRIGHT ST N 55TH ST	N 56TH ST		0.328	8	1925	305	329		1 2004 0 0	2009-1858	\$67100
2010-1858	W BURLEIGH ST N 25TH ST	N 27TH ST		0.328	8	1908	610	285		1 2002 0 0	2009-1861	\$134200
2010-1859	W LEEDS PL W FOREST HOME AV	300' W/O W FOREST HOME		0.328	6	1919	305	494	1	00 000	2009-1859	\$67100
2010-1860	W MITCHELL ST S LAYTON BV	S 28TH ST		0.328	8	1905	305	458		1 2001	2009-1857	\$67100
	E MASON ST N MILWAUKEE ST	N JACKSON ST		0.327	6	1872	612	393	2	• •	2009-1862	\$134640
2010-1862		E SINGER CI		0.326	8	1915	920	275	3	• •	2009-1863	\$202400
2010-1863	N 17TH ST W VIENNA AV	W ATKINSON AV		0.325	6	1920	615	271	2		2009-1866	\$135300
2010-1864	W APPLETON AV 200 NW/O N 99TH ST	W CARMEN AV		0.325	12	1959	615	179	2		2009-1868	\$135300
2010-1865				0.325	6	1927	615	275	2		2009-1865	\$135300
2010-1866		W CALUMET RD		0.325	8	1962	615	104	2	• •	2009-1867	\$135300
2010-1867		W MALLORY AV	2010-419	0.325	6	1961	615	644	2		2009-1864	Relay to 8"x6" reducer. \$135300
2010-1868	N 65TH ST W MELVINA ST	W CAPITOL DR		0.324	6	1956	617	265		-	2009-1869	\$135300



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Index No	Location of Project		Water Main Replacement	Breaks per 100 ft	Size	Year Installed	Length	Qtr Sec	No. of	Breaks	Previous Index No	
2010-1869	W MILL RD N 42ND ST	N 43RD ST		0.323	8	1959	310	137	1	1 2001 0 0	2009-1874	\$68200
2010-1870	N 15TH ST W HAUSER AV	W CONGRESS ST		0.323	6	1928	620	244		1 2001 0 0	2009-1873	\$136400
2010-1871	N 97TH ST N GRANVILLE RD	W ARCH AV		0.323	8	1978	310	073		1 2002 0 0	2009-1876	\$68200
2010-1872	W GRANTOSA DR (N/S) W GERTRUDE DR	N EVANS ST		0.323	6	1954	930	213	3	1 1995 1 1991	2009-1 <b>87</b> 0	1994 PAVING @ GERTRUDE \$204600
2010-1873	W VLIET ST N 24TH PL	N 25TH ST		0.323	6	1885	310	364	1	0 0 0 0	2009-1 <b>87</b> 2	\$68200
2010-1874	N 81ST ST W CHAMBERS ST	W BURLEIGH ST		0.323	6	1928	620	303		0 0	2009-1 <b>87</b> 1	\$136400
2010-1875	W WISCONSIN AV (N/S) N 38TH ST	270' W/O N 38TH ST		0.323	8	1934	310	387		1 2001 0 0	2009-1875	\$68200
2010-1875	N HUMBOLDT AV E HAMILTON ST	N WATER ST		0.321	6	1886	624	354		1 2004 0 0	2009-1877	\$137280
2010-1877	S 36TH ST W LAPHAM ST	W MITCHELL ST		0.320	8	1926	625	457	2	0 0 0 0	2009-1881	\$137500
2010-1878	W FOREST HOME AV 430' E/O S 76TH ST	S 76TH ST		0.320	8	1963	625	605	2	0 0	2009-1879	\$137500
2010-1879	E MORGAN AV S GRIFFIN AV	S QUINCY AV		0.320	12	1927	625	538	2	0 0	2009-1892	\$137500
2010-1880	N 39TH ST W LLOYD ST	W GARFIELD AV		0.320	6	1948	625	348	2	0 0	2009-1883	\$137500
2010-1881	W EGGERT PL N SHERMAN BL	N 45TH ST		0.320	8	1954	625	209	2	1 2008 0 0	2009-1880	\$137500
2010-1882	W CLARKE ST N 40TH ST	N GRANT BV		0.320	6	1914	625	327		0 0	2009-1878	\$137500
	W LOCUST ST N DR MARTIN L KING JR DR	N 4TH ST		0.319	6	1897	313	313	1	1 2004	2009-1884	\$68860
2010-1884	W SHERIDAN AV N 61ST ST	N 64TH ST		0.317	8	1951	945	189	3	1 2009 0 0	2009-1885	\$207900
2010-1885	N 33RD ST WAUER AV	605' N/O W AUER AV		0.317	6	1915	630	286	2	1 2001 1 1990	2009-1886	\$138600
2010-1886	W CENTER ST (N/S) N 52ND ST	N 53RD ST		0.317	12	1925	315	306		1 2000 0 0	2009-1890	\$69300
<b>201</b> 0-1887	W STARK ST N 65TH ST	N 66TH ST		0.317	8	1955	315	211	1	1 2001 0 0	2009-1887	\$69300
2010-1888	S 15TH PL 130' S/O W CLEVELAND AV	UNION PACIFIC RR TRACK		0.317	6	1913	630	508	2	1 2003 1 2001	2009-1892	\$138600
2010-1889	W WATERFORD AV S SHANNON AV	S ALEXANDER ST		0.317	6	1951	315	585	1	1 1989 0 0	2009-1894	\$69300
2010-1890		W ST PAUL AV		0.317	6	1949	315	408		0 0	2009-1889	\$69300
2010-1891	W LOCUST ST N 52ND ST	N 53RD ST		0.317	8	1925	315	306	1	0 0	2009-18 <b>9</b> 1	\$69300
2010-1892	W STARK ST N 39TH ST	N 41ST ST		0.317	8	1950	630	208	2	0 0	2009-1893	\$138600
2010-1893	W VIENNA AV N 18TH ST	N 19TH ST		0.317	6	1914	315	271		1 2002 0 0	2009-1888	\$69300
2010-1894	W FAIRMOUNT AV	N 49TH ST		0.317	8	1952	631	209		1 2004 0 0	2009-1896	\$138820
2010-1895	S 52ND ST W WILBUR AV	W CRAWFORD AV		0.317	6	1954	631	556	2	1 2009 0 0	2009-1895	\$138820
2010-1896	S 11TH ST W CANAL ST	900' S/O W CANAL ST		0.316	8	1954	950	427	3	2 2004 0 0	2009-1898	\$209000
2010-1897		W VERONA CT		0.316	8	1954	950	528	3	0 0	2009-1897	\$209000
2010-1898	E ABERT PL N RICHARDS ST	N PALMER ST		0.315	6	1931	635	273	2	0 0	2009-1901	\$139700
2010-1899	S 17TH ST W CRAWFORD AV	W HOWARD AV		0.315	6	1927	635	551		1 2004 0 0	2009-1900	\$139700
	W LLOYD ST N 37TH ST	N 39TH ST		0.315	6	1907	635	348	2	0 0	2009-1899	\$139700
2010-1901	W HOPE AV N 69TH ST	N 70TH ST		0.313	8	1955	320	251	1	1 2001 0 0	2009-1912	\$70400

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No	Location of Project		Water Main		Size	Year	Length	Qtr	No. o	f Breaks	Previous	
-			Replacement	100 ft_		Installed		Sec			Index No.	
	W NORTH AV N 26TH ST	N 27TH ST		0.313	12	1936	320	350	1	0 0	2009-1907	\$70400
	W ELLIOTT CR N 58TH ST	N 59TH ST		0.313	6	1920	320	346	1	1 2001 0 0	2009-1909	\$70400
2010-1904	N HUMBOLDT AV	N DOUSMAN ST		0.313	6	1926	320	280	1	0 0	2009-1903	\$70400
2010-1905	W LOCUST ST N 32ND ST	N 33RD ST		0.313	6	1910	320	309	1	0 0	2009-1911	\$70400
2010-1906	W LISBON AV (N/S) N 33RD ST	N 35TH ST		0.313	6	1893	320	349	1	0 0	2009-1904	\$70400
2010-1907	W WHITAKER AV S 20TH ST	S 21ST ST		0.313	8	1958	320	598	1	1 2001	2009-1913	\$70400
2010-1908	W MILL RD 320 E/O N 71ST ST	N 71ST ST		0.313	16	1958	320	141	1	1 2001	2009-1908	\$70400
	W CONGRESS ST	N 37TH ST		0.313	8	1937	320	247	1		2009-1910	\$70400
	W VERONA CT S 22ND ST	S 24TH ST		0.313	8	1949	640	534	2		<b>20</b> 09-1902	\$140800
	W CHAMBERS ST	N 61ST ST		0.313	8	1927	320	305	1		2009-1906	\$70400
	W OLIVE ST N 18TH ST	N 19TH ST		0.313	8	1927	320	244	1	-	2009-1905	\$70400
2010-1913		W SILVER SPRING DR		0.313	6	1920	640	192	2		2009-1914	 \$140800
2010-1914	· · · · · · · · · · · · · · · · · · ·			0.311	8	1958	644	186			2009-1915	 \$141680
2010-1915	W MALLORY AV \$ 21ST ST	W ROHR AV	2010-421	0.310	8	1963	645	644	2	0 0	2009-1917	 \$141900
2010-1916		\$ 22ND PL		0.310	8	1957	645	174	2	0 0	2009-1920	 \$141900
2010-1917		W FLORIST AV		0.310	6	1887	645	323	2	0 0	2009-1916	 \$141900
2010-1918		W MEINECKE AV		0.310	6	1895	645	459		0 0	2009-1919	\$141900
2010-1919		W MITCHELL ST		0.310	6	1902	645	285	2	0 0	2009-1918	\$141900
		W AUER AV		0.309	8	1939	648	_		0 0	2009-1923	 \$142560
2010-1921	W CONCORDIA AV N 82ND ST	N 84TH ST						292	2	0 0		\$142560
	N BREMEN ST	N PIERCE ST		0.309	8	1901	648	281	2	0 0	2009-1922	
	N MONTREAL ST	W HOPE AV		0.308	8	1927	650	247		0 0	2009-1930	 \$143000
	W OHIO AV S 11TH ST	S 12TH ST		0.308	8	1926	325	536	1	0 0	2009-1937	\$71500
	W DICKINSON ST S67TH ST	S 68TH ST		0.308	8	1927	325	420	1	1 2001 0 0	2009-1935	\$71500
	W HADLEY ST N 82ND ST	N 84TH ST		0.308	8	1928	650	303	2	0 0	2009-1927	\$143000
1010-1926	W GLENDALE AV N 28TH ST	N 29TH ST		0.308	8	1925	325	230	1	0 0	<b>20</b> 09-1 <b>9</b> 28	\$71500
2010-1927	N 56TH ST W FAIRMOUNT AV	W VILLARD AV		0.308	8	1951	1300	210	4	1 1992 0 0	2009-1936	\$286000
2010-1926	S 41ST ST W MANITOBA ST	W OKLAHOMA AV		0.308	6	1928	650	511	2	1 2001 1 2000	2009-1931	\$143000
2010-1929	N HUMBOLDT AV (E/S) E CHAMBERS ST (SOUTH)	E CHAMBERS ST (NORTH)		0.308	8	1894	325	280	1	0 0	2009-1938	\$71500
2010-1930	N 80TH ST W CENTER ST	W LORRAINE PL		0.308	6	1928	325	303	1	1 2004	2009-1934	\$71500
2010-1931				0.308	8	1947	650	322	2	1 2001 0 0	2009-1929	\$143000
2010-1932	W PALMETTO AV W EVANS ST	W GERTRUDE DR		0.308	8	1956	975	213	3		2009-1925	\$214500
	W HOPE AV N 45TH ST	N 46TH ST		0.308	8	1936	325	248	1		2009-1924	\$71500
	W LOCUST ST N 46TH ST	N 47TH ST		0.308	8	1922	325	307	1		2009-1926	\$71500

