

It is expected that a Quorum of the Personnel Committee, Administration Committee, and Common Council will be attending this meeting: (although it is not expected that any official action of any those bodies will be taken)

**CITY OF MENASHA**  
**Board of Public Works**  
**Third Floor Council Chambers, 140 Main Street, Menasha**  
October 15, 2007

6:30 PM

**AGENDA**

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**1. CALL TO ORDER**

A. -

**2. ROLL CALL/EXCUSED ABSENCES**

A. -

**3. MINUTES TO APPROVE-MINUTES & COMMUNICATIONS TO RECEIVE**

A. Minutes - October 1, 2007

[Attachments](#)

**4. DISCUSSION**

A. Change Order - Argo Contracting, Inc.; Water Treatment Plant Modifications; Contract Unit No. M002-940266.06; DEDUCT: \$18,249.80 (Change Order No. 1)

[Attachments](#)

B. Change Order - CD Smith Construction, Inc.; Water Treatment Plant Modifications; Contract Unit No. M002-940266.02; ADD: \$20,263.00 (Change Order No. 11)

[Attachments](#)

C. Change Order - Quality Concrete and Excavating, Inc.; Sidewalk Reconstruction; Contract Unit No. 2007-02; ADD: \$1,601.50 (Change Order No. 1)

[Attachments](#)

D. Payment - Quality Concrete and Excavating, Inc.; Concrete Sidewalk Reconstruction; Contract Unit No. 2007-02; \$53,489.20 (Payment No. 1 and Final)

[Attachments](#)

E. Payment - Badger Highways, Inc.; Kaukauna Street/High Street Rehabilitation - Pulverize/Resurface Asphalt Pavement; Contract Unit No. 2007-01; \$64,985.26 (Payment No. 2)

[Attachments](#)

F. Recommendation to Award J and E Construction; Contract Unit No. 2007-03; Lake Park Villas Stormwater Pond; \$145,291.30

[Attachments](#)

G. Traffic Study Report Regarding Request for Yield Signs at Intersection of Marquette and Elizabeth Streets

[Attachments](#)

**5. ADJOURNMENT**

A. -

Menasha is committed to its diverse population. Our Non-English speaking population or those with disabilities are invited to contact the Clerk's Office at 967-3600 at least 24-hours in advance of the meeting so special accommodations can be made.

**CITY OF MENASHA**  
**Board of Public Works**  
**Third Floor Council Chambers, 140 Main Street, Menasha**  
October 1, 2007  
MINUTES

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I. CALL TO ORDER

A. Meeting called to order by Chairman Pack at 6:45 p.m.

II. ROLL CALL/EXCUSED ABSENCES

A. PRESENT: Pack, Hendricks, Eckstein, Michalkiewicz, Chase, Merkes, Taylor, Wisneski.  
ALSO PRESENT: Mayor Laux, PC Stanke, DFC DeLeeuw, DPW Radtke, CDD Keil,  
C/T Stoffel, Clerk Galeazzi, and the Press.

III. MINUTES TO APPROVE-MINUTES & COMMUNICATIONS TO RECEIVE

A. September 17, 2007

Moved by Ald. Michalkiewicz, seconded by Ald. Eckstein to approve minutes.  
Motion carried on voice vote.

IV. DISCUSSION

A. Payment - Badger Highways, Inc.; Kaukauna Street/High Street, Street Rehabilitation -  
Pulverize/Resurface Asphalt Pavement; Contract Unit No. 2007-01; \$13,278.44;  
(Payment No. 1)

DPW Radtke reported this is part of the Local Roads Improvement Grants and the contractor is doing all the work. In this case, there would be little savings having the street crews do the paving due to the extremely low bid prices for asphalt paving.

V. ADJOURNMENT

A. Moved by Ald. Taylor, seconded by Ald. Michalkiewicz to adjourn at 6:47 p.m.  
Motion carried on voice vote.

*Deborah A. Galeazzi*

Respectfully submitted by Deborah A. Galeazzi, City Clerk

# CHANGE ORDER

DATE: September 6, 2007

CHANGE ORDER NO:   1  

CONTRACTOR: Argo Contracting, Inc.

CONTRACT NO.: M002-940266.06

PROJECT: Water Treatment Plant Modifications

*You are directed to make the changes noted below in the subject contract unit number.*

- |  |                     |
|--|---------------------|
| 1.1 Modify Control Panel to delete Auto Re-Start   | ADD \$290.20        |
| 1.2 Delete allowance for electrical service.<br>Utilities installed electrical service under their own force account.            | DEDUCT -\$10,000.00 |
| 1.3 Delete Treatment Plant landscaping from contract. This work to be<br>picked up dollar for dollar by Treatment Plant contract | DEDUCT -\$8,540.00  |

**TOTAL** **-\$18,249.80**

The Menasha Common Council approved the Argo Contracting, Inc. contract  
Change Order authorizes changes

Approved by MU Commission, September 26, 2007

Council Approval

The changes result in the following adjustments:

	CONTRACT - TOTAL	TIME
Prior to this Change Order	\$ 101,974.00	_____ Days
Adjustments per this Change Order	\$ -18,249.80	_____ Days
Current Contract Status	\$ <b>83,724.20</b>	_____ Days

Directed/Authorized  
City of Menasha Dept. of Public Works

BY: \_\_\_\_\_

DATE: \_\_\_\_\_

Accepted

\_\_\_\_\_

BY: \_\_\_\_\_

DATE: \_\_\_\_\_

## CHANGE ORDER

DATE: September 17, 2007

CHANGE ORDER NO: 11

CONTRACTOR: CD Smith Construction, Inc

CONTRACT NO.: M002-940266.02

PROJECT: Water Treatment Plant Modifications

*You are directed to make the changes noted below in the subject contract unit number.*

