

VILLAGE OF SHOREWOOD HILLS

BOARD OF TRUSTEES

Meeting Announcement & Agenda at 7:30 a.m.

Thursday, May 3, 2018

Village Hall, 810 Shorewood Boulevard

1. Call to Order
2. Roll Call
3. Statement of Public Notice
4. Procedures Orientation
5. Board Matters
 - A. New Business Resolutions and Motions
 - i) Consider approval of intergovernmental agreement and project with City of Madison for intersection modifications, installation of partial signal light and pedestrian crossing at the intersection of University Avenue, Maple Terrace and Hilldale Way
6. Adjourn

PLEASE TAKE NOTICE, that any person who has a qualifying disability as defined by the Americans with Disability Act that requires the meeting or materials at the meeting to be in an accessible location or format, should contact the Municipal Clerk, 810 Shorewood Boulevard, or phone 267-2680, during regular business hours at least 48 hours before the meeting so that reasonable arrangements can be made to accommodate each request.

It is possible that members of, and possibly a quorum of members of other governmental bodies of the Village of Shorewood Hills who are not members of the above committee may be in attendance at the above stated meeting to gather information. However, no formal action will be taken by any governmental body at the above meeting other than the committee identified in the caption of this notice.

NOTES TO THE AGENDA MAY 3, 2018

Consider approval of intergovernmental agreement and project with City of Madison for intersection modifications, installation of partial signal light and pedestrian crossing at the intersection of University Avenue, Maple Terrace and Hilldale Way - The Public Works Committee is recommending the Village; in partnership with the City of Madison proceed with a project to install a partial signal at the intersection of Maple Terrace and Hilldale Way. The corporate boundary between the City and Village runs down the median of University Avenue, so projects that include both east and west bound lanes require inter-governmental agreements to engage in and cost share projects.

The project will prevent left turns from Hilldale Way westbound and from Maple Terrace eastbound onto University Avenue but via green arrow will allow east and westbound traffic on University to make left turns in. This type of signal allows for a red light one direction and a green the other direction at the same time, which provides for adequate traffic flow on the busy corridor. It also will provide a much better pedestrian crossing point and should help to decrease the numerous collisions in this intersection. The median crossing refuge will also be quite large compared to the similar signal arrangement at Ridge and Marshall Court. We expect to see numerous pedestrians choose this crossing over the Midvale intersection. The downside is that one will no longer be able to make a left turn off Maple Terrace onto eastbound University. However, one will be able to make a right and proceed down to the new intersection being built at Hill Farms and make a U-turn.

The final estimated cost of the project is \$500,000 to be split 50- 50. The Village has put itself in a good position to handle projects like this because of a tax increment district that we established that also has the financial capacity to pay for this project. After final payments are made on the Locust Drive project, TIF IV will have about \$75,000 in unspent debt proceeds to apply. It will also be generating roughly \$100,000 in annual surplus partly due to the revaluation and increased property values. Short-term funds necessary to pay for the project can be advanced from the general fund. (Up to \$175,000) The 2017 audit will also show that in 2017, TID IV was able pay back \$159,000 of the \$239,000 advance the general fund made to it previously, so it is performing well above expectations.

There is also a good possibility the Village will be borrowing funds in the not to distant future for TIF III improvements and the Village can consider whether to include costs for this project in that borrowing if we wish to eliminate any advance. However, given the recent performance of this district it can likely repay an advance of this magnitude by next year.

Attachments: Intergovernmental agreement, cost estimate, design schematic, email from City Traffic engineering, reconciliation of all funds debt proceeds

**COST SHARING AGREEMENT FOR THE INSTALLATION, OPERATION AND
MAINTENANCE OF TRAFFIC CONTROL SIGNALS AND STREET LIGHTING ON
UNIVERSITY AVENUE**

Between the City of Madison and Village of Shorewood Hills

THIS AGREEMENT, entered into by and between the City of Madison, a Wisconsin municipal corporation (hereinafter referred to as “City”), and the Village of Shorewood Hills, a Wisconsin municipal corporation (hereinafter referred to as “Village”), is effective as of the date by which both parties have signed hereunder.