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index No	Location of Project		Water Main Replacement	Breaks per 100 ft	Size	Year Installed	Length	Qtr Sec	No. of	Breaks	Previous Index No.	
2010-1935	S MELINDA ST S 36TH CT	S LORENE AV		0.308	6	1959	325	667	1	1 2000 0 0	2009-1933	\$71500
2010-1936	N SHERMAN BL (W/S) W CLARKE ST	W CENTER ST		0.308	6	1916	650	328	2		2009-1932	\$143000
2010-1937	S SUPERIOR ST E OKLAHOMA AV	S SUPERIOR ST TO METER		0.307	6	1900	651	541	2	0 0 0 0	2009-1940	\$143220
2010-1938	N 61ST ST W FIEBRANTZ AV	W HOPE AV		0.307	6	1954	651	250		1 2004	2009-1939	\$143220
	N 18TH ST WKILBOURN AV	W HIGHLAND AV		0.306	8	1876	980	390	3	1 1988 1 1982	2009-1941	\$215600
2010-1940		W ORCHARD ST		0.306	12	1875	327	462	1		2009-1942	\$71940
2010-1941	W COLLEGE AV S 20TH ST	S 23RD ST		0.305	16	1957	1310	690	4	1 2005	2009-1948	\$288200
2010-1942	N FRATNEY ST E MEINECKE AV	E WRIGHT ST		0.305	6	1894	655	321	2	2 2004 0 0	2009-1949	\$144100
2010-1943	W CENTER ST N 23RD ST	N 24TH PL		0.305	8	1891	655	310	2	1 2006 0 0	2009-1950	\$144100
2010-1944	S 18TH ST (VACATED) W EUCLID AV			0.305	6	1924	655	535	2	1 2003	2009-1944	\$144100
2010-1945	N 92ND ST W BURLEIGH ST	W AUER AV		0.305	8	1928	655	293	2	1 2001 0 0	2009-1946	\$144100
	W FLORIST AV (S/S) N 76TH ST	N 78TH ST		0.305	12	1959	655	176		0 0	2009-1943	\$144100
2010-1947	S 14TH ST W MANITOBA ST	W OKLAHOMA AV		0.305	6	1911	655	508	2	0 0	2009-1947	\$144100
	W HOWARD AV S 43RD ST	S 45TH ST		0.305	16	1960	655	555	2	1 2004 0 0	2009-1945	\$144100
2010-1949	S HERMAN ST WEUCLID AV	W OHIO AV		0.305	6	1937	656	539	2	1 2005 1 2004	2009-1951	\$144320
2010-1950	S 53RD ST WEUCLID AV	W OHIO AV		0.304	8	1951	657	530	2	0 0	2009-1953	\$144540
2010-1951	N 20TH ST W WRIGHT ST	W CLARKE ST		0.304	6	1893	657	324	2	2 2004 0 0	2009-1952	\$144540
	N 8TH ST W MCAULEY PL	W MICHIGAN ST		0.304	8	1964	329	398	1	1 2004 0 0	2009-1954	\$72380
2010-1953	S 60TH ST W STACK DR	W BENNETT AV		0.304	12	1952	988	514	3	0 ( 0 (	2009-1955	\$217360
2010-1954	N FREDERICK AV	E LINNWOOD AV		0.303	6	1899	659	316	2	2 2004 0 0	2009-1956	\$144980
2010-1955	S 19TH ST W SALEM ST	S 18TH ST		0.303	8	1959	330	716		0 0	2009-1968	\$72600
2010-1956	N 50TH ST W FIEBRANTZ AV	W HOPE AV		0.303	6	1950	660	248		1 2004 0 0	2009-1965	\$145200
2010-1957	S 88TH ST W WILBUR AV	W CRAWFORD AV		0.303	8	1957	660	560	2	0 0	2009-1962	\$145200
2010-1958	S 55TH ST WEUCLID AV	W OHIO AV		0.303	8	1954	660	530	2	0 ( 0 (	2009-1975	\$145200
2010-1959	S 2ND ST W ORCHARD ST	W LAPHAM BLVD		0.303	12	1875	660	462	2	1 2001 1 1923	2009-1961	\$145200
<b>2010-196</b> 0	W ATKINSON AV (N/S) N 19TH ST	W CAPITOL DR		0.303	8	1923	330	271	1	0 0	2009-1957	\$72600
2010-1961	N 37TH ST W NORTH AV	W MEINECKE AV		0.303	6	1901	660	327	2	0 (	2009-1958	\$145200
2010-1962	W FIEBRANTZ AV N 85TH ST	N 86TH ST		0.303	8	1954	330	253		1 2001 0 (	2009-1959	\$72600
2010-1963	S 34TH ST W MONTANA ST	W DAKOTA ST		0.303	6	1927	660	510	2	1 2001 0 (	2009-1974	\$145200
2010-1964	W BURLEIGH ST N 86TH ST	N 87TH ST		0.303	8	1948	330	302	1	0 ( 0 (	2009-1972	\$72600
2010-1965	E CENTER ST N BOOTH ST	N PIERCE ST	(). ().	0.303	12	1931	330	321	1	0 0	2009-1976	\$72600
2010-1966	N 103RD ST WHAMPTON AV	W CAMERON AV		0.303	8	1959	990	216	3	2 2004 0 (	2009-1970	\$217800

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Index No	Location of Project		Water Main Replacement	Breaks per 100 ft	Size	Year Installed	Length	Qtr Sec	No. c	f Breaks	Previous Index No	
2010-1967	W WILBUR AV S 13TH ST	S 15TH ST		0.303	6	1927	660	551	2	0 0	2009-1977	\$145200
	N 85TH ST WAUER AV	W CONCORDIA AV		0.303	8	1950	660	293	2	-	2009-1978	\$145200
the second second second second second second second second second second second second second second second se	N 47TH ST (W/S) W STARK ST	W FAIRMOUNT AV		0.303	8	1954	660	209	2	* *	2009-1971	\$145200
	N 24TH ST W CENTER ST	W HADLEY ST		0.303	6	1895	660	310	2		2009-1966	\$145200
	W PALMETTO AV W BUTLER PL	N 91ST ST		0.303	8	1957	660	223	2		2009-1969	\$145200
2010-1972				0.303	12	12	660	578	2		2009-1973	\$145200
2010-1973	W CONGRESS ST	N 72ND ST		0.303	12	1955	330	225	1		2009-1967	 \$72600
and a second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second sec	W WALNUT ST N 19TH ST	N 20TH ST		0.303	12	1939	330	363	1		2009-1960	\$72600
	W LOCUST ST N 22ND ST	N 24TH ST		0.303	6	1905	660	310	2		2009-1963	\$145200
	W SILVER SPRING DR (N/S) N 93RD ST			0.303	16	1958	330	178	1		2009-1964	\$72600
2010-1977		W RUBY AV		0.303	8	1955	661	225	2		2009-1979	\$145420
2010-1978	the second second second second second second second second second second second second second second second se	E SIVYER AV		0.302	6	1956	331	544	1	• •	2009-1980	\$72820
2010-1979	W FLORIST AV N 65TH ST	N 68TH ST		0.302	12	1957	995	174	3	• •	2009-1981	\$218900
2010-1980		W CENTER ST		0.301	6	1928	664	330	2		2009-1982	 \$146080
2010-1981	S 10TH ST W LAPHAM ST	W ORCHARD ST		0.301	6	1885	665	461	2	-	2009-1985	\$146300
	S LAYTON BL W PIERCE ST	W NATIONAL AV		0.301	12	1959	665	435	2	* *	2009-1984	\$146300
2010-1983	N 61ST ST W MARION ST	W CONGRESS ST		0.301	6	1954	665	250	2	<u> </u>	2009-1983	\$146300
2010-1984		W MANITOBA ST		0.301	6	1927	665	512	2		2009-1986	\$146300
2010-1985	S 21ST ST W CLAYTON CREST AV	W MALLORY AV	2010-420	0.300	6	1959	666	644	2		2009-1987	\$146520
2010-1986	S ALDRICH ST E BAY ST	E LINCOLN AV		0.300	6	1891	1000	465	3	1 1995	2009-1988	\$220000
	W MONROVIA AV W CROSSFIELD AV	N 69TH ST	1	0.300	8	1957	1000	152	3		2009-1989	\$220000
	W DAKOTA ST S 45TH ST	S 48TH ST		0.300	8	1927	1000	512	3		2009-1990	\$220000
2010-1989	W NORTH AV N 15TH ST	N 17TH ST		0.300	8	1936	667	324	2	- •	2009-1992	\$146740
	W POTOMAC AV W STARK ST	W FAIRMOUNT AV		0.300	8	1958	667	214	2		2009-1991	\$146740
2010-1991	N 1ST ST E &W CENTER ST	W HADLEY ST		0.300	6	1891	667	313	2		2009-1993	\$146740
	W ROOSEVELT DR (S/S) N 37TH ST	N 39TH ST		0.299	8	1926	668	268	2		2009-1994	\$146960
2010-1993		W ALLERTON AV		0.299	6	1955	669	603	2		2009-1996	\$147180
2010-1994	W FIEBRANTZ AV N 88TH ST	N 89TH ST		0.299	8	1956	669	253	2	• •	2009-1995	\$147180
2010-1995		670' S/O W MORGAN AV		0.299	6	1927	670	551	2		2009-2000	\$147400
2010-1996	W VIENNA AV N 19TH ST	N 19TH PL		0.299	6	1911	335	271	1	* *	2009-2002	\$73700
	W HADLEY ST N 86TH ST	N 87TH ST		0.299	8	1948	335	302	1	<u> </u>	2009-2001	\$73700
2010-1998	63RD ST W FAIRMOUNT AV	W VILLARD AV		0.299	8	1952	1340	211	4		2009-1999	\$294800
2010-1999	W BOTTSFORD AVE S 3RD ST	S 5TH ST		0.299	6	1950	670	595	2	-	2009-2005	\$147400

