



**CAPITAL**

**IMPROVEMENT**

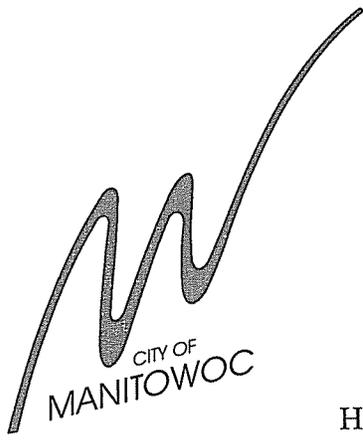
**PLAN**

**2012 – 2016**

**CITY OF MANITOWOC  
CAPITAL IMPROVEMENT PLAN  
2012 – 2016**

**TABLE OF CONTENTS**

1 – 2	Finance Director’s Letter of Transmittal
3	List of Principal Officials
4 – 11	Summary of Projects – Governmental Funds
12 – 17	Street Improvements with pictures
18 – 20	Other Public Works
21 – 23	Storm Sewer Improvements
24 – 25	Stormwater Management Program
26 – 27	Tax Increment Financing (T.I.F.)
28 – 29	Harbors and Docks
30 – 32	Environmental Remediation
33 – 36	Buildings and Grounds /Parks with pictures
37 – 40	Buildings and Grounds / Other
41 – 47	Machinery and Equipment
48	Summary of Projects – Proprietary Funds
49 – 53	Wastewater Treatment Facility/Sanitary Sewer Replacement
54 – 56	Transit System



November 19, 2012

Honorable Mayor Justin M. Nickels  
Manitowoc Common Council

Submitted herewith is the proposed Capital Improvement Plan for the years 2012-2016.

The plan includes detail of all capital expenditures, prioritized by the Capital Allocation Working Group (CAWG) being considered by the City of Manitowoc. The CAWG is an internal group of department heads and managers charged with prioritizing projects in an effort to align them with available funding. Also included is a breakdown of the sources to provide funding for these expenditures.

Some of the major projects included in the governmental funds plan are:

1. Engineering Waldo Boulevard Reconstruction
2. Red Arrow Park Improvements
3. Viebahn Street Tower Replacement
4. Replacement of one (1) Rescue Squad
5. Citywide slab replacement program
6. Dewey Street Stormwater Wet Pond
7. Sidewalk Replacement Project
8. Lincoln Park and the Zoo Improvements
9. Buildings and Grounds Repairs and Improvements
10. Departmental Machinery/Equipment Replacement

Governmental fund expenditures recommended in the Five-Year Plan total \$21,510,060. These costs reflect the City's local share. Uses by project type from 2012-2016 are as follows:

Street Improvements	\$8,612,666
Storm Sewer Improvements	\$1,117,600
Stormwater Management Pgm	\$2,068,181
Harbors and Docks	\$950,000
Environmental Remediation	\$457,000
Buildings and Grounds	\$2,928,413
Machinery and Equipment	<u>\$5,376,200</u>
	<u>\$21,510,060</u>



The plan includes various sources to provide funding for the proposed governmental fund expenditures. A breakdown of these sources is below:

Tax Levy/Capital Projects Fund	\$131,663
Bond Proceeds	\$18,810,725
Other Income	\$2,267,672
Capital Project Fund Reserves	<u>\$300,000</u>
	<u>\$21,510,060</u>

In addition to the governmental funds, the plan includes anticipated projects in the City's proprietary funds. The following projects are included:

Wastewater Facility Equipment	\$507,500
Sanitary Sewer Replacement	\$3,722,100
Transit System	<u>\$1,933,600</u>
	<u>\$6,163,200</u>

Funding for projects in the proprietary funds is below:

Tax Levy/Capital Projects Fund	\$1,933,600
Bond Proceeds	\$3,722,100
Other Income	<u>\$507,500</u>
	<u>\$6,163,200</u>

In summary, the 2012-2016 Capital Improvement Plan provides the City with a clear vision of known capital needs and a means to finance them. This will serve to assist the City in prioritizing these needs along with future projects as they arise.

The cooperation of all City Departments involved in the preparation of this document is appreciated.

Respectfully submitted,



Steve Corbeille  
Finance Director/Treasurer

**CITY OF MANITOWOC, WISCONSIN**  
 List of Principal Officials  
 2012

**Mayor** Justin M. Nickels

**Common Council**  
 President Jason Sladky

**Aldermanic District**

1	Collin Braunel
2	Scott R. McMeans
3	Christopher T. Able
4	James N. Brey
5	Tyler Martell
6	Eric J. Sitkiewitz
7	Jill C. Hennessey
8	David W. Soeldner
9	Allan W. Schema
10	Jason J. Sladky

**Administration**

Finance Director/Treasurer	Steve Corbeille
Assistant Finance Director/Treasurer	Anthony J. Scherer
City Clerk	Jennifer B. Hudon
City Attorney	Straun Boston
Municipal Judge	Steven R. Olson
Director Public Works & Engineer	Valerie A. Mellon
City Assessor	Sarah C. Hoppe
Police Chief	Oscar A. Dick
Fire Chief	William P. Manis
City Planner	David J. Less
Director of Building Inspection	James W. Muenzenmeyer
Superintendent Wastewater Treatment Plant	Brian M. Helminger
Director Rahr-West Museum	Jon G. Vadney
Parks and Recreation Director	Valerie A. Mellon
General Manager Public Utilities	Nilaksh J. Kothari
Director Public Library	Cherilyn C. Stewart
Facilities Manager	James W. Muenzenmeyer
Emergency Government Coordinator	Timothy R. Herzog

***SUMMARY OF PROJECTS  
GOVERNMENTAL FUNDS***

**\* \* \* \* \***

***2012 – 2016***

CITY OF MANITOWOC  
FIVE-YEAR  
CAPITAL IMPROVEMENT PLAN  
SUMMARY OF PROJECTS  
GOVERNMENTAL FUNDS

ANALYSIS OF FUNDS

	2012 ACTUAL	2013 REQUESTED	2013 DEFUNDED	2013 BUDGET	2014	2015	2016	TOTAL
ESTIMATED BEGINNING FUND BALANCE	\$455,836			\$455,836	\$455,836	\$455,836	\$455,836	
<b>FUNDING SOURCES</b>								
CAPITAL PROJECTS LEVY	\$131,663	\$0		\$0	\$0	\$0	\$0	\$131,663
BOND PROCEEDS	\$2,386,475	\$4,553,668		\$2,100,000	\$4,418,950	\$4,635,300	\$5,270,000	\$18,810,725
OTHER FINANCING SOURCE	\$0	\$0		\$758,172	\$511,000	\$984,500	\$314,000	\$2,567,672
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$2,973,974</b>	<b>\$4,553,668</b>		<b>\$3,314,008</b>	<b>\$4,929,950</b>	<b>\$5,619,800</b>	<b>\$5,584,000</b>	<b>\$21,510,060</b>
<b>USES BY PROJECT TYPE</b>								
STREET IMPROVEMENTS	\$1,205,650	\$1,339,800	\$682,784	\$657,016	\$1,965,000	\$2,700,000	\$2,085,000	\$8,612,666
STORM SEWER IMPROVEMENTS	\$170,100	\$230,400	\$230,400	\$0	\$190,000	\$460,000	\$297,500	\$1,117,600
STORMWATER MANAGEMENT PGM	\$53,700	\$904,950	\$370,469	\$534,481	\$120,000	\$200,000	\$1,160,000	\$2,068,181
TAX INCREMENT FINANCING	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
HARBORS AND DOCKS	\$0	\$0	\$0	\$0	\$500,000	\$450,000	\$0	\$950,000
ENVIRONMENTAL REMEDIATION	\$157,000	\$471,000	\$321,000	\$150,000	\$50,000	\$50,000	\$50,000	\$457,000
BUILDINGS AND GROUNDS	\$596,663	\$605,800	\$76,800	\$554,000	\$567,750	\$535,000	\$675,000	\$2,928,413
MACHINERY AND EQUIPMENT	\$335,025	\$1,446,550	\$494,875	\$962,675	\$1,537,200	\$1,224,800	\$1,316,500	\$5,376,200
<b>TOTAL USES BY TYPE</b>	<b>\$2,518,138</b>	<b>\$4,998,500</b>	<b>\$2,176,328</b>	<b>\$2,858,172</b>	<b>\$4,929,950</b>	<b>\$5,619,800</b>	<b>\$5,584,000</b>	<b>\$21,510,060</b>
ESTIMATED ENDING FUND BALANCE	\$455,836			\$455,836	\$455,836	\$455,836	\$455,836	

NOTE: Estimated Beginning Fund Balance reflects Capital Project Fund reserves only.  
Costs reflect local share.



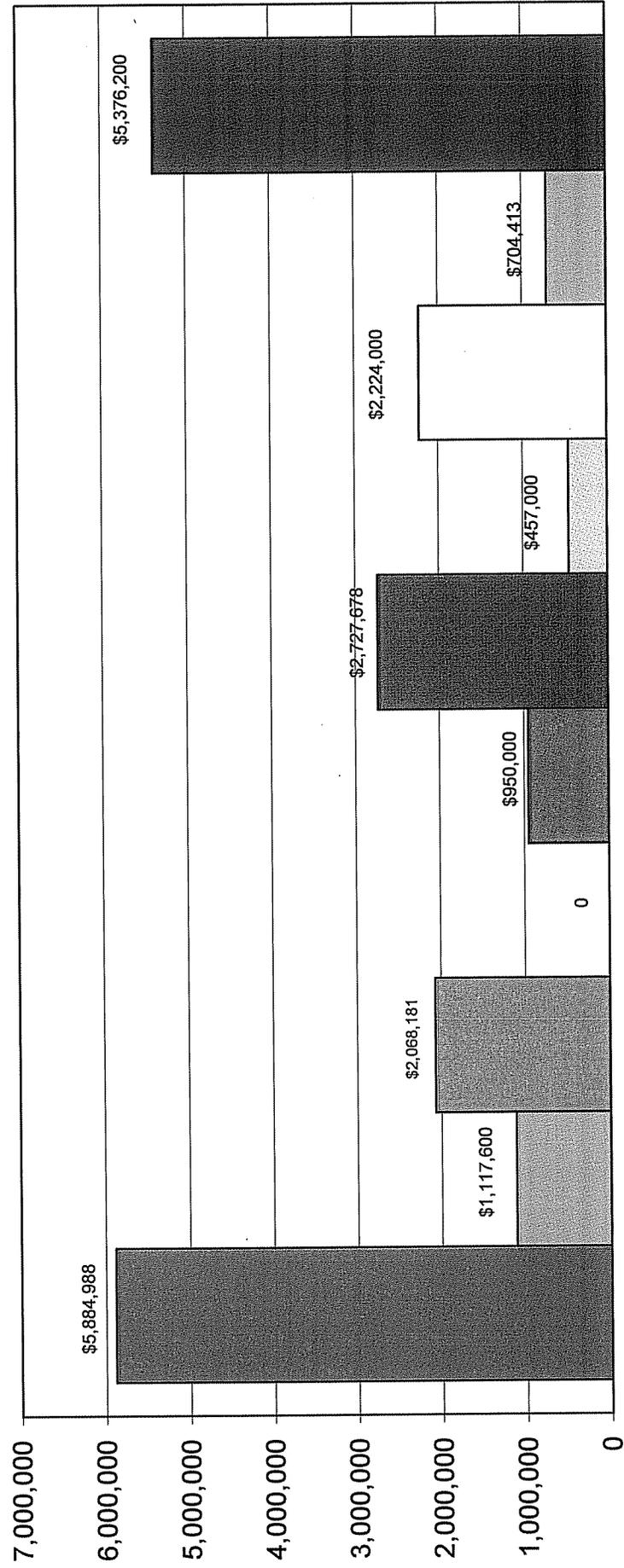
## Capital Allocation Recommendation

From Workgroup Authorized by Finance Committee 10/15/12

Members: Val Mellon, Tony Dick, Bill Manis, Jim Muenzenmeyer, Greg Vadney, Kevin Glaeser and Steve Corbeille

Unfunded Capital Requests for 2013					
ASPHALT	SOUTH 7TH -JAY TO MADISON	268,514	122,000	45%	146,514
SANITARY	S 7TH ST REPAIRS	2,883	2,883	100%	-
STORM	S 7TH ST - JAY TO MADISON	104,727		0%	104,727
ASPHALT	MARSHALL ST -LAKE TO S 7TH	24,166	4,539	19%	19,627
ASPHALT	SPRING ST - MICHIGAN TO 500FT SW	48,331	13,617	28%	34,714
SANITARY	SPRING ST	2,883	2,883	100%	-
ASPHALT	ANNUAL RR CROSSING REPAIRS	15,000		0%	15,000
ASPHALT	SOIL BORINGS	10,000		0%	10,000
PAVING	SOUTH 35TH ST -CALUMET TO 180 FT SOUTH	91,295	30,932	34%	60,363
PAVING	TWIN PONDS DRIVE	37,592	12,572	33%	25,020
ENV REMD	ENVIROMENTAL REMEDIATION - GRAVEL PIT	300,000	-	0%	300,000
ENV REMD	REMEDICATION - LEMBERGER	121,000	100,000	83%	21,000
FIRE	STATION #1 RENOVATION	13,000		0%	13,000
FIRE	CAD SYSTEM	128,000		0%	128,000
FIRE	LIFEPACK 15 DEFIBRILLATORS	30,000		0%	30,000
FIRE	TURN OUT GEAR (12 Sets)	24,000		0%	24,000
FIRE	EMERGENCY SIREN ANALYZER	19,000		0%	19,000
FIRE	REPLACE EMERGENCY WARNING SIREN & RECIEVER (2)	17,200		0%	17,200
FIRE	TURN OUT GEAR WASH MACHINE	7,500		0%	7,500
FIRE	GYM EQUIPMENT REPLACEMENT	7,000		0%	7,000
PARKS	BLUE RAIL BEACH -OTHER IMPROVEMENTS	25,000		0%	25,000
RAHRWEST	PARKING LOT REPAIRS	2,800		0%	2,800
SIDEWALK	CURB & GUTTER PROGRAM	15,872		0%	15,872
SIGNALS	PEDISTRIAN SIGNALS	30,000		0%	30,000
SIGNALS	WALDO BLVD / N RAPIDS ROAD	7,500		0%	7,500
STRMWTR	SW CORNER DUFEK & WEST	317,545	85,000	27%	232,545
STRMWTR	RED ARROW BIO INFILTRATION BASINS	52,924		0%	52,924
TRANSIT	PARATRANSIT VAN	45,000	35,750	79%	9,250
Unfunded Capital Requests for 2013		1,768,732	410,176		1,358,556

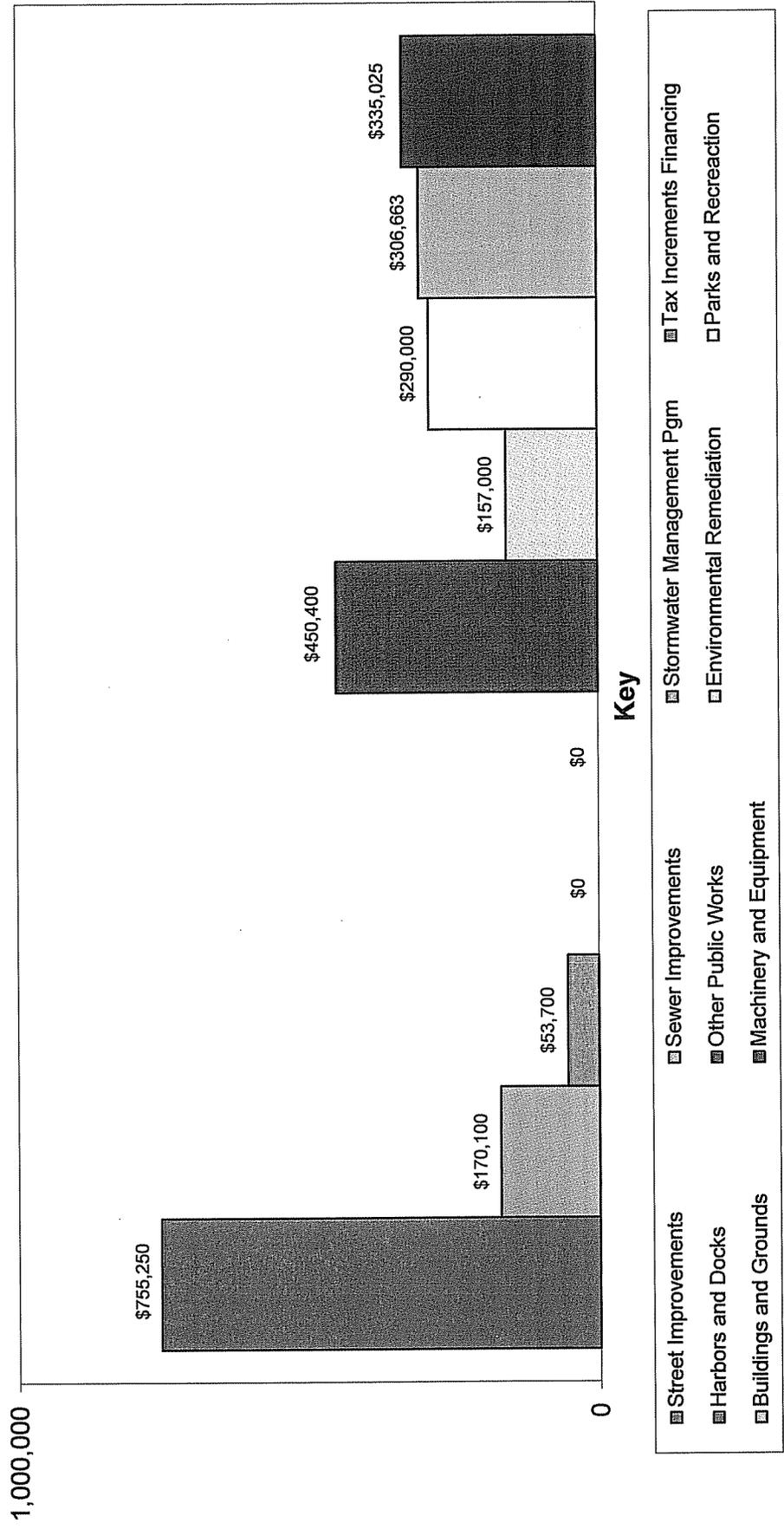
# Governmental Funds USES BY PROJECT TYPE 2012-2016



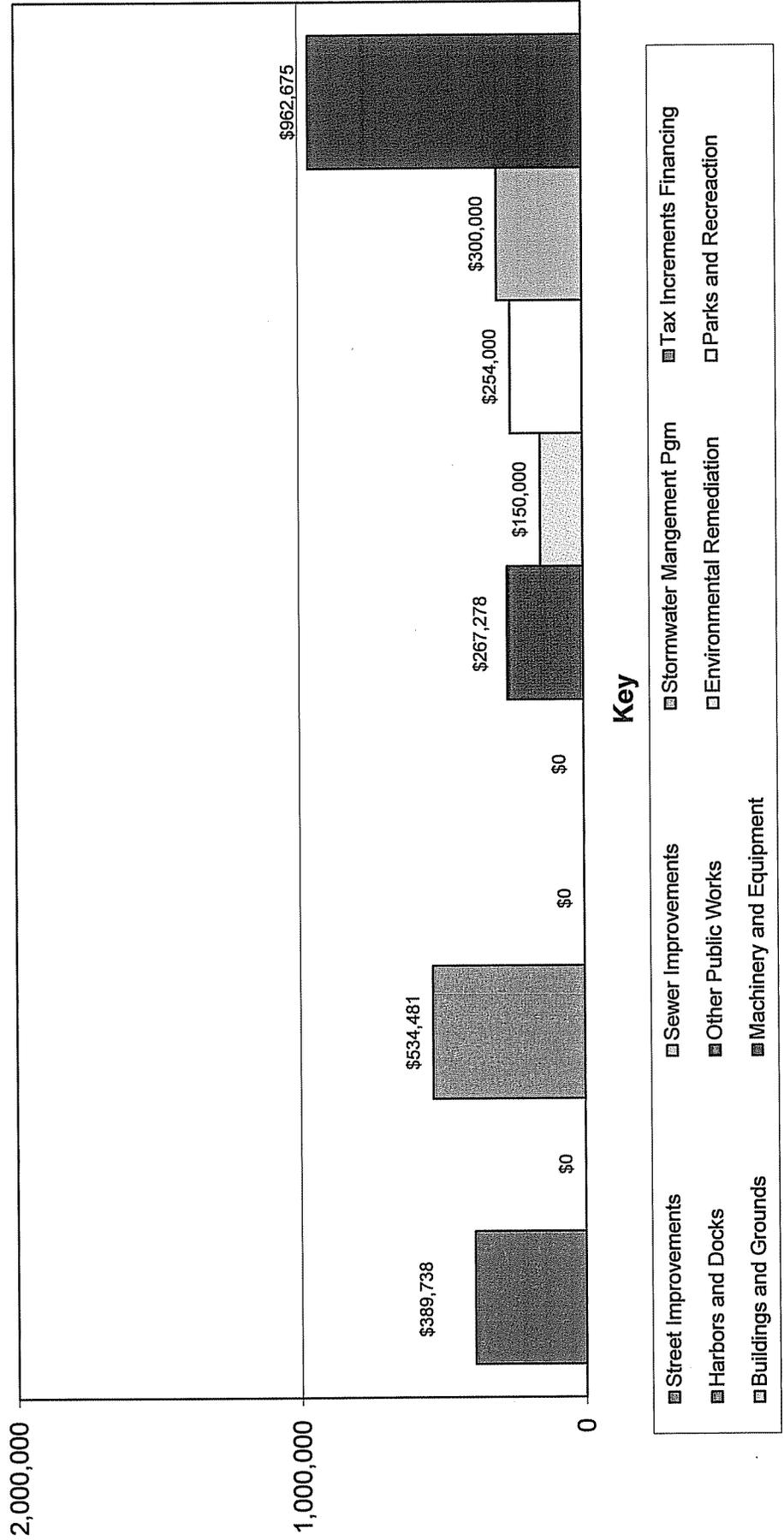
Key

- Street Improvements
- Harbors and Docks
- Buildings and Grounds
- Sewer Improvements
- Other Public Works
- Machinery and Equipment
- Stormwater Mangement Pgm
- Environmental Remediation
- Tax Increments Financing
- Parks and Recreation

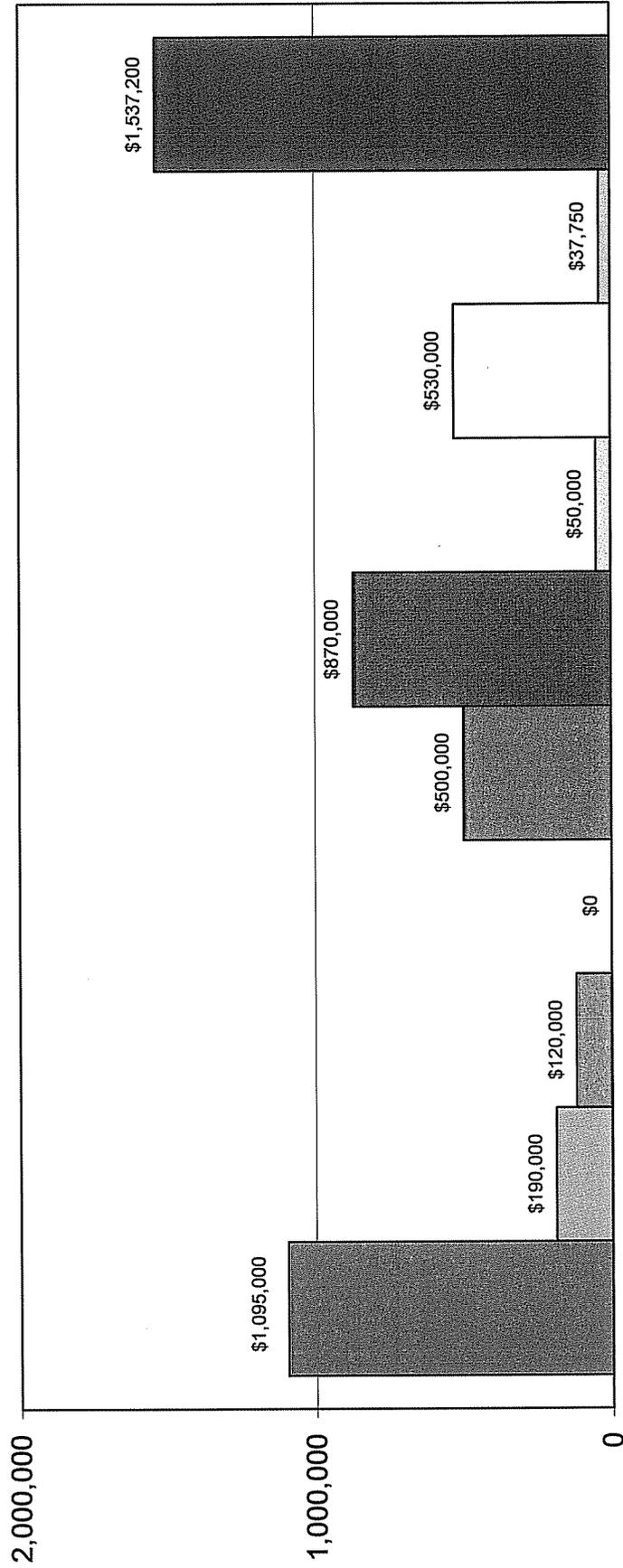
# Governmental Funds USES BY PROJECT TYPE 2012