11.1 Changes to Underground Utilities in Broad Street due to unforeseen conditions and needed repairs to existing sewer line	ADD \$6,818.00
11.2 Furnish & install two (2) additional light fixtures in old filter room	ADD \$999.00
11.3 Add landscaping at Plant site to CD Smith Construction, Inc. contract, dollar for dollar transfer from Argo Contracting contract	ADD \$8,540.00
11.4 Revise Ultraviolet (UV) Cooling Piping from 4-inch to 1 ½ inch diameter	DEDUCT (-\$1,310.00)
11.5 Additional work in elevator	ADD \$818.00
11.6 Relocate Turbidimeter in Filter Inlet Gallery to improve operator access	ADD \$1,055.00
11.7 Revise UW2 Piping to Fliter Floor Hose Stations	ADD \$1,346.00
11.8 Install new owner furnished finished Water pH Meter & Turbidimeter	ADD \$1,997.00

<b>TOTAL</b>	<b>\$20,263.00</b>
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The Menasha Common Council approved the CD Smith contract

Change Order authorizes changes

Approved by MU Commission, September 26, 2007

Council Approval

The changes result in the following adjustments:

	CONTRACT - TOTAL	TIME
Prior to this Change Order	\$ 10,334,608.00	_____ Days
Adjustments per this Change Order	\$ 20,263.00	_____ Days
Current Contract Status	<b>\$ 10,354,871.00</b>	_____ Days

Directed/Authorized  
City of Menasha Dept. of Public Works

Accepted

BY: \_\_\_\_\_

BY: \_\_\_\_\_

DATE: \_\_\_\_\_

DATE: \_\_\_\_\_

## CHANGE ORDER

DATE: October 5, 2007

CHANGE ORDER NO: One (1)

CONTRACTOR: Quality Concrete & Excavating, Inc.

CONTRACT NO.: 2007-02

PROJECT: Concrete Walk Reconstruction

*You are directed to make the changes noted below in the subject contract unit number.*

(SEE ATTACHED)

The changes result in the following adjustments:

	CONTRACT - TOTAL	TIME
Prior to this Change Order	\$ 51,887.70	_____ Days
Adjustments per this Change Order	\$ 1,601.50	_____ Days
Current Contract Status	\$ 53,489.20	_____ Days

Directed/Authorized  
City of Menasha Dept. of Public Works

Accepted

BY: \_\_\_\_\_

BY: \_\_\_\_\_

DATE: \_\_\_\_\_

DATE: \_\_\_\_\_

CITY OF MENASHA									
CONTRACT UNIT NO. 2007-02									
CONCRETE SIDEWALK RECONSTRUCTION									
DATE: October 5, 2007 Payment No. One (1) & Final									
ITEM	QUANTITY	DESCRIPTION	Unit Price	BASE BID		YTD		CHANGES	
				TOTAL	QUANTITY	TOTAL	QUANTITY	CHANGE	CHANGE
1	8,257	4" Concrete Walk Reconstruction/SF	\$ 4.50	\$ 37,156.50	8913	\$ 40,108.50	656	\$2,952.00	
2	1,764	6" Concrete Walk Reconstruction/SF	\$ 4.90	\$ 8,643.60	1755	\$ 8,599.50	-9	-\$44.10	
3	553	4" Handicap Ramp Reconstruction/SF	\$ 9.20	\$ 5,087.60	411	\$ 3,781.20	-142	-\$1,306.40	
4	1	Construction mobilization/demobilization; erosion control; project coordination; scheduling; work sequencing; traffic control as applicable; and all other restoration as specified and related to the overall project. Per Lump Sum.	\$ 1,000.00	\$ 1,000.00	1	\$ 1,000.00	0	\$0.00	
<b>TOTAL CONTRACT BID (ITEMS 1-4)</b>				<b>\$ 51,887.70</b>		<b>\$ 53,489.20</b>		<b>\$1,601.50</b>	

# CERTIFICATE OF PAYMENT

DATE: October 11, 2007

PAYMENT REQUEST: One (1) and Final

CONTRACTOR: Quality Concrete & Excavating, Inc.

ADDRESS: PO Box 959, Manawa, WI 54949

CONTRACT UNIT NUMBER: 2007-02

PROJECT DESCRIPTION: Concrete Sidewalk Reconstruction

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ORIGINAL CONTRACT AMOUNT	\$	51,887.70
CHANGE ORDER NO. One		AMOUNT: \$ 1,601.50
PREVIOUS CHANGE ORDER(S): -		
TOTAL CONTRACT AMOUNT (INCLUDING CHANGE ORDERS)	\$	53,489.20
TOTAL EARNED TO DATE (SUMMARY ATTACHED)	\$	53,489.20
LESS RETAINAGE (5%)	\$	0
AMOUNT DUE	\$	53,489.20
PREVIOUS PAYMENTS	\$	0
AMOUNT DUE THIS PAYMENT	\$	53,489.20

ESTIMATE PERIOD: FROM: August 22, 2007 to: October 5, 2007

*I certify that all bills for labor, equipment, materials, and services are paid for which previous certificates for payment were issued.*

DATE: \_\_\_\_\_ BY: \_\_\_\_\_

*Lien Waivers from all subcontractors and suppliers shall accompany each Request for Payment. Affidavit of Compliance with Prevailing Wage Rates shall accompany Request for Final Payment.*

RECOMMENDED FOR PAYMENT:

DIRECTOR OF PUBLIC WORKS: \_\_\_\_\_ DATE: \_\_\_\_\_

APPROVED FOR PAYMENT: COUNCIL APPROVAL DATE: \_\_\_\_\_

## FINANCE DEPARTMENT

<u>ACCOUNT NUMBER</u>	<u>BUDGET</u>	<u>CHARGE TO ACCOUNT</u>
_____	\$ _____	_____
_____	\$ _____	_____
_____	\$ _____	_____
_____	\$ _____	_____

# CERTIFICATE OF PAYMENT

DATE: October 9, 2007

PAYMENT REQUEST: Two (2)

CONTRACTOR: Badger Highways Company, Inc.