WITNESSETH:

WHEREAS, Wisconsin Statutes, Section 66.0301, authorizes cities, villages, towns, counties, and other public agencies to contract for the receipt or furnishing of services, or the joint exercise of any power or duty required or authorized by law; and,

WHEREAS, the City and the Village (the “Parties”) share a nearly 6,000 foot long boundary that runs along or through University Avenue, from roughly University Bay Drive/Farley Avenue west to approximately 620 feet west Maple Terrace (the “University Avenue Corridor”); and,

WHEREAS, University Avenue is also known as County Trunk Highway MS and is partially the responsibility of Dane County (the “County”); and,

WHEREAS, along the University Avenue Corridor, there are four existing traffic signals, and numerous street lights, all of which are subject to a maintenance and operation cost sharing agreement entered into by the Parties on July 25, 2011 (the “2011 Agreement”); and,

WHEREAS, the County also has an agreement with the City, dated November 9, 1999, regarding the maintenance and operation of some of the traffic signals and street lights within the University Avenue Corridor; and,

WHEREAS, the Parties have found it necessary and desirable to signalize the intersection at Hilldale Way, Maple Terrace and University Avenue (the “Project”) in order to improve traffic flow and promote safety; and,

WHEREAS, the Parties have agreed to apportion the costs of the Project and the ongoing maintenance and operation costs for the new signals, and also wish to restate the existing cost sharing agreement for the University Avenue Corridor.

NOW, THEREFORE, in consideration of the mutual covenants contained herein and other good and valuable consideration, the receipt and sufficiency of which are hereby mutually acknowledged, the Parties agree as follows:

1. Purpose. The Purpose of this Cost Sharing Agreement for the Installation, Operation and Maintenance of Traffic Control Signals and Street Lighting on University Avenue (the “Agreement”) is to set forth the terms and conditions agreed to by the Parties for the apportionment of Project costs, and the sharing of ongoing operation and maintenance costs for the five traffic signals and numerous street lights on the University Avenue Corridor.
2. Term. This Agreement shall be in effect until terminated by either party. Either party may terminate this contract at any time, but only by giving the other party written notice no less than six months in advance of the date of termination, and subject to the Parties’ agreement as to who is fully responsible for each traffic signal and street light within the University Avenue Corridor.
3. The Project. The Project shall consist of installing the new traffic signal at Hilldale Way, Maple Terrace and University Avenue and the equipment needed to connect the signal to the City’s centralized control system. The Parties agree to equally share the costs of the Project and both acknowledge that the County will not participate in the Project. The City shall manage the Project and the installation of the new traffic signals and any necessary street lighting. The City will provide the Village any plans and specifications associated with the Project if requested. Upon completion of the Project, the Village will reimburse Madison for the final Project costs within 60 days of billing. Any amendments to this cost sharing provision shall be made in writing.
4. Responsibility for Signals and Street Lights. The City shall be responsible for the operation and maintenance of the traffic signals and street lights at locations listed in this agreement.
5. Ongoing Operation and Maintenance Costs. The ongoing cost of operation and maintenance, including electrical energy, capital improvements, engineering, communication, signal management software licenses and maintenance fees, liability insurance and administration, of the University Avenue Corridor traffic signals and street lights shall be shared by the Parties as follows:

SIGNAL LOCATION	VILLAGE SHARE	CITY SHARE	COUNTY SHARE
Campus Drive, Farley Avenue, University Bay Drive and University Avenue	25%	75%	0%
Hill Street, Shorewood Boulevard and University Avenue	25%	25%	50%
Marshall Court, Ridge Street and University Avenue	50%	50%	0%
Hilldale Way, Maple Terrace and University Avenue	50%	50%	0%
Midvale Boulevard, Rose Place and University Avenue	25%	25%	50%

STREET	STREET LIGHT LOCATIONS	VILLAGE SHARE	CITY SHARE	COUNTY SHARE
University Avenue	Both sides of University Avenue, from west of Farley Avenue/University Bay Drive to approximately 660 feet west of Maple Terrace	25%	25%	50%
Joyce Erdman Place	All lights on Joyce Erdman Place	100%	0%	0%