# Governmental Funds USES BY PROJECT TYPE 2013



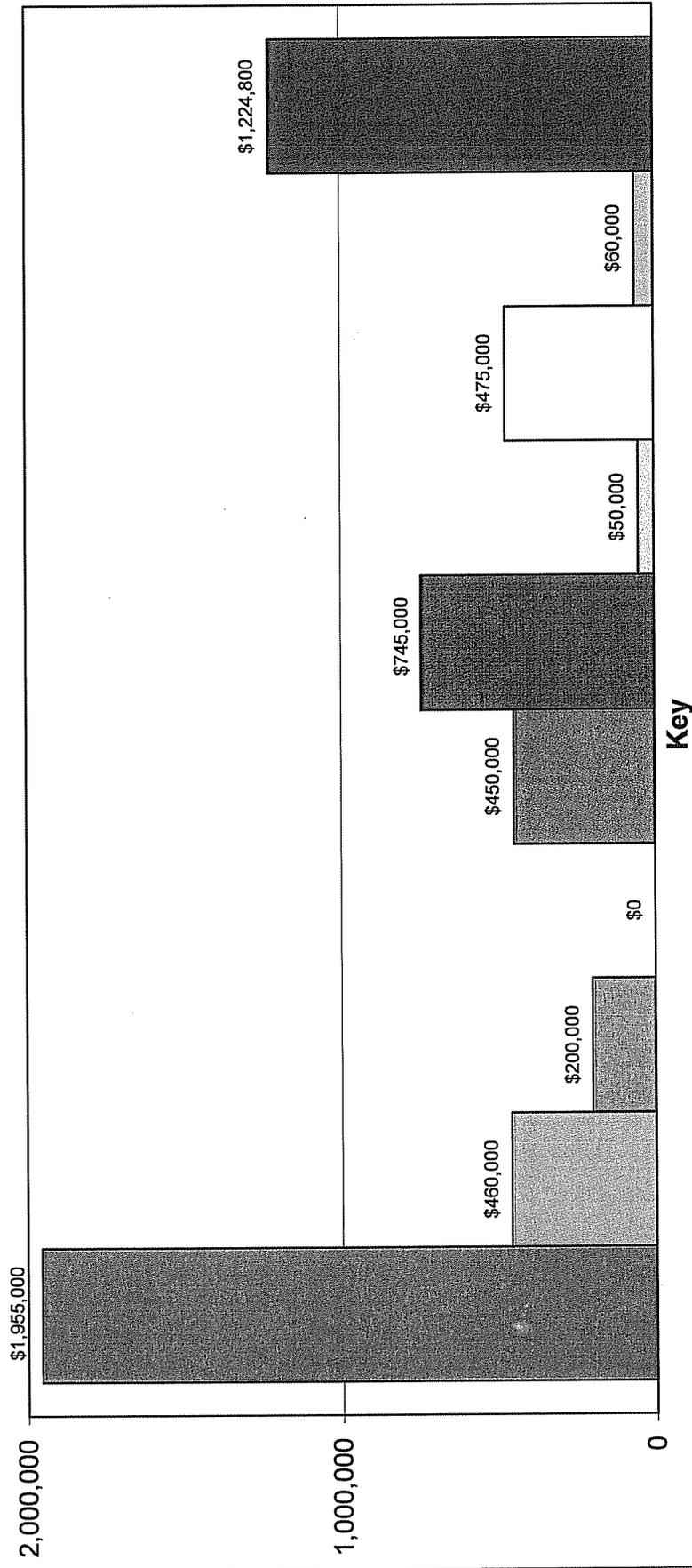
# Governmental Funds USES BY PROJECT TYPE 2014



**Key**

- Street Improvements
- Harbors and Docks
- Buildings and Grounds
- Sewer Improvements
- Other Public Works
- Machinery and Equipment
- Stormwater Management Pgm
- Environmental Remediation
- Tax Increments Financing
- Parks and Recreation

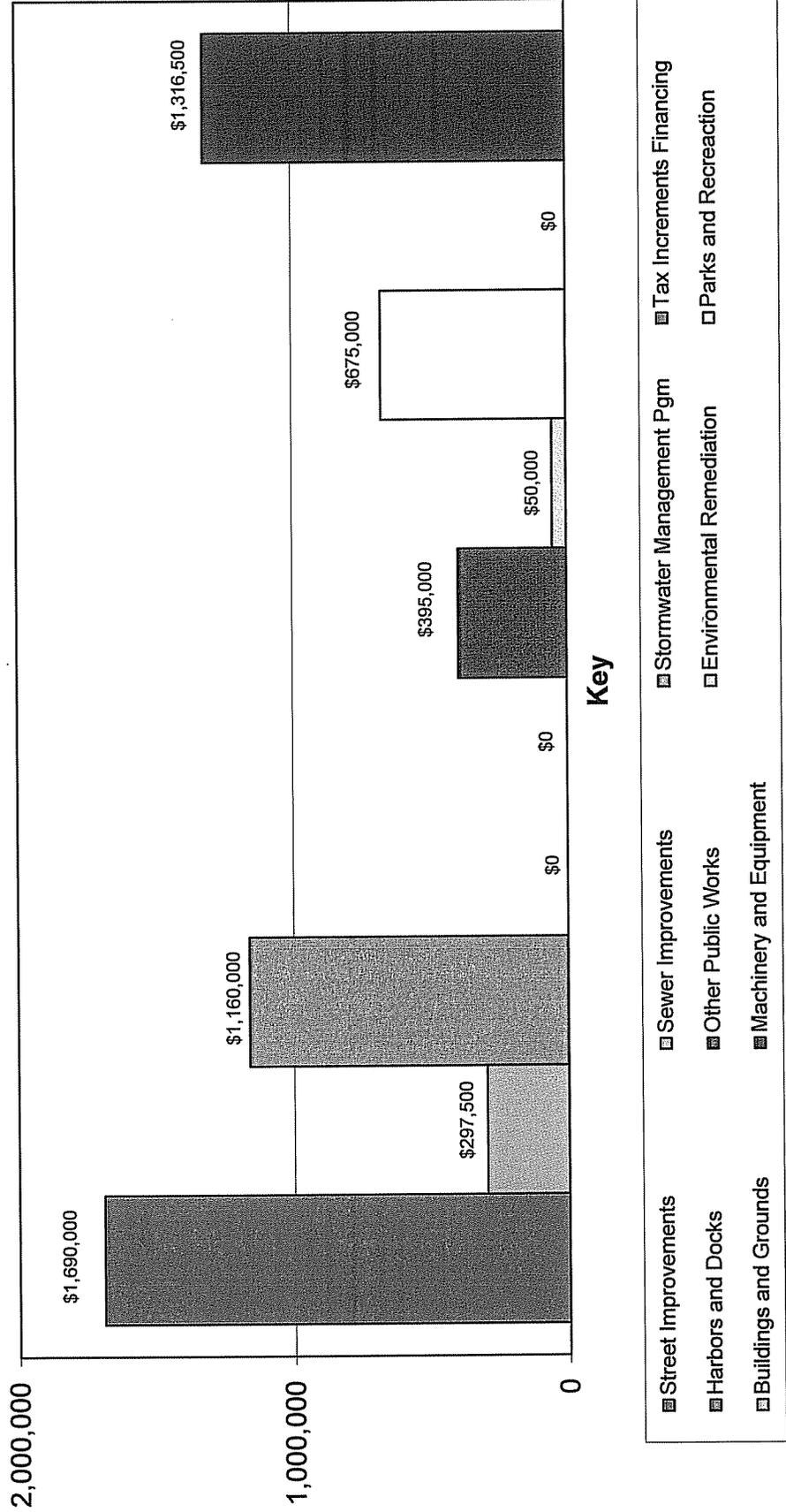
# Governmental Funds USES BY PROJECT TYPE 2015



Key

- Street Improvements
- Harbors and Docks
- Buildings and Grounds
- Sewer Improvements
- Other Public Works
- Machinery and Equipment
- Stormwater Management Pgm
- Environmental Remediation
- Tax Increments Financing
- Parks and Recreation

# Governmental Funds USES BY PROJECT TYPE 2016



***STREET  
IMPROVEMENTS***

\* \* \* \* \*

***2012 – 2016***

**CITY OF MANITOWOC  
FIVE-YEAR  
CAPITAL IMPROVEMENT PLAN  
STREET IMPROVEMENTS**

RESOURCE/COST ANALYSIS

	2012 ACTUAL	2013 REQUESTED	2013 DEFUNDED	2013 BUDGET	2014	2015	2016	TOTAL
ESTIMATED BEGINNING FUND BALANCE	\$29,000			\$29,000	\$29,000	\$29,000	\$29,000	
<b>FUNDING SOURCES</b>								
BOND PROCEEDS	\$755,250	\$879,318		\$336,566	\$584,000	\$970,500	\$1,376,000	\$4,022,316
OTHER FINANCING SOURCE		\$114,832		\$53,172	\$511,000	\$984,500	\$314,000	\$1,862,672
TOTAL AVAILABLE FUNDS	\$784,250	\$994,150		\$418,738	\$1,124,000	\$1,984,000	\$1,719,000	\$5,884,988
<b>USES BY PROJECT</b>								
ANNUAL PAVING PROGRAM	\$340,250	\$576,650	\$286,912	\$289,738	\$845,000	\$1,145,000	\$545,000	\$3,164,988
ANNUAL RESURFACING PROGRAM	\$265,000	\$317,500	\$317,500		\$250,000	\$410,000	\$315,000	\$1,240,000
D.O.T. 6-YEAR PROGRAM								\$0
* WALDO BLVD: MEMORIAL-RAPIDS								\$0
1. ENGINEERING	\$150,000	\$100,000		\$100,000				\$250,000
2. CONSTRUCTION							\$830,000	\$830,000
* CALUMET AVE/USH 151								\$0
1. ENGINEERING								\$0
2. CONSTRUCTION								\$0
CITY ARTERIAL/COLLECTION								\$0
* DEWEY ST: S. 26TH-S. 39TH								\$0
* DEWEY ST: S. 10TH-S. 26TH								\$0
* MARSHALL ST: S. 8TH-S. 10TH								\$0
* S. 10TH ST: MADISON-DEWEY								\$0
* S. 30TH ST: DIVISION-DEWEY						\$400,000		\$400,000
* VIEBAHN ST: RR XING - CTY TRK CR								\$0
* WALDO BLVD: MARITIME - N RAPIDS								\$0
TOTAL PROJECTS	\$755,250	\$994,150	\$604,412	\$389,738	\$1,095,000	\$1,955,000	\$1,690,000	\$5,884,988
ESTIMATED ENDING FUND BALANCE	\$29,000			\$29,000	\$29,000	\$29,000	\$29,000	

NOTE: Estimated Beginning Fund Balance reflects Capital Project Fund reserves only.  
Costs reflect local share.

## STREET IMPROVEMENTS

### PROJECT NARRATIVES

#### ANNUAL CONCRETE PAVING AND ASPHALT RESURFACING PROGRAM

These projects include the annual concrete paving program and the annual asphalt resurfacing/overlaying of various streets within the City. The annual concrete paving program includes new subdivisions, some of the older annexed areas and reconstruction of existing deteriorated streets. The annual asphalt-resurfacing/overlay program includes local streets and alleys.

#### CITY ARTERIAL/COLLECTOR

The following projects include rehabilitation of Collector/Arterial type streets within the City that are not marked State or Federal Highways but would be eligible for DOT "S.T.P. Urban" funding (Surface Transportation Program 80/20) or LRIP Funding (DOT Local Roads Improvement Program). The schedule or timing of construction of these projects is subject to considerable variance.

##### DEWEY STREET

Dewey Street from South 26<sup>th</sup> Street to approximately 400 feet west of South 39<sup>th</sup> Street is deteriorating rapidly and is in need of complete reconstruction. The current plan is to continue the two-way left turn lane from west of South 39<sup>th</sup> Street to South 30<sup>th</sup> Street. The two-way left turn lane will provide better and safer traffic movements along with pedestrian safety. The widening of the roadway will mean that the MPU utility poles will have to be relocated. This segment was originally constructed in 1980. Therefore, the 40 year life expectancy is not up until 2020 and any assessment revenue prior to that date will have to be pro-rated in accordance with Municipal Code. The roadway reconstruction is currently unprogrammed.

Dewey Street from South 10<sup>th</sup> Street to South 26<sup>th</sup> Street is currently unprogrammed.

##### SOUTH 30<sup>TH</sup> STREET

South 30<sup>th</sup> Street from Division to 725 feet south of Yorkshire Lane is scheduled for reconstruction in 2017. This project will include reconstructing the roadway to the same cross section that exists today. According to current stormwater standards, if the roadway were to be widened, a stormwater pond would need to be constructed.

South 30<sup>th</sup> Street from 725 feet south of Yorkshire Lane to Dewey Street is scheduled for reconstruction in 2015. This project will include reconstructing the roadway to the same cross section that exists today. According to current stormwater standards, if the roadway were to be widened, a stormwater pond would need to be constructed.

### MARITIME DRIVE

Maritime Drive from North 6<sup>th</sup> Street to Buffalo Street is scheduled for reconstruction in 2016. If and when this project is built we would like to look at reconstructing the intersection of Buffalo St. and Maritime Drive in order to provide a pedestrian refuge island on Maritime Drive and eliminating the merge lane from N. 5<sup>th</sup> Street.

### MARSHALL STREET

Marshall Street from South 8<sup>th</sup> to South 10<sup>th</sup> Street is scheduled for reconstruction in 2017. The reconstruction will include new concrete pavement, curb and gutter, handicapped ramps and the replacement of underground facilities.

### VIEBAHN STREET

Viebahn Street from the Railroad tracks to South 42<sup>nd</sup> Street (CTH "CR") is proposed for reconstruction. Manitowoc County and the City of Manitowoc submitted a joint application for the DOT's STP Urban Funding Program. The plan would be to reconstruct this section of roadway into an urban section consisting of a 36 foot wide street with curbs. We would prefer this roadway to be wider, however, there is not enough existing Right-of-Way and the County is not interested in any land acquisition. It is anticipated that there will be no parking on this segment of street or perhaps only one sided parking (south side). **The funding for this project was not approved; therefore the project has been moved to the unprogrammed section of the plan.**

## D.O.T. 6-YEAR PROGRAM

### NORTH RAPIDS RD/BROADWAY ST INTERSECTION

The intersection of N. Rapids Road and Broadway Street has received approval for the DOT's Highway Safety Improvement Program (HSIP). This funding program will pay for 90% of the participating costs. The proposed improvement consists of pavement markings, signage, and traffic signal modifications to provide an additional left turn for northbound traffic on N. Rapids Rd. We will also be looking at some pavement replacement at the intersection. The project is scheduled to be completed in 2012.

### WALDO BOULEVARD

The DOT has approved funding for projects on Waldo Blvd. from Memorial Drive to N. Rapids Rd. The City and DOT have entered into a State/Municipal Agreement for the projects. Waldo Blvd. from Memorial Dr. to N. 5<sup>th</sup> St. and from Fleetwood Dr. to N. Rapids Rd. will be overlaid with asphalt while the section of Waldo Blvd. from N. 5<sup>th</sup> St. to Fleetwood Drive will be completely reconstructed. The City of Manitowoc will be responsible for 25% of the design engineering. Therefore, we need to budget monies in 2012 and 2013 for the design engineering work. Ayres Associates will be the consultant designing the project for the DOT and City. The construction project is scheduled for 2016.

Waldo Blvd. from North 5<sup>th</sup> to North 8<sup>th</sup> Street is scheduled for complete reconstruction in 2016.

Waldo Blvd. from N. 8<sup>th</sup> to Fleetwood Drive is scheduled for complete reconstruction in 2016.

Waldo Blvd. from Memorial Drive to North 5<sup>th</sup> Street is scheduled for asphalt resurfacing in 2016.

Waldo Blvd. from Fleetwood Drive to N. Rapids Rd. is scheduled for asphalt resurfacing in 2016.