ADDRESS: 936 Appleton Rd., Menasha, WI 54952

CONTRACT UNIT NUMBER: 2007-01

PROJECT DESCRIPTION: Kaukauna Street/High Street, Street Rehabilitation

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ORIGINAL CONTRACT AMOUNT	\$ 80,959.80
CHANGE ORDER NO. _____ AMOUNT: \$ _____	
PREVIOUS CHANGE ORDER(S): \$	
TOTAL CONTRACT AMOUNT (INCLUDING CHANGE ORDERS)	\$ 80,959.80
TOTAL EARNED TO DATE (SUMMARY ATTACHED)	\$ 82,382.84
LESS RETAINAGE (5%)	\$ 4,119.14
AMOUNT DUE	\$ 78,263.70
PREVIOUS PAYMENTS	\$ 13,278.44
AMOUNT DUE THIS PAYMENT	\$ 64,985.26

ESTIMATE PERIOD: From September 18, 2007 to October 9, 2007

*I certify that all bills for labor, equipment, materials, and services are paid for which previous certificates for payment were issued.*

DATE: \_\_\_\_\_ BY: \_\_\_\_\_

*Lien Waivers from all subcontractors and suppliers shall accompany each Request for Payment. Affidavit of Compliance with Prevailing Wage Rates shall accompany Request for Final Payment.*

RECOMMENDED FOR PAYMENT:

DIRECTOR OF PUBLIC WORKS: \_\_\_\_\_ DATE: \_\_\_\_\_

APPROVED FOR PAYMENT: COUNCIL APPROVAL DATE: \_\_\_\_\_

## FINANCE DEPARTMENT

<u>ACCOUNT NUMBER</u>	<u>BUDGET</u>	<u>CHARGE TO ACCOUNT</u>
_____	\$ _____	_____
_____	\$ _____	_____
_____	\$ _____	_____
_____	\$ _____	_____

**CITY OF MENASHA**

**Contract Unit No. 2007-01**

**Street Rehabilitation/Construction**

**Kaukauna Street/High Street, Street Rehabilitation - Pulverize/Resurface Asphalt Pavement**

DATE: Oct. 9, 2007

Payment No. Two (2)

**Badger Highways, Inc.**

ITEM	QUANTITY	DESCRIPTION	BASE BID		YTD	
			Unit Price	TOTAL	QUANTITY	TOTAL
1	6,410	8" Depth Pavement/Base Pulverized/S.Y.	\$ 0.55	\$ 3,525.50	6,410.00	\$ 3,525.50
2	435	Unclassified Excavation/C.Y.	\$ 4.75	\$ 2,066.25	750.00	\$ 3,562.50
3	6,410	Pulverized Street/Base Fine Grading & Compaction/S.Y.	\$ 0.81	\$ 5,192.10	7,356.00	\$ 5,958.36
4	220	Sawcut Asphalt Pavement/L.F.	\$ 2.00	\$ 440.00	233.00	\$ 466.00
5	875	2-1/4" Thick Asphaltic Concrete, Type E-1, Binder Course/Ton	\$ 36.35	\$ 31,806.25	946.03	\$ 34,388.19
6	680	1-3/4" Thick Asphaltic Concrete, Type E-1, Surface Course/Ton	\$ 39.39	\$ 26,785.20	592.48	\$ 23,337.79
7	90	30" Concrete Curb & Gutter, Remove & Replace, Including Restoration/L.F.	\$ 33.00	\$ 2,970.00	90.00	\$ 2,970.00
8	100	4" Concrete Walk, Remove & Replace, Including Restoration/S.F.	\$ 5.00	\$ 500.00	100.00	\$ 500.00
9	13	Utility Adjustments/Ea.	\$ 175.00	\$ 2,275.00	13.00	\$ 2,275.00
10	3	Water Valve Box Adjustment/Each	\$ 120.00	\$ 360.00	3.00	\$ 360.00
11	2.10	Storm Inlet Adjustment/V.F.	\$ 495.00	\$ 1,039.50	2.10	\$ 1,039.50
12	1	Railroad Flagging Operations/Lump Sum	\$ 3,000.00	\$ 3,000.00	1.00	\$ 3,000.00
13	1	Construction mobile/demobile; traffic control; erosion control; project coordination; all incidental work; and all other project work area restoration and clean-up to an equal and/or better preconstruction condition as required and related to the overall project (LUMP SUM)	\$ 1,000.00	\$ 1,000.00	1.00	\$ 1,000.00
<b>TOTAL CONTRACT BID (ITEMS 1-13)</b>			<b>\$</b>	<b>\$ 80,959.80</b>	<b>\$</b>	<b>\$ 82,382.84</b>



October 11, 2007

Board of Public Works  
City of Menasha  
Menasha, WI 54952

RE: Recommendation to Award Contract Unit No. 2007-03; Lake Park Villas  
Stormwater Pond

Members of the Board:

The City opened bids for the Lake Park Villas Stormwater Pond project on Wednesday, October 10, 2007. There was a high level of interest in this project as we received 14 bids from contractors (see attached bid tabulation).

The low bid was submitted by Fox Excavating. A review of their bid proposal uncovered several inconsistencies in the bid, such as, improper wording of the unit bid price, missing figures on the unit bid price line, and a possible failure to extend a unit bid price to the total item price, based on the plan quantity (difficult to identify error due to missing unit price).

The second low bid, submitted by J & E Construction, is in order and represents a competitive bid price for this work, which was estimated at \$175,000. Therefore, I recommend the City award Contract Unit No. 2007-03 to J & E Construction in the amount of \$145,291.30.