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Index No	Location of Project		Water Main Replacement	Breaks per 100 ft.	Size	Year Installed	Length	Qtr Sec	No, c	of Breaks	Previous Index No.	
2010-2000	N 20TH ST W CUSTER AV	W NEIL PL		0.299	8	1953	335	194	1	0	0 2009-2004	\$73700
2010-2001	W HOLT AV S 19TH ST	S 20TH ST		0.299	8	1926	335	535	1	0 0	0 2009-2003 0	\$73700
2010-2002	W MONTANA ST S 44TH ST	S 45TH ST		0.299	8	1928	335	512	1	0	0 2009-1998	\$73700
2010-2003	W VILLARD AV N 45TH ST	N 46TH ST		0.299	8	1957	335	191	1	0	0 2009-1997	\$73700
2010-2004	N 41ST ST W FIEBRANTZ AV	W HOPE AV		0.298	6	1928	672	247	2	1 200 0	4 2009-2006 0	\$147840
2010-2005		W RING ST		0.297	6	1896	1010	283	3	1 200 0	5 2009-2007 0	\$222200
2010-2006	W DAKOTA ST N 11TH ST	N 14TH ST		0.296	8	1911	1013	508	3	1 200 0	4 2009-2008 0	\$222860
2010-2007	W LOCUST ST N 49TH ST	N 51ST ST		0.295	8	1922	677	307	2	1 200 0	4 2009-2009 0	\$148940
2010-2008	W FIEBRANTZ AV N 44TH ST	N 45TH ST		0.294	8	1929	340	248	1	0	0 2009-2016	\$74800
2010-2009	N 1ST ST WKEEFE AV	W NASH ST		0.294	8	1910	680	273	2	1 200 1 200	05 2009-2012 )4	\$149600
2010-2010	W LOCUST ST N 85TH ST	N 86TH ST		0.294	8	1949	340	302	1	1 200 0	01 2009-2011	\$74800
2010-2011	N 73RD ST W BOBOLINK AV	W FLORIST AV		0.294	8	1959	680	175	2	1 20 0	4 2009-2013 0	\$149600
2010-2012	W TOWNSEND ST	N 89TH ST		0.294	8	1949	340	293	1	1 20 0	01 2009-2015	\$74800
<b>2010-</b> 2013	N 1ST ST E MELVINA ST	E CAPITOL DR		0.294	8	1920	340	273	1	0	02009-2010	\$74800
2010-2014		W WELLS ST		0.294	6	1886	1020	388	3	0	0 2009-2014	\$224400
2010-2015		W AUER AV		0.293	6	1926	682	288	2	1 20 1 20	06 2009-2017 04	\$150040
<b>201</b> 0-2016		W STARK ST		0.292	8	1918	685	208	2	0	0 2009-2019	\$150700
2010-2017	S 44TH ST W CLEVELAND AV	W MONTANA ST		0.292	6	1928	685	512	2	0	0 2009-2018	\$150700
2010-2018	N SUMMIT AV E LINNWOOD AV	E KENWOOD BV		0.292	6	1896	685	278	2	1 20 0	09 2009-2020 0	\$150700
2010-2019	N 85TH ST W LANCASTER AV	W VILLARD AV		0.292	8	1959	686	214	2	2 20 0	04 2009-2021 0	\$150920
<b>2010-20</b> 20		N MILWAUKEE ST		0.291	12	1872	687	392	2	0	0 2009-2022	\$151140
2010-2021	N 41ST ST WLANCASTER AV	DEADEND		0.291	8	1936	344	208	1	1 20 0	2009-2023 0	\$75680
2010-2022	N PROSPECT AV E WOODSTOCK PL	E KENILWORTH PL	_	0.290	20	1873	345	319	1	1 20 0	04 2009-2024	\$
2010-2023	N 13TH ST W MEINECKE AV	W WRIGHT ST		0.290	6	1896	690	324	2	0 0	02009-2025	\$151800
	W VILLARD AV N 63RD ST	N 65TH ST		0.288	12	1951	695	211	2	0 0	0 2009-2028 0	\$152900
2010-2025	N 66TH ST W CONGRESS ST	W RUBY AV		0.288	6	1955	695	226	2	1 20 1 20	08 2009-2027 04	\$152900
2010-2026	N 76TH ST	W RUBY AV		0.288	16	1957	695	225	2	2 20 0	012009-2026	\$152900
2010-2027	W ELM ST 500 W OF N TEUTONIA AV	1200'W OF N TEUTONIA AV		0.286	8	1958	700	137	2	1 20 1 20	22 2009-2033	\$154000
2010-2028	N 41ST ST W GLENDALE AV	300' N/O W GLENDALE AV		0.286	6	1926	350	229	1	1 20 0	0 2009-2032	\$77000
2010-2029	W LAPHAM ST S 26TH ST	S LAYTON BV		0.286	6	1907	350	459	1	1 20 0	01 2009-2029	\$77000
2010-2030		250' E/O E PITTSBURGH AV		0.286	16	1873	350	429	1	1 19 0	<sup>38</sup> 2009-2034	1992 PAV PROG. PASSED PRESS TEST \$77000
2010-2031	W WELLS ST N 15TH ST	N 17TH ST		0.286	8	1928	700	390	2	1 20 0	04 2009-2030	\$154000
	N 107TH ST W HAMPTON AV	W STARK ST		0.286	16	1957	700	217	2	0	0 2009-2031	\$154000

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Index No	Location of Project		Water Main Replacement	Breaks per 100 ft.	Size	Year Installed	Length	Qtr Sec	No. of	f Breaks	Previous Index No.		
2010-2033	N 69TH ST W TALLMADGE CT	W GRANTOSA DR		0.285	8	1953	701	188		1 2004	2009-2035	\$1542	20
2010-2034	W PIERCE ST S 6TH ST	S 7TH ST		0.283	6	1873	353	427	1	0 0	2009-2036	\$7766	<del>3</del> 0
2010-2035	W NEIL PL N 20TH ST	DEADEND		0.282	6	1953	1063	194	3	1 2004	2009-2037	\$2338	60
2010-2036	N 82ND ST W KEEFE AV	W NASH ST		0.282	6	1951	710	265	2		2009-2039	\$1562	:00
2010-2037	S 2ND ST W NATIONAL AV	W WALKER ST		0.282	12	1873	355	431	1		2009-2040	Relay to 20"x12" re of W. National Ave	
2010-2038	S 60TH ST W NORWICH AV	W WATERFORD AV		0.282	8	1957	710	572	2	0 0	2009-2038	\$1562	
2010-2039	W GOOD HOPE RD (S/S) N 38TH ST	N 41ST ST		0.280	12	1958	1070	123	3	1 2008	2009-2041	\$2354	;00
2010-2040	W GOOD HOPE RD	N 89TH ST		0.280	16	1964	715	108	2		2009-2042	\$1573	:00
2010-2041	W VILLARD AV N 91ST ST	N 84TH ST		0.279	12	1955	1075	213	3		2009-2043	\$2365	00
2010-2042		W HARRISON AV	а.	0.279	8	1938	718	498	2		2009-2044	\$1579	60
2010-2043		360" N/O W THURSTON AV		0.278	8	1948	360	171	1		2009-2047	\$7920	00
2010-2044		S LOGAN AV		0.278	6	1896	360	500	1		2009-2048	\$7920	00
2010-2045		N 16TH ST		0.278	12	1939	720	363	2	-	2009-2046	\$1584	.00
2010-2046	N SUMMIT AV E KENILWORTH PL	E IVANHOE PL		0.278	6	1890	360	356	1		2009-2045	\$7920	00
2010-2047	W GREENFIELD AV S 13TH ST	\$ 15TH ST		0.277	8	1884	723	433	2	1 2006 1 2004	2009-2049	\$1590	60
	W MICHIGAN ST N 6TH ST	N 8TH ST		0.275	6	1939	726	398	2		2009-2050	\$1597	20
	W BECHER ST S 25TH ST	S 26TH ST		0.274	8	1900	365	470	1		2009-2051	\$8030	00
2010-2050	E HOWARD AV S HERMAN ST	S CLEMENT AV		0.274	8	1930	365	547	1		2009-2052	\$8030	0
2010-2051	S SUNSET DR S 71ST ST	S MASSACHUSETTS AV		0.273	8	1956	1100	558	3	1 2004	2009-2053	\$24200	00
2010-2052	S PRINCETON AV S 37TH ST	S 37TH ST		0.272	6	1928	1102	532	3	1 2005	2009-2054	\$24244	40
2010-2053	W BOBOLINK AV N 63RD ST	N 65TH ST		0.272	8	1956	736	174			2009-2055	\$18192	20
2010-2054	W JUNEAU AV N 10TH ST (VACATED)	N 11TH ST		0.270	12	1873	370	391	1	1 2002	2009-2057	\$8140	0
2010-2055		W STARK ST		0.270	6	1930	740	206			2009-2056	\$18280	00
2010-2056	W WOOLWORTH AV 745' E/O N 56TH ST	N 56TH ST		0.268	8	1960	745	156	2		2009-2058	\$16390	00
2010-2057	the second second second second second second second second second second second second second second second se	W STARK ST		0.268	6	1030	746	205	2		20 <b>09-20</b> 59	\$16412	20
2010-2058	S FERRY ST E SEEBOTH ST	E PITTSBURGH AV		0.268	6	1873	373	428			2 <b>00</b> 9-2060	\$8206	<b>i</b> 0
2010-2059	W WINNEBAGO ST	N 10TH ST		0.267	12	1938	749	362			2009-2061	\$16478	80
2010-2060	W PIERCE ST S 25TH ST	S 26TH ST		0.267	6	1902	375	425			2009-2062	\$8250	10
2010-2061		E MALVERN PL		0.267	6	1928	375	539	1		2009-2065	\$8250	<del>)0</del>
2010-2062	and the second second second second second second second second second second second second second second second	E STATE ST		0.267	6	1873	375	393			2009-2063	\$8250	ю
2010-2063	W JUNEAU AV N 8TH ST	N 9TH ST (VACATED)		0.267	12	1873	375	391	1	1 2001	2009-2064	\$8250	0
2010-2064		N 7TH ST		0.265	6	1892	755	312	2		2009-2066	\$16610	00
2010-2065		N LAKE DR		0.264	6	1914	758	278		0	2009-2067	\$16676	50