# CAPITAL WORKS PROGRAM

2013 - 2017

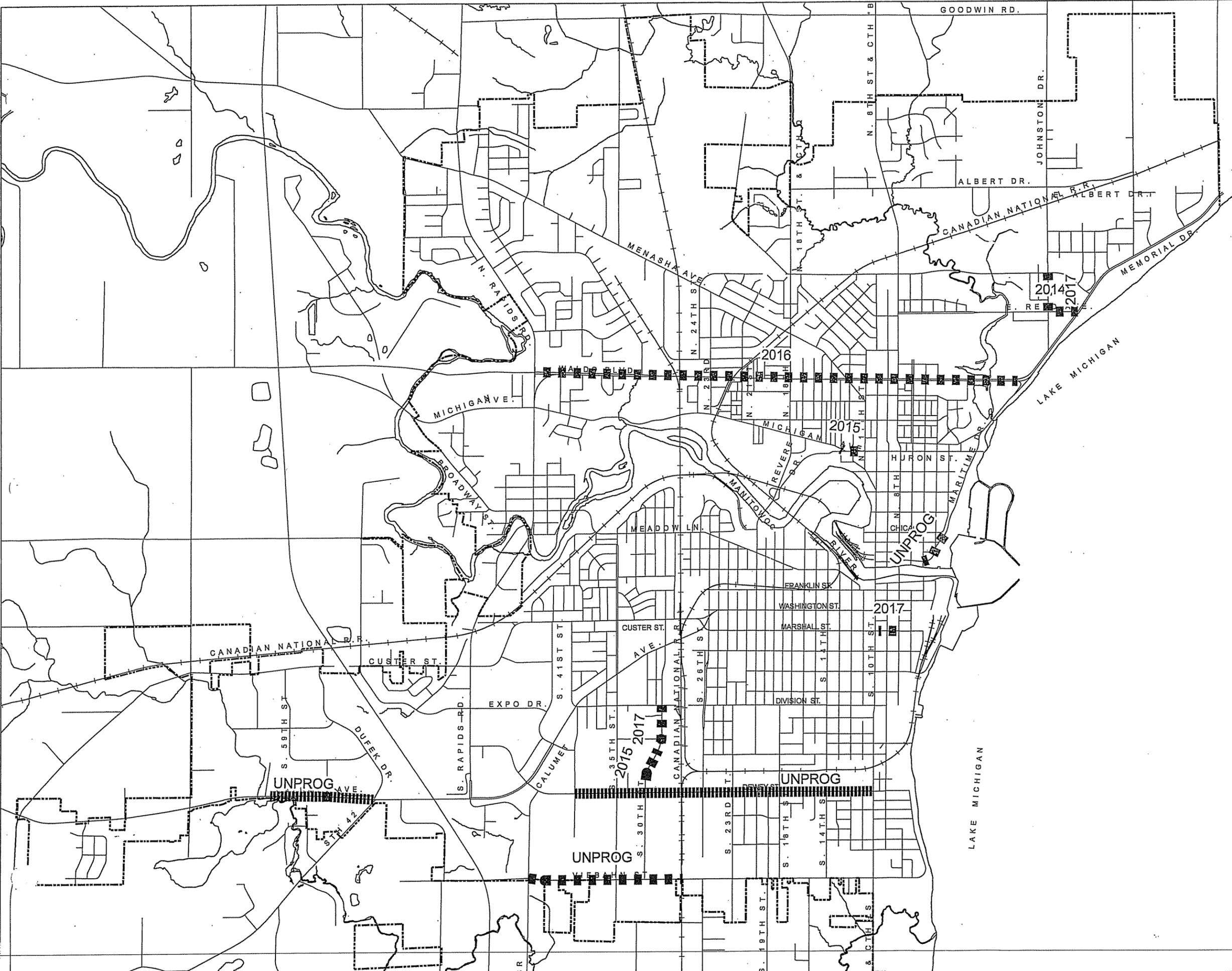
## STREET IMPROVEMENTS



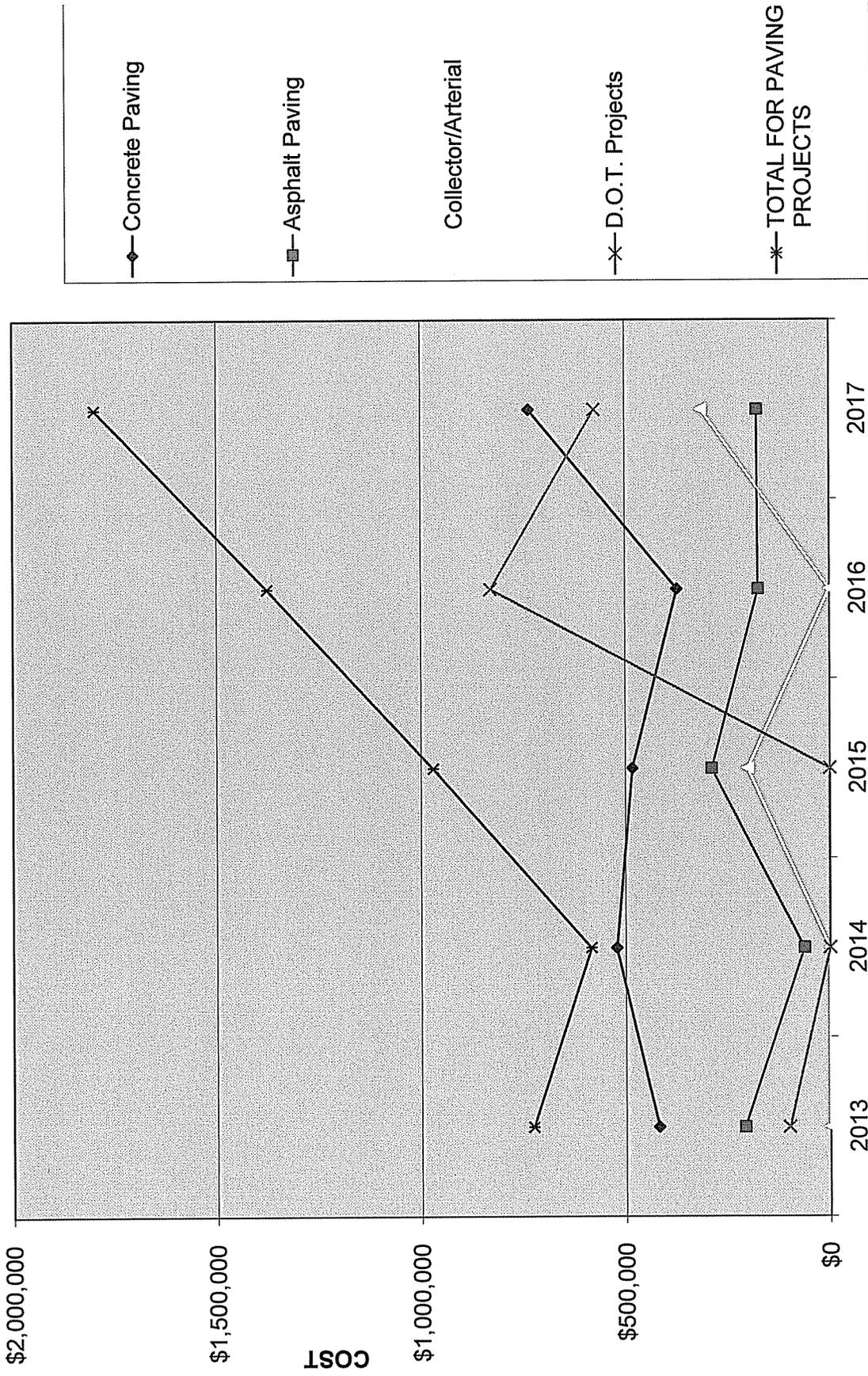
CITY OF MANITOWOC

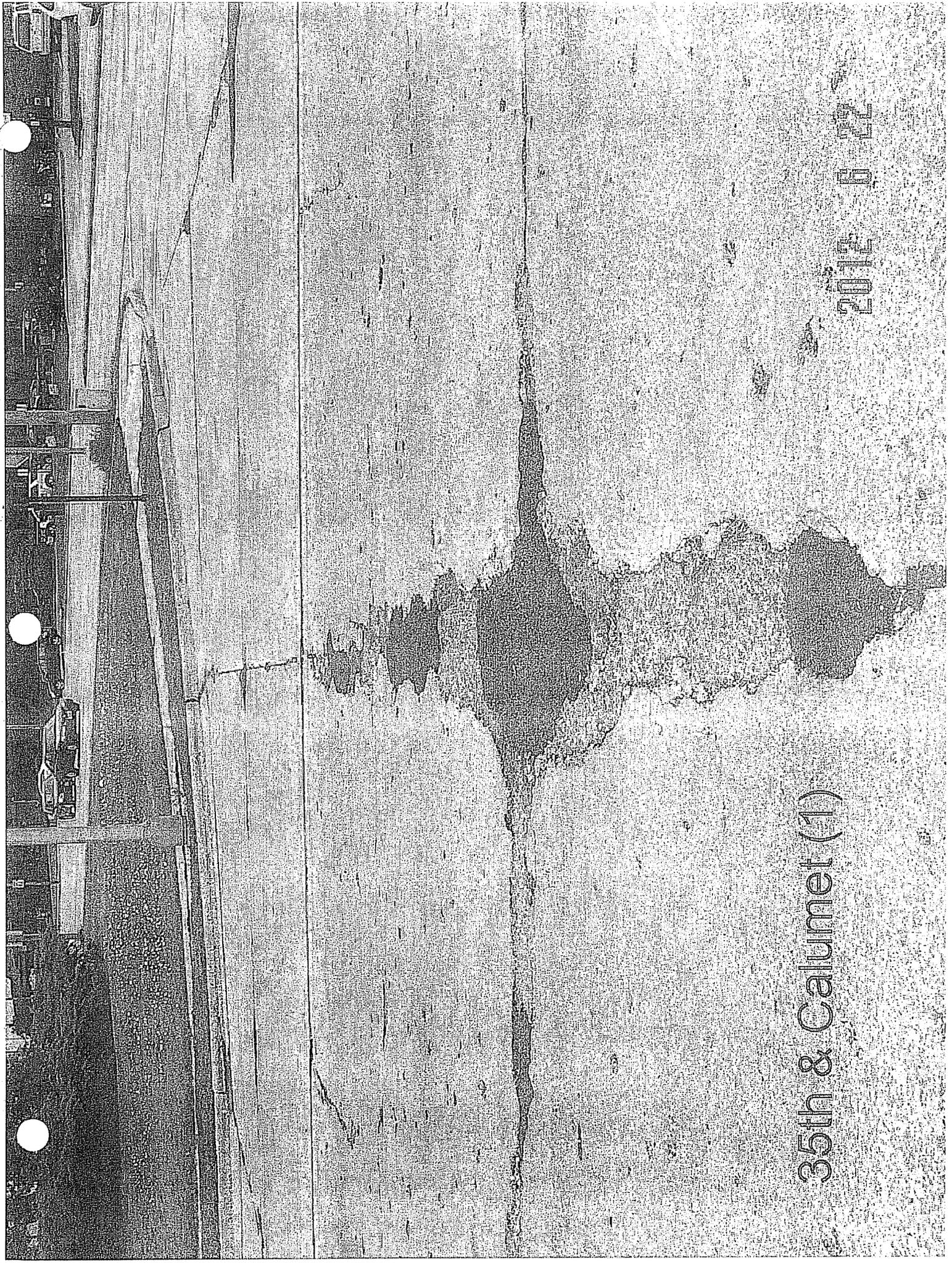
### LEGEND

- WIS D.O.T. 6 YEAR PROGRAM
- CITY ARTERIAL/COLLECTOR (LRIP OR ISTE)
- 20XX - YEAR OF CONSTRUCTION



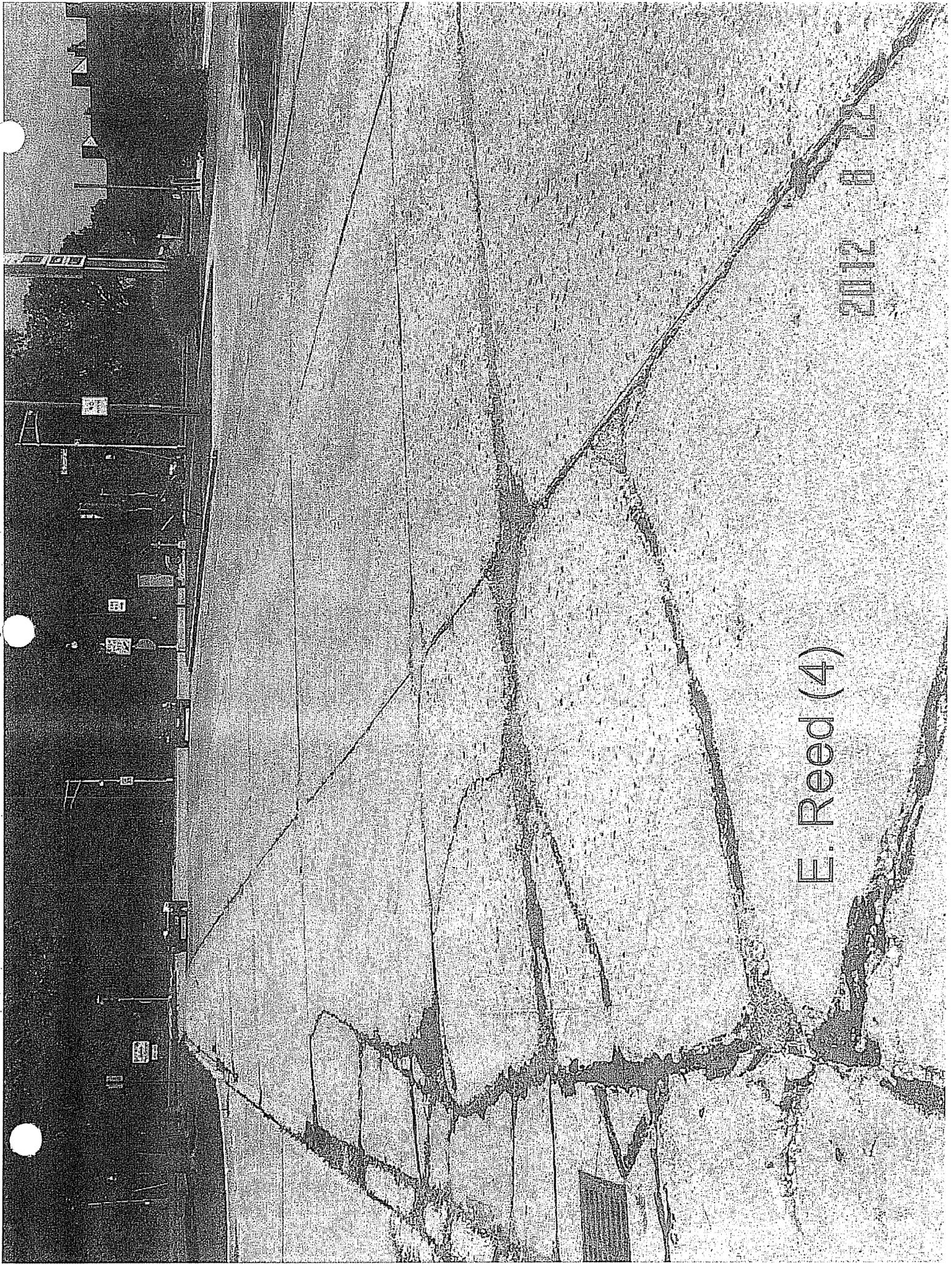
NET COSTS - PAVING





35th & Calumet (1)

2012 02

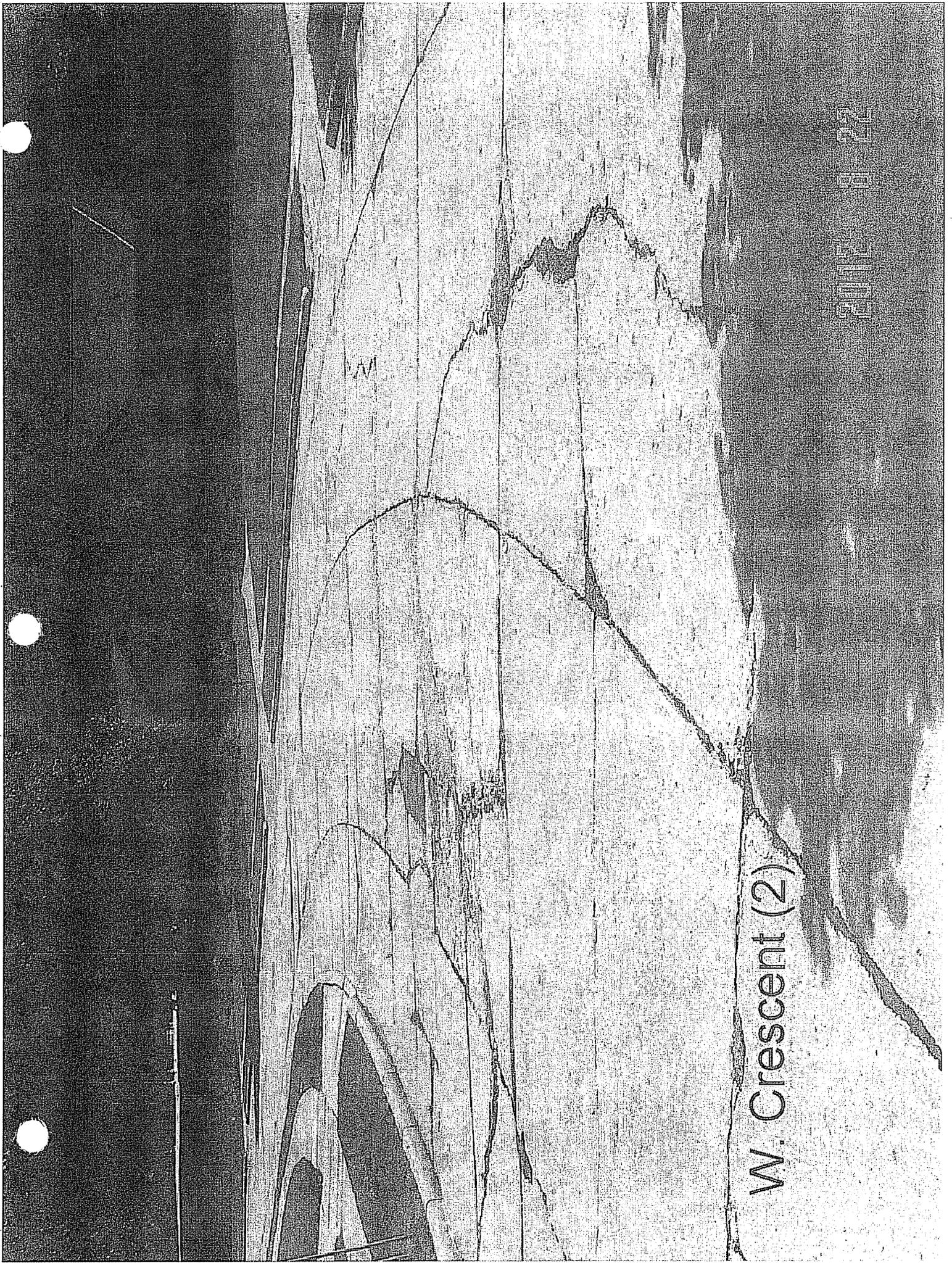


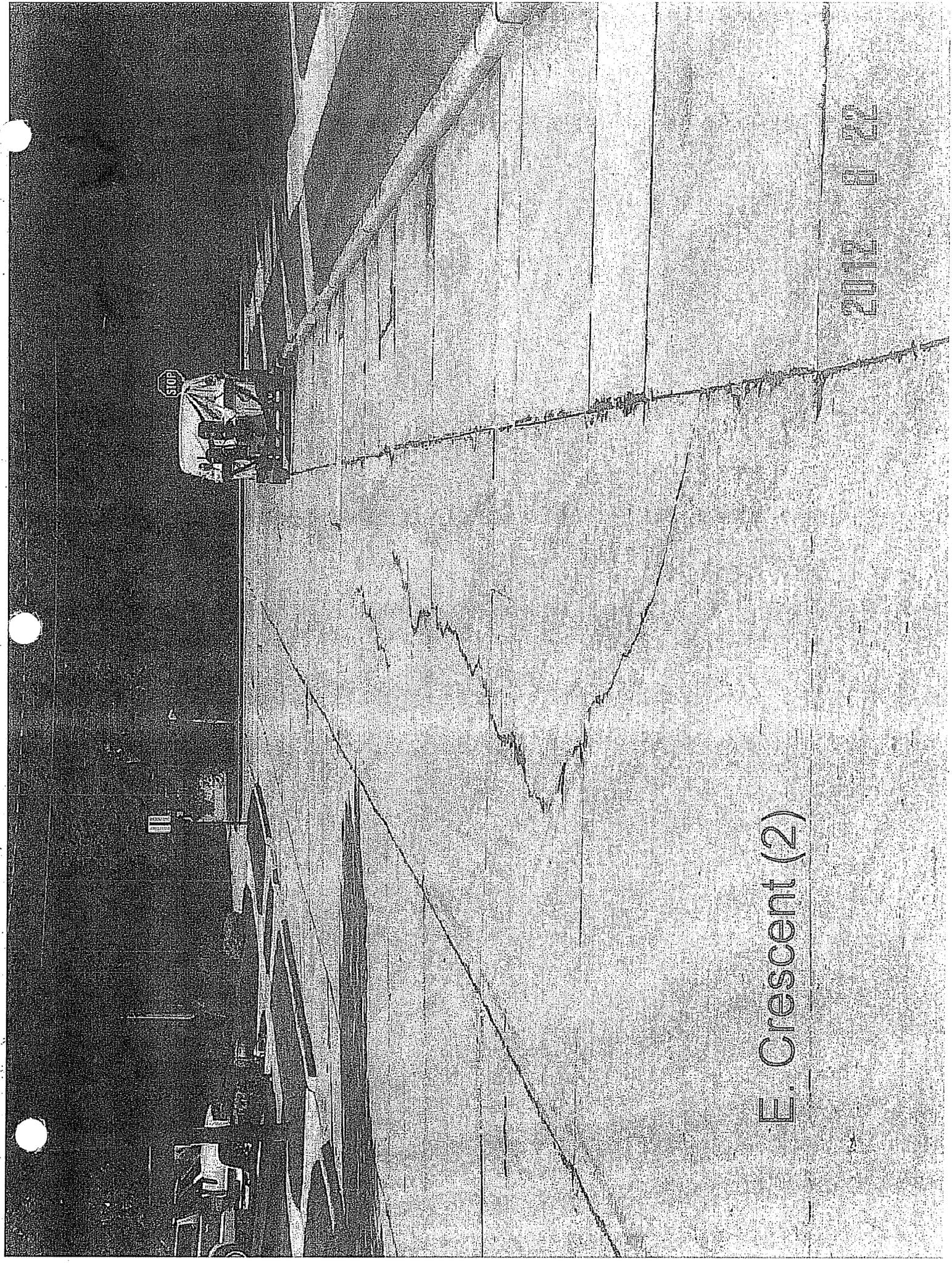
E. Reed (4)

2012 0 11

W. Crescent (2)

SHORELINE





E. Crescent (2)

2012 0 21

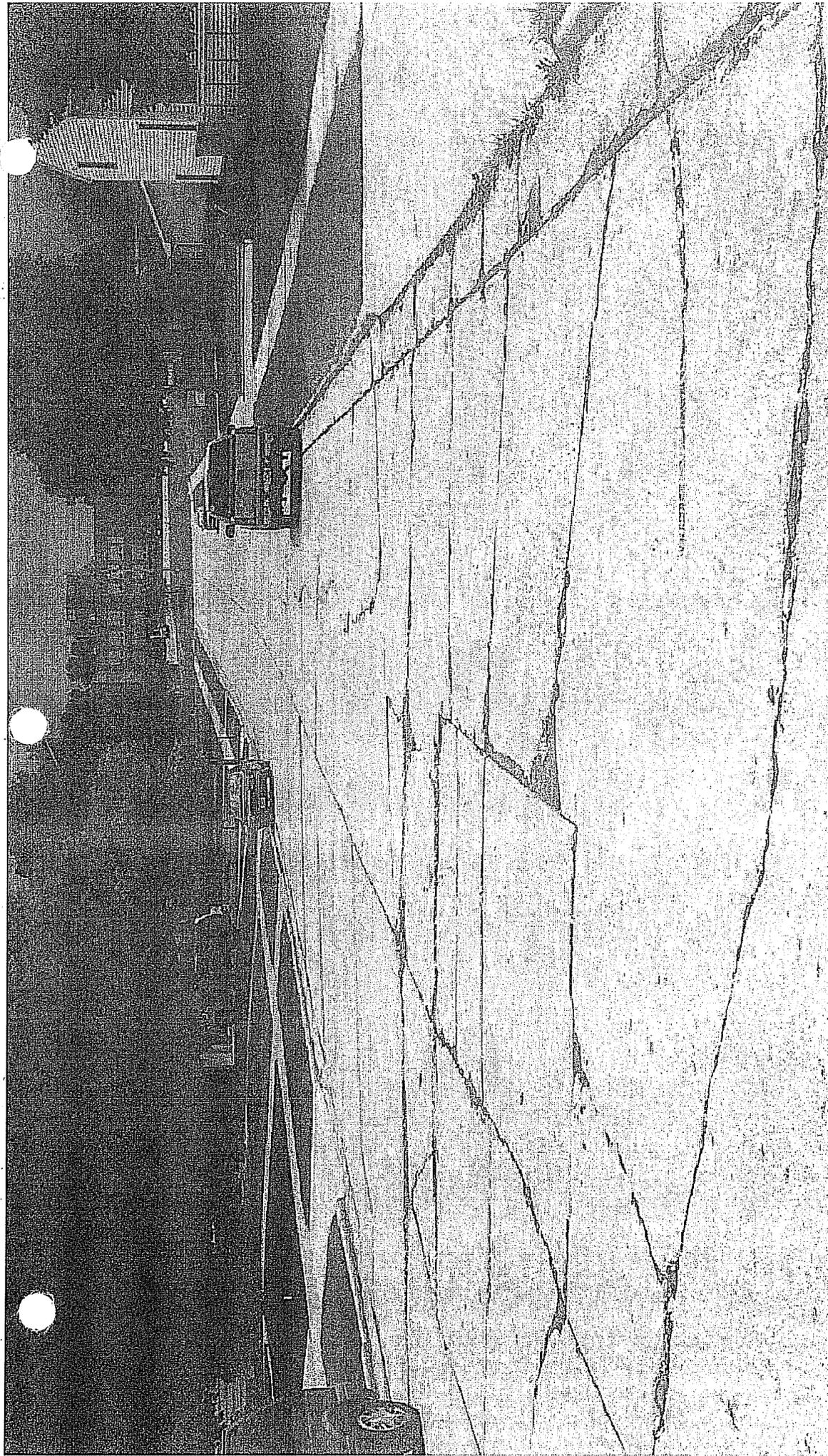
OUTLET

PHASE 1



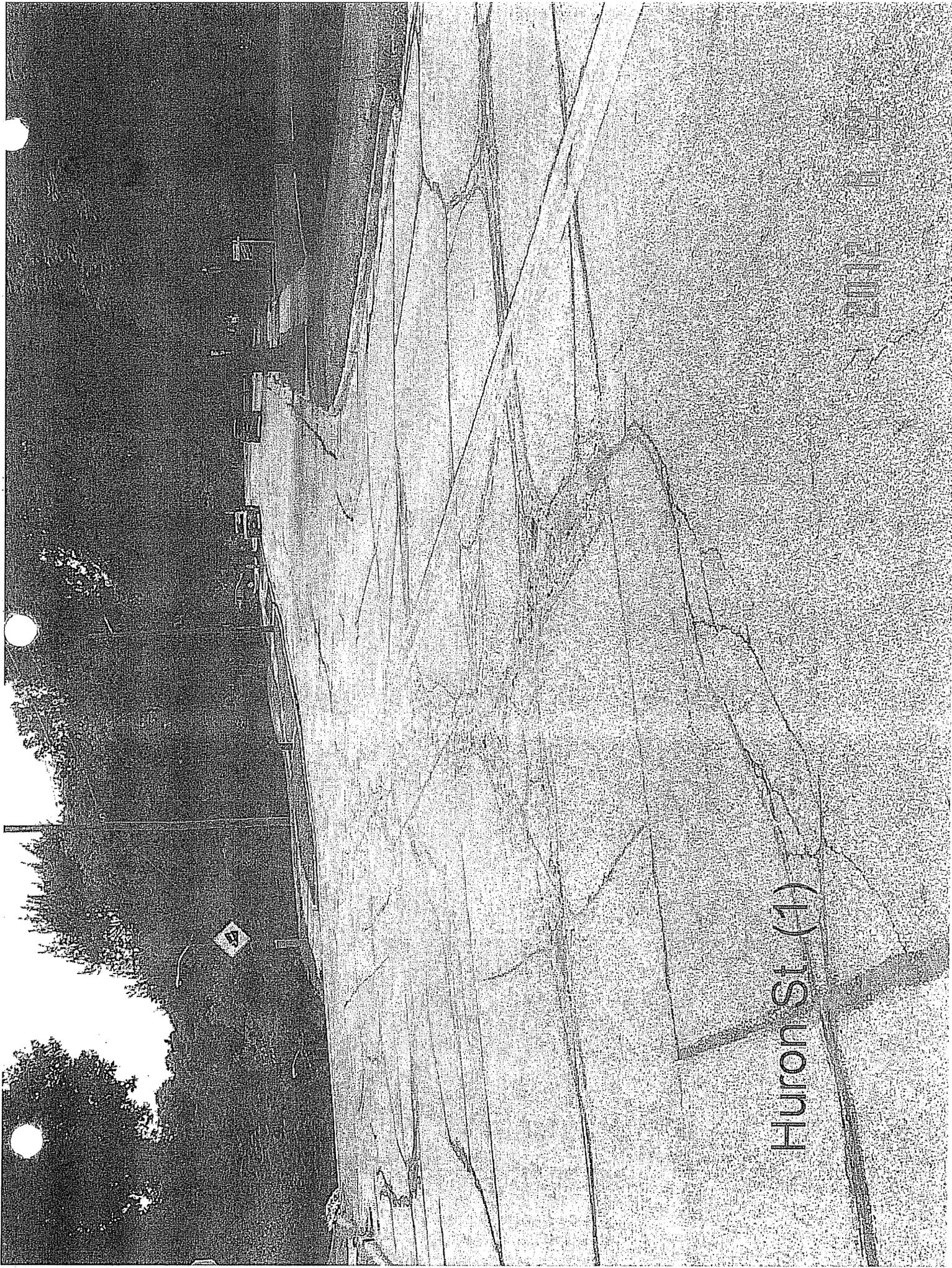
Pheasant Lane (1)