Sincerely,

Mark Radtke  
Director of Public Works

Attachment

**Itemized Bid Tabulation**  
**City of Menasha Contract Unit No. 2007-03**  
**Lake Park Villas Stormwater Pond**

ITEM	QUANTITY	DESCRIPTION	Fox Excavating**		J&E Construction		Advance Construction	
			UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL
1	1	Lump Sum Stormwater Pond Construction	\$ 112,687.50	112,687.50	\$ 110,475.00	\$ 110,475.00	\$ 125,000.00	\$ 125,000.00
2	1	Outlet Structure/Ea.	\$ 3,933.00	\$ 3,933.00	\$ 5,845.00	\$ 5,845.00	\$ 4,000.00	\$ 4,000.00
3	60	42" Storm Sewer (RCP)/L.F.	\$ 71.54	\$ 4,292.40	\$ 81.54	\$ 4,892.40	\$ 75.00	\$ 4,500.00
4	1	42" Endwall Section/Ea.	\$ 1,961.40	\$ 1,961.40	\$ 2,368.00	\$ 2,368.00	\$ 2,000.00	\$ 2,000.00
5	1	Anti-Seep Collar/Ea.	\$ 1,000.00	\$ 1,000.00	\$ 1,187.00	\$ 1,187.00	\$ 1,180.00	\$ 1,180.00
6	2,100	Silt Fence for 3 Topsoil Piles (Includes Fill Site)/L.F.	\$ 1.00	\$ 2,100.00	\$ 1.30	\$ 2,730.00	\$ 1.00	\$ 2,100.00
7	1	Construct Temporary Berm/Ea.	\$ 960.00	\$ 960.00	\$ 1,800.00	\$ 1,800.00	\$ 1,300.00	\$ 1,300.00
8	2	Construct Temporary Drainage Swale/Ea.	\$ -	\$ 1,600.00	\$ 1,900.00	\$ 3,800.00	\$ 1,000.00	\$ 2,000.00
9	267	Rip Rap with Fabric/S.Y.	\$ 7.00	\$ 1,869.00	\$ 21.70	\$ 5,793.90	\$ 17.00	\$ 4,539.00
10	1	Spillway/Ea.	\$ 2,640.00	\$ 2,640.00	\$ 1,200.00	\$ 1,200.00	\$ 1,800.00	\$ 1,800.00
11	1	Tracking Pad/Ea.	\$ 400.00	\$ 400.00	\$ 700.00	\$ 700.00	\$ 700.00	\$ 700.00
12	1	Construction Mobilization/Demobilization; Traffic Control; Erosion Control; Project Coordination; all incidental work; and all other Project Work Area Restoration and Clean-up to an equal and/or better preconstruction condition, as required and related to the overall Project/Lump Sum	\$ 1,000.00	\$ 1,000.00	\$ 4,500.00	\$ 4,500.00	\$ 4,000.00	\$ 4,000.00
<b>TOTAL BASE BID (ITEMS 1-12)</b>			<b>\$</b>	<b>\$ 134,443.30</b>	<b>\$</b>	<b>\$ 145,291.30</b>	<b>\$</b>	<b>\$ 153,119.00</b>
<b>ALTERNATE BID ITEM</b>								
	10,000.0	Clay Liner/S.Y.	\$ 2.22	\$ 22,200.00	\$ 1.75	\$ 17,500.00	\$ 3.75	\$ 37,500.00

\*\* Recommendation to reject this bid due to Bid Proposal inconsistencies

**Itemized Bid Tabulation  
City of Menasha Contract Unit No. 2007-03  
Lake Park Villas Stormwater Pond**

ITEM	QUANTITY	DESCRIPTION	BASE BID		DMK		Radtke Contractors		Mueller Excavating	
			UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL
1	1	Lump Sum Stormwater Pond Construction	\$ 125,063.50	125,063.50	\$ 127,400.00	\$ 127,400.00	\$ 117,720.00	\$ 117,720.00		
2	1	Outlet Structure/Ea.	\$ 3,700.00	\$ 3,700.00	\$ 5,300.00	\$ 5,300.00	\$ 4,500.00	\$ 4,500.00		
3	60	42" Storm Sewer (RCP)/L.F.	\$ 76.00	\$ 4,560.00	\$ 79.00	\$ 4,740.00	\$ 110.00	\$ 6,600.00		
4	1	42" Endwall Section/Ea.	\$ 1,950.00	\$ 1,950.00	\$ 2,300.00	\$ 2,300.00	\$ 2,000.00	\$ 2,000.00		
5	1	Anti-Seep Collar/Ea.	\$ 800.00	\$ 800.00	\$ 950.00	\$ 950.00	\$ 700.00	\$ 700.00		
6	2,100	Silt Fence for 3 Topsoil Piles (Includes Fill Site)/L.F.	\$ 1.00	\$ 2,100.00	\$ 1.05	\$ 2,205.00	\$ 1.25	\$ 2,625.00		
7	1	Construct Temporary Berm/Ea.	\$ 700.00	\$ 700.00	\$ 1,000.00	\$ 1,000.00	\$ 500.00	\$ 500.00		
8	2	Construct Temporary Drainage Swale/Ea.	\$ 850.00	\$ 1,700.00	\$ 1,250.00	\$ 2,500.00	\$ 500.00	\$ 1,000.00		
9	267	Rip Rap with Fabric/S.Y.	\$ 17.51	\$ 4,675.17	\$ 25.00	\$ 6,675.00	\$ 40.00	\$ 10,680.00		
10	1	Spillway/Ea.	\$ 3,525.00	\$ 3,525.00	\$ 2,000.00	\$ 2,000.00	\$ 5,850.00	\$ 5,850.00		
11	1	Tracking Pad/Ea.	\$ 1,500.00	\$ 1,500.00	\$ 600.00	\$ 600.00	\$ 1,500.00	\$ 1,500.00		
12	1	Construction Mobilization/Demobilization; Traffic Control; Erosion Control; Project Coordination; all incidental work; and all other Project Work Area Restoration and Clean-up to an equal and/or better preconstruction condition, as required and related to the overall Project/Lump Sum	\$ 5,000.00	\$ 5,000.00	\$ 500.00	\$ 500.00	\$ 2,500.00	\$ 2,500.00		
<b>TOTAL BASE BID (ITEMS 1-12)</b>				<b>\$ 155,273.67</b>		<b>\$ 156,170.00</b>		<b>\$ 156,175.00</b>		
<b>ALTERNATE BID ITEM</b>										
	10,000.0	Clay Liner/S.Y.	\$ 3.63	\$ 36,300.00	\$ 3.40	\$ 34,000.00	\$ 2.00	\$ 20,000.00		