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index No	Location of Project		Water Main Replacement	Breaks per 100 ft	Size	Year Installed	Length	Qtr Sec	No. of	Breaks	Previous Index No.	
2010-2066	W ROOSEVELT DR W MEDFORD AV	N 47TH ST		0.263	8	1929	760	267	2	0 0	2009-2070	\$167200
2010-2067	W LISBON AV N 44TH ST	N 45TH ST		0.263	8	1908	380	347	1	0 0	2009-2069	\$83600
2010-2068		S 10TH ST		0.263	6	1880	380	432	1	1 2001	2009-2068	\$83600
2010-2069	W MCKINLEY AV	N 6TH ST		0.262	30	1873	763	361		1 2004	2009-2072	\$
	W ANDOVER RD PED-WAY	W CLEVELAND AV		0.262	8	1955	763	491			2009-2071	\$167860
	W WALNUT ST (N/S) N DR MARTIN L KING JR DR			0.261	8	1872	765	361	2	1 2004	2009-2073	\$168300
2010-2072		140' S/O W LEON TR		0.261	16	1958	765	188	2		2009-2074	\$168300
2010-2073		W HASSEL LN		0.261	8	1963	1535	138	4	• •	2009-2075	\$337700
2010-2074				0.260	6	1892	385	-282	1	1 2001	2009-2077	\$84700
2010-2075	W STATE ST (N/S) N 12TH ST	N 13TH ST (VACANT)		0.260	8	1931	385	391	1	1 2001	2009-2078	\$84700
2010-2076		E CONWAY ST		0.260	6	1894	385	499			2009-2076	\$84700
2010-2077		W HAMPTON AV		0.258	6	1926	775	229	2		2009-2079	\$170500
2010-2078	W MT VERNON AV N 38TH ST	N 39TH ST		0.256	6	1901	390	402	1	0 0	2009-2082	\$85800
	W HUSTIS ST N 64TH ST	780' W/O N 64TH ST		0.256	8	1962	780	120	2	2 2002	2009-2081	\$171600
2010-2080	N 32ND ST W MICHIGAN ST	W WISCONSIN AV		0.256	6	1886	390	401	1		2009-2083	\$85800
2010-2081	W PORTAGE ST N 38TH ST	N 40TH ST		0.256	8	1960	390	102	1	0 0	2009-2080	\$85800
2010-2082		S DELAWARE AV		0.253	6	1900	395	500			2009-2085	\$86900
2010-2083	W MAPLE ST S KINNICKINNIC AV	S 1ST ST		0.253	6	1958	395	462	1	0 0	2009-2084	\$86900
2010-2084		W FAIRMOUNT AV		0.253	8	1959	791	214	2	1 2005	2009-2086	\$174020
2010-2085		415' N/O W DIXDN ST		0.253	6	1937	396	418	1	0 0	2009-2087	\$67120
2010-2086	W WASHINGTON BL	N 52ND ST		0.252	4	1908	794	367	2	0 0	2009-2089	\$174680
2010-2087	the second of the second second second	W HIGHLAND AV		0.252	6	1887	397	389	1	0 0	2009-2088	\$87340
2010-2088	W GARFIELD AV N 2ND ST	N DR MARTIN L KING JR DR		0.250	8	1882	400	353		1 2004	2009-2091	\$88000
2010-2089	N 35TH ST W PARK HILL AV	W MT VERNON AV		0.250	12	1892	400	401	1	1 2004	2009-2092	\$88000
2010-2090	W PARK HILL AV N 59TH ST	N 60TH ST		0.250	8	1926	400	404	1	0 0	2009-2090	\$88000
2010-2091		W WARNIMONT AV	2010-405	0.250	8	1959	400	557	-		2009-2097	\$88000
2010-2092		S 60TH ST		0.250	12	1952	400	513	1		2009-2096	\$88000
2010-2093		E DEER PL	3	0.250	6	1898	1200	499	3	2 1991	2009-2094	\$264000
2010-2094		580' W/O S WATER ST		0.250	20	1897	400	429	1	1 2001	2009-2095	\$
2010-2095	W CLYBOURN ST (N/S) N 6TH ST	N JAMES LOVEL ST		0.250	6	1958	400	398	1	0 0	2009-2093	Relay to 8" x 6" reducer at E/S of N. 6th St. \$88000
2010-2 <b>096</b>		W CHEYENNE ST		0.246	8	1959	407	123	1	0 0	2009-2098	\$89540
2010-2097				0.240	6	1889	416	319	1	1 2004	2009-2099	\$91520
2010-2098	W HOPE AV N 10TH ST	N GREEN BAY AV		0.239	6	1961	419	243	1	0 0	2009-2100	\$92180

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Index No	Location of Project	· · · · · · · · · · · · · · · · · · ·	Water Main Replacement	Breaks per 100 ft.	Size	Year Installed	Length	Qtr Sec	No. of	Breaks	Previous Index No.	
2010-2099	S 55TH ST W MONTANA ST	W MONTANA ST		0.238	8	1949	420	513	1 2	2001 ) 0	2009-2102	\$92400
2010-2100		W HENRY AV		0.238	12	1966	420	692	1 {		2009-2104	\$92400
2010-2101	W FOND DU LAC AV W LOCUST ST	N 32ND ST		0.238	8	1934	420	309	1	2001	2009-2101	\$92400
2010-2102	S 20TH ST 200' S/O W BECHER ST	W GRANT ST		0.238	6	1906	420	469	1 8		2009-2103	Relay from 8" x 8" reducer south. \$92400
2010-2103	N 86TH ST W JOYCE	W ALLYN ST		0.238	8	1976	841	033	2	2008 2004	2009-2105	\$185020
2010-2104	N 89TH ST W BLUE MOUND RD	W WISCONSIN AV		0.236	6	1953	849	408	2 8		2009-2106	\$188780
2010-2105	W KIMBERLY AV	W HENRY AV		0.235	6	1965	850	689	2 3	2004	2009-2107	\$187000
2010-2106	N 42ND ST W BERNHARD PL	W TOWNSEND ST		0.235	6	1926	426	287	1 2	2004	2009-2108	\$93720
	W TOWNSEND ST N 79TH ST	N 81ST ST		0.234	8	1949	855	292	2 1	2004	2009-2109	\$188100
2010-2108	N NEWHALL ST E WEBSTER PL	E BELLEVIEW PL		0.233	6	1894	430	320	1 6		2009-2112	\$94600
2010-2109		W HIGHLAND AV		0.233	16	1905	430	388	1 1	2001	2009-2111	\$94600
2010-2110	N 78TH ST W THURSTON CR	W CARMEN AV		0.233	6	1959	860	176	2 1	2001	2009-2114	\$189200
2010-2111		430' N/O W CUSTER AV		0.233	6	1961	430	188	1 1	2001	2009-2110	\$94600
2010-2112	W DOUGLAS AV 430' E/O N 60TH ST	N 60TH ST		0.233	8	1961	430	156	1 1	2002	2009-2113	\$94600
2010-2113	W GRANT ST S 20TH ST	W FOREST HOME AV		0.231	6	1895	865	469	2 6	0	2009-2115	 \$190300
2010-2114	W CENTER ST N 32ND ST	N 35TH ST		0.230	12	1929	869	326	2 0	0	2009-2116	 \$191180
2010-2115		E STATE ST		0.230	6	1873	435	393	1 1	2001	2009-2118	 \$95700
2010-2116	W HOWARD AV W VAN BECK AV	S 27TH ST		0.230	8	1958	435	577	1 1	2004	200 <del>9</del> -2117	 \$95700
2010-2117	W ATKINSON AV N 20TH ST	N 22ND ST		0.229	8	1948	675	244	2 8		2009-2119	\$192500
	N 21ST ST W GARFIELD AV	W FOND DU LAC AV		0.227	6	1891	440	350	1 2		2009-2120	\$96800
2010-2119	N JACKSON ST E WELLS ST	E KILBOURN AV		0.227	6	1873	440	393	1 2	0	2009-2122	\$96800
2010-2120	N PALMER ST W BURLEIGH ST	E CONCORDIA AV		0.227	6	1894	1320	282	3 6	0	2009-2121	\$290400
2010-2121	W UNCAS AV S 3RD ST	415' N/O W UNCAS AV		0.227	6	1962	440	687	1 1	2004	2009-2123	\$96800
2010-2122	N 19TH ST W FINN PL	W NASH ST		0.226	6	1913	442	271	1 1	2004	2009-2124	\$97240
2010-2123	N 38TH ST W LISBON AV	W LLOYD ST		0.226	6	1901	885	348	2 1	2004	2009-2125	\$194700
2010-2124	W FAIRY CHASM DR	WANGELA DR		0.225	12	1976	444	005	1 2	2004	2009-2126	\$97680
	N 107TH ST W STARK ST	W FAIRMOUNT AV		0.225	16	1956	890	217	2	2006	2009-2127	\$195800
2010-2126	N HUMBOLDT AV	E CONCORDIA AV		0.224	8	1915	891	280	2 1	2004	2009-2128	\$196020
2010-2127	W ROOSEVELT DR	N NORWOOD PL		0.223	8	1929	895	289	2 6	0	2009-2129	\$196900
2010-2128	W LISBON AV N 87TH ST	N 88TH ST		0.222	8	1928	450	262	1 1	2001	2009-2131	\$99000
2010-2129	N 15TH ST W FIEBRANTZ AV	W OLIVE \$T		0.222	6	1926	900	244	2	2001 1985	2 <b>0</b> 09-2130	\$198000
2010-2130		W CONCORDIA AV	1	0.222	6	1903	900	282	2 6		2 <b>0</b> 09-2132	\$198000
2010-2131	W HADLEY ST N 28TH ST	W FOND DU LAC RD		0.221		18976	453	309	1 8		2009-2133	\$