2012 0 22

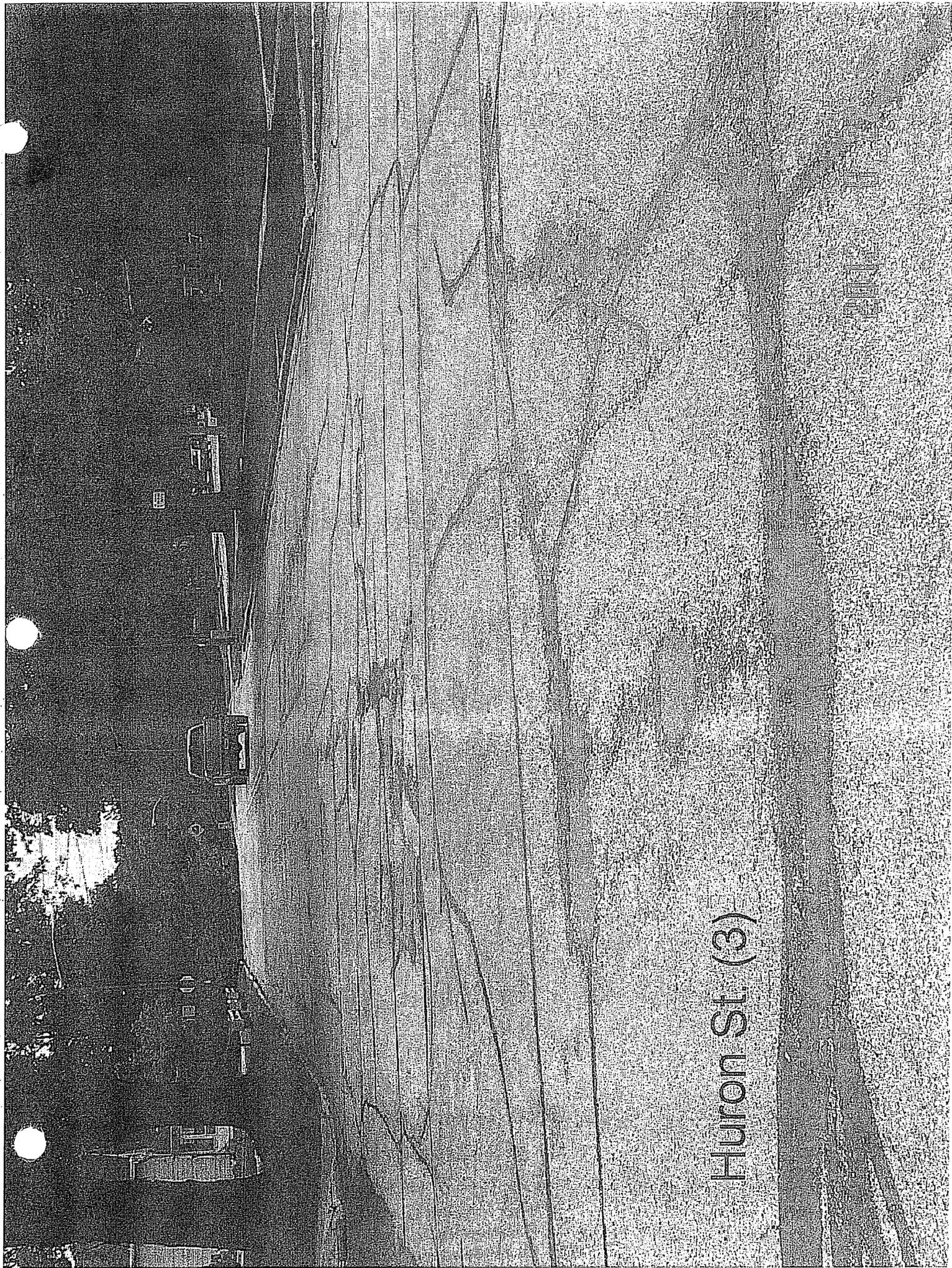


N. 10th St. (4)

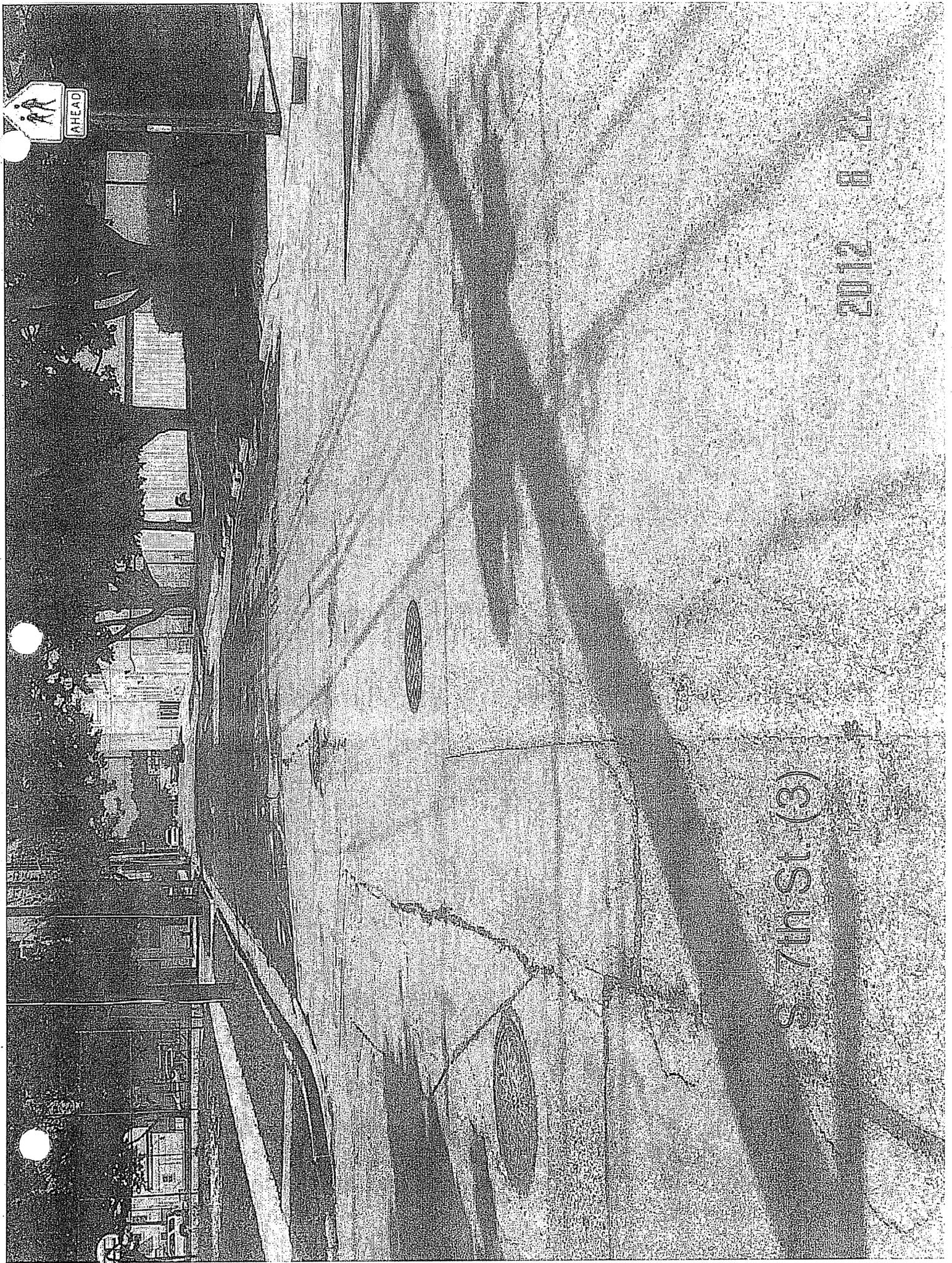
2012 8 22



Huron St (1)



Huron St. (3)



S. 7th St (3)

2012 08 21

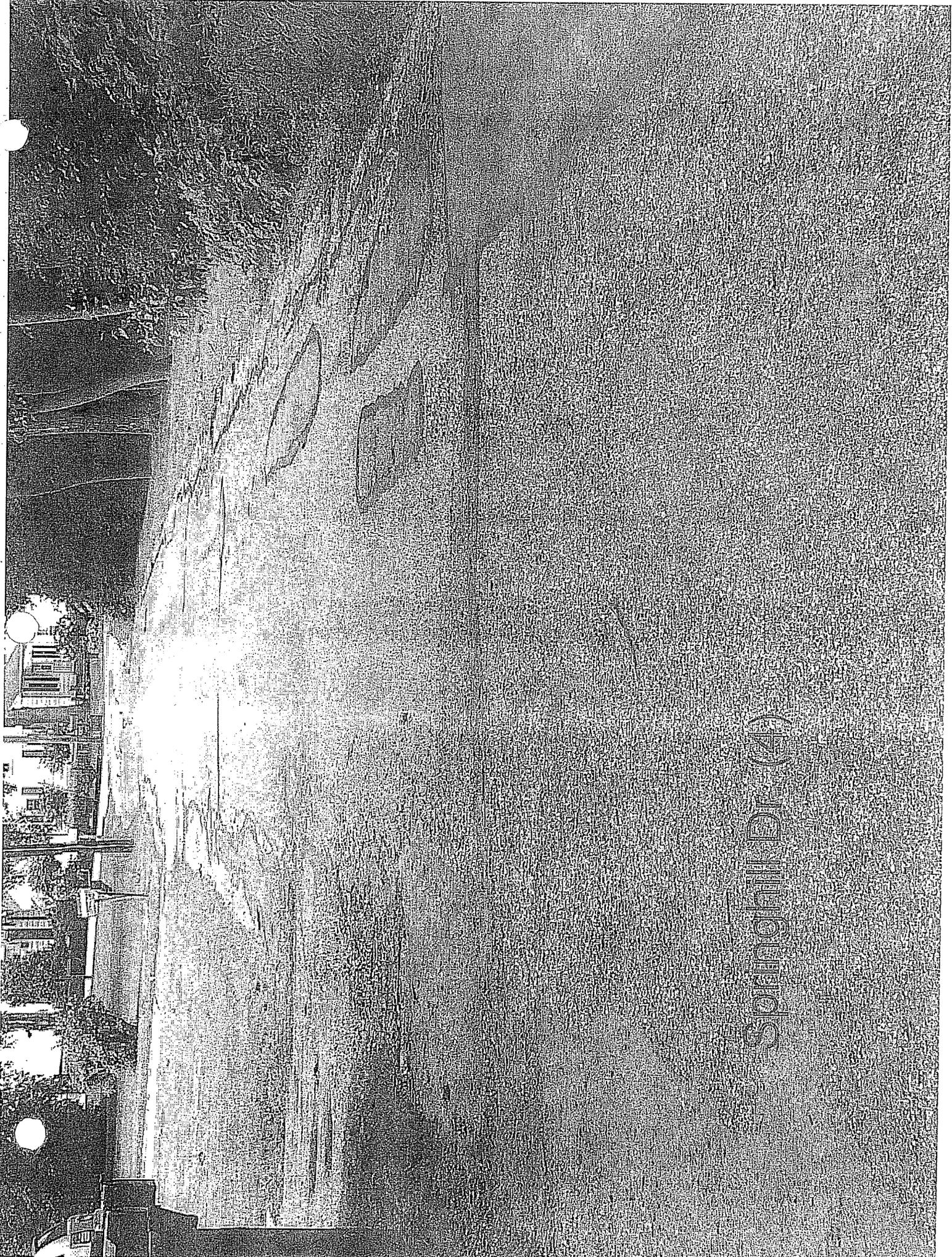


Marshall St. (1)



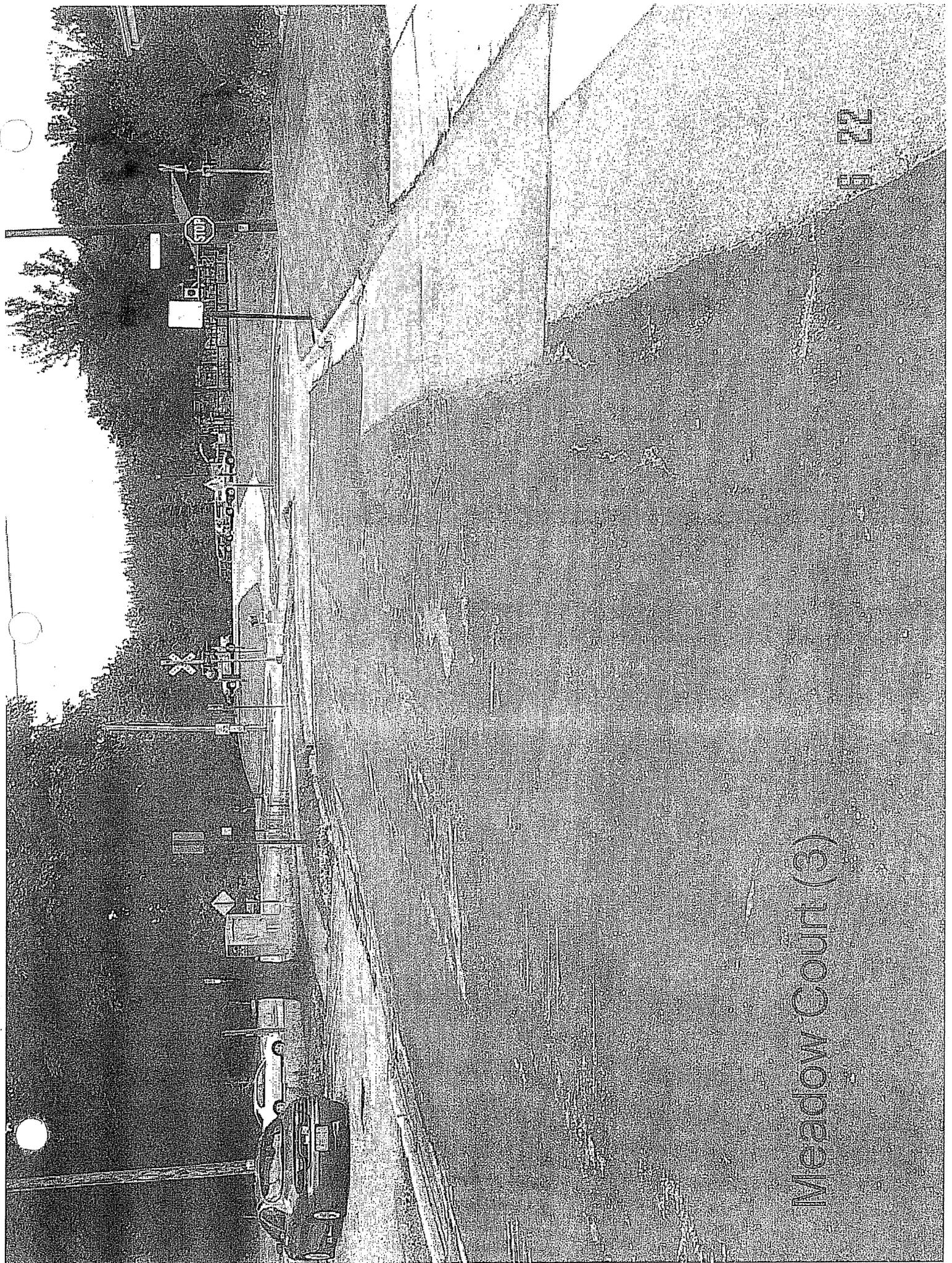
© EW

Spring St (5)

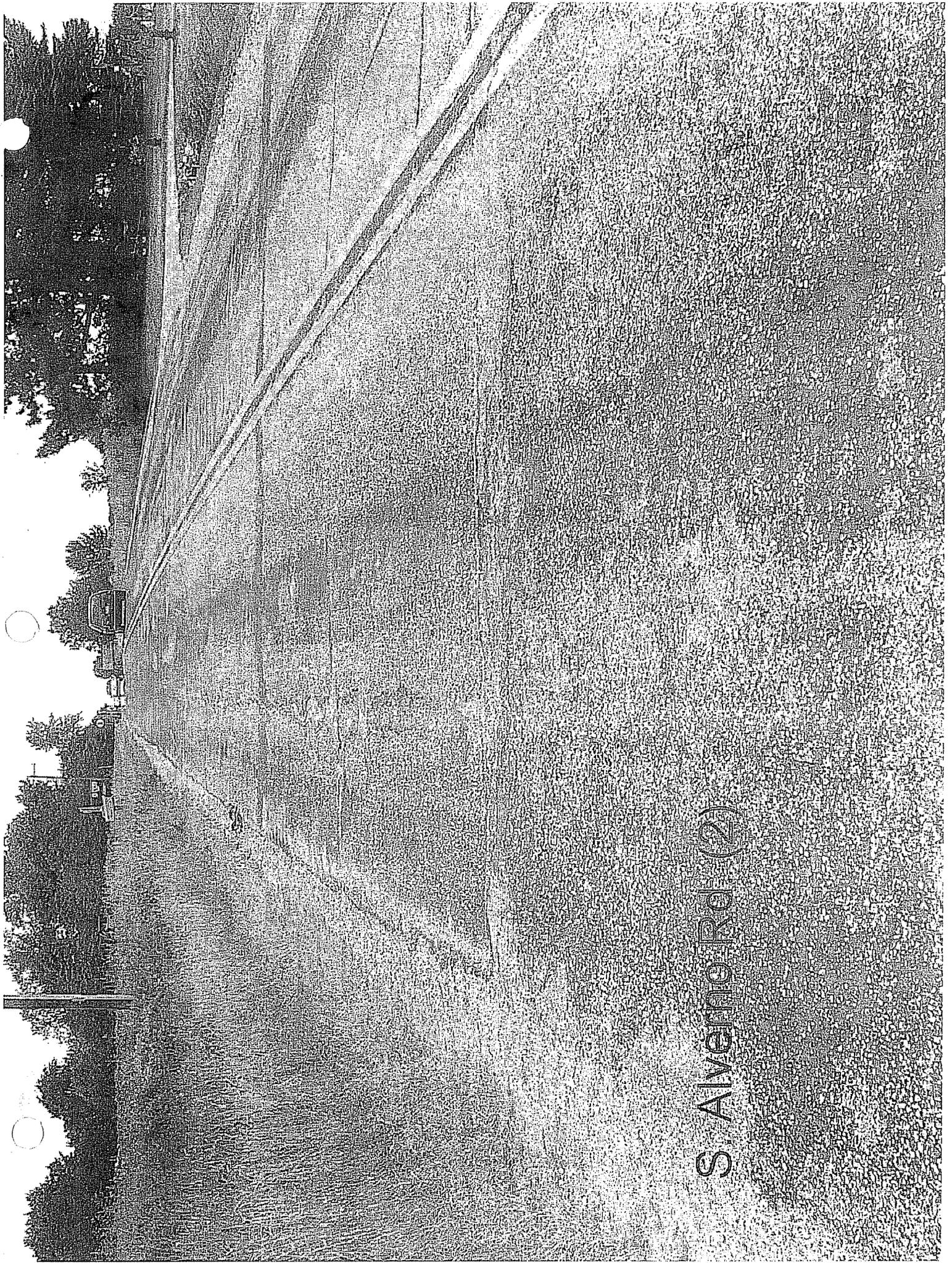


SPRINGFIELD, MA

Edgewood Lane (3)



Meadow Court (3)



S Alverno Rd (2)

**CITY OF MANITOWOC  
FIVE-YEAR  
CAPITAL IMPROVEMENT PLAN  
OTHER PUBLIC WORKS**

RESOURCE/COST ANALYSIS

	2012 ACTUAL	2013 REQUESTED	2013 DEFUNDED	2013 BUDGET	2014	2015	2016	TOTAL
ESTIMATED BEGINNING FUND BALANCE	\$50,300			\$50,300	\$50,300	\$50,300	\$50,300	
<b>FUNDING SOURCES</b>								
BOND PROCEEDS	\$450,400	\$261,650		\$183,278	\$870,000	\$745,000	\$395,000	\$2,643,678
OTHER FINANCING SOURCE		\$84,000		\$84,000				\$84,000
TOTAL AVAILABLE FUNDS	\$500,700	\$345,650		\$317,578	\$920,300	\$795,300	\$445,300	
<b>USES BY PROJECT</b>								
*N 8TH & REED	\$100,000							\$100,000
*LOOPS/PEDESTRIAN SIGNALS		\$37,500	\$37,500					\$0
EVERGREEN CEMETERY 1. WEST EXPANSION								\$0
LITTLE MANITOWOC RIVER BRIDGE	\$50,000							\$50,000
10TH STREET BRIDGE - REPAINT						\$350,000		\$350,000
SRTS NEW SIDEWALK PROGRAM		\$30,300		\$30,300	\$225,000			\$255,300
ANNUAL LAND ACQUISITIONS		\$10,000		\$10,000	\$5,000	\$5,000	\$5,000	\$25,000
ANNUAL SOIL BORINGS		\$10,000	\$10,000		\$10,000	\$10,000	\$10,000	\$30,000
ANNUAL SIDEWALK - NEW	\$80,100	\$0			\$120,000	\$120,000	\$120,000	\$440,100
ANNUAL SIDEWALK - REPLACE	\$130,300	\$127,850	\$872	\$126,978	\$120,000	\$120,000	\$120,000	\$617,278
ANNUAL SIDEWALK - DOWNTOWN REMOVE & REPLACE					\$250,000			\$250,000
ANNUAL PAVEMENT MARKING	\$75,000	\$100,000		\$100,000	\$100,000	\$100,000	\$100,000	\$475,000
ANNUAL CURB & GUTTER	\$15,000	\$15,000	\$15,000		\$25,000	\$25,000	\$25,000	\$90,000
ANNUAL RR CROSSING REPAIR		\$15,000	\$15,000		\$15,000	\$15,000	\$15,000	\$45,000
TOTAL PROJECTS	\$450,400	\$345,650	\$78,372	\$267,278	\$870,000	\$745,000	\$395,000	\$2,727,678
ESTIMATED ENDING FUND BALANCE	\$50,300			\$50,300	\$50,300	\$50,300	\$50,300	

NOTE: Estimated Beginning Fund Balance reflects Capital Project Fund reserves only.  
Costs reflect local share.

## OTHER PUBLIC WORKS

### PROJECT NARRATIVES

These items include typical annual projects such as installation of new sidewalks, removing and replacing deteriorated sidewalks, concrete curb replacement, epoxy pavement markings, and the repair of deteriorated railroad crossings.

#### GIS MAPPING/GPS

GIS Mapping (Orthophotos & Planimetrics): This is for acquiring updated aerial photos (orthophotos) for the City of Manitowoc and for the areas three miles beyond the City Limits. This project is scheduled for 2010. We are also planning to upgrade our planimetric mapping and topographic mapping (1' contours) in 2015.

#### GPS

This is for GPS related activities. The City would like to acquire GPS hardware and training (robotic total station, etc.). This project is currently scheduled for 2013.

#### LAKESIDE BOULEVARD EROSION

Lakeside Boulevard Erosion: The bank stabilization and shoreline protection project, although not presently urgent (due to low water levels), it should be kept in the 5-Year Program. The current 5-year plan has this work shown as unprogrammed. The Engineering Department submitted an application for a Coastal Management Funding Grant in the Spring of 2011, however, we were not successful in obtaining any funding.

#### TRAFFIC SIGNALS

Replacement of the traffic signal loop detectors on the west leg of the intersection of N. Rapids Rd. and Waldo Blvd. in advance of the DOT's asphalt resurfacing on Waldo Blvd. from CTH "R" to I-43.

This item is for the proposed installation of pedestrian signals at the intersections of S. 8<sup>th</sup> and Quay St., N. 6<sup>th</sup> and Maritime Dr., Maritime Dr. and Buffalo St. (YMCA), and S. 14<sup>th</sup> St. by Monroe Elementary School. The proposed signals would be Rectangular Rapid Flash Beacons (RRFB-XL).

#### 10<sup>TH</sup> STREET BRIDGE

This is for the repainting of the 10<sup>th</sup> Street Bascule Bridge. It is unknown at this time if we will repaint the entire bridge or only the bascule (lift) portion of the bridge. This will not be a cheap project due to the environmental protection that is required to sand blast the old paint off the bridge and repaint the bridge without impacting the Manitowoc River. However, this is an extremely important project that will be needed to protect the life of the bridge and the original \$8 million dollar investment in the bridge. The DOT will not fund this project because it is considered maintenance. The annual lift bridge funding that we receive from the DOT for operation and maintenance of the bridge is supposed to be used to finance this project.

#### DOWNTOWN SIDEWALK REPLACEMENT

This plan is for the possible removal and replacement of deteriorated sidewalks in the downtown area. We are looking at the area from Maritime Drive through Chicago Street and

from North 7<sup>th</sup> Street west to North 10<sup>th</sup> Street. We expect that this will be a difficult project to move forward with, since some of the sidewalks will not be defective in accordance with the City's Criteria. Therefore, who will be paying for this project remains unknown. Perhaps, a new assessment policy will be needed to address these types of issues. Perhaps, a 50%/50% split could be an option. This item will require discussion at the Streets and Sanitation Committee at some future date.

#### SRTS SIDEWALKS

Design and preparation of the PS&E documents for the DOT's Safe Routes to School (SRTS) Funded projects on N. 8<sup>th</sup> Street and Michigan Ave is taking place in 2012 and 2013.

The construction of the SRTS projects on N. 8<sup>th</sup> St. and Michigan Ave has allotted \$220,000 in funding for this construction. The City will have to bond for this project, but we will receive 100% revenue (funding) from the DOT's SRTS program. The project must be approved for bidding by June 2014. We anticipate that the construction will be in the summer or fall of 2014.