**Itemized Bid Tabulation**  
**City of Menasha Contract Unit No. 2007-03**  
**Lake Park Villas Stormwater Pond**

ITEM	QUANTITY	DESCRIPTION	BASE BID		Carl Bowers & Sons		RC Excavating		Integrity Grading & Excav.	
			UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL
1	1	Lump Sum Stormwater Pond Construction	\$ 135,000.00	135,000.00	\$ 139,000.00	\$ 139,000.00	\$ 153,910.00	\$ 153,910.00	\$ 153,910.00	\$ 153,910.00
2	1	Outlet Structure/Ea.	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 10,220.00	\$ 10,220.00	\$ 10,220.00	\$ 10,220.00
3	60	42" Storm Sewer (RCP)/L.F.	\$ 80.00	\$ 4,800.00	\$ 83.00	\$ 4,980.00	\$ 85.65	\$ 5,139.00	\$ 85.65	\$ 5,139.00
4	1	42" Endwall Section/Ea.	\$ 2,200.00	\$ 2,200.00	\$ 1,200.00	\$ 1,200.00	\$ 2,020.00	\$ 2,020.00	\$ 2,020.00	\$ 2,020.00
5	1	Anti-Seep Collar/Ea.	\$ 1,000.00	\$ 1,000.00	\$ 750.00	\$ 750.00	\$ 950.00	\$ 950.00	\$ 950.00	\$ 950.00
6	2,100	Silt Fence for 3 Topsoil Piles (Includes Fill Site)/L.F.	\$ 1.00	\$ 2,100.00	\$ 0.80	\$ 1,680.00	\$ 1.50	\$ 3,150.00	\$ 1.50	\$ 3,150.00
7	1	Construct Temporary Berm/Ea.	\$ 350.00	\$ 350.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00
8	2	Construct Temporary Drainage Swale/Ea.	\$ 800.00	\$ 1,600.00	\$ 700.00	\$ 1,400.00	\$ 1,875.00	\$ 3,750.00	\$ 1,875.00	\$ 3,750.00
9	267	Rip Rap with Fabric/S.Y.	\$ 27.00	\$ 7,209.00	\$ 15.00	\$ 4,005.00	\$ 16.00	\$ 4,272.00	\$ 16.00	\$ 4,272.00
10	1	Spillway/Ea.	\$ 2,000.00	\$ 2,000.00	\$ 1,500.00	\$ 1,500.00	\$ 2,650.00	\$ 2,650.00	\$ 2,650.00	\$ 2,650.00
11	1	Tracking Pad/Ea.	\$ 500.00	\$ 500.00	\$ 300.00	\$ 300.00	\$ 500.00	\$ 500.00	\$ 500.00	\$ 500.00
12	1	Construction Mobilization/Demobilization; Traffic Control; Erosion Control; Project Coordination; all incidental work; and all other Project Work Area Restoration and Clean-up to an equal and/or better preconstruction condition, as required and related to the overall Project/Lump Sum	\$ 500.00	\$ 500.00	\$ 4,000.00	\$ 4,000.00	\$ 3,800.00	\$ 3,800.00	\$ 3,800.00	\$ 3,800.00
<b>TOTAL BASE BID (ITEMS 1-12)</b>			<b>\$</b>	<b>\$ 162,259.00</b>	<b>\$</b>	<b>\$ 164,315.00</b>	<b>\$</b>	<b>\$ 190,861.00</b>	<b>\$</b>	<b>\$ 190,861.00</b>
<b>ALTERNATE BID ITEM</b>										
	10,000.0	Clay Liner/S.Y.	\$ 1.80	\$ 18,000.00	\$ 5.50	\$ 55,000.00	\$ 0.50	\$ 5,000.00	\$ 0.50	\$ 5,000.00