6. **Dane County's Share.** Because University Avenue is a County Trunk Highway, the County is currently legally responsible for a share of a portion of the City's costs attributable to the operation and maintenance of some of the traffic signals and street lights covered by this Agreement. Dane County's share is represented in Section 5. In the event that Dane County is no longer legally responsible for a share of these costs, the Parties agree to each assume 50% of the County's share as represented in Section 5, unless otherwise agreed to by the Parties in writing.
7. **Payment.** City shall prepare invoices for the operation and maintenance costs of the traffic signals and street lights pursuant to the allocations set forth in Section 5. The Village shall pay City within thirty (30) days after invoices are submitted by City. Billings shall be made on a quarterly basis or annual basis at the discretion of City.
8. **Prior Agreements.** All previous agreements between the Parties relating to operating, maintenance and cost-sharing of any traffic signal or street light at any location listed in this agreement, including the 2011 Agreement, are hereby terminated, and this agreement supersedes any such agreement(s).
9. **Non-Discrimination.** In the performance of the obligations under this Agreement, the parties agree to abide by their own respective affirmative action plans and in doing so agree not to discriminate, in violation of any state or federal law, against any employee or applicant because of race, religion, marital status, age, color, sex, handicap, national origin or ancestry, income level or source of income, arrest record or conviction record, less than honorable discharge, physical appearance, sexual orientation, gender identity, political beliefs, or student status. The parties further agree not to discriminate, in violation of any state or federal law, against any subcontractor, or person who offers to subcontract on this Agreement, because of race, religion, color, age, disability, sex, sexual orientation, gender identity or national origin.
10. **Liability.** Each party shall be responsible for the consequences of its own acts, errors, or omissions and those of its employees, boards, commissions, agencies, officers, and representatives and shall be responsible for any losses, claims, and liabilities which are attributable to such acts, errors, or omissions including providing its own defense. In situations including joint liability, each party shall be responsible for the consequences of its own acts, errors, or omissions and those of its employees, agents, boards, commissions,

agencies, officers and representatives. It is not the intent of the parties to impose liability beyond that imposed by state statutes.

11. Joint Preparation. Each Party and its counsel have participated fully in the review and revision of this Agreement and acknowledge that the preparation of this Agreement has been their joint effort. The language agreed to expresses their mutual intent and the resulting document shall not, solely as a matter of judicial construction, be construed more severely against one of the Parties than the other. The language in this Agreement shall be interpreted as to its fair meaning and not strictly for or against any party.
12. Binding on Parties; Amendments. This Agreement shall be binding on the Parties hereto, and cannot be varied or waived by any oral representations or promise of any agent or other person of the Parties hereto unless the same is in writing and is signed by both the Parties or their authorized agents.
13. Third Party Rights. This Agreement is intended to be solely between the Parties hereto. No part of this Agreement shall be construed to add, supplement, amend, abridge or repeal existing rights, benefits or privileges of any third party or parties, including but not limited to employees of either of the Parties.
14. Entire Agreement. The entire agreement of the Parties is contained herein and this Agreement supersedes any and all oral contracts and negotiations between the Parties.
15. Compliance; Authority. Each party warrants for itself that it has complied with all applicable statutes, rules, orders, ordinances, requirements and regulations to execute this Agreement, and that the person or persons executing this Agreement on its behalf is authorized to do so.
16. Counterparts. The parties may evidence their agreement to the foregoing upon one or several counterparts of this instrument, which together shall constitute a single instrument.

IN WITNESS WHEREOF, the PARTIES hereto have caused this Agreement to be executed by their proper officers on the day and year written below.

FOR THE VILLAGE OF SHOREWOOD HILLS

Dave Benforado, Village President

Date

FOR THE CITY OF MADISON

Paul Soglin, Mayor

Date

Maribeth Witzel-Behl, City Clerk

Date

Countersigned:

David P. Schmiedicke, Finance Director

Date

Approved as to form:

Michael P. May, City Attorney

Date

Execution of this Agreement by the City of Madison is authorized by Resolution Enactment No. RES-18-_____,
ID No. _____, adopted by the Common Council of the City of Madison on _____.