***STORM SEWER  
IMPROVEMENTS***

**\* \* \* \* \***

***2012 – 2016***

CITY OF MANITOWOC  
 FIVE-YEAR  
 CAPITAL IMPROVEMENT PLAN  
 STORM SEWER IMPROVEMENTS

RESOURCE/COST ANALYSIS

	2012 ACTUAL	2013 REQUESTED	2013 DEFUNDED	2013 BUDGET	2014	2015	2016	TOTAL
ESTIMATED BEGINNING FUND BALANCE	\$0			\$0	\$0	\$0	\$0	
FUNDING SOURCES								
BOND PROCEEDS	\$170,100	\$230,400		\$0	\$190,000	\$460,000	\$297,500	\$1,117,600
OTHER FINANCING SOURCE								\$1,117,600
TOTAL AVAILABLE FUNDS	\$170,100	\$230,400		\$0	\$190,000	\$460,000	\$297,500	
USES BY PROJECT								
ANNUAL STORM SEWER PROGRAM	\$170,100	\$230,400	\$230,400		\$190,000	\$460,000	\$297,500	\$1,117,600
TOTAL PROJECTS	\$170,100	\$230,400	\$230,400	\$0	\$190,000	\$460,000	\$297,500	\$1,117,600
ESTIMATED ENDING FUND BALANCE	\$0			\$0	\$0	\$0	\$0	

NOTE: Estimated Beginning Fund Balance reflects Capital Project Fund reserves only.  
 Costs reflect local share.

## STORM SEWER IMPROVEMENTS

### PROJECT NARRATIVES

There are several storm sewer projects that are expected to be required within the next 6 years. The majority of the work is related to repair and/or relay work associated with concrete or asphalt paving projects. A brief description of the larger projects are listed below.

#### SOUTH 10<sup>TH</sup> STREET

The replacement of the existing storm sewers on South 10<sup>th</sup> Street from Dewey Street to Viebahn Street. The storm sewer work would be completed at the same time as the road reconstruction, which is currently unprogrammed.

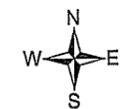
#### NORTH 10<sup>TH</sup> STREET AND SCHOOL STREET

This item is for the possible upsizing of the storm sewer on School St. from N. 8<sup>th</sup> to N. 10<sup>th</sup> St. and on N. 10<sup>th</sup> St. from School Street to Cherry Road. There has been street flooding on Orchard Drive near N. 10<sup>th</sup> St. for many years. This segment of storm sewer will bring a larger pipe closer to the problem area. These projects are currently scheduled for 2015.

# CAPITAL WORKS PROGRAM

2013 - 2017

## SEWER & MISCELLANEOUS IMPROVEMENTS

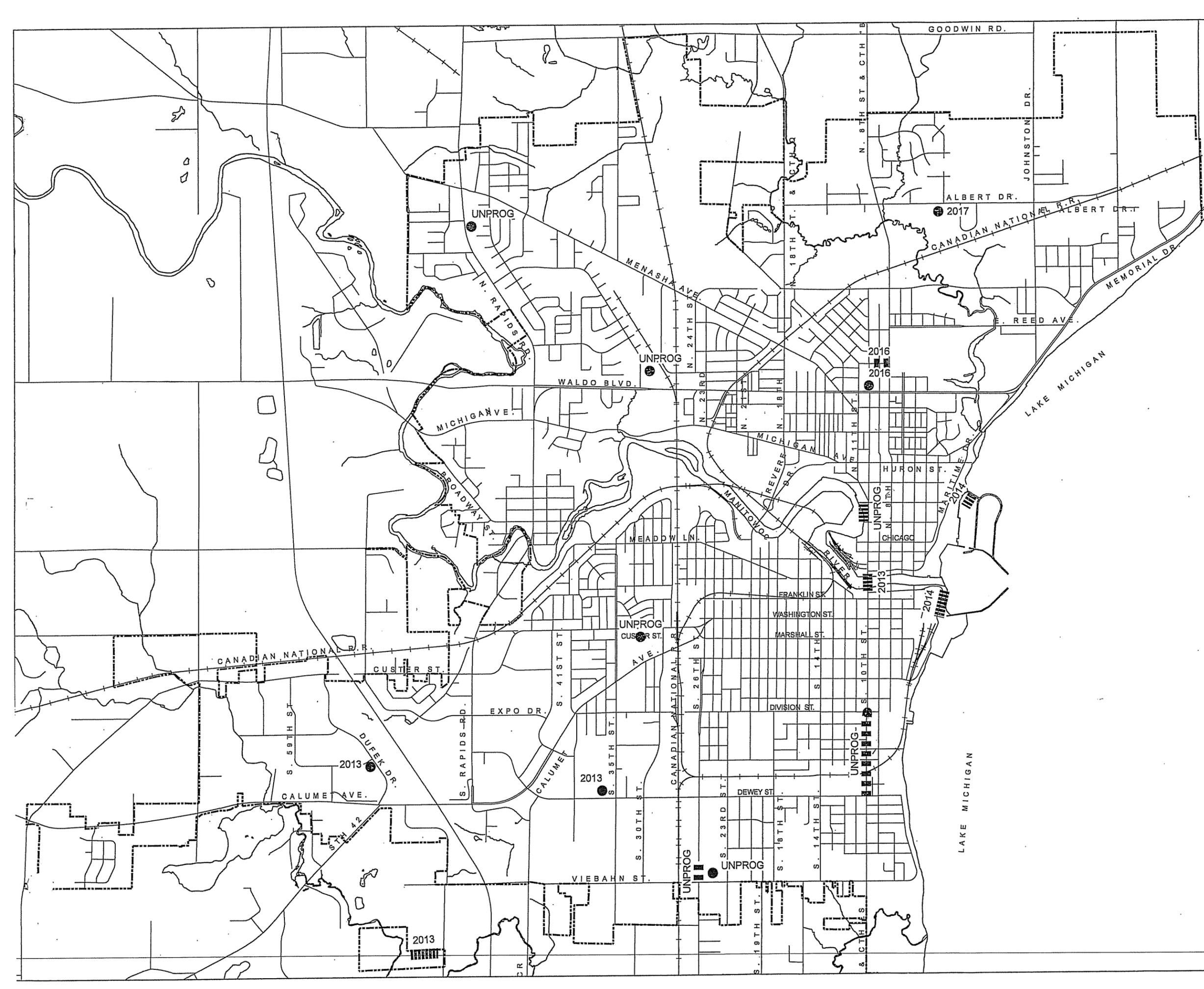


CITY OF MANITOWOC

### LEGEND

- ▬▬▬▬ SEWER
- ▬▬▬▬▬▬ MISCELLANEOUS
- STORMWATER PONDS
- 20XX - YEAR OF CONSTRUCTION

ENGINEERING DEPARTMENT  
 X:\Maps\Engineering\Capital\_Works\_Program\  
 Sewer\_Misc\_Improvements\_Program11x17.mxd



***STORMWATER MANAGEMENT  
PROGRAM***

**\* \* \* \* \***

***2012 – 2016***

**CITY OF MANITOWOC  
FIVE-YEAR  
CAPITAL IMPROVEMENT PLAN  
STORMWATER MANAGEMENT PROGRAM**

RESOURCE/COST ANALYSIS

	2012 ACTUAL	2013 REQUESTED	2013 DEFUNDED	2013 BUDGET	2014	2015	2016	TOTAL
ESTIMATED BEGINNING FUND BALANCE	\$6,900			\$6,900	\$6,900	\$6,900	\$6,900	
<b>FUNDING SOURCES</b>								
BOND PROCEEDS	\$53,700	\$658,950		\$363,481	\$120,000	\$200,000	\$1,160,000	\$1,897,181
OTHER FINANCING SOURCE		\$246,000		\$171,000				\$171,000
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$60,600</b>	<b>\$904,950</b>		<b>\$541,381</b>	<b>\$126,900</b>	<b>\$206,900</b>	<b>\$1,166,900</b>	<b>\$2,068,181</b>
<b>USES BY PROJECT</b>								
MANAGEMENT PLAN	\$51,200	\$51,450	\$20,469	\$30,981	\$50,000	\$150,000	\$50,000	\$332,181
QUALITY PLAN						\$50,000		\$50,000
FLOOD CONTROL								\$0
* N. 11TH & WALDO-WILSON BOWL							\$1,100,000	\$1,100,000
MISC-SOIL BORINGS/PERMITS/	\$2,500							\$2,500
POLLUTION PREVENTION								\$0
POND DESIGN/CONSTRUCTION								\$0
* RED ARROW PARK BIOFILTRATION		\$50,000	\$50,000					\$0
* DEWEY ST- WET POND		\$503,500		\$503,500	\$35,000			\$538,500
* E. OF COPPS (S. OF CUSTER)								\$0
* RHEAUME PARK								\$0
* S. 23RD & VIEBAHN								\$0
* S.W. CORNER DUFEK & WEST		\$300,000	\$300,000		\$35,000			\$335,000
* N. RAPIDS RD @ OLD PINES MOTEL								\$0
* ALBERT DR							\$10,000	\$10,000
POND LAND ACQUISITION								\$0
* S. 10TH ST-S. OF GRAND AVE								\$0
* E. OF COPPS (S. OF CUSTER)								\$0
* S. 23RD & VIEBAHN								\$0
* N. RAPIDS RD @ OLD PINES MOTEL								\$0
* E. ASH AVE & DAISY DR								\$0
<b>TOTAL PROJECTS</b>	<b>\$53,700</b>	<b>\$904,950</b>	<b>\$370,469</b>	<b>\$534,481</b>	<b>\$120,000</b>	<b>\$200,000</b>	<b>\$1,160,000</b>	<b>\$2,068,181</b>
ESTIMATED ENDING FUND BALANCE	\$6,900			\$6,900	\$6,900	\$6,900	\$6,900	

NOTE: Estimated Beginning Fund Balance reflects Capital Project Fund reserves only.  
Costs reflect local share.

## **STORMWATER MANAGEMENT PROGRAM**

### **PROJECT NARRATIVES**

This section details many of the requirements of our DNR WPDES MS-4 Stormwater Discharge Permit pursuant to NR 151 and NR 216. This includes programs such as the Illicit Discharge, Detection & Elimination, Post Construction Stormwater Management, and Pollution Prevention. Other primary projects include the land acquisition for several stormwater detention ponds, design of the ponds and construction of the ponds. This section also has several projects that are flood control or flood related construction projects that include the proposed underground detention at the Wilson Junior High School football field.

***TAX INCREMENT FINANCING  
(T.I.F.)***

**\* \* \* \* \***

***2012 – 2016***

CITY OF MANITOWOC  
 FIVE-YEAR  
 CAPITAL IMPROVEMENT PLAN  
 TAX INCREMENT FINANCING (T.I.F.)

RESOURCE/COST ANALYSIS

	2012 ACTUAL	2013 REQUESTED	2013 DEFUNDED	2013 BUDGET	2014	2015	2016	TOTAL
ESTIMATED BEGINNING FUND BALANCE	\$0	\$0			\$0	\$0	\$0	
TOTAL AVAILABLE FUNDS	\$0	\$0			\$0	\$0	\$0	
USES BY PROJECT								
TIF #17								\$0
* PAVING								\$0
* ROADWAY LIGHTING								\$0
TOTAL PROJECTS	\$0	\$0			\$0	\$0	\$0	\$0
ESTIMATED ENDING FUND BALANCE	\$0	\$0			\$0	\$0	\$0	

NOTE: Estimated Beginning Fund Balance reflects Capital Project Fund reserves only.  
 All costs are TIF eligible costs within existing TIF districts.

## TAX INCREMENT FINANCING (T.I.F.)

### PROJECT NARRATIVES

There are no infrastructure plans for any TIFs at this time.

In 2011, the City of Manitowoc declared two districts to be distressed and created donor and recipient districts. This financial method gives the city a tool for reorganizing the districts to stay open to recoupe revenues for a longer period of time.

***HARBORS AND DOCKS***

\* \* \* \* \*

***2012 – 2016***

CITY OF MANITOWOC  
FIVE-YEAR  
CAPITAL IMPROVEMENT PLAN  
HARBORS & DOCKS

RESOURCE/COST ANALYSIS								
	2012 ACTUAL	2013 REQUESTED	2013 DEFUNDED	2013 BUDGET	2014	2015	2016	TOTAL
ESTIMATED BEGINNING FUND BALANCE	\$0	\$0			\$0	\$0	\$0	
FUNDING SOURCES								
BOND PROCEEDS	\$0	\$0		\$0	\$500,000	\$450,000	\$0	\$950,000
OTHER INCOME								\$0
								\$950,000
TOTAL AVAILABLE FUNDS	\$0	\$0			\$500,000	\$450,000	\$0	
USES BY PROJECT								
MARINA * DREDGING					\$250,000			\$250,000
* MAIN PARKING LOT						\$350,000		\$350,000
CARFERRY								0
* PARKING LOT					\$200,000			\$200,000
* SHORE PROTECTION (RIP RAP)					\$50,000			\$50,000
MANITOWOC RIVER								0
* STEEL SHEETING						\$100,000		\$100,000
TOTAL PROJECTS	\$0	\$0	\$0	\$0	\$500,000	\$450,000	\$0	\$950,000
ESTIMATED ENDING FUND BALANCE	\$0	\$0			\$0	\$0	\$0	

NOTE: Costs reflect local share.

## **HARBORS AND DOCKS**

### **PROJECT NARRATIVES**

This section includes items for repair and maintenance of the Car Ferry and Marina facilities as well as proposed steel sheeting along the Manitowoc River and dredging of the harbor area.

#### **HAP for City Centre, LLC Dockwall Project**

In 2010, The City of Manitowoc entered into a 3 party agreement with the Wisconsin Department of Transportation under their Harbor Assistance Program (HAP) and City Centre, LLC for the construction of a new dockwall as well as dredging the adjacent waterway. This work was completed between 2010 and 2012. Since, completion of the project, it was noted that the barges were damaging the new dockwall area. It was determined that a new fendering system was required in order to protect the dockwall from vessel impacts and mooring forces. In addition, since the removal of the railroad bridge it was noted that 3 pile clusters are needed to protect the existing travel lift platform utilized by City Centre, LLC.

There is still approximately \$600,000 remaining in the HAP grant funds and the DOT has authorized the additions of the fender system and pile clusters. The grant period has also been extended to March 1, 2013.

The construction of new fender system and pile clusters should be completed by the end of 2012.

#### **Marina Facility**

The future plans for the Marina are:

- 2014 Dredging near the Blue Rail Pier \$250,000
- 2015 Overlay the Main Parking Lot \$350,000

#### **Carferry**

The future plans for the Carferry facility are:

- 2014 Whitetopping Parking Lot \$200,000
- 2014 Shore Protection with Rip Rap \$50,000

#### **Manitowoc River**

The future plans for the Manitowoc River are:

- 2015 Steel Sheeting – repair behind the former WF&L Building

***ENVIRONMENTAL  
REMEDiation***

\* \* \* \* \*

***2012 – 2016***

CITY OF MANITOWOC  
FIVE-YEAR  
CAPITAL IMPROVEMENT PLAN  
ENVIRONMENTAL REMEDIATION

RESOURCE/COST ANALYSIS

	2012 ACTUAL	2013 REQUESTED	2013 DEFUNDED	2013 BUDGET	2014	2015	2016	TOTAL
ESTIMATED BEGINNING FUND BALANCE	\$12,133			\$12,133	\$12,133	\$12,133	\$12,133	
<b>FUNDING SOURCES</b>								
BOND PROCEEDS	\$157,000	\$471,000		\$0	\$50,000	\$50,000	\$50,000	\$307,000
OTHER FINANCING SOURCES				\$150,000				\$150,000
TOTAL AVAILABLE FUNDS	\$169,133	\$471,000		\$162,133	\$62,133	\$62,133	\$62,133	\$457,000
<b>USES BY PROJECT</b>								
LEMBERGER LANDFILL	\$121,000	\$121,000	\$21,000	\$100,000	\$0	\$0	\$0	\$221,000
GRAVEL PIT	\$36,000	\$350,000	\$300,000	\$50,000	\$50,000	\$50,000	\$50,000	\$236,000
S 18TH & FLAMBEAU ST								\$0
TOTAL PROJECTS	\$157,000	\$471,000	\$321,000	\$150,000	\$50,000	\$50,000	\$50,000	\$457,000
ESTIMATED ENDING FUND BALANCE	\$12,133			\$12,133	\$12,133	\$12,133	\$12,133	

NOTE: Estimated Beginning Fund Balance reflects Capital Project Fund reserves only.  
Costs reflect local share.

## ENVIRONMENTAL REMEDIATION

### PROJECT NARRATIVES

#### LEMBERGER LANDFILL

The City of Manitowoc contracted with the owners of the Lemberger Landfill to dispose of waste originating in the City between December, 1971 and the closing of the site in the Fall of 1976. In 1985, the Environmental Protection Agency investigated the site and placed it on the National Priorities List for cleanup under Superfund. The City of Manitowoc, as well as other municipalities and private industries were named by EPA as potentially responsible parties.

In 1989, the EPA conducted a Remedial Investigation/Feasibility Study ("RI/FS") to determine the remedy required to clean up the site. The remedy selected by EPA to clean up the Lemberger Landfill and associated LTR Site is estimated to cost approximately \$30,000,000. After it conducted the RI/FS, the EPA sent notice letters to the potentially responsible parties ordering them to implement the proposed clean up. The City of Manitowoc and ten other parties entered into a Consent Decree with EPA to perform the required environmental remediation.

The City and the other ten parties entered into an agreement establishing the estimated share of clean up costs to be borne by each party. The City's share was originally estimated at \$3,600,000. This share could increase if the projected cleanup costs have been underestimated. On the other hand, this share could decrease as other parties agree to participate in the cleanup or if costs have been overestimated. As of this time, the \$30,000,000 estimate appears valid.

The City has expended approximately \$4,144,998 of its share through August 2011. Smaller annual contributions will be required to pay for the cost of groundwater treatment approximately through the year 2013 if we are granted the approval from EPA and DNR to do natural attenuation. We are still working to receive approval by the EPA and DNR to try natural attenuation at the Lemberger sites. Unfortunately, with the change in project managers under both the EPA and DNR, we are still in negotiations for said approval and have been continuing to expend money to meet their demands. If the approval is finally received, our costs will be greatly reduced.

2011 assessments through August applied to the City of Manitowoc are in the amount of \$44,200. That represents assessments in the approximate amounts of \$5,525 per month. We expect that trend to continue. Any capital improvements at the site would be in addition to these assessments.

#### NEWTON GRAVEL PIT SITE

With the knowledge of the City of Manitowoc, at least five or six local industries deposited solvents and other materials at the City owned gravel pit in the adjoining Town of Newton during the 1960's. In 1991, the Wisconsin Department of Natural Resources ordered the City of Manitowoc to conduct an investigation of the site to determine the presence of any hazardous substances and the nature of any threat to public health. The City initially hired an engineering firm to conduct tests of surrounding drinking wells. These tests showed that no unusual hazardous substances were present and there was no danger to the surrounding drinking water wells.

In 1996, the City entered into an agreement with local industries who contributed waste at the site to participate in the cleanup. Under the terms of the settlement, the City would assume 32.5% of the cleanup costs. The City has received \$69,800 in 1997 from the initial agreement with the generators. It is now anticipated that the City will not receive any additional revenue per the agreement.

The City's engineering consulting firm sent its investigation of contamination and remedial action plan to the DNR in 1996. In 1999, the DNR responded by requesting more investigation. In 2009, the City has received official approval from the DNR for its remedial action plan. It is anticipated that total clean up costs, including engineering fees expended to date, will total approximately \$1,200,000. The City has already expended \$675,801 of this amount.

The removal of the free product recovery could take anywhere from a year to about three years at an initial cost of \$360,000. Thereafter, the monitoring of the chlorinated substances would add an additional \$45,000 per year. It appears that same dollar amount will be needed for the next four years of product recovery. These amounts are from a consultants estimate given to the City in 2009.

No remediation efforts have started to date. The City of Manitowoc has hired a consultant to draft plans and specifications for the remediation project. We are hoping that the DNR will permit the City to cap the site with concrete or asphalt, fence the area and deed restrict this area. It will also require annual monitoring for a while. We are hoping to get site closure within the next 5-6 years.

#### SOUTH 18<sup>TH</sup> ST/FLAMBEAU ST

This item is for the environmental investigation and testing at South 18<sup>th</sup> and Flambeau Street. The DNR named the City of Manitowoc as the responsible party (RP) for this previously private issue. The City has retained the services of AECOM to do the necessary testing and reporting to the DNR. Additional money is needed in 2011 for additional testing and monitoring. The project has received approval as a PECFA eligible project. The deductible is \$10,000. PECFA funding will pay for the eligible costs beyond the first \$10,000.

***BUILDINGS  
AND GROUNDS***

**\* \* \* \* \***

***2012 - 2016***

**CITY OF MANITOWOC  
FIVE-YEAR  
CAPITAL IMPROVEMENT PLAN  
BUILDINGS AND GROUNDS / PARKS**

RESOURCE/COST ANALYSIS

	2012 ACTUAL	2013 REQUESTED	2013 DEFUNDED	2013 BUDGET	2014	2015	2016	TOTAL
ESTIMATED BEGINNING FUND BALANCE	\$0			\$0	\$0	\$0	\$0	
<b>FUNDING SOURCES</b>								
CAPITAL PROJECTS LEVY	\$0	\$0		\$0	\$0	\$0	\$0	\$0
BOND PROCEEDS	\$290,000	\$290,000		\$254,000	\$530,000	\$475,000	\$675,000	\$2,224,000
TOTAL AVAILABLE FUNDS	\$290,000	\$290,000		\$254,000	\$530,000	\$475,000	\$675,000	\$2,224,000
<b>USES BY PROJECT</b>								
CITIZEN PARK * AQUATIC CENTER * TENNIS COURTS * TEAM SPORTS IMPROVEMENTS					\$40,000			\$0 \$40,000 \$0 \$0
LINCOLN PARK * ZOO EXHIBITS - DEER PEN * TENNIS COURTS * FIELDHOUSE FLOORS * PATHWAYS OVERLAYS * ROADWAY OVERLAYS * REED AVENUE PARKING LOT * WATERMAIN LOOP * ELECTRIC POWER * FIELDHOUSE ROOF & CEILING	\$40,000	\$0 \$30,000		\$25,000 \$30,000	\$400,000	\$60,000 \$35,000 \$80,000	\$400,000 \$175,000 \$100,000	\$0 \$25,000 \$60,000 \$30,000 \$40,000 \$835,000 \$80,000 \$175,000 \$100,000 \$0
UNION PARK * TENNIS COURT REMOVAL * TENNIS COURT INSTALLATION (2) * COMMUNITY GARDEN								\$0 \$0 \$0
INDIAN CREEK PARK * PARK DEVELOPMENT		\$25,000		\$25,000				\$0 \$25,000
RED ARROW PARK * ROADWAY RECONSTRUCTION * BEACH * BALL DIAMOND & SOCCER FIELD * TENNIS COURTS	\$200,000	\$60,000 \$20,000 \$80,000		\$60,000 \$20,000 \$80,000		\$250,000		\$0 \$260,000 \$20,000 \$250,000 \$80,000
FLEETWOOD PARK * TENNIS COURT RESTORATION					\$40,000			\$0 \$40,000
DALE STREET PARK * OPEN AIR SHELTER * TENNIS COURT RESTORATION								\$0 \$0 \$0
SCHUETTE PARK * LOWER TRAIL REPAIRS * STAIRWAY					\$50,000	\$50,000		\$0 \$50,000 \$50,000
SILVER RIDGE SUBDIVISION * PARK DEVELOPMENT		\$50,000	\$36,000	\$14,000				\$0 \$14,000
MARINERS' TRAIL * TRAIL REPAIRS	\$50,000							\$0 \$50,000
OTHER CAPITAL IMPROVEMENTS * BEACHES - BLUE RAIL		\$25,000	\$25,000					\$0 \$0
TOTAL PROJECTS	\$290,000	\$290,000	\$61,000	\$254,000	\$530,000	\$475,000	\$675,000	\$2,224,000
ESTIMATED ENDING FUND BALANCE	\$0			\$0	\$0	\$0	\$0	

NOTE: Estimated Beginning Fund Balance reflects Capital Project Fund reserves only.  
Costs reflect local share.

## PARK AND RECREATION

### PROJECT NARRATIVES

The City of Manitowoc's Park system has suffered from a comparative capital spending drought and from competition with the construction of the major new Park facility, the Manitowoc Family Aquatic Center. After the Department's merger with the Department of Public Works in 2011, a more integrated approach to capital investment will take place and more tightly integrate investment in the City's park system with the overall capital plans of the city.