**Itemized Bid Tabulation  
City of Menasha Contract Unit No. 2007-03  
Lake Park Villas Stormwater Pond**

ITEM	QUANTITY	DESCRIPTION	BASE BID		R&R Wash Materials		Ed Gersek, Inc.		Dorner, Inc.	
			UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL
1	1	Lump Sum Stormwater Pond Construction	\$ 164,865.00	164,865.00	\$ 169,687.00	\$ 169,687.00	\$ 179,000.00	\$ 179,000.00	\$	\$ 179,000.00
2	1	Outlet Structure/Ea.	\$ 3,200.00	\$ 3,200.00	\$ 3,560.00	\$ 3,560.00	\$ 4,500.00	\$ 4,500.00	\$	\$ 4,500.00
3	60	42" Storm Sewer (RCP)/L.F.	\$ 70.00	\$ 4,200.00	\$ 84.00	\$ 5,040.00	\$ 60.00	\$ 3,600.00	\$	\$ 3,600.00
4	1	42" Endwall Section/Ea.	\$ 2,500.00	\$ 2,500.00	\$ 2,450.00	\$ 2,450.00	\$ 2,500.00	\$ 2,500.00	\$	\$ 2,500.00
5	1	Anti-Seep Collar/Ea.	\$ 1,000.00	\$ 1,000.00	\$ 1,370.00	\$ 1,370.00	\$ 975.00	\$ 975.00	\$	\$ 975.00
6	2,100	Silt Fence for 3 Topsoil Piles (Includes Fill Site)/L.F.	\$ 1.60	\$ 3,360.00	\$ 1.05	\$ 2,205.00	\$ 1.35	\$ 2,835.00	\$	\$ 2,835.00
7	1	Construct Temporary Berm/Ea.	\$ 1,000.00	\$ 1,000.00	\$ 520.00	\$ 520.00	\$ 1,250.00	\$ 1,250.00	\$	\$ 1,250.00
8	2	Construct Temporary Drainage Swale/Ea.	\$ 1,300.00	\$ 2,600.00	\$ 1,175.00	\$ 2,350.00	\$ 3,250.00	\$ 6,500.00	\$	\$ 6,500.00
9	267	Rip Rap with Fabric/S.Y.	\$ 30.00	\$ 8,010.00	\$ 22.85	\$ 6,100.95	\$ 35.00	\$ 9,345.00	\$	\$ 9,345.00
10	1	Spillway/Ea.	\$ 2,200.00	\$ 2,200.00	\$ 4,145.00	\$ 4,145.00	\$ 2,500.00	\$ 2,500.00	\$	\$ 2,500.00
11	1	Tracking Pad/Ea.	\$ 1,500.00	\$ 1,500.00	\$ 800.00	\$ 800.00	\$ 750.00	\$ 750.00	\$	\$ 750.00
12	1	Construction Mobilization/Demobilization; Traffic Control; Erosion Control; Project Coordination; all incidental work; and all other Project Work Area Restoration and Clean-up to an equal and/or better preconstruction condition, as required and related to the overall Project/Lump Sum	\$ 3,500.00	\$ 3,500.00	\$ 2,085.00	\$ 2,085.00	\$ 10,000.00	\$ 10,000.00	\$	\$ 10,000.00
<b>TOTAL BASE BID (ITEMS 1-12)</b>			<b>\$</b>	<b>\$ 197,935.00</b>	<b>\$</b>	<b>\$ 200,312.95</b>	<b>\$</b>	<b>\$ 223,755.00</b>	<b>\$</b>	<b>\$ 223,755.00</b>
<b>ALTERNATE BID ITEM</b>										
	10,000.0	Clay Liner/S.Y.	\$ 1.85	\$ 18,500.00	\$ 1.20	\$ 12,000.00	\$ 6.50	\$ 65,000.00	\$	\$ 65,000.00

**Itemized Bid Tabulation**  
**City of Menasha Contract Unit No. 2007-03**  
**Lake Park Villas Stormwater Pond**

ITEM	QUANTITY	DESCRIPTION	Ostrenga Excavating		DeGroot, Inc.	
			UNIT PRICE	ITEM TOTAL	UNIT PRICE	ITEM TOTAL
		<b>BASE BID</b>				
1	1	Lump Sum Stormwater Pond Construction	\$ 221,600.00	221,600.00	\$ 236,350.00	236,350.00
2	1	Outlet Structure/Ea.	\$ 4,310.00	\$ 4,310.00	\$ 3,923.00	\$ 3,923.00
3	60	42" Storm Sewer (RCP)/L.F.	\$ 89.40	\$ 5,364.00	\$ 68.51	\$ 4,110.60
4	1	42" Endwall Section/Ea.	\$ 4,291.00	\$ 4,291.00	\$ 2,420.00	\$ 2,420.00
5	1	Anti-Seep Collar/Ea.	\$ 1,760.00	\$ 1,760.00	\$ 1,313.00	\$ 1,313.00
6	2,100	Silt Fence for 3 Topsoil Piles (Includes Fill Site)/L.F.	\$ 1.10	\$ 2,310.00	\$ 2.00	\$ 4,200.00
7	1	Construct Temporary Berm/Ea.	\$ 1,810.00	\$ 1,810.00	\$ 1,010.00	\$ 1,010.00
8	2	Construct Temporary Drainage Swale/Ea.	\$ 2,910.00	\$ 5,820.00	\$ 2,525.00	\$ 5,050.00
9	267	Rip Rap with Fabric/S.Y.	\$ 37.90	\$ 10,119.30	\$ 21.75	\$ 5,807.25
10	1	Spillway/Ea.	\$ 890.00	\$ 890.00	\$ 2,020.00	\$ 2,020.00
11	1	Tracking Pad/Ea.	\$ 1,680.00	\$ 1,680.00	\$ 858.50	\$ 858.50
12	1	Construction Mobilization/Demobilization; Traffic Control; Erosion Control; Project Coordination; all incidental work; and all other Project Work Area Restoration and Clean-up to an equal and/or better preconstruction condition, as required and related to the overall Project/Lump Sum	\$ 6,110.00	\$ 6,110.00	\$ 10,000.00	\$ 10,000.00
<b>TOTAL BASE BID (ITEMS 1-12)</b>			<b>\$</b>	<b>\$ 266,064.30</b>	<b>\$</b>	<b>\$ 277,062.35</b>
<b>ALTERNATE BID ITEM</b>						
	10,000.0	Clay Liner/S.Y.	\$ 3.15	\$ 31,490.00	\$ 3.50	\$ 35,000.00



October 5, 2007

Board of Public Works  
City of Menasha  
Menasha, WI 54952

RE: Traffic Study Report – Intersection of Marquette Street and Elizabeth Street

Members of the Board:

The Board of Public Works directed that a Traffic Study be done to determine the need for traffic control signage at the intersection of Marquette Street and Elizabeth Street. The posted speed limit is 25 mph and there is no existing traffic control signage at the intersection. Marquette Street and Elizabeth Street are both typical residential streets at 33' wide (back of curb to back of curb). The traveled surface of Elizabeth Street north of Marquette Street does not line up with the traveled surface to the south of Marquette Street. This is due to an offset in the existing road right of way north and south of Marquette Street. The asphalt pavement and concrete curb and gutter on Marquette and Elizabeth to the north were constructed in 1988. The asphalt pavement and concrete curb and gutter on Elizabeth to the south were constructed in 1987. Concrete sidewalk is located on the north and south side of Marquette Street and there is no sidewalk located on Elizabeth Street. Parking is allowed on all legs of the intersection.