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Index No	Location of Project		Water Main Replacement	Breaks per 100 ft	Size	Year Installed	Length	Qtr Sec	No. of	Breaks	Previous Index No.		
	W LOCUST ST N61ST ST		replacement	0.221	8	1926	907	305	2	1 2004	2009-2134	· · · · · · · · · · · · · · · · · · ·	\$199540
2010-2133		N 64TH ST		0.220	8	1957	455	525	1	0 0	2009-2137		\$100100
	455' N/O W MORGAN AV W KEEFE AV N 64TH ST	W MORGAN AV		0.220	12	1954	910	265	2	0 0 0 0	2009-2135		\$200200
	N 64TH ST N 86TH ST W VIENNA AV	N 67TH ST		0.220	6	1948	910	262	2	0 0	2009-2136		\$200200
		W MELVINA ST		0.219	12	1931	456	393	1	1 1955 1 2004	2009-2138		\$100320
	N JACKSON ST E WISCONSIN AV	E MASON ST		0.215	8	1927	465	539		0 0	2009-2139		\$102300
2010-2138	S PINE AV E MALVERN PL	E HOLT AV		0.213	12	1929	1400	509	3	0 0	2009-2140		\$308000
	1400' N/O W OKLAHOMA AV	W OKLAHOMA AV					1			0 0			\$205920
	W GRANGE AV 936' E/O S 20TH ST	S 20TH ST		0.214	16	1958	936	643	2	0 0	2009-2141		\$206140
	W MONTROSE AV W SUMAC PL	W SUMAC PL		0.213	8	1949	937	492	_	0 0	2009-2142		
2010-2141	N 15TH ST W FOND DU LAC AV	W BROWN ST		0.213	6	1880	469	351		0 0	2009-2143		\$103180
2010-2142	W FOREST HOME AV (S/S) S 65TH ST	S 68TH ST		0.213	8	1963	1410	572	3	1 2007 1 2004	2009-2144		Valve E/O South 68th Street is a district valve. \$310200
2010-2143	S 3RD ST S CHASE AV	W HARRISON AV		0.213	6	1926	470	498	1	1 2001 0 0	2009-2147		\$103400
2010-2144	W FOREST HOME AV (N/S) W MORGAN AV	S 54TH ST		0.213	8	1953	470	556	1	1 1986	2009-2145		breaks corrected 2003 ksr \$103400
	S 66TH ST W COLD SPRING RD	W BOTTSFORD AV		0.213	12	1964	470	603		1 2001	2009-2146		\$103400
2010-2146		W CLAYTON CREST AV	2010-415	0.212	6	1959	943	644		0 0	2009-2148		\$207460
2010-2147	N HACKETT AV E NEWPORT AV	E EDGEWOOD AV		0.211	6	1914	946	278	2	1 2004	2009-2149		\$208120
2010-2148		W RICHARDSON PL		0.211	6	1885	475	388	1	0 0	2009-2150		\$104500
2010-2149	N 51ST ST W GARFIELD AV	WNORTHAV		0.211	6	1912	475	346		1 2000	2009-2152		\$104500
	W EDGERTON AV S 21ST ST	S 23 RD ST		0.211	12	1957	950	623	2	1 2001	2009-2151		\$209000
	N 6TH ST N DR MARTIN L KING JR DR			0.209	6	1921	959	272	2	1 2004	2009-2153		\$210960
2010-2152		W NORTH AV		0.207	6	1895	483	349	1	0 0	2009-2154		\$106260
2010-2153	N 25TH ST W GARFIELD AV	W NORTH AV		0.206	6	1892	485	350	1	0 0	2009-2155		\$106700
2010-2154		W TRIPOLI AV		0.206	8	1946	972	552	2	0 0	2009-2157		\$213840
2010-2155	W CAPITOL DR	486' W/O N 2ND ST		0.206	8	1964	486	273	1	1 2004 0 0	2009-2156		\$106920
2010-2156	N 19TH ST W FIEBRANTZ AV	W OLIVE ST		0.206	8	1927	973	244		1 2005 0 0	2009-2158		\$214060
2010-2157	N SHERMAN BL W GARFIELD AV	W NORTH AV		0.205	6	1909	488	347		0 0	2009-2159		\$107360
	E BOLIVAR AV S PENNSYLVANIA AV	S RUTLAND AV		0.204	12	1974	980	583		1 2001 0 0	2009-2164		\$215600
	W LOOMIS RD S 35TH ST	WE ROW		0.204	8	1963	1470	575			2009-2160		\$323400
	S LENOX ST E SAVELAND AV	E HOWARD AV		0.204	8	1933	980	547	2	-	2009-2161		\$215600
	W MARION ST N 42ND ST	N SHERMAN BV		0.204	8	1940	490	247	1	· · · ·	2009-2162		\$107800
	N DELTA PL W CALUMET RD	W SPRING LN		0.204	6	1955	490	084	1		2009-2163		\$107800
	N 66TH ST W HAMPTON AV	W POTOMAC AV		0.204	6	1959	491	214	1		2009-2165		\$108020
	N 114TH ST W CARMEN AV	W BOBOLINK AV		0.203	8	1962	492	180	1	-	2009-2166		\$108240
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Index	Location of Project		Water Main	Breaks per	Size	Year	Length	Qtr	No_o	f Breaks	Previous Index No.	
No			Replacement	100 ft;		Installed		Sec				
	W CAPITOL DR N 15TH ST	N 18TH ST		0.203	8	1923	985	244	2	0 0	2009-2168	\$216700
	S TAYLOR AV E MORGAN AV	E WILBUR AV		0.203	6	1929	985	548	2	1 2009 0 0	2009-2167	\$216700
2010-2167	W CORNELL ST N GREEN BAY AV	PEDESTRIAN LANE		0.203	8	1931	987	232	2	1 2006 1 2004	<b>200</b> 9-2169	\$217140
2010-2168	N 4TH ST W JUNEAU AV	W MCKINLEY AV		0.200	30	1965	500	361	1	0 0	2009-2172	\$
2010-2169	N 18TH ST WATKINSON AV	W CAPITOL DR		0.200	8	1924	500	244	1	0 0	2009-2170	\$110000
<b>2</b> 010-2170	W MONROE ST N 24TH ST	N 24TH PL		0.200	6	1894	500	325	1	0 0	2009-2171	\$110000
2010-2171	S ROBINSON AV E BECHER ST	E WARD ST		0.199	8	1951	1005	466	2	1 2006	2009-2174	\$221100
2010-2172	W FOND DU LAC AV (S/S) W ARMITAGE AV	W CONSTANCE AV		0.198	8	1956	1010	226	2	1 2007 1 2001	2009-2175	\$222200
2010-2173	W BOBOLINK AV 490' E/O N 111TH ST	N 111TH ST		0.198	12	1962	505	180	11	0 0	2009-2176	 \$111100
2010-2174	N JOYCE AV N 86TH CT	W GREENBROOK DR		0.197	8	1957	508	152	1		2009-2177	\$111760
2010-2175		W NORTH AV		0.196	6	1906	510	328	1	0 0	2009-2178	\$112200
2010-2176		W MCKINLEY AV		0.195	6	1896	512	389	1		2009-2179	\$112640
2010-2177	W HOPE AV N 36TH ST	N TORONTO ST		0.194	8	1927	515	247	1	0 0	2009-2181	 \$113300
	W LISBON AV N HARTUNG AV	N 68TH ST		0.194	8	1928	1030	305	2		2009-2182	 \$226600
<b>201</b> 0-2179		W NORTH AV		0.194	6	1901	515	327	1		2009-2180	\$113300
<b>201</b> 0-2180	W HOWARD AV (S/S) S 68TH ST	S 69TH ST		0.194	8	1958	516	571	1	-	2009-2183	 \$113520
	W MORGAN AV S 49TH ST	N 50TH PL		0.192	12	1963	520	555	1	-	2009-2185	\$114400
	N 36TH ST W GARFIELD AV	W NORTH AV		0.192	6	1901	520	327	1	0 0	2009-2184	 Relay through North Avenue to dead end. \$114400
2010-2183	W FOND DU LAC AV WASH ST	W CYPRESS ST		0.190	8	1929	527	325	1	1 2004	2009-2186	\$115940
2010-2184		E KILBOURN AV		0.189	12	1930	528	393	1		2009-2187	\$118160
2010-2185	W MILL RD N 91ST ST	N 93RD ST		0.188	16	1960	531	145	1		2009-2188	\$116820
2010-2186	W CANAL ST N EMMBER LN	1072' E/O N EMMBER LN		0.187	12	1919	1072	399	2	0 0	2009-2189	 \$235840
-	W CAPITOL DR (S/S) N 18TH ST	W ATKINSON AV		0.185	8	1923	540	271	1	0 0	2009-2190	 \$118800
2010-2188	N 12TH ST W KILBOURN AV	W STATE ST		0.182	8	1931	550	391	1	1 2004	2009-2191	\$121000
2010-2189		W MAPLEWOOD CT		0.182	8	1959	1100	642	2	1 2001	2009-2192	\$242000
2010-2190		W CHERRY ST		0.181	6	1890	553	365	1		2009-2193	\$121660
2010-2191		W LISBON AV		0.176	6	1911	567	365	1	<u> </u>	2009-2194	\$124740
2010-2192		E LOCUST ST		0.175	6	1894	570	317	1		2 <b>00</b> 9-2195	\$125400
2010-2193		W SHERIDAN AV		0.175	8	1960	571	187	1	<u> </u>	2009-2197	\$125620
2010-2194		S SHORE DR		0.175	6	1916	571	502	1	· ·	2009-2196	\$125620
2010-2195		W GLENBROOK RD		0.175	12	1976	572	005	1		2009-2198	\$125840
2010-2196		N JOYCE AV		0.174	8	1978	575	005	1		2009-2199	\$126500
2010-2197		W SILVER SPRING DR		0.174	6	1924	575	193	1	0 0	2009-2200	\$126500
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2010-2198	S 20TH ST W KLEIN AV	W BIRCHWOOD AV		0.174	16	1957	575	670	1 0	2009-2201	\$12650	0
2010-2199	S CESAR E CHAVEZ DR WORCHARD ST	W LAPHAM ST		0.173	12	1888	579	460	1 1 200	4 2009-220 <b>2</b>	\$12738	30
2010-2200	W APPLETON AV (E/S) W CAPITOL DR	W PERKINS PL		0.172	16	1956	580	251	1 0	2009-2203	\$12760	90
2010-2201	S 117TH ST W VAN BECK AV	W WATERFORD AV		0.172	8	1978	580	566		2009-2204	\$12760	90
2010-2202	N 26TH ST W MELVINA ST	W CAPITOL DR		0.171	6	1925	585	270		2009-2205	\$ 12870	90
2010-2203	W FOND DU LAC AV (S/S) W MELVINA ST	W CAPITOL DR		0.169	8	1928	590	267	1 0	2009-2 <b>20</b> 6	\$12980	0
2010-2204	N 5TH ST W VIENNA AV	WABERT PL		0.168	6	1914	594	273	1 0	0 <b>2009-</b> 2207	\$13068	
2010-2205	S 43RD ST W WILLOW WAY	W TRIPOLI AV		0.167	16	1957	1195	554	2 0	0 2 <b>009-2208</b>	\$26290	
2010-2206	W BOTTSFORD AV S 52ND ST	580' E/O S HONEY CREEK DR	_	0.167	8	1963	600	602		0 2009-2209 0	Relay to 1997 m \$132000	)
2010-2207	S 34TH ST W MORGAN AV	W ST FRANCIS AV		0.164	6	1958	609	553	1 1 200	4 2009-2210 0	\$13398	
2010-2208	N 100TH ST W MARION ST	W CONGRESS ST		0.164	12	1954	610	254	1 1 200 0	t 2009-2211 0	\$13420	
2010-2209	N 76TH ST 1089' N/O W BROWN DEER	1690" N/O W BROWN DEER		0.164	16	1969	610	032	1 1 200 0	4 2009-2212 0	\$13420	00
2010-2210	RD N 74TH ST W MELVINA ST	W CAPITOL DR		0.163	6	1954	612	264	1 1 200	4 2009-2213	\$13464	40
2010-2211		W BURLEIGH ST		0.162	8	1946	618	302	1 1 200	4 2009-2214	\$13596	50
2010-2212		W CLOVERNOOK ST		0.161	8	1963	620	144	1 1 200	12009-2217	\$13640	00
2010-2213	N 14TH ST WHAUSER AV	W CONGRESS ST		0.161	6	1928	620	244	1 1 200 0	1 2009-2215	\$13640	00
	W GRANTOSA DR (S/S) N 69TH ST	W TALLMADGE PL		0.161	8	1953	620	188	1 1 197 0	6 2009-2216	\$13640	00
2010-2215	W CHAMBERS ST N 39TH ST	N 41ST ST		0.161	6	1916	623	308	1 1 200 0	4 2009-2218 0	\$13706	50
2010-2216	S 60TH ST W BOTTSFORD AV	600' S/O W BOTTSFORD AV		0.160	8	1965	625	603		0 2009-2221 0	\$13750	00
2010-2217	N 83RD ST W CONCORDIA AV	W LISBON AV		0.160	6	1939	625	292	1 1 200 0	4 2009-2223 0	\$13750	
2010-2218	N 19TH ST W CLARKE ST	W CENTER ST		0.160	6	1892	625	311		02009-2219 0	\$13750	00
2010-2219	N HOLTON ST E TOWNSEND ST	E KEEFE AV		0.160	6	1902	625	281	1 1 200 0	1 2009-2220 0	\$13750	00
2010-2220	S 26TH ST WEUCLID AV	W OHIO AV		0.160	6	1928	625	534	1 1 200 0	0 2009- <b>2</b> 222	\$13750	
2010-2221	N 83RD ST W CAPITOL DR	W FIEBRANTZ AV		0.159	8	1956	629	252	1 0	0 2009-2224 0	\$1383	
2010-2222	S 27TH ST W LINCOLN AV	W HAYES AV		0.159	8	1896	629	495	1 0	0 2009-2225	\$1383	
2010-2223	S 12TH ST W MONTANA ST	W DAKOTA ST		0.159	12	1917	630	507	1 1 200 0	2 2009-22 <b>28</b>	\$1386	
2010-2224	N 33RD ST W ROHR AV	W CUSTER AV		0.159	8	1963	630	193	. 0	02009-2226	\$13860	
2010-2225	W LAYTON AV \$72ND ST	S 76TH ST		0.159	8	1966	1260	605	0	4 <b>200</b> 9-2227	\$27720	
2010-2226	W CRAWFORD AV	W HOWARD AV		0.158	6	1928	634	551	0	4 2 <b>009</b> -2 <b>2</b> 29	\$1394	
2010-2227	N DR MARTIN L KING JR DR	N 7TH ST		0.157	8	1927	635	551	0	1 2009-2230	\$13970	
2010-2228	W CRAWFORD AV	W HOWARD AV		0.157	6	1928	635	551	0	0 2009-2231 0	Relay past reduced 15' of 8" pipe.	\$139700
2010-2229	W LAYTON AV S 22ND ST	S 23RD ST		0.157	16	1956	638	598	1 0	0 2009-2232 0	\$14030	50