In keeping with recent Mayoral objectives, investment will be made on a park by park basis. While there will always be some general maintenance investment on a system wide basis to mitigate storm damage, vandalism, and basic playground equipment maintenance, the lion's share of allocated funds will be devoted to a specific park in any given year. This concentration of effort will enable the department to undertake some of the larger projects delayed by other needs.

#### Blue Rail Beach

Beach Grooming and erosion control are scheduled for this area. Construction of a gravel small craft launching area and storm water run-off control will be the subject of several grant applications. The City portion of these grants is expected to be 50% of the total cost. We are hoping for construction to occur in 2013

#### Citizens Park

The armory building at Citizens Park will continue to be used for recreation programs and will need a new HVAC system as well as ADA restrooms, gymnasium window replacement and other improvements. The Friends of the Citizens Park Armory Group have been fundraising in order to fund the 50% match from the City. The Building Expenses will be assigned and scheduled through the Buildings and Grounds Department. Construction is currently scheduled for 2013.

We anticipate resurfacing the 4 tennis courts in Citizens Park in 2014. This is a more complicated project since these tennis courts are located on top of the cover of the MPU's water storage tank. MPU will likely contribute to the cost of a special membrane over the concrete cover and we will continue to investigate US Tennis Association grant funding for the epoxy paint and lines portion of this project.

#### Dale Street Park

After the demolition and removal of the tennis courts at Dale Street, an open air shelter will be constructed in 2017 for the use of park patrons. This shelter will be added to the inventory of shelters available to be rented.

#### Dewey Street Park

Expansion of the existing skateboard park is planned. This will be a public-private enterprise with the timing to be determined by the fundraising success of the local skateboard enthusiasts. The concession stand at the park has been added to the rental facility inventory and demand may require some updating and refurbishment of the facility. This is currently unprogrammed.

### **Fleetwood Park**

We intend to resurface and repaint the 2 tennis courts in 2014. A new open air shelter is planned for construction in 2017. This shelter will be added to the inventory of shelters available for rent. The playground equipment will be evaluated and may be expanded as part of the annual playground equipment rehabilitation program.

### **Indian Creek Park**

The addition of the disc golf park in Indian Creek Park has increased usage. A new pedestrian bridge crossing the Little Manitowoc River on the far southeast corner of the park is scheduled for construction in 2013. Open air shelters will be added to the park at some time in the future, however they are currently unprogrammed. Partnership with local disc golf enthusiasts will aid in the development of this park.

### **Lincoln Park**

The flooring in the Field House is scheduled for replacement in 2013. In 2014 the emphasis of the Parks capital program will shift to the facilities in this park. For 2014, reconstruction of the south loop park roadways will begin. This is expected to be spread over two years due to the size of the park road system. For each year of 2014 and 2016, \$400,000 will be allocated for these roadway improvements. We also intend to mill, overlay and repaint the 8 tennis courts in the park in 2015. In order to provide better fire protection and water pressure to the park and zoo areas, we are proposing to budget money in 2016 for extending a water main between N. 8<sup>th</sup> Street and Reed Ave. We are also proposing to upgrade electric service within the park and zoo with the extension of new power from N. 8<sup>th</sup> St. to Reed Ave. in 2016. There are also proposed plans to establish camping areas within the park. However, those plans are currently unprogrammed.

### **Lincoln Park Zoo**

For 2013, continued incremental improvements will be made to the Lincoln Park Zoo. The priority in the zoo is the construction of new exhibit areas that can house an expanding animal population. Improvements are being made to better display existing animals and to create an area where the animals can receive needed veterinary care. Plans for 2013 include the construction of a new wolf habitat and a deer habitat. The Reed Ave. Parking Lot is currently scheduled for asphalt paving in 2015. We would also like to grade, gravel and pave the walkway/access road from the Reed Ave. parking lot to the concession stand in 2015. This is a major access route for garbage trucks and other maintenance vehicles and as such will require a thicker pavement than the other walkways within the park.

Work planned for the Lincoln Park Zoo will be accomplished via a public-private partnership with the Lincoln Park Zoological Society. As new exhibits become available, pen and animal enclosures will require modifications to suit the new tenants. Currently \$20,000 is budgeted for 2013 for exhibit updates and this amount will be supplemented with private funds and by donations from Zoo admissions.

### **Mariners Trail**

The Friends of the Mariners Trail (FOMT) Group has requested the City to improve two sections of the trail. The first section is located from E. Reed Ave. to approximately 800 feet south. The group would like the trail to be wider and further away from the roadway. The second section would be the re-routing of the trail around the wayside parking lot south of Waldo Blvd. These projects are tentatively scheduled for construction in 2017. The City would possibly build these

projects sooner if the FOMT group is willing to cost share on the projects as they have done in the past.

### **Red Arrow Park**

Red Arrow Park is home to two ball fields, a playground, a concession stand and four restrooms, picnic areas and open air shelters, and four tennis courts. It also contains the City's largest public beach. While existing structures will be re-furbished and maintained, the major work will be a complete reconstruction of the access road and parking areas within the park. Settling and unrepaired cracks have damaged the road and bed. The roadway is scheduled for a complete reconstruction and the installation of curb and gutter. The curb will give us greater control of the run-off from the parking lot and should control erosion on the beach. In addition, 3 Bio-Infiltration basins are planned for the area to deal with treatment of the stormwater runoff. The City has been working with the Bay Lakes Regional Plan Commission and Miller Engineers to obtain funding under the Great Lakes Restoration Initiative to provide funding for bio-infiltration basins. It appears that we have received construction funding for this improvement to be completed in 2013.

We are also planning to mill, overlay and repaint the 4 tennis courts in 2013. We are pursuing a US Tennis Association grant to assist with funding this improvement.

The total investment for all of these improvements is approximately \$450,000.

### **Schuette Park**

A new stairway from upper Schuette Park to the lower park area is scheduled for construction in 2014. By the end of 2015 we expect to complete refurbishment of the trails through the lower park area. New trail surfaces will require the largest investment while the equipment at the exercise stations throughout the trail system will be added as possible using funds from the annual equipment replacement budget. As the trails are reconstructed, opportunities will be presented to the community to "adopt" a station, possibly offsetting the funds needed to replace the equipment.

### **Silver Ridge Park**

The City continues to work with the developer of the subdivision and the neighborhood to develop the park. The current plan is to get the park area seeded in the fall of 2012. The neighborhood would like to have some playground equipment installed. The developers are willing to donate some money for the improvements, and would like the City to participate as well and get the park developed for the neighborhood. We have tentatively scheduled the construction of a restroom and open air shelter for 2017.

### **Union Park**

The tennis courts and hard surfaces were removed in 2011. The area was seeded and will be maintained as open green space.

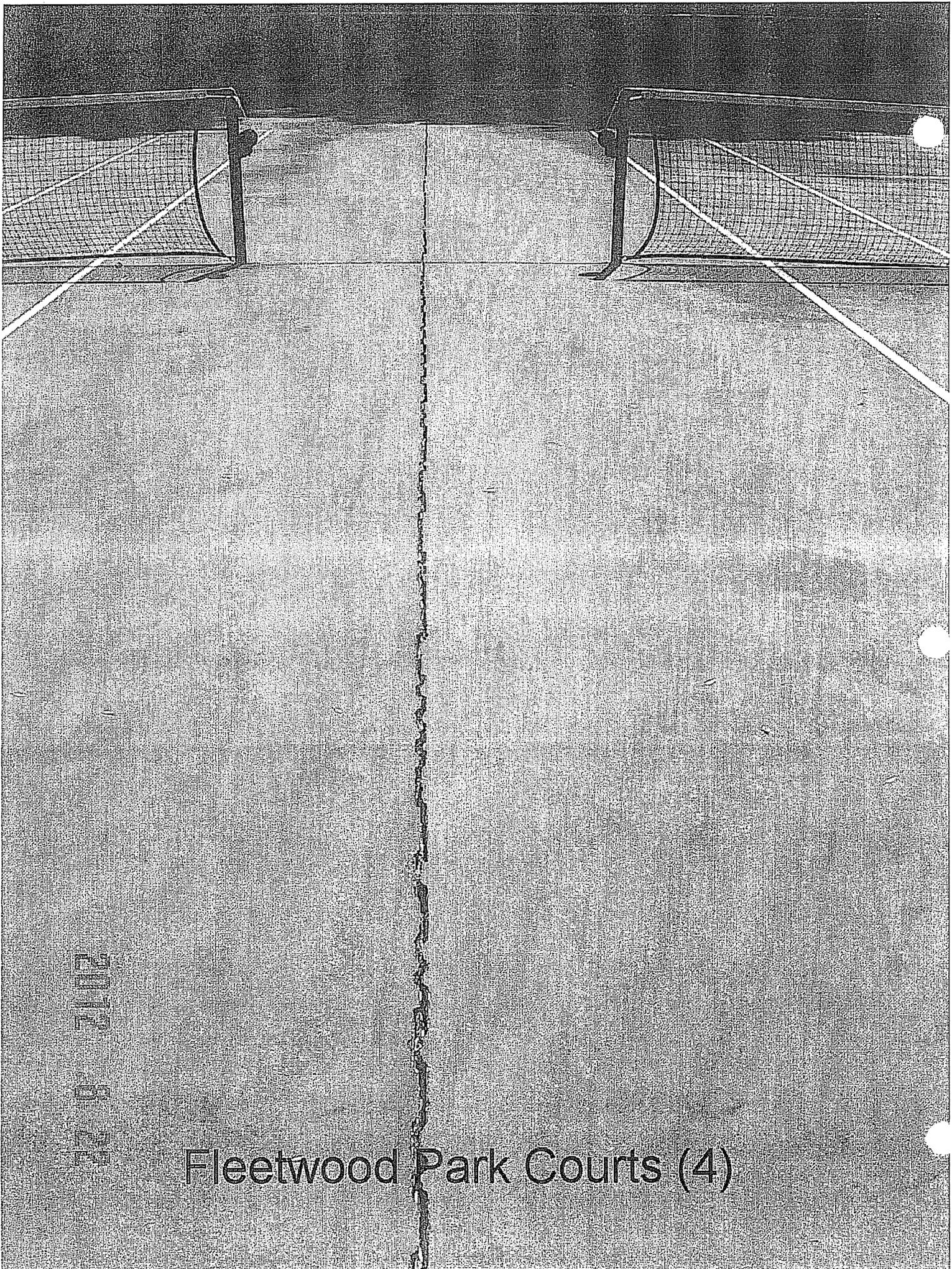
### **Other Capital Improvements**

An annual replacement program will begin to upgrade and replace the equipment in the various playground areas in order to achieve compliance with ADA and other necessary safety requirements.

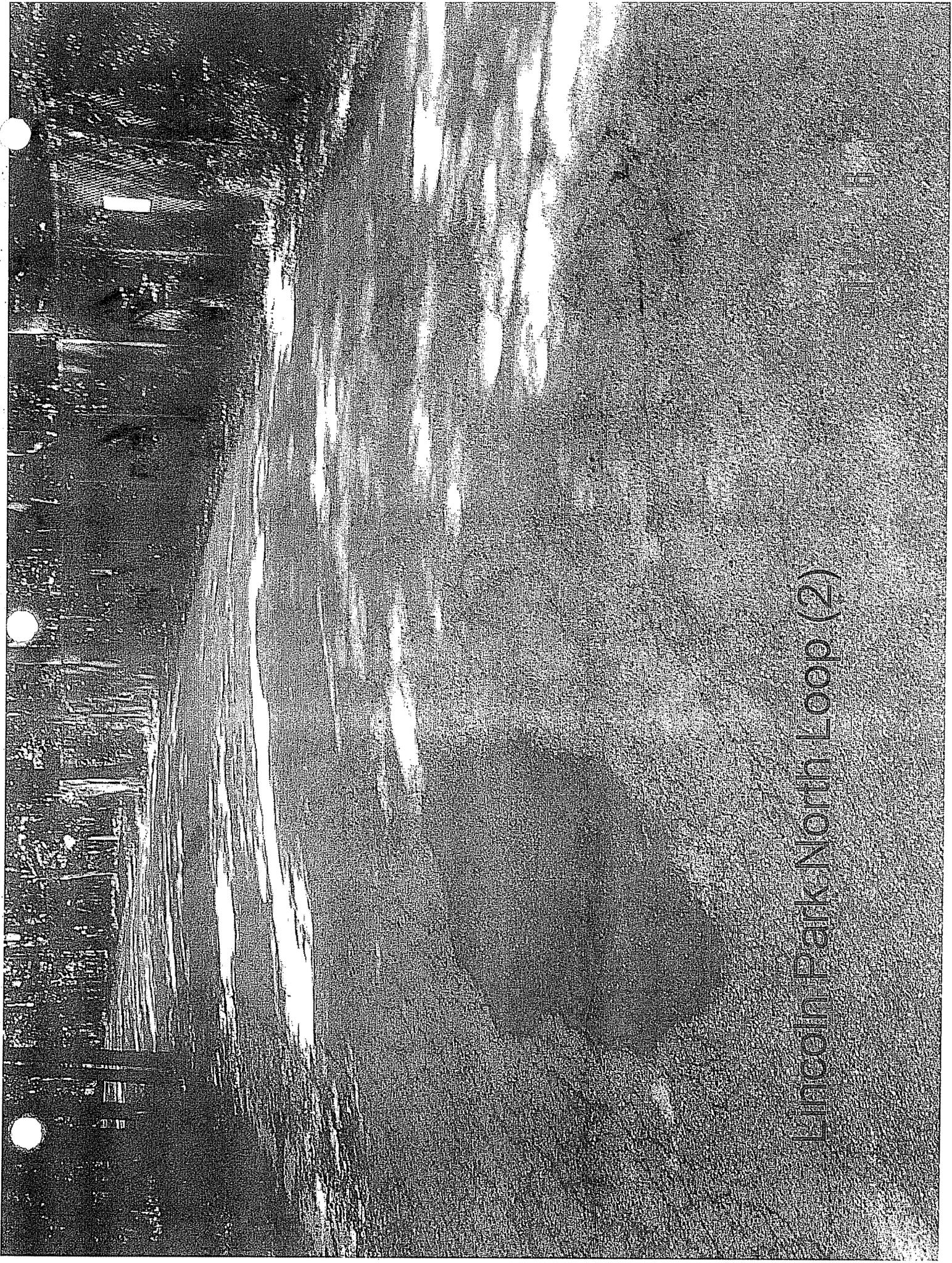


Citizen Park Tennis Courts (2)

2012 11 24



Fleetwood Park Courts (4)



Lincoln Park North Loop (2)

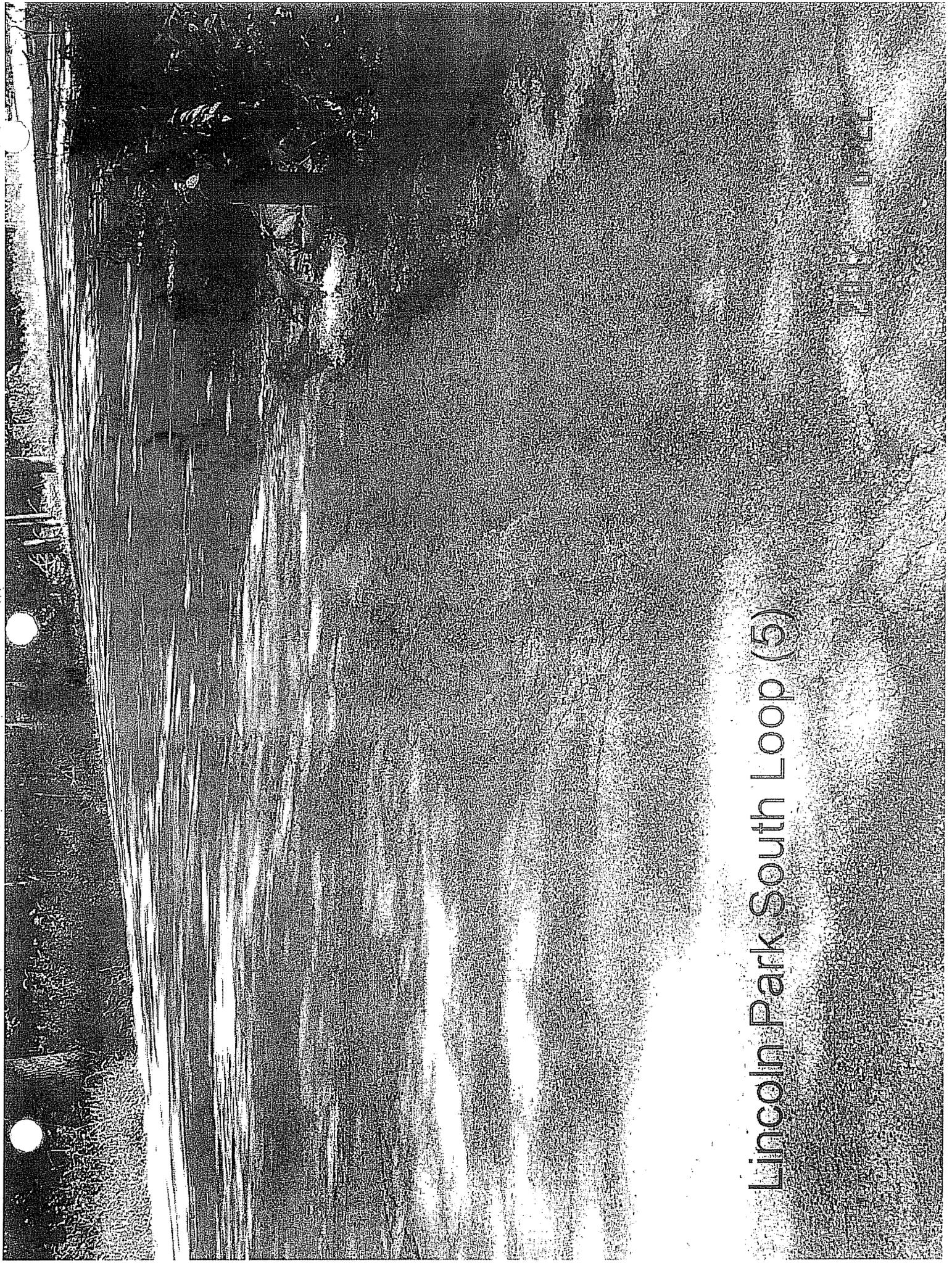


Lincoln Park North Loop (3)



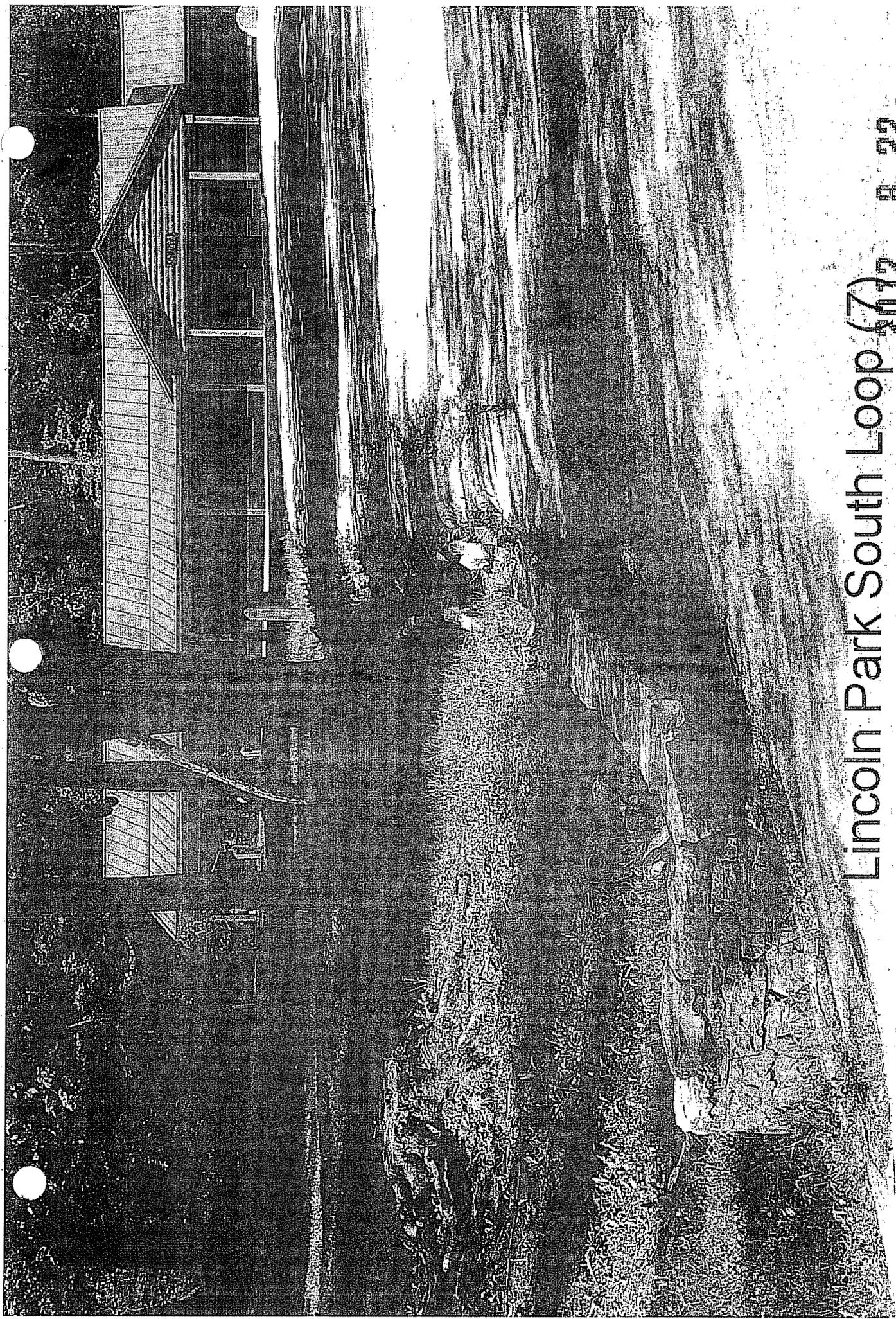
Lincoln Park South Loop (2)

10/11/11

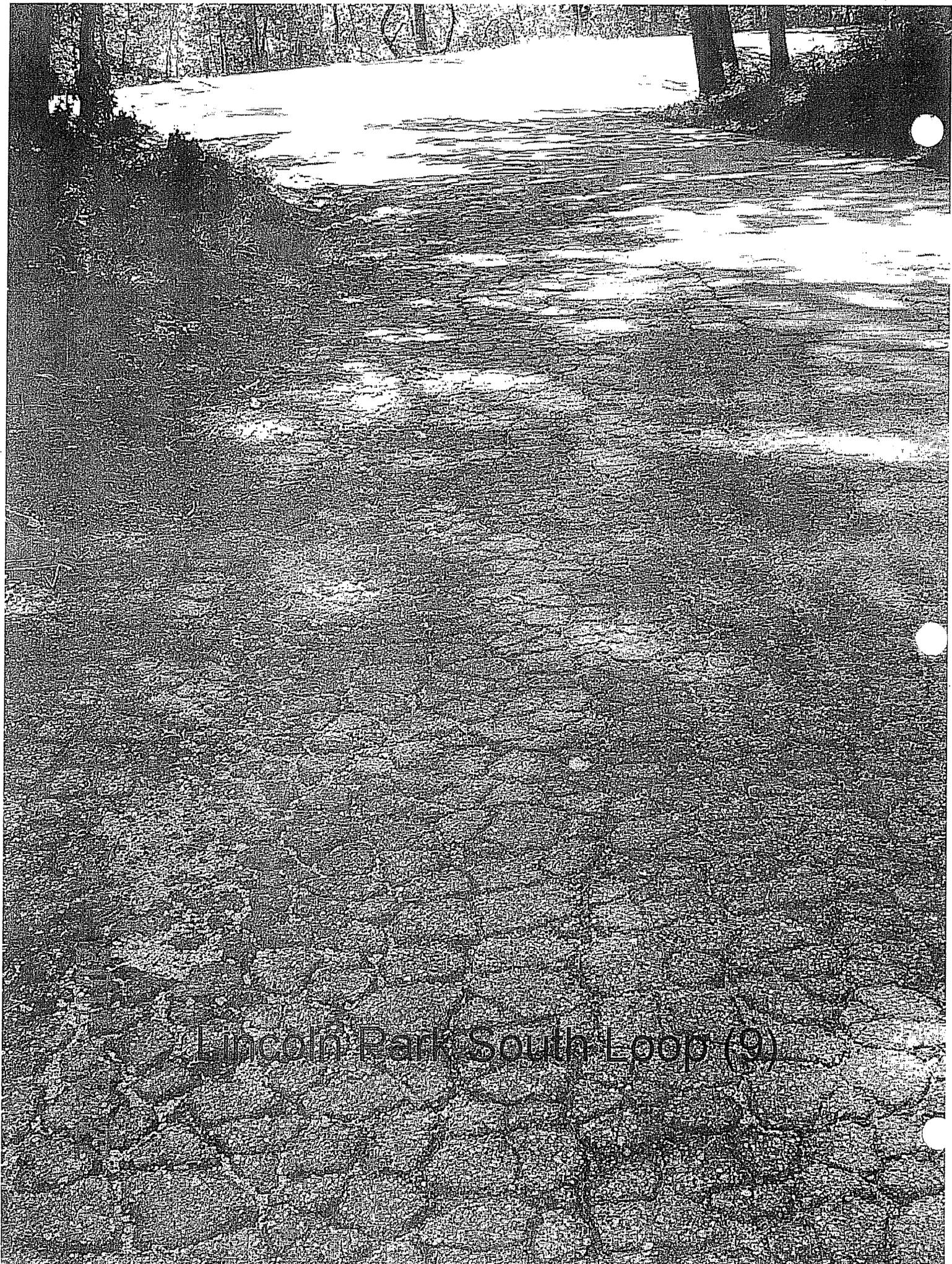


Lincoln Park South Loop (5)