We conducted the traffic count on Wednesday, September 26, 2007 from 7:00 am to 5:00 pm. We observed the traffic from our Engineering vehicle south of Marquette Street on Elizabeth Street. A summary of what we observed is as follows:

Total number of vehicles observed on Marquette Street (westbound) – 45  
Total number of vehicles observed on Marquette Street (eastbound) – 54  
Total number of vehicles observed on Marquette Street (both ways) – 99  
Total number of vehicles observed on Elizabeth Street (northbound) – 46  
Total number of vehicles observed on Elizabeth Street (southbound) – 44  
Total number of vehicles observed on Elizabeth Street (both ways) – 90

Please find enclosed the accident reports for the area of the intersection for the last twelve years. There have been a total of three accidents. Two were right angle accidents while the latest accident involved a vehicle hitting a tree.

The accident history or vehicular volumes do not meet the warrants for a Stop sign or a Yield sign application, according to the Manual on Uniform Traffic Control Devices (MUTCD). I believe a restricted view does meet a warrant. At this particular intersection I believe the following MUTCD guidance applies.

*“STOP signs should be installed in a manner that minimizes the number of vehicles having to stop. At intersections where a full stop is not necessary at all times, consideration should be given to using less restrictive measures such as YIELD signs.”*

According to the American Association of State Highway and Transportation Officials (AASHTO), each leg of the site triangle for an intersection that has no traffic control and a 25 mph design speed, is 115 feet (see attached drawing). This clear site triangle area will permit the vehicle on either street to stop, if necessary, before reaching the intersection. At this particular intersection there is not the clear site triangle within that 115 foot leg. A design speed of 30 mph will increase that site triangle distance to 140 feet each way of the intersection (see attached drawing).

The majority of the vehicles observed while doing the traffic count and reviewing site triangles, appear to be local to the immediate residential area. Most vehicles approach the intersection with caution at a reduced speed. The number of vehicles is essentially equal between the two streets and that creates confusion as to which is the minor street.

In reviewing the traffic counts, as well as accident records and observations made in the field, I recommend that the City place yield signs on Elizabeth Street where it intersects with Marquette Street because of the lack of clear site triangles.

Sincerely,



Tim J. Montour  
Engineering Supervisor

Enclosures

C: Street file

# DETAILS OF ACCIDENT HISTORY

PERIOD STUDIED: FROM: _____ TO: _____ 0 MONTHS		ROUTE NUMBER/STREET NAME: <u>Marquette St.</u> LOCATION <u>at Elizabeth St.</u> MUNICIPALITY: <u>Menasha</u> COUNTY: <u>Winnebago</u> REFERENCE MARKERS / NODES: _____				CASE No. _____ FILE: <u>marquette_elizab</u> BY: _____ cr DATE: <u>9/28/2007</u>						
No.	DATE	TIME	# VEHICLES	S E V E R I T Y	L I G H T C O N D	R O A D C H A R	S U R F A C E	W E A T H E R	CONTRIB. FACTORS	ACC. TYPE	ACCIDENT DESCRIPTION	KEY #
3	1/2/2003	21:15	1	PDO	4	1	4	2	19 66	FixO	unit 1 heading east when it lost control and struck a tree	
1	8/19/1995	20:01		INJ			1	2		RAN		
2	2/19/2000	14:39		PDO			1	1		RAN		

# ACCIDENT SUMMARY SHEET

ROUTE: Marquette St. LOCATION: at Elizabeth St.

MUNICIPALITY: Menasha COUNTY: Winnebago

TIME PERIOD COVERED: - REFERENCE MARKERS / NODES: -

REMARKS: All Accidents DATE: 9/28/2007

TIME OF DAY	# ACC	%	DIRECTION	# ACC	%	DIRECTION	# ACC	%
6 AM - 10 AM	0	0.0%	North	0	0.0%	Northeast	0	0.0%
10 AM - 4 PM	1	33.3%	South	2	40.0%	Northwest	0	0.0%
4 PM - 7 PM	0	0.0%	East	2	40.0%	Southeast	0	0.0%
7 PM - 12 AM	2	66.7%	West	1	20.0%	Southwest	0	0.0%
12 AM - 6 AM	0	0.0%						
Unspecified	0	0.0%	<b>Total</b>	<b>5</b>		Unspecified	0	0.0%
<b>Total</b>	<b>3</b>							

WEATHER	# ACC	%	ACCIDENT TYPE	# ACC	%	ACCIDENT TYPE	# ACC	%
Clear	1	33.3%	Rear End	0	0.0%	Pedestrian	0	0.0%
Cloudy	2	66.7%	Overtake	0	0.0%	Bicycle	0	0.0%
Rain	0	0.0%	Right Angle	2	66.7%	Parked Vehicle	0	0.0%
Snow	0	0.0%	Left Turn	0	0.0%	Backing	0	0.0%
Sleet/Hail/Freezing Rain	0	0.0%	Right Turn	0	0.0%	Run Off The Road	0	0.0%
Fog/Smog/Smoke	0	0.0%	Fixed Object	1	33.3%	Animal	0	0.0%
Unspecified	0	0.0%	Head On	0	0.0%	Other	0	0.0%
			Sideswipe	0	0.0%	Unspecified	0	0.0%
<b>Total</b>	<b>3</b>		<b>Total</b>	<b>3</b>				

SURFACE	# ACC	%
Dry	2	66.7%
Wet	0	0.0%
Mud/Slush	0	0.0%
Snow/Ice	1	33.3%
Unspecified	0	0.0%
<b>Total</b>	<b>3</b>	

ACCIDENT SEVERITY	# ACC	%
Fatal	0	0.0%
Injury	1	33.3%
Property Damage	2	66.7%
Non-Reportable	0	0.0%
<b>Total</b>	<b>3</b>	

TIME OF YEAR	# ACC	%
Winter (Dec-Feb)	2	66.7%
Spring (Mar-May)	0	0.0%
Summer (Jun-Aug)	1	33.3%
Fall (Sep-Nov)	0	0.0%
<b>Total</b>	<b>3</b>	

TYPE OF VEHICLE	# ACC	%
Passenger Cars	1	100.0%
Commercial Vehicles	0	0.0%
<b>Total</b>	<b>1</b>	