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2010-2230	N 91ST ST W CUSTER AV	W SILVER SPRING DR		0.156	16	1958	1279	185	2	1 2004	2009-2233		\$281380
2010-2231		W LAPHAM ST (EXT'D)		0.156	16	1896	640	462	1	1 200	2009-2237		\$140800
2010-2232	W COLD SPRING RD (N/S) S 94TH ST	S 96TH ST		0.156	16	1967	640	568	1	0 (	2009-2235		\$140800
	S 87TH ST W MORGAN AV	W WARNIMONT AV		0.156	8	1957	640	560	1	1 2002	2009-2236		\$140800
	N 60TH ST W KEEFE AV	W NASH ST		0.156	12	1930	640	266	1	1 2001	2009-2234		\$140800
2010-2235	E BOLIVAR AV S PENNSYLVANIA AV	S DELAWARE AV		0.156	12	1955	640	583	1	0 0	2009-2238		\$140800
2010-2236	W MILL RD N 47TH ST	N 49TH ST		0.155	8	1960	644	138	1	0 0	2009-2239		\$141680
2010-2237	N 33RD ST W CLARKE ST	W CENTER ST		0.155	6	1899	645	326		• •	2009-2240		\$141900
2010-2238	E NEWBERRY BL N STOWELL AV	N HACKETT AV		0.155	4	1909	647	316		-	2009-2242		\$142340
2010-2239	N 58TH ST W VINE ST	W LLOYD ST		0.155	6	1914	647	346	1	· ·	2009-2241		\$142340
2010-2240	W SILVER SPRING DR	N 91ST ST		0.154	16	1958	1297	177	2		2009-2243		\$285340
2010-2241	N 56TH ST W KEEFE AV	W NASH ST		0.154	6	1930	650	266			2009-2244		\$143000
2010-2242	N 17TH ST W NORTH AV	W MEINECKE AV		0.154	6	1890	650	324			2009-2246		\$143000
2010-2243	N 41ST ST W SHERIDAN AV	W SILVER SPRING DR		0.154	6	1920	650	192	1		2009-2245		\$143000
2010-2244	W FAIRMOUNT AV	N 63RD ST	· · · · · ·	0.154	8	1951	650	211	1	1 2009			\$
	W CAMERON AV N 31ST ST	N 33RD ST		0.153	6	1903	652	207	1	<u> </u>	200 <b>9</b> -2247		\$143440
2010-2246	W ADLER ST S 61ST ST	S 63RD ST		0.153	16	1927	652	420	1		2009-2248		\$143440
2010-2247	N 89TH ST WCENTER ST	W HADLEY ST		0.153	6 .	1931	653	302	1	-	2009-2249		\$143660
2010-2248	S 38TH ST W MANITOBA ST	W OKLAHOMA AV		0.153	6	1928	655	511	1		2009-2250		\$144100
2010-2249	N SHERMAN BL W CENTER ST	W HADLEY ST		0.153	12	1921	655	307	1		2009-2252		\$144100
2010-2250	W LISBON AV (S/S) N 49TH ST	180' NW/O N 50TH ST		0.153	8	1927	655	328	1	· ·	2009-2251		MAIN (AS SHOWN) IN BACK
2010-2251	S 27TH ST W LINCOLN AV	W HAYES AV		0.152	16	1934	657	494	1		2009-2253		OF ROW WITH NO W.E. \$144540
2010-2252	N PIERCE ST	E WRIGHT ST		0.152	6	1890	657	321		<u> </u>	2009-2254		\$144540
2010-2253		WRUBY		0.152	6	1926	657	231	1		2009-2255		\$144540
2010-2254	N 36TH ST	658" N/O W THURSTON AV		0.152	8	1949	658	171		<u> </u>	2009-2257		\$144760
2010-2255	N BUFFUM ST	E CHAMBERS ST		0.152	8	1894	658	314	1	1 2004	2009-2256		\$144760
2010-2256	N 52ND ST	W VIENNA AV		0.152	6	1930	659	266	1		2009-2258	1	\$144980
2010-2257	S 13TH ST	W HOLT AV		0.152	8	1924	660	536	1	• •	<b>200</b> 9-2261		\$145200
2010-2258	S NEW YORK AV	E HOLT AV		0.152	6	1924	660	541	1		2009-2265		\$145200
2010-2259				0.152	8	1947	660	322	1		2009-2264		\$145200
2010-2260	N 92ND ST (E/S)	W NASH ST		0.152	8	1928	660	262	1	• •	2009-2260		\$145200
2010-2261	S 27TH ST	W CARPENTER AV		0.152	12	1957	660	623	1	v v	2009-2259		\$145200
2010-2262	S LAYTON BL (W/S)	W GRANT ST		0.152	16	1934	660	471	1	0 0	2009-2262		\$145200
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2010-2263	N 35TH ST W BURLEIGH ST	W AUER AV		0.152	12	1904	660	286	1	0	2009-2263	\$145200
2010-2264		W HADLEY ST		0.152	16	1959	660	313	1	1 200	2009-2266	\$145200
2010-2265		W OHIO AV		0.151	6	1924	661	536	1	0	2009-2268	\$145420
2010-2266	S LAYTON BL W ROGERS ST	W BECHER ST		0.151	16	1934	661	471	1	1 200	2009-2289	\$145420
2010-2267		W EUCLID AV		0.151	6	1928	661	534	1	0	2009-2287	\$145420
2010-2268		W SHERIDAN AV		0.151	6	1919	662	192	1	0	2009-2270	\$145640
2010-2269		W RUBY AV		0.151	8	1955	662	225	1	0	2009-2272	\$145640
2010-2270	N 60TH ST W NASH ST	W VIENNA AV		0.151	12	1930	662	265	1	0	2009-2271	\$145640
2010-2271	S 69TH ST W CLEVELAND AV	W MONTANA ST		0.151	6	1951	663	515	1	0	2009-2273	\$145860
2010-2272	the second second second second second second second second second second second second second second second s	W GRANT ST		0.151	12	1925	664	472	1	0	2009-2274	\$146080
2010-2273	W MCKINLEY AV S 38TH ST	S 40TH ST		0.151	8	1910	664	366	1	1 200	2009-2275	\$146080
2010-2274		W CLARKE ST		0.150	6	1916	665	327	1	0	2009-2276	\$146300
2010-2275		W OHIO AV		0.150	8	1924	665	536	÷	-	2 2009-2277	\$146300
2010-2276		W OHIO AV		0.150	8	1926	665	535	1	1 200	2009-2279	\$148300
2010-2277		E OHIO AV		0.150	8	1925	665	539	1	0	2009-2280	\$146300
2010-2278		W WILBUR AV		0.150	8	1957	1330	560	2	2 200 0	2009-2278	\$292600
2010-2279	N 39TH ST WCUSTER AV	W SHERIDAN AV		0.150	6	1924	667	192	1	1 200	2009-2281	\$146740
2010-2280		W HOLT AV		0.150	6	1924	667	535	1	1 200 0	4 2009-2282	\$146740
2010-2281	N 21ST ST W CHAMBERS ST	W BURLEIGH ST		0.149	8	1905	669	310	1	1 200 0	4 2009-2283	\$147180
	W CAPITOL DR (N/S) N 29TH ST	N 31ST ST		0.149	12	1929	670	246	1	0	2009-2287	\$147400
1	N 83RD ST WLOCUST ST	W CHAMBERS ST		0.149	6	1928	670	303	1	0	2009-2288	\$147400
	N HOLTON ST E CLARKE ST	E CENTER ST		0.149	16	1938	670	321	1	1 200	2 2009-2286	\$147400
	N 28TH ST W CHAMBERS ST	W BURLEIGH ST		0.149	6	1906	670	285	1	0	2009-2285	\$147400
2010-2286		76' S/O W WILBUR AV		0.149	16	1957	670	559	1	1 200	2009-2284	\$147400
2010-2287	W HADLEY ST N 78TH ST	N 80TH ST		0.149	8	1928	671	303	1	0	2009-2289	\$147620
2010-2288		W HEMLOCK ST		0.149	8	1962	673	104	1	0	2009-2290	\$148060
2010-2289		W HADLEY ST		0.149	12	1950	673	309	1	1 200 0	4 2009-2291	\$148060
2010-2290	N 26TH ST WHADLEY ST	W LOCUST ST		0.148	6	1906	674		1	1 200 0	4 2009-2292	\$148280
2010-2291		W LOCUST ST		0.148	6	1900	675	310	1	0	0 2009-2293	Relay to 8"x6" reducer at Wes1 Locust Street. \$148500
2010-2292		WAUERAV		0.148	6	1926	675	287	1	1 200 0	1 2009-2295	\$148500
2010-2293		W WRIGHT ST	1	0.148	6	1907	675	327	1	0	2009-2294	\$148500
2010-2294	W 37TH ST W GRANT ST	W BECHER ST		0.148	6	1926	675	472	1	0	2009-2296	\$148500
2010-2295	S 6TH ST WLAYTON AV	600' S/O W LAYTON AV		0.147	16	1982	680	625	1	0	2009-2298	\$149600