CHICAGO



Lincoln Park South Loop (7) 8 22



Lincoln Park South Loop (9)



Lincoln Park Zoo Reed Ave (6)

100

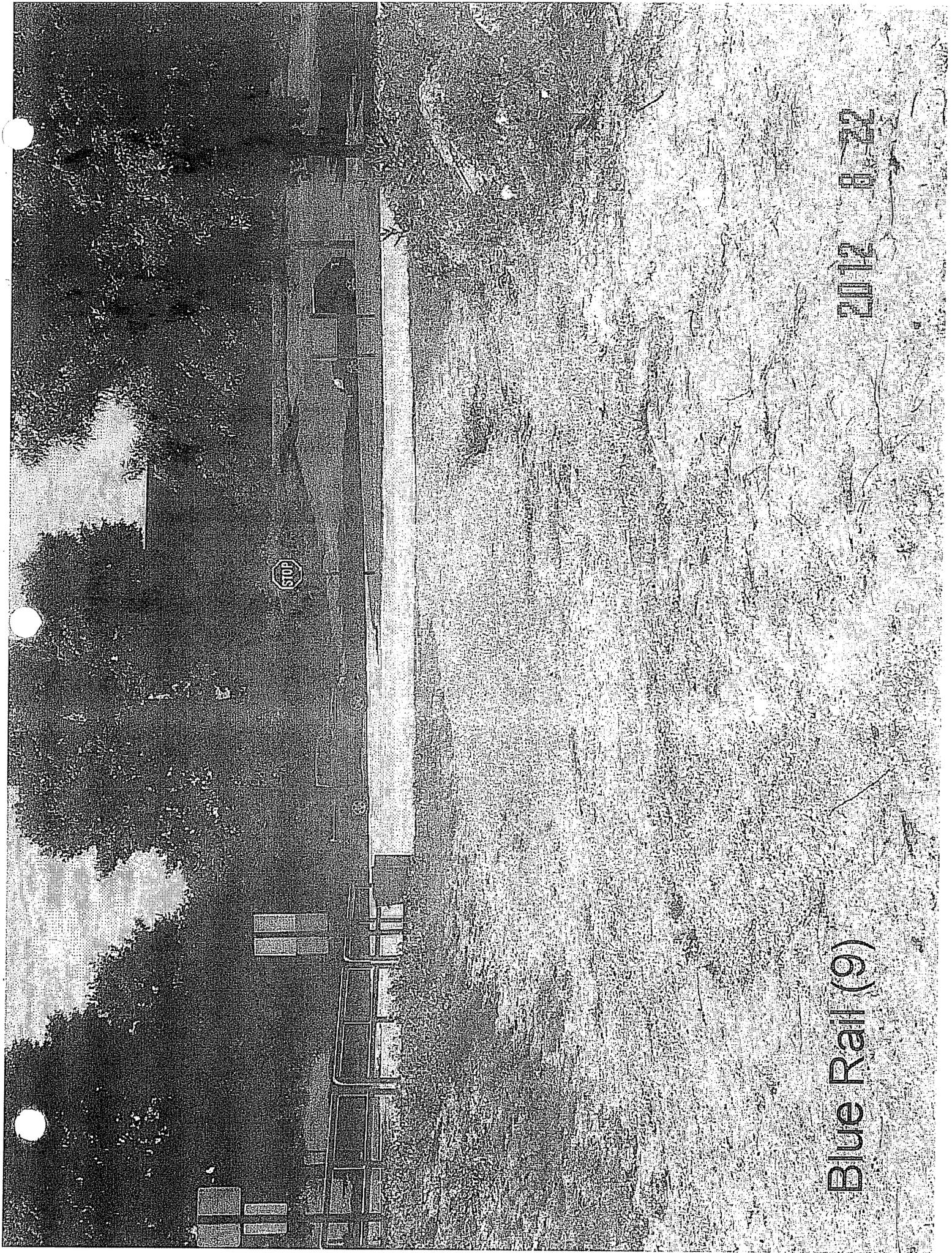


Red Arrow Park Parking Lot

2012 7 11



Schuhle Park (4)



Blue Rail (9)

2012 8 22



Blue Rail (4)

Blue Rail

**CITY OF MANITOWOC  
FIVE-YEAR  
CAPITAL IMPROVEMENT PLAN  
BUILDINGS AND GROUNDS / OTHER**

**RESOURCE/COST ANALYSIS**

	2012 ACTUAL	2013 REQUESTED	2013 DEFUNDED	2013 BUDGET	2014	2015	2016	TOTAL
ESTIMATED BEGINNING FUND BALANCE	\$156,355			\$156,355	\$156,355	\$156,355	\$156,355	
<b>FUNDING SOURCES</b>								
CAPITAL PROJECTS LEVY	\$66,663							\$66,663
BOND PROCEEDS	\$240,000	\$315,800			\$37,750	\$60,000	\$0	\$337,750
OTHER FINANCING SOURCES				\$300,000				\$300,000
TOTAL AVAILABLE FUNDS	\$463,018	\$315,800		\$456,355	\$194,105	\$216,355	\$156,355	\$704,413
<b>USES BY PROJECT</b>								
CITY HALL								0
* PARKING LOT								0
* SIGNAGE FOR DEPARMENTS								\$0
BUILDINGS AND GROUNDS								0
FIRE								0
*FIRE SPRINKLER SYSTEM STN NO 1								\$0
*FIRE SPRINKLER SYSTEM STN NO 2								\$0
*EXHAUST CAPTURE SYSTEM ST NO 2								\$0
*RENOVATE STATION 1		\$13,000	\$13,000					\$0
*EXHAUST CAPTURE SYSTEM ST NO 4								\$0
*STORAGE BUILDING STATION 4								\$0
*REPLACE CARPET - STATION 1								\$0
* NEW HEAR STATION - SOUTHWEST								\$0
*NEW STATION W/TRAINING CENTER								\$0
DPW								\$0
POLICE								\$0
CEMETERY								\$0
RAHR WEST								\$0
* PARKING LOT		\$2,800	\$2,800					\$0
* MANSION IMPRV								\$0
CITIZEN PARK BLDG								0
*BUILDING IMPROVEMENTS	\$150,000	\$14,400		\$14,400				\$164,400
*HVAC		\$170,000		\$170,000				\$170,000
*ADA		\$56,600		\$56,600				\$56,600
*EXTERIOR BUILDING - SIDING		\$19,000		\$19,000				\$19,000
*EXTERIOR BUILDING-WINDOWS		\$9,000		\$9,000				\$9,000
* EXTERIOR BUILDING - ROOF		\$31,000		\$31,000				\$31,000
*INTERIOR BUILDING -CARPET					\$12,750			\$12,750
SAFETY BUILDING								0
*DUCT HEATING UNIT								\$0
*REMODEL EVIDENCE STORAGE						\$60,000		\$60,000
*OUTDOOR RANGE BUILDING					\$25,000			\$25,000
*REPLACE ROOF	\$90,000							\$90,000
ECONOMIC DEVELOPMENT SIGN PROGRAM	\$66,663							\$66,663
TOTAL PROJECTS	\$306,663	\$315,800	\$15,800	\$300,000	\$37,750	\$60,000	\$0	\$704,413
ESTIMATED ENDING FUND BALANCE	\$156,355			\$156,355	\$156,355	\$156,355	\$156,355	

NOTE: Estimated Beginning Fund Balance reflects Capital Project Fund reserves only.  
Costs reflect local share.

# **BUILDINGS AND GROUNDS**

## **PROJECT NARRATIVES**

### **ASSESSOR:**

#### **CITY-WIDE REVALUATION**

A city-wide revaluation was started in June, 2006 and completed in August 2007. This was a full revaluation that included exterior and interior inspections because the confidence in the accuracy of the property records was lost. The next city-wide revaluation is not scheduled, however now that there is confidence in the property record system, all that is needed is professionally performed valuation updating. The next city-wide revaluation is estimated to cost \$500,000.

### **FIRE DEPARTMENT:**

#### **FIRE SPRINKLER SYSTEM STATION 1 & 2**

The wisdom of protecting public buildings from loss due to fire has been incorporated into all new public buildings, including City Hall, the Library, the DPW building, and Fire Stations 3 and 4. We are able to retrofit and provide the same level of protections for Stations 1 and 2.

#### **RENOVATE STATION 2**

Station 2 is slowly deteriorating and in need of a few renovations. The building has asbestos tile that will need to be removed and replaced. The sleep room will be replaced with carpet and the rest will be replaced with a durable floor overlay of linoleum. The back parking lot needs to be seal coated and some new blacktop construction. The garage needs to be cleaned of all diesel soot and then painted over. The sleep quarters and general living area also needs a painting. The front driveway and apron needs to have the concrete removed and then replaced.

#### **STORAGE BUILDING STATION 4**

The department is very short of space for our special-function trailers. We have crammed them into Station 4. Included are the Mass Casualty, hazmat spill-control trailer, Domestic Preparedness, Ranger 4x4 trailer and the Survive-Alive trailer. The department has received federal funding for a domestic preparedness/EMS trailer, which carries all of the large-incident equipment. While they are welcome additions to our capabilities to handle major incidents and other special-rescue calls, the department needs to plan for additional garage space.

### **SAFETY BUILDING:**

#### **OUTDOOR RANGE EQUIPMENT AND IMPROVMENTS**

This is a single stall vinyl sided garage estimated to be over 50 years old. It was roofed about 20 years ago. The shed was put on a new concrete slab when it was moved to its present location. The building is presently used to store range and training equipment. The roof and siding need to be replaced due to age, water, and hail damage. The firing range needs a new target system that includes firing pads and multiple movable steel targets.

## EVIDENCE STORAGE

Recent changes to state law require holding evidence for some crimes up to 30 years. Evidence storage space has been at a premium as the police department evidence storage needs out grew the original building design. Water damage to short term storage solutions put evidence at risk in the past. The rains in July of 2010 found their way into the below grade evidence storage room where mold was discovered in the below grade storage room walls. The mold poses a health risk to employees in addition to the risk of compromising evidence.

## PARKS, RECREATION/ SENIOR CENTER, CITY HALL & RAHR WEST BUILDINGS:

### CITIZEN PARK BUILDING (ARMORY)

#### **HVAC Replacement**

**Year ~ 2013 Cost ≈ \$170,000**

The existing boiler is original to this 1939 building. The steam traps have not been maintained well and at least one of the large air handlers in the gym area is in dis-repair. The replacement system will use a high efficiency hot water boiler rather than steam. New distribution piping will replace the steam and condensate lines. New terminal devices will be used to replace the cast iron radiators. All asbestos in affected areas will be properly abated. New gas fired heating units will be installed in the gym area.

#### **ADA Projects**

**Year ~ 2013 Cost ≈ \$56,600**

The existing bathrooms are not ADA compliant. A new fully accessible public rest room will be constructed off the lobby in the area of the former Assistant Parks Directors Office. \$25,000

Exits. The required exits are not accessible. Other exits do not have code compliant exit components. New doors, steps, and hardware are necessary. \$24,200

Interior stair railings. The two stair railings are dangerous and need to be replaced. \$6,100.

#### **Partial Siding Replacement**

**Year ~ 2013 Cost ≈ \$19,000**

The beat-up bottom portion of the steel siding on the west addition will be replaced with split block.

#### **Window Replacement**

**Year ~ 2013 Cost ≈ \$9,000**

The windows that need to be replaced are original single pane glass. Many are rotten and in disrepair. Nine windows will be replaced to conserve energy and enhance appearance.

#### **Partial Roof Replacement**

**Year ~ 2013 Cost ≈ \$31,000**

The ring of asphalt shingles are in bad shape and needs to be replaced. The roof over the 1991 addition has experienced leaks and needs to be replaced.

#### **Carpet Replacement**

**Year ~ 2014 Cost ≈ \$12,750**

The carpeting in the inner hallway and around the roller rink shack needs to be replaced. (\$4.25 per square foot).

## CITY HALL

#### **Project ~ Reseal Parking Lot**

**Year ~ 2015 Cost ≈ \$4,725**

Repair/reseal/repaint parking lot.

## RAHR-WEST ART MUSEUM

#### **Project ~ Partial Parking Lot repair**

**Year ~ 2013 Cost ≈ \$2,800**

The north parking lot and the entrance to 8<sup>th</sup> street need to be repaired and re-sealed.

**Project ~ Boiler Replacement**

**Year ~ 2014 Cost ≈ \$60,400**

The boiler that heats the 1975 addition is original to the building. It is estimated to be about 70% efficient. These boilers have a life expectancy of 30 – 40 years; therefore it's prudent to schedule its replacement. A new hot water boiler and associated equipment, controls, and piping will be installed.

**Project ~ Exterior Paint**

**Year ~ 2014 Cost ≈ \$18,000**

The mansion will need to be painted and some wood shakes need to be repaired/replaced.

**Project ~ Carpet Replacement**

**Year ~ 2015 Cost ≈ \$36,135**

The carpeting in the galleries needs to be replaced. (\$4.25 per square foot).

**SENIOR CENTER**

**Project ~ Boiler Replacement**

**Year ~ 2015 Cost ≈ \$60,400**

The boiler is original to the 1978 building. It is estimated to be about 70% efficient. These boilers have a life expectancy of 30 – 40 years; therefore it's prudent to schedule its replacement. A new hot water boiler and associated equipment, controls, and piping will be installed.

**ECONOMIC DEVELOPMENT CORPORATION:**

The cities of Manitowoc and Two Rivers, along with Manitowoc County, were parties to a 3-year, 2004 "Services Agreement", whereby these "Municipalities" were agreeing to provide not more than 50 per cent of the EDC'S annual operating budget. The City met its disbursement obligations to the EDC by the issuance of payments to that body in the amount of \$82,200 in 2005, 2006 and 2007. On May 7, 2007, the City Council adopted a resolution reaffirming its continued financial support of the EDC at \$66,663 for the 2008-2010 periods. This agreement was renewed for another 3 year period beginning in 2011. In the agreement, it was stipulated that if a party intended to opt out, they would need to notify all parties by October that they would no longer participate in subsequent years.

***MACHINERY AND  
EQUIPMENT***

**\* \* \* \* \***

***2012 – 2016***

**CITY OF MANITOWOC  
FIVE-YEAR  
CAPITAL IMPROVEMENT PLAN  
MACHINERY AND EQUIPMENT**

**RESOURCE/COST ANALYSIS**

	2012 ACTUAL	2013 REQUESTED	2013 DEFUNDED	2013 BUDGET	2014	2015	2016	TOTAL
ESTIMATED BEGINNING FUND BALANCE	\$201,148			\$201,148	\$201,148	\$201,148	\$201,148	
<b>FUNDING SOURCES</b>								
CAPITAL PROJECTS LEVY	\$65,000	\$0		\$0	\$0	\$0	\$0	\$65,000
BOND PROCEEDS	\$224,675	\$1,110,550		\$631,675	\$1,177,200	\$839,800	\$931,500	\$3,804,850
OTHER INCOME		\$0			\$0	\$0	\$0	\$0
<b>TOTAL AVAILABLE FUNDS</b>	<b>\$490,823</b>	<b>\$1,110,550</b>		<b>\$832,823</b>	<b>\$1,378,348</b>	<b>\$1,040,948</b>	<b>\$1,132,648</b>	<b>\$3,869,850</b>
<b>USES BY PROJECT</b>								
<b>INFORMATION TECHNOLOGY</b>								\$0
* SYSTEM SOFTWARE								\$80,000
* SYSTEM HARDWARE	\$80,000							\$80,000
* BROADBAND/FIBER	\$65,000							\$65,000
<b>FIRE DEPARTMENT</b>								\$0
* REPLACE 5" HOSE INVENTORY		\$8,000	\$8,000		\$8,200	\$8,200	\$8,500	\$24,900
* TURNOUT GEAR & WASH MACHINE	\$31,000	\$7,500	\$7,500					\$31,000
* REPLACE TURNOUT GEAR		\$24,000	\$24,000		\$24,000	\$24,000	\$24,000	\$72,000
* REPLACE RADIOS/RADIO EQUIP		\$30,000	\$30,000				\$120,000	\$120,000
* COMPUTER AIDED DISPATCH		\$128,000	\$128,000					\$0
* REPLACE LIFEPAK DEFIBS (2)		\$30,000	\$30,000			\$31,000	\$32,000	\$63,000
* REPLACE AIR COMPRESSOR								\$0
* REPLACE JAWS POWER UNIT								\$0
* REPLACE TECHNICAL RESCUE TRAILER								\$0
* REPLACE VIEBAHN RADIO RECEIVER		\$260,000		\$260,000				\$260,000
* REPLACE EMERGENCY SIRENS	\$17,000	\$36,200	\$36,200		\$17,500	\$17,600	\$18,000	\$70,100
* RESCUE TRAILER		\$16,000	\$16,000					\$0
* REPLACE WORKOUT EQUIPMENT		\$7,000	\$7,000		\$7,500	\$7,500	\$7,500	\$22,500
* REPLACE ENGINE #2014					\$550,000			\$550,000
* RENOVATE STATIONS								\$0
* REPLACE 4WD TRUCK #10								\$0
* PORTABLE VENTILATOR						\$12,000	\$12,000	\$24,000
* ULTRASOUND						\$120,000		\$120,000
* GLIDESCOPE RANGERS						\$36,000		\$36,000
* REPLACE AMBULANCE							\$180,000	\$180,000
* REPLACE AMBULANCE						\$176,000		\$176,000
* REPLACE AMBULANCE		\$158,000		\$158,000				\$158,000
<b>PARKS/RECREATION</b>								\$0
* REPLACE PICKUP TRUCKS						\$123,000	\$55,000	\$178,000
* PLAYGROUND EQUIPMENT	\$20,000	\$20,000		\$20,000	\$20,000	\$20,000	\$20,000	\$100,000
* REPLACE REFUSE COLLECT TRUCK							\$130,000	\$130,000
*TRACTOR W/PLOW, MWR, SPRDR (2)					\$260,000			\$260,000
*ZOO PICKUP TRUCK						\$25,000		\$25,000
* REPLACE DUMP TRUCKS								\$0
*SURVEILLANCE CAMERAS		\$25,000	\$25,000		\$25,000	\$25,000	\$25,000	\$75,000
* RIDING LAWNMOWERS		\$10,000		\$10,000	\$10,000	\$10,000	\$10,000	\$40,000
* PUSH LAWNMOWERS		\$2,000		\$2,000	\$2,000	\$2,000	\$2,000	\$8,000
<b>POLICE DEPT</b>								\$0
* SQUAD CARS	\$58,175	\$58,175	\$58,175		\$94,000	\$98,500	\$100,500	\$351,175
* OTHER VEHICLES					\$53,000	\$37,000	\$106,000	\$196,000
* RADIO EQUIPMENT		\$65,000		\$65,000	\$67,000	\$67,000	\$67,500	\$266,500
* TECHNOLOGY EQUIPMENT		\$120,000	\$120,000		\$10,000		\$13,500	\$23,500
<b>CITY HALL</b>								\$0
*LAWN TRACTOR	\$18,500							\$18,500
*ENGINEERING GIS TOTAL STATION		30,000		30,000				\$30,000
*END OF LIFE EQUIPMENT FUND		75,675		86,675				\$86,675
*TRUCK 907					\$29,000			\$29,000
<b>TOTAL PROJECTS</b>	<b>\$289,675</b>	<b>\$1,110,550</b>	<b>\$489,875</b>	<b>\$631,675</b>	<b>\$1,177,200</b>	<b>\$839,800</b>	<b>\$931,500</b>	<b>\$3,869,850</b>
ESTIMATED ENDING FUND BALANCE	\$201,148			\$201,148	\$201,148	\$201,148	\$201,148	

NOTE: Estimated Beginning Fund Balance reflects Capital Project Fund reserves only.  
Costs reflect local share.

# MACHINERY AND EQUIPMENT

## PROJECT NARRATIVES

### FIRE DEPARTMENT:

Equipment currently scheduled for replacement or equipment for which funds will be applied in future years include the following:

- 5 Year Phased Replacement – 5” Hose Inventory
- Turnout Gear Wash Machine
- Replace Turnout Gear
- Replacement of Radios/Radio Equipment
- Replace Station #1 Base Station
- Northside and Viebahn Radio Receivers
- Computer Aided Dispatch System
- Replace 5 Lifepak 12 Defibrillators
- Replace Jaws Power Unit
- Replacement Schedule for Emergency Sirens/Receivers
- Upgrade Emergency Siren Analyzer
- Yukon-Type Utility Vehicle W/Plow
- Replace Technical Rescue Trailer
- Replace Fire Engine No.2014
- Replace 1998 Rescue Squad
- Replace 1999 Rescue Squad
- Replace 2002 Rescue Squad
- Replace 2004 Rescue Squad

### PARKS/RECREATION:

1. Yearly Replacement of Both Push and Riding Mowers \$ 12,000  
This equipment has exceeded its life expectancy and needs to be replaced. Repairs to these units would be cost prohibitive.

NOTE: In the past, this equipment had not been managed properly. We must now replace some equipment each year to be able to maintain our work load.

2. Video Surveillance Camera & Equipment \$ 25,000  
Currently, the Parks Department has one (1) park equipped with surveillance cameras. That equipment has been ineffective and should be replaced. With the rise in vandalism that we experienced in 2011 and 2012, this equipment is clearly needed and is also recommended by the police department.

### POLICE DEPARTMENT:

Equipment replacement schedules include the following:

<b>ITEMS</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>
<b>Squad Cars ( 3 every yr.) and Vehicle Equipment</b>	90,000	94,000	98,500	100,500	\$101,400
<b>CP Van (2009)</b>			19,000		
<b>2003 SUV (every 5 yrs.) and Vehicle Equipment</b>		36,000			
<b>2006 Utility Vehicle (every 7 yrs.) and Equipment</b>				21,000	
<b>2004 Parking Enf. Jeep</b>			18,000		
<b>Unmarked / Detective vehicle (every 7 yrs) and Vehicle Equipment</b>		17,000			
<b>Evidence Bar Coding System</b>				13,500	
<b>MDTs/ and Radio Modems (3 system upgrades yearly minus computer)</b>	7,000	7,000	7,000	7,500	\$7,600
<b>Evidence Storage Shelving/remodel</b>			60,000		
<b>Radio Tower Replacement</b>					\$600,000
<b>Hand Held Radio Replacement</b>	\$65,000	60,000	60,000	\$60,000	
<b>In-Car Mobile Cameras (11)</b>	\$63,000				
<b>Evidence Collection Vehicle</b>				85,000	
<b>Outdoor Range Equipment &amp; Improvements</b>		25,000			
<b>Squad Laptops</b>	54,000				
<b>Aegis Records &amp; Mobile software upgrades</b>		10,000			

### PATROL VEHICLES

We have had to reduce our fleet of patrol vehicles due to budget constraints. Consequently we changed the replacement cycle for the Police Department's squad cars to three (3) marked squad cars every year, one (1) SUV every five (5) years, and the various unmarked and utility vehicles every seven (7) years.

### IN-CAR MOBILE VIDEO CAMERAS

In 2008, we completed purchase and installation in-car mobile video cameras for all marked patrol cars. Replacements were cut from 2012 budget and should start in 2013. The squad laptops were purchased in 2009. These are used during each shift 7 days a week all year. The old laptops will be used as spares or given to other city departments to use.