DAY OF WEEK	# ACC	%
Sunday	0	0.0%
Monday	0	0.0%
Tuesday	0	0.0%
Wednesday	0	0.0%
Thursday	1	33.3%
Friday	0	0.0%
Saturday	2	66.7%
<b>Total</b>	<b>3</b>	

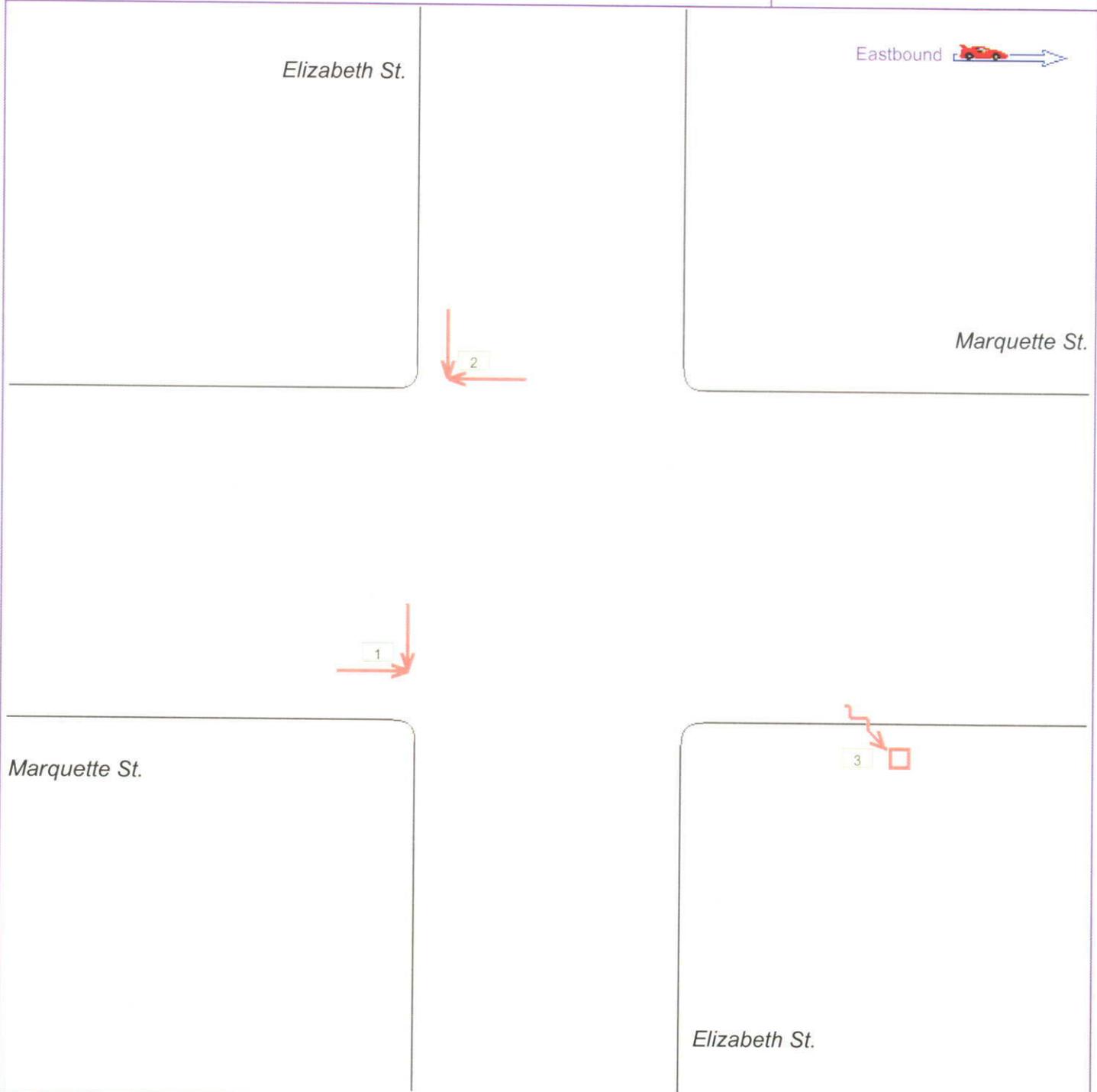
LIGHT CONDITION	# ACC	%
Daylight	0	0.0%
Dawn/Dusk	0	0.0%
Night	1	33.3%
Unspecified	2	66.7%
<b>Total</b>	<b>3</b>	

SUMMARY OF ACCIDENT SEVERITY BY YEAR:	
Fatal Accidents	0
Injury Accidents	0
Property Damage Accidents	0
Non-Reportable Accidents	0
<b>Total Accidents</b>	<b>0</b>

# COLLISION DIAGRAM

Key Number =

MUNICIPALITY: <u>Menasha</u>	COUNTY: <u>Winnebago</u>	FILE: <u>marquette_elizab</u>
INTERSECTION: <u>Marquette St.</u>		CASE # : _____
PERIOD: <u>0</u> YEARS <u>0</u> MONTHS	FROM _____ TO _____	BY: <u>cr</u> DATE: <u>9/28/2007</u>



SYMBOLS		MANNER OF COLLISION	
MOVING VEHICLE	<b>P</b> PEDESTRIAN	REAR END	HEAD ON
TURNING VEHICLE	<b>B</b> BICYCLIST	LEFT TURN	RIGHT TURN
BACKING VEHICLE	<b>A</b> ANIMAL	LEFT TURN	RIGHT TURN
PARKED VEHICLE	FIXED OBJECT	OVERTAKE	RIGHT ANGLE
<span style="border: 1px solid black; padding: 2px;">999</span> RECORD NUMBER	<span style="border: 1px solid black; padding: 2px;">Fatal</span> Fatal	OUT OF CONTROL	SIDE SWIPE

MARQUETTE STREET

ELIZABETH STREET

25 MPH - 115 FOOT SITE DISTANCE

30 MPH - 140 FOOT SITE DISTANCE



SCALE: 1" = 50' ±