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2010-2296	S 70TH ST W HARRISON AV	W CLEVELAND AV		0.147	6	1950	680	489	1	1 2 1 2	02 2009-2299		\$149600
2010-2297	E MENOMONEE ST N JACKSON ST	N MILWAUKEE ST		0.147	6	1912	680	429	1	1 2	04 2009-2297		\$149600
2010-2298		W HAMPTON AV		0.147	8	1924	682	230	1	1 2	04 2009-2300		\$150040
2010-2299		250' S/O W NORWICH		0.145	4	1976	688	567	1	0	0 2009-2301		\$151360
2010-2300		W LOCUST ST		0.145	8	1926	689	304	1	0	0 2009-2302		\$151580
2010-2301	N TEUTONIA AV W CENTER ST	W HADLEY ST		0.145	6	1888	690	311	1	1 2 0	01 2009-2304		\$151800
2010-2302	N 91ST ST (W/S) W MILL RD	610' N/O W MILL RD		0.145	8	1964	690	144	1	0 0	0 2009-2303		Relay to cross In W. Mill Road. \$151800
2010-2303	S 27TH ST W MORGAN AV	W LOOMIS RD		0.144	12	1957	694	553	1	0	0 2009-2305	i l	\$152680
2010-2304	S 49TH ST W BOTTSFORD AV	W COLD SPRING RD		0.143	8	1965	700	601	1	1 2 0	01 2009-2306	i	\$154000
2010-2305	W MONTANA ST (PED-WAY) S 50TH ST	S 52ND ST		0.143	8	1950	700	512	1	0	0 2009-2307		\$154000
2010-2306	N PULASKI ST E HAMILTON ST	E KANE PL		0.142	8	1978	705	355	1	0	0 2009-2308		\$155100
2010-2307	W FOREST HOME AV (S/S) S 54TH ST	S 58TH ST		0.141	12	1953	1415	556	2	1 1 1 1	96 2009-2309		breaks corrected in 2003 ksr \$311300
2010-2308	S ADAMS AV E HOLT AV	E MORGAN AV		0.140	6	1927	716	538	1	0	0 2009-2310		\$157520
<b>2010-230</b> 9	S PEARL ST S CESAR E CHAVEZ DR	W ARROW ST		0.139	6	1899	717	460	1	1 2 0	04 2009-2311		\$157740
<b>2010-231</b> 0	N 45TH ST WILLOYD ST	W LISBON AV		0.139	6	1906	720	347	1	0	0 2009-2312		\$158400
2010-2311	S 47TH ST W CLEVELAND AV	W MONTANA ST		0.139	8	1928	720	492	1	0	0 2009-2313		Include 35' of 6" north of cross in intersection to dead end In
2010-2312	N 44TH ST W CONCORDIA AV	W TOWNSEND ST		0.139	6	1926	720	288	1	1 2 0	01 2009-2314		\$158400
2010-2313	S 71ST ST S HONEY CREEK DR	W VERONA CT		0.139	8	1953	720	528	1	1 2 0	01 2009-2315		\$158400
2010-2314		E HARTFORD AV		0.138	6	1895	724	278	1	1 2 0	04 2009-2316	3	\$159280
2010-2315	E OKLAHOMA AV S NEVADA ST	S BRUST AV		0.137	12	1917	728	504	1	0	0 2009-2317	2	\$160160
2010-2316	N HOLTON ST E GLOVER AV	E LLOYD ST		0.137	6	1885	730	354	1	1 2 0	01 2009-2319		\$160600
2010-2317	S 18TH ST W SCOTT ST	W GREENFIELD AV		0.137	6	1888	730	433	1	0 0	0 2009-2318		\$160600
2010-2318	N 24TH PL WHOPE AV	W ATKINSON AV		0.136	6	1936	735	245	1	0	0 2009-2320		\$161700
2010-2319		W VILLARD AV		0.135	6	1918	739	208	1	1 2 0	04 2009-2321		\$162580
2010-2320	N 20TH ST (W/S) W HAMPTON AV	W STARK ST		0.133	12	1930	750	206	1	0	0 2009-2322		\$165000
2010-2321	W TOWNSEND ST N 23TH ST	N 24TH PL		0.132	6	1921	755	285	1	1 2 0	04 2009-2323		\$166100
	W VOGEL AV S 14TH ST	S 16TH ST		0.132	6	1956	756	624	1	0	0 2009-2324		\$166320
2010-2323	S 68TH ST WEUCLID AV	W OHIO AV		0.132	12	1952	760	529	1	1 2 0	01 2009-2325	5	\$167200
2010-2324	W BECKETT AV W SHERIDAN AV	W BIRCH AV		0.131	8	1960	761	185	1	1 2 0	04 2009-2326		\$167420
2010-2325	W SILVER SPRING DR N 62ST ST	N 64TH ST		0.131	6	1951	762	189	1	1 2 0	004 2009-2327	1	\$167640
2010-2326	S PENNSYLVANIA AV E FERNWOOD CI	E OHIO AV		0.131	6	1924	763	540	1	0 0	0 2009-2328		\$167860
2010-2327		W KILEY AV		0.130	8	1959	769	123	1	1 2 0	004 2009-2329		\$169180
2010-2328	W ROOSEVELT DR (N/S) N 37TH ST	N 39TH ST		0.130	8	1926	772	268	1	1 2 0	04 2009-2330		\$169840

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2010-2329	S FULTON ST E IRON ST	S KINNICKINNIC AV		0.129	8	1927	774	504	1	0 0	2009-2331	\$170280
2010-2330		W BARNARD AV		0.129	12	1966	775	622	1	0 0	2009-2334	\$170500
2010-2331	W WATERFORD AV 755' E/O S 80TH ST	S BOTH ST		0.129	8	1969	775	570	1	0 0	2009-2333	\$170500
2010-2332	N 71ST ST WHADLEY ST	W LOCUST ST		0.129	6	1928	775	304	1	1 2004 0 0	2009-2332	\$170500
2010-2333		W HEATHER AV		0.128	12	1977	780	043	1	1 2004 0 0	2009-2335	\$171600
2010-2334	\$ 27TH ST 600" N/O W LAYTON AV	W LAYTON AV		0.127	8	1965	785	599	1	0 0	2009-2336	\$172700
2010-2336	N HUMBOLDT AV E TOWNSEND ST	E KEEFE AV		0.127	8	1894	785	280	1	1 2001 0 0	2009-2337	\$172700
2010-2336	W KEEFE AV N 82ND ST	N 94TH ST		0.127	12	1928	787	261	1	0 0	2009-2338	\$173140
2010-2337	N 40TH ST 750' S/O W FLDRIST AV	W FLORIST AV		0.127	6	1948	790	158	1	0 0	2009-2339	\$173800
2010-2338		W COURTLAND AV		0.126	6	1930	796	232	1	1 2004 0 0	2009-2340	\$175120
2010-2339	N 66TH ST W LANCASTER AV	W VILLARD AV		0.125	6	1955	800	211	1	1 1975 0 0	2009-2341	\$176000
2010-2340	S 22ND ST W PLAINFIELD AV	W BOLIVAR AV		0.124	8	1956	805	577	1	0 0	2009-2342	\$177100
2010-2341	W MCKINLEY AV N 54TH ST	N 57TH ST		0.124	8	1928	807	368	1	1 2004 0 0	2009-2343	\$177540
2010-2342	N 92ND ST W GLENDALE AV	820' N/O W GLENDALE AV		0.121	16	1957	826	223	1	0 0	2009-2344	\$181720
2010-2343	N JACKSON ST E PLEASANT ST	N WATER ST		0.120	6	1878	832	360	1	0 0	2009-2345	\$183040
2010-2344	W IONA TR S 14TH ST	S 15TH PL		0.120	6	1961	835	670	1	0 0	2009-2346	\$183700
2010-2345	E AUER AV NACHILLES ST	N 2ND ST		0.119	6	1911	840	282	1	1 2004	2009-2347	\$184800
2010-2346	W FOND DU LAC AV N 18TH ST	N 20TH ST		0.119	8	1878	841	351	1	0 0	2009-2348	\$185020
2010-2347	W SPOKANE ST N 61ST ST	N 64TH ST		0.116	8	1962	860	120	1	1 2004 0 0	2009-2349	\$189200
2010-2348	N 107TH ST WAPPLETON AV	W LYNX AV		0.115	16	1966	866	149	1	1 2004 0 0	2009-2350	\$190520
2010-2349	S 54TH ST W STACK DR	W OKLAHOMA AV		0.115	8	1951	870	513	1	1 2001 0 0	2009-2351	\$191400
2010-2350	N MARYLAND AV E NEWPORT AV	E EDGEWOOD AV		0.113	8	1921	885	279	1	0 0	2009-2352	\$194700
2010-2351	W WARNIMONT AV S 81ST ST	S 63RD ST	2010-406	0.111	8	1959	897	557	1	0 0	2009-2353	\$197340
	W PALMETTO AV W BUTLER PL	N 87TH ST		0.111	8	1957	898	223	1	0 0	2009-2354	\$197560
2010-2353	W MILL RD (S/S) N 87TH ST	N 89TH ST		0.111	8	1962	900	152	1	1 2001 0 0	2009-2356	\$198000
	W CORNELL ST 330' EO W LAWRENCE AV	940' E/O W LAWRENCE AV		0.111	8	1946	900	232	1	1 2001 0 6	2009-2355	\$198000
2010-2355	N SWAN RD W HAMPTON AV	N 91ST ST		0.110	16	1958	905	215	1	0 0	2009-2357	\$199100
2010-2356	N 92ND ST W KEEFE AV	W LISBON AV		0.110	8	1928	908	262	1	1 2004 0 0	2009-2358	\$199760
2010-2357	\$ 76TH ST W STEVENSON ST	W DIXON ST		0.110	12	1931	913	418	1	0 0	2009-2359	\$200860
2010-2368	W MILL RD N 87TH ST	N 89TH ST		0.109	16	1958	920	143	1	1 2004 0 (	2009-2360	\$202400
2010-2359	W LOOMIS RD S 33RD ST	W HOWARD AV		0.108	8	1963	930	553	1	0 0	2009-2362	\$204600
	W WOOLWORTH AV	930' W/O N 5TH ST		0.108	8	1976	930	156	1	1 2001 0 0	2009-2361	\$204600
2010-2361	N 46TH ST WILLOYD ST	W LISBON AV		0.106	6	1906	940	347	1	1 2001 0 (	2009-2363	\$206800

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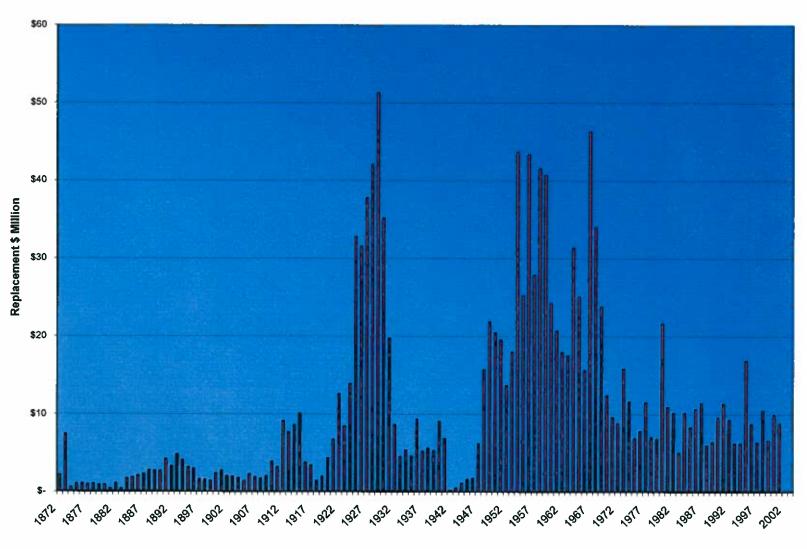