### RECORDS COMPUTER

The computer software for the joint records system (Aegis) will require the use of compatible Microsoft Office software at the police department work stations. Additionally, upgrades to the efficiency process of the mobile system will also require upgrades to compatible Microsoft software.

### PORTABLE or HAND HELD RADIO and TOWER

This will be a 5 year project to replace all police hand held radios and eventually upgrade existing towers to be compatible with a the change in city frequency from a VHF to 800mhz. In 2012 the County of Manitowoc switched radio frequency to an 800 MHz system that is not compatible with the VHF frequency used by the City of Manitowoc, City of Two Rivers, and the City of Kiel. Officers working for those city jurisdictions will not be able to communicate during emergencies on the county frequency with the current hand held radios. The City of Manitowoc should have a long range plan to upgrade to hand held radios that will allow us to communicate with all law enforcement and consider moving towards the 800 MHz system.

### MOBILE DATA SYSTEM

Our Mobile Data System is operational. All vehicles used for patrol operations have been outfitted. We now coordinate for replacement of squad computer equipment through Manitowoc Public Utilities replacement plan. Other damage or upgrades to the mobile data system will be accounted for within this budget plan.

### CITY HALL:

**Equipment ~ Vehicle # 907** **Year ~ 2014** **Cost ~ \$29,000**  
Vehicle is a 1997 Ford Ranger and will be well past the replacement range set by the Fleet Manager. This vehicle should be replaced with a full-size service body truck.

CITY OF MANITOWOC  
FIVE-YEAR  
CAPITAL IMPROVEMENT PLAN  
DPW MOTOR POOL

RESOURCE/COST ANALYSIS

	2012 ACTUAL	2013 REQUESTED	2013 DEFUNDED	2013 BUDGET	2014	2015	2016	TOTAL
ESTIMATED BEGINNING FUND BALANCE	\$0			\$0	\$0	\$0	\$0	
FUNDING SOURCES								
BOND PROCEEDS	\$45,350	\$336,000		\$331,000	\$360,000	\$385,000	\$385,000	\$1,506,350
TOTAL AVAILABLE FUNDS	\$45,350	\$336,000		\$331,000	\$360,000	\$385,000	\$385,000	\$1,506,350
USES BY PROJECT								
* TRACTOR/LOADER/BACKHOE						\$110,000		\$110,000
* PICKUP TRUCK/VANS - ENG (3)								\$0
* WHEEL LOADER								\$0
* TRACTOR W/SNOW BLOWER/ETC.		\$130,000		\$130,000		\$100,000		\$230,000
* VBOX SPREADERS W/PREWET SYS (2)	\$45,350	\$61,000	\$5,000	\$56,000				\$101,350
* HOT PATCH UNITS (2)								\$0
* NARROW BAND RADIO EQUIP								\$0
* ANTI-ICE MODULE W/CONTROL								\$0
* 4X4 PICKUP TRUCK - SUPERVISOR (3)								\$0
* RAM 1500 VAN		\$25,000		\$25,000				\$25,000
* TAURUS LX		\$120,000		\$120,000				\$120,000
* 5 YD DUMP TRUCK W/PLOW/LODAL							\$125,000	\$125,000
* 5 YD DUMP TRUCK W/P&W (3)					\$360,000			\$360,000
* 1-TON FLATBED							\$40,000	\$40,000
* WHEEL LOADER						\$175,000		\$175,000
* TRACKLESS W/PL/MWR/SPRDR								\$0
* CREW CAB 4D 4X4PU							\$40,000	\$40,000
* 4X4 DIESEL TR W/PL&MRW DK (2)							\$180,000	\$180,000
* SNOWBLOWER (KLAUER-SNOGO)								\$0
TOTAL PROJECTS	\$45,350	\$336,000	\$5,000	\$331,000	\$360,000	\$385,000	\$385,000	\$1,506,350
ESTIMATED ENDING FUND BALANCE	\$0			\$0	\$0	\$0	\$0	

NOTE: Estimated Beginning Fund Balance reflects Capital Project Fund reserves only.  
Costs reflect local share.

## DPW MOTOR POOL

### PROJECT NARRATIVES

The City anticipates the 5 year funding needs of equipment and building purchases for the Motor Pool.

Equipment replacement and Building Improvements currently scheduled for 2013 includes:

#### MACHINERY & EQUIPMENT - Vehicle Purchases

1. One (1) New 2013 City Electrician Vehicle \$ 25,000  
#7 13 yrs 87,698 mi  
This is a vehicle currently used by the City Electrician/Electrical Inspector. This vehicle is severely rusted; the front suspension and steering assemblies are worn and will need to be replaced soon. Repairs to this vehicle would be cost prohibitive.

2. One (1) New 2013 5-Yard Dump Truck w/Plow & Lodal Attachment \$ 120,000  
#51 16 yrs 140,373 mi  
Vehicle #51 is a 1997 Chevrolet 5-yard dump truck model with a plow and lodal attachment. The lodal attachment is what makes this vehicle unique. With this attachment, the vehicle has "self-loading" capabilities, which is very cost effective in many situations such as picking up sweeper debris, concrete, and brush piles in the spring, summer, and fall. During the winter months the unit is used in our snow removal operations. The DPW currently utilizes two of these units.

Number 51 has well over 100,000 miles on it and the motor and transmission will soon need to be rebuilt. The dump box on this unit is in poor condition and will need new metal installed due to rust out and damage from concrete. The main concern is the lodal attachment. Most of the hydraulic cylinders, pins, and bushings need to be replaced or rebuilt as well as the bucket and clam shell assembly. Approximate repair cost for the lodal attachment is now over \$20,000.

3. One (1) New 2013 Ground Service Vehicle w/Attachment \$ 130,000  
#106 17 yrs 4,751 hr  
Unit #106 was purchased in 1996. It is now constantly in need of major repairs and severely rusted out. We have been forced to perform costly repairs on this unit to get us through the last few years. The unit now needs to be replaced as the electrical and hydraulic systems are failing. This piece of equipment is used year round and is vital to both summer and winter operations.

#### MACHINERY & EQUIPMENT – Other Capital Purchases

4. Four (4) New V-Box Spreaders w/Pre-Wet System \$ 56,000

The existing v-box spreaders have exceeded their life expectancy and now must be replaced due to severe rust issues. We are also adding a pre-wet system (side tanks) as most other communities have already done. The side tanks will allow us to pre-wet our salt which results in less salt usage.

5. One (1) New Oil Filter Crusher \$ 5,000  
As we can no longer landfill our used oil filters, we must now pay to have these removed. The oil filter crusher will allow us to retrieve all of the used oil and compact the filter housings allowing a much greater storage capacity.
6. Shop Key Software \$ 2,500  
Renewal of existing 2- year computer based maintenance trouble shooting software for DPW mechanics.

#### **BUILDINGS AND GROUNDS – Motor Pool Building**

7. Replace Co Ray Vac System in Vehicle Storage Area \$ 20,000  
The current system is in constant need of repairs and must be replaced. Many parts are no longer available for the existing system. If the system fails and repairs cannot be made, all heat for the vehicle storage area would be provided by make-up air units and would be very costly.

***SUMMARY OF PROJECTS  
PROPRIETARY FUNDS***

**\* \* \* \* \***

***2012 – 2016***

CITY OF MANITOWOC  
 FIVE-YEAR  
 CAPITAL IMPROVEMENT PLAN  
 SUMMARY OF PROJECTS  
 PROPRIETARY FUNDS

RESOURCE/COST ANALYSIS

	2012	2013	2014	2015	2016	TOTAL
ESTIMATED BEGINNING FUND BALANCE	\$0	\$0	\$0	\$0	\$0	\$0
FUNDING SOURCES						
CAPITAL PROJECTS LEVY	\$7,000	\$176,600	\$0	\$0	\$1,750,000	\$1,933,600
BOND PROCEEDS	\$467,700	\$616,900	\$895,000	\$652,500	\$1,090,000	\$3,722,100
OTHER	\$295,000	\$183,500	\$29,000	\$0	\$0	\$507,500
TOTAL AVAILABLE FUNDS	\$769,700	\$977,000	\$924,000	\$652,500	\$2,840,000	\$6,163,200
USES BY PROJECT						
WASTEWATER FACILITY EQUIPMENT	\$295,000	\$183,500	\$29,000	\$0	\$0	\$507,500
SANITARY SEWER REPLACEMENT	\$467,700	\$616,900	\$895,000	\$652,500	\$1,090,000	\$3,722,100
TRANSIT SYSTEM	\$7,000	\$176,600	\$0	\$0	\$1,750,000	\$1,933,600
TOTAL PROJECTS	\$769,700	\$977,000	\$924,000	\$652,500	\$2,840,000	\$6,163,200
ESTIMATED ENDING FUND BALANCE	\$0	\$0	\$0	\$0	\$0	\$0

Costs reflect local share.

***WASTEWATER TREATMENT  
FACILITY/SANITARY  
SEWER REPLACEMENT***

**\* \* \* \* \***

***2012 – 2016***

CITY OF MANITOWOC  
FIVE-YEAR  
CAPITAL IMPROVEMENT PLAN

WASTEWATER TREATMENT FACILITY/SANITARY SEWER REPLACEMENT

ANALYSIS OF FUNDS

	2012	2013	2014	2015	2016	TOTAL
ESTIMATED BEGINNING FUND BALANCE	\$0	\$0	\$0	\$0	\$0	\$0
FUNDING SOURCES						
BOND PROCEEDS	\$467,700	\$616,900	\$895,000	\$652,500	\$1,090,000	\$3,722,100
OTHER	\$295,000	\$183,500	\$29,000	\$0	\$0	\$507,500
TOTAL AVAILABLE FUNDS	\$762,700	\$800,400	\$924,000	\$652,500	\$1,090,000	\$4,229,600
USES BY PROJECT						
EQUIPMENT						
* FACILITY PLAN	\$175,000					\$175,000
* BOILER #1 REHAB						\$0
* EFFLUENT PUMP STATION						\$0
* STACK FILTER PUMP STATION		\$76,000				\$76,000
* CHLORINE FEED EQUIPMENT	\$70,000					\$70,000
* SCREENING EQUIPMENT						\$0
* WASTEWATER SAMPLER		\$7,500				\$7,500
* PASSENGER VEHICLE						\$0
* METHANE FLARE						\$0
* RIDING LAWNMOWER		\$65,000	\$9,000			\$74,000
* TOOLCAT REPLACEMENT MACHINE	\$50,000	\$35,000				\$85,000
* TRUCK 712 REPLACEMENT			\$20,000			\$20,000
SANITARY SEWER REPLACEMENT						
* ANNUAL SEWER PROGRAM	\$467,700	\$561,900	\$545,000	\$377,500	\$1,065,000	\$3,017,100
* INTERCEPTORS/LIFT STATIONS/ FORCEMANS						\$0
1. LAWTON TERR LIFT STATION			\$350,000			\$350,000
2. MTWC RIVER INTERCEPTOR		\$25,000		\$75,000		\$100,000
3. S. 14TH STREET LIFT STATION					\$25,000	\$25,000
4. HORSESHOE DRIVE LIFT STATION		\$30,000		\$200,000		\$230,000
5. SILVER CREEK LIFT STATION						\$0
6. S. 19TH STREET LIFT STATION						\$0
7. MANHOLE REPLACEMENTS						\$0
TOTAL PROJECTS	\$762,700	\$800,400	\$924,000	\$652,500	\$1,090,000	\$4,229,600
ESTIMATED ENDING FUND BALANCE	\$0	\$0	\$0	\$0	\$0	

NOTE: Estimated Beginning Fund Balance reflects Capital Project Fund reserves only.  
Costs reflect local share.

# WASTEWATER TREATMENT FACILITY/ SANITARY SEWER REPLACEMENT

## PROJECT NARRATIVES

### EQUIPMENT

#### OPERATIONAL NEEDS REVIEW (ONR)

A new NPDES permit has been issued beginning in January 2012 and while a Facilities Plan had been planned, it was determined that a less costly ONR would be a better fit since limits are being met and the permit limitations are set for the next 5 years. This report is a detailed analysis of the existing facilities and condition assessment of the equipment that is in operation. A phosphorus optimization plan was prepared in March of 2012 and it is anticipated that the 0.6 mg/L effluent limitation will be met by increasing ferric chloride addition to the plant. Once completed this study will prioritize and drive future capital spending at the WWTF. It is anticipated the study will be completed prior to budget preparation for 2014. THIS WAS BUDGETED FOR IN 2012 BUT LIKELY WILL BE PAID FOR IN BOTH 2012 AND 2013.

#### BOILER #1 REHAB

Boiler needs to be retubed along with new shut off valves for pressure testing the vessel. The burner assembly from the current pony boiler will be installed in this unit along with purchase and set up of a new Autoflame boiler combustion control unit. This will allow better utilization of existing supply of methane gas during warm weather months and a back up to the high output plant boilers that fires methane instead of natural gas. THIS PROJECT HAS BEEN CANCELED PENDING THE RESULTS OF THE ONR.

#### STACK FILTER/EFFLUENT PUMP STATIONS

Both pump stations have similar problems and both need to be updated. Pump stations each are stand alone systems independent of the SCADA system and controls wet well level, recirculation rates, and the pump speed. The current PC's are programmed in DOS and are obsolete. A replacement VFD for pump #1 to be supplied as existing will not power pump to 100% speed. Purchase and installation of a new Allen Bradley touch screen control system with new control logic and internal PC. Both locations currently are using computer monitors in lieu of the touch screens for the operator interface and control of the pump station. We are dealing with various over heating problems of VFD'S in the WWTF and have pushed this project back a year. The ONR will take this into account and until the station is upgraded.

#### WASTEWATER SAMPLER

There are 6 samplers that collect and refrigerate samples at various stages of treatment in the plant. Samplers typically last about 10 years before replacement. Money is budgeted each year to replace sampler as we have not purchased a new one for a couple of years. Flow paced and refrigerated samples are an NPDES requirement.

## TOOLCAT POWER UNIT REPLACEMENT

This was budgeted and approved in 2012 and should be replaced. Sewage revenue was off projection the first half of 2012 and so no action was taken to move forward with this planned purchase. This replacement may still be acted upon in 2012 if sewage revenue supports it, but it should also remain programmed in the Capital plan for 2013 and not disappear. The pricing has been modified based on favorable trade in values and discussions with vendors.

## METHANE FLARE

The current flare is still operable but the internal baffles have corroded away and rust has taken its toll on the flare. When the flame fails there is unburned methane being released to the atmosphere creating a potential explosive and dangerous condition within the WWTF. Staff has to repeatedly relight the pilot under windy conditions. The flame does not burn continuously and sometimes does not burn at all during moderate weather so it can easily bleed methane while unlit for a few hours. The pressure sensors and controls are still serviceable but would likely need to be replaced to control the new generation of methane flares. Pricing is budgetary based on discussions with the vendor.

## TRUCK 712

This is a 2003 model year pickup truck that sees daily use around the WWTF and around town to pick up parts and supplies. Not a high mileage vehicle but will be 11 years old and over the 10 year threshold for replacement.

## SANITARY SEWERS

There are several sanitary sewer projects that are expected to be required within the next 6 years. The majority of the work is related to repair and/or relay work associated with concrete or asphalt paving projects. A brief description of the larger projects are listed below.

There is an item included in each year of the 5 Year Capital Works Program for rehabilitating existing sanitary sewers. This work would generally include slip lining or re-lining sewers that are significantly deteriorated and have pitting, scaling, holes, joint problems, etc. The cost of this type of work has greatly decreased over the past 10-15 years and it is now more cost effective to re-line the sewers rather than digging them up and replacing the pavement. In addition, slip lining is a much better option in high traffic areas, since the work can be completed much faster than the traditional digging method.

### WALDO BOULEVARD

Relining of various sanitary sewers on Waldo Blvd. in preparation for the 2016 DOT Project.

Relay of the mainline sanitary sewers and laterals on Waldo Blvd. will be part of the DOT's 2016 reconstruction project.

### SOUTH 10<sup>TH</sup> STREET

The replacement of the existing sanitary sewers on South 10<sup>th</sup> Street from Dewey Street to Viebahn Street. The sanitary sewer would be relayed one year prior to the reconstruction of the road. The sanitary sewer relay is currently not programmed.

## SANITARY INTERCEPTOR SEWERS & LIFT STATIONS

### LAWTON TERRACE

The construction of a gravity sanitary sewer from Lawton Terrace Lift Station to the Maritime Drive Lift Station would allow the Lawton Terrace Lift Station to be eliminated. This work is scheduled for 2014.

### MANITOWOC RIVER

This item is for the flow meter/monitoring for the Manitowoc River interceptor sewer from the Archer Street Lift Station to Michigan Ave. The city will hire a consultant to furnish and install the meters and monitor them for 6-12 months. This work is scheduled for 2013.

The design for the replacement of the Manitowoc River interceptor sewer from the Archer Street Lift Station to Michigan Ave. is contingent on the findings from the flow meters. This work is tentatively scheduled for 2015.

The construction of the Manitowoc River interceptor sewer from the Archer Street Lift Station to Michigan Ave. is contingent on the findings from the flow meters. This work is unprogrammed.

### HORSESHOE DRIVE

Design engineering for the Horseshoe Drive Lift Station Upgrade. This work is scheduled for 2013.

Upgrading the Horseshoe Drive Lift Station. This is based on the Foth & Van Dyke Lift Station Study (Nov. 2002). The project is scheduled for construction in 2015.

### SOUTH 14<sup>TH</sup> STREET

Design engineering for the South 14<sup>th</sup> Street Lift Station Upgrade. This work is scheduled for 2016.

Upgrading the South 14<sup>th</sup> Street Lift Station. The project is scheduled for construction in 2017.

***TRANSIT SYSTEM***

**\* \* \* \* \***

***2012 - 2016***

**CITY OF MANITOWOC  
FIVE-YEAR  
CAPITAL IMPROVEMENT PLAN  
TRANSIT SYSTEM**

RESOURCE/COST ANALYSIS

	2012	2013	2014	2015	2016	TOTAL
ESTIMATED BEGINNING FUND BALANCE	\$0	\$0	\$0	\$0	\$0	\$0
<b>FUNDING SOURCES</b>						
CAPITAL PROJECTS LEVY	\$7,000	\$176,600	\$0	\$0	\$1,750,000	\$1,933,600
TOTAL AVAILABLE FUNDS	\$7,000	\$176,600	\$0	\$0	\$1,750,000	\$1,933,600
<b>USES BY PROJECT</b>						
REPLACE PARATRANSIT VANS (2) (1)		\$45,600				\$45,600
REPLACE IN-GROUND HOIST	\$7,000					\$7,000
REPLACE OVERHEAD DOORS (2)						\$0
REPLACE FORKLIFT						\$0
REPLACE TRANSFER CENTER						\$0
REPLACE OIL DISPENSING EQUIPMENT						\$0
REPLACE COACHES					\$1,750,000	\$1,750,000
REPLACE FUEL DISPENSING EQUIP						\$0
REPLACE ENTRANCE DOORS						\$0
HVAC - MAINTENANCE FACILITY						\$0
TDP BUS ROUTE IMPROVEMENTS						\$0
REPLACE MTNC FACILITY BUS WASH		\$131,000				\$131,000
TOTAL PROJECTS	\$7,000	\$176,600	\$0	\$0	\$1,750,000	\$1,933,600
ESTIMATED ENDING FUND BALANCE	\$0	\$0	\$0	\$0	\$0	\$0

NOTE: Estimated Beginning Fund Balance reflects Capital Project Fund reserves only.

Costs reflect local share.

# TRANSIT SYSTEM

## PROJECT NARRATIVES

The Maritime Metro Transit System's planned improvements for the next 5 years are based on the availability of Federal funding. Cost estimates are made applying current Federal Capital Funding Rates. The rates change over time. The current funding source rates applied are 80% Federal and 20% City.

In 2004, Maritime Metro replaced five 35' buses with five 30' low-floor buses. The shorter low-floor bus has a life expectancy of ten (10) years. Four 35' coaches were replaced with four 35' low-floor coaches in 2005. The larger vehicles are expected to last for twelve (12) years.

### ARRA FUNDING

In 2009 the City received notice of ARRA funding in the amount of \$1,900,000 for various transit projects:

### BUS SHELTERS

In 2010 Maritime Metro Transit purchased 5 new bus stop shelters with installation for \$30,800. 100% of the funding for this project came from stimulus funds.

### TRANSFER CENTER

In 2010 Maritime Metro Transit employed the services of Somerville Engineering to design the bus system's new transfer center at 915 South 11<sup>th</sup> Street. The project will entail the raising of the current transfer center building and replacing it with a 3,500 square foot facility to include office space, a passenger waiting area and bus bay for up to 6 coaches. Construction of this project is budgeted at \$1,500,000. Again, 100% of the financial support for this project will come from Federal stimulus funding (ARRA Grant). Completion is scheduled for 2012.

The plan for the next 5 years includes:

**Project ~ Bus Wash** **Year ~ 2013** **Cost ~ \$26,200**  
This represents a 20% match. The existing machine was to have been replaced in 2007 but various delays have prevented its replacement. The machine is 21 years old and well past its usual life expectancy.

**Project ~ Replace Paratransit Van** **Year ~ 2013** **Cost ~ \$9,000**  
Replace one (1) Paratransit Van. Cost estimated at \$45,000. This amount represents our 20% match.

**Project ~ Replace 29' Coaches** **Year ~ 2016** **Cost ~ \$350,000**  
Five (5) twenty-nine foot buses will be replaced in 2016. Cost estimated at \$350,000 each. This amount represents our 20% match.

**Project ~ Replace 35' Coaches** **Year ~ 2017** **Cost ~ \$288,000**  
Four (4) thirty-five foot buses will be replaced in 2017. Cost estimated at \$380,000 each. This amount represents our 20% match.

**Project ~ Replace Transit Drivers Van** **Year ~ 2017** **Cost ~ \$4,800**  
Drivers van will be replaced in 2017. Cost estimated at \$24,000. This amount represents our 20% match.

**Maritime Metro Transit**  
**FIVE YEAR CAPITAL NEEDS PLAN**  
 2012 through 2016  
 6/7/2011

YEAR	ITEM	ESTIMATED CONTNGNCY			ESTIMATED COST			FUNDING SOURCE		
		COST	0%	ESTIMATED COST	COST	80%	CITY	20%		
2012	Replace Forklift	30,000	0	30,000	24,000	6,000				
	Construction - Transfer Facility (100% funded)	1,500,000	0	1,500,000	1,500,000	0				
	Replace two (2) Overhead Doors	5,000	0	5,000	4,000	1,000				
<b>2012</b>	<b>Totals</b>	<b>1,535,000</b>	<b>0</b>	<b>1,535,000</b>	<b>1,528,000</b>	<b>7,000</b>				
2013	Replace Oil Dispensing Hose Reels & Fluid Counters	10,000	0	10,000	8,000	2,000				
	Replace one (1) Paratransit Van	45,000	0	45,000	36,000	0				
	Driver's Room (DPW) - Remodel Driver's Room Bathrooms	15,000	0	15,000	12,000	3,000				
<b>2013</b>	<b>Totals</b>	<b>70,000</b>	<b>0</b>	<b>70,000</b>	<b>56,000</b>	<b>5,000</b>				
2014	Replace Overhead/Entrance Doors	15,000	0	15,000	12,000	3,000				
	Replace Fuel Dispensing Equipment	15,000	0	15,000	12,000	3,000				
<b>2014</b>	<b>Totals</b>	<b>30,000</b>	<b>0</b>	<b>30,000</b>	<b>24,000</b>	<b>6,000</b>				
2015	Replace one (1) Paratransit Van	45,000	0	45,000	36,000	9,000				
	Maintenance Facility HVAC	10,000	0	10,000	8,000	2,000				
	Transportation Development Plan	30,000	0	30,000	24,000	6,000				
<b>2015</b>	<b>Totals</b>	<b>85,000</b>	<b>0</b>	<b>55,000</b>	<b>44,000</b>	<b>11,000</b>				
2016	Replace four (4) 35' foot coaches	1,100,000	0	1,100,000	880,000	220,000				
<b>2016</b>	<b>Totals</b>	<b>1,100,000</b>	<b>0</b>	<b>1,100,000</b>	<b>880,000</b>	<b>220,000</b>				
<b>Grand Totals</b>		<b>2,820,000</b>	<b>0</b>	<b>2,790,000</b>	<b>2,532,000</b>	<b>249,000</b>				