File No.: C-28-23 Program Status as of 2/3/2010

Index No	Location of Project		Water Main Replacement	Breaks per 100 ft.	Size	Year Installed	Length	Qtr Sec	No. o	of Breaks	Previous Index No.	
<b>2010-236</b> 2	S 76TH ST W LAYTON AV	W BARNARD AV (SOUTH)		0.106	8	1967	945	617	1	0 0	2009-2364	Relay to 16" x 8" reducer_ \$207900
2010-2363	S HOWELL AV W UNCAS AV	E COLLEGE AV		0.105	8	1964	952	686	1	1 2004 0 0	2009-2365	\$209440
2010-2364	W CANAL ST N 6TH ST	968' W/O N 6TH ST		0.103	12	1913	968	398	1	0 0	2009-2366	\$212960
2010-2365	W LAKEFIELD DR (S/S) W PAINE ST	S 33RD ST		0.102	8	1931	980	533	1	1 2001 0 0	2009-2367	\$215600
2010-2366	W GREEN TREE RD N 46TH ST	N 50TH ST		0.102	16	1958	982	138	1	1 2004 0 0	2009-2368	\$216040
2010-2367	W CRAWFORD AV S 86TH ST	S 89TH ST	2010-005	0.102	8	1957	984	559	1	1 2004 0 0	2009-2369	\$216480
2010-2368	W FOND DU LAC AV (N/S) W NORTH AV	W OAK ST		0.102	12	1888	985	325	1	1 2001	2009-2370	\$216700
2010-2369	S 71ST ST W VAN BECK AV	W WATERFORD AV		0.101	8	1978	988	571	1	0 0	2009-2371	\$217360
2010-2370	E THOMAS AV N OAKLAND AV	N FARWELL AV		0.101	8	1903	990	319	1	0 0	2009-2372	\$217800
2010-2371	N 15TH ST W VLIET ST	W GALENA ST		0.100	6	1887	997	363	1	0 0	2009-2373	\$219340
2010-2372	N 17TH ST W CONCORDIA AV	W KEEFE AV		0.100	6	1916	1000	284	1	1 2004 0 0	2009-2374	\$220000
2010-2373	E GREENFIELD AV S BARCLAY ST	1000' E/O S BARCLAY ST		0.099	8	1906	1007	463	1	1 2004 0 0	2009-2375	\$221540
2010-2374	S 23RD ST W DENIS AV	W PARNELL AV		0.099	8	1965	1010	669	1	0 0	2009-2376	\$222200
2010-2375	N 87TH ST W THURSTON AV	W MEDFORD AV		0.099	8	1960	1015	177	1	0 0	2009-2377	\$223300
2010-2376	E HIGHLAND AV N WATER ST	N MILWAUKEE ST		0.098	12	1908	1016	392	1	0 0	2009-2376	\$223520
2010-2377	S 26TH ST W CARPENTER AV	W VOGEL AV		0.098	6	1960	1022	623	1	0 0	2009-2379	\$224840
2010-2378	S 27TH ST W LOOMIS RD	1030' S/O W LOOMIS RD		0.095	8	1957	1050	552	1	1 2004 0 0	2009-2380	Relay from Loomis to 2nd hydrant south. \$231000
2010-2379	N 86TH ST W GOOD HOPE RD	W HEMLOCK ST		0.079	8	1978	1267	108	1	1 2004	2009-2381	\$278740
2010-2380	N 61ST ST W FAIRMOUNT AV	W VILLARD AV		0.074	8	1951	1346	211	1	1 2004 0 0	2009-2382	\$296120
2010-2381	S AUSTIN ST E BOLIVAR AV	E VAN NORMAN AV		0.073	8	1975	1363	581	1	1 2004 0 0	2009-2383	\$299860
2010-2382	W BOTTSFORD AV S 27TH ST	S 31ST ST		0.071	8	1965	1410	599	1	0 0	2009-2384	\$310200

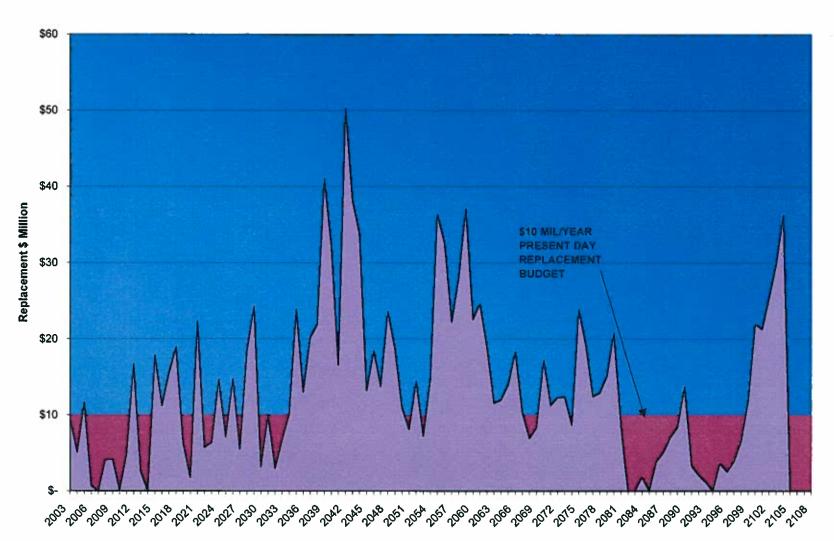


## (FIGURE 1) REPLACEMENT DOLLARS PER YEAR INSTALLED



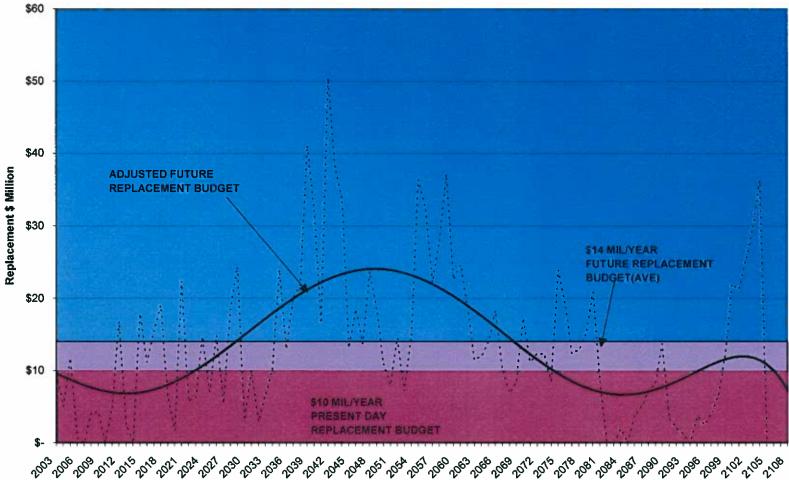


## (FIGURE 2) FUTURE WATER MAIN REPLACEMENT DOLLARS



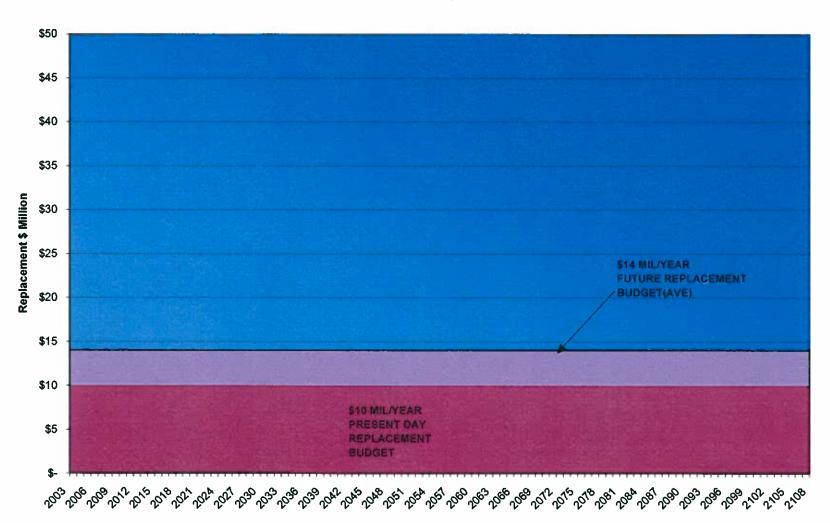


## (FIGURE 3) FUTURE WATER MAIN REPLACEMENT DOLLARS (BEST-FIT)





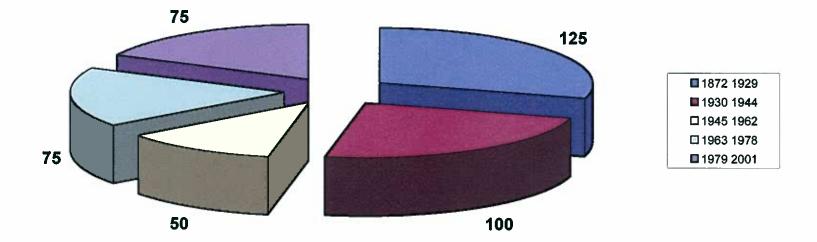
## (FIGURE 4) FUTURE WATER MAIN REPLACEMENT DOLLARS (AVERAGED)





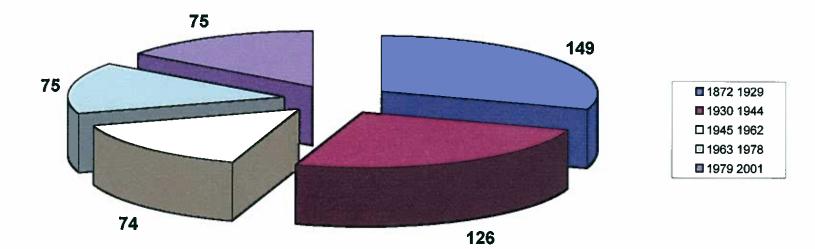
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(FIGURE 5) Initial Life Expectancy Assumptions





## (FIGURE 6) Adjusted Average Life Expectancy Assumptions



$\left( \begin{array}{c} \end{array} \right)$		C
		CONTACTS Steve Allbee, EPA, Project Director "Gap Analysis" Joe Gehin Wausau Water Utility Kevin Young Australia Water Hisa Speranza CH2M Hill, New Orleans
		Deleted: 1

# Replacement Program

**On What Basis are Mains Selected for Replacement?** 

- Ranking on Main Break Index
- Water Quality Concerns
- Hydraulic Characteristics
- Coordinate with Paving Projects
- Coordinate with Construction Projects



# Water Main Experience Index

Database Listing "Segments" of Water Mains

 Each "Segment" is ranked based on the Number of Breaks per 100 ft of the segment

 Rank #1 has the most breaks per 100 feet, Rank #1550 has the least

 Mains are selected for replacement, in order, until capital dollars for the year are fully utilized

 As mains are replaced, they are removed from the list and new "Segments" are added



# Water Main Experience Index

There are over 17,000 (est.) water main segments in the MWW system of which 1,550 segments are specifically monitored.

Segments are identified by pipe characteristics Material

Cast Iron – Ductile Iron

Lengths

May vary from 50' to 1000'

Size of Main