NAME OF BIDDER

PROPOSAL

Hilldale Way - Maple Terrace – University Avenue Traffic Signal
Assessment District (Preliminary Estimate)

CONTRACT NO. Xxxx

ITEM	TYPE OF WORK	ESTIMATED QUANTITIES		UNIT PRICE BID	TOTAL BID
MUNIS STREET ACCOUNT NO. 45852-402-170					
10701	TRAFFIC CONTROL	1.00	LS	\$40,000.00	\$40,000.00
10720	TRAFFIC CONTROL SIGN-PORTABLE ARROW BOARD	60.00	DAYS	\$35.00	\$2,100.00
10721	TRAFFIC CONTROL SIGN - PORTABLE CHANGEABLE MESSAGE	20.00	DAYS	\$80.00	\$1,600.00
10801	ROOT CUTTING - CURB & GUTTER	0.00	LF	\$10.00	\$0.00
10802	ROOT CUTTING - SIDEWALK	0.00	LF	\$10.00	\$0.00
10911	MOBILIZATION	1.00	LS	\$20,000.00	\$20,000.00
20101	EXCAVATION CUT	140.00	CY	\$16.00	\$2,240.00
20140	GEOTEXTILE FABRIC TYPE SAS (NON- WOVEN)	200.00	SY	\$2.00	\$400.00
20219	BREAKER RUN	20.00	TON	\$13.00	\$260.00
20221	TOPSOIL	50.00	SY	\$4.00	\$200.00
20301	SAWCUT CONCRETE PAVEMENT, FULL DEPTH	0.00	LF	\$1.50	\$0.00
20303	SAWCUT BITUMINOUS PAVEMENT, FULL DEPTH	250.00	LF	\$1.50	\$375.00
20321	REMOVE CONCRETE PAVEMENT	0.00	SY	\$4.00	\$0.00
20322	REMOVE CONCRETE CURB & GUTTER	440.00	LF	\$4.00	\$1,760.00
20323	REMOVE CONCRETE SIDEWALK & DRIVE	400.00	SF	\$2.00	\$800.00
20401	CLEARING	0.00	I.D.	\$12.00	\$0.00
20403	GRUBBING	0.00	I.D.	\$12.00	\$0.00
20701	TERRACE SEEDING	50.00	SY	\$1.50	\$75.00
21063	EROSION MATTING, CLASS I, TYPE A - ORGANIC	50.00	SY	\$2.00	\$100.00
30201	TYPE 'A' CONCRETE CURB & GUTTER	50.00	LF	\$16.00	\$800.00
30207	TYPE 'H' CONCRETE CURB & GUTTER	370.00	LF	\$16.00	\$5,920.00
30203	TYPE 'X' CONCRETE CURB & GUTTER	20.00	LF	\$30.00	\$600.00
30208	HAND FORMED CONCRETE CURB & GUTTER (TREE & DRIVEWAY LOCATIONS)	0.00	LF	\$30.00	\$0.00
30301	5" CONCRETE SIDEWALK	350.00	SF	\$5.00	\$1,750.00
30302	7" CONCRETE SIDEWALK AND DRIVE	700.00	SF	\$6.00	\$4,200.00

**Hilldale Way - Maple Terrace – University Avenue Traffic Signal
Assessment District (Preliminary Estimate)**

CONTRACT NO. Xxxx

ITEM	TYPE OF WORK	ESTIMATED QUANTITIES		UNIT PRICE BID	TOTAL BID
30311	CONCRETE MOUNTABLE MEDIAN ISLAND NOSE	170.00	SF	\$20.00	\$3,400.00
30340	CURB RAMP DETECTABLE WARNING FIELD	48.00	SF	\$35.00	\$1,680.00
40101	CRUSHED AGGREGATE BASE COURSE, GRADATION 1	0.00	TON	\$13.00	\$0.00
40102	CRUSHED AGGREGATE BASE COURSE, GRADATION 2	550.00	TON	\$13.00	\$7,150.00
40203	HMA PAVEMENT TYPE E-3	200.00	TON	\$60.00	\$12,000.00
40211	BITUMINOUS TACK COAT	50.00	GAL	\$3.00	\$150.00
40301	FULL WIDTH GRINDING	1,400.00	SY	\$10.00	\$14,000.00
60801	PAVEMENT MARKING EPOXY, DOUBLE LINE, 4-INCH	0.00	L.F.	\$1.00	\$0.00
60802	PAVEMENT MARKING EPOXY, LINE, 6- INCH	800.00	L.F.	\$0.75	\$600.00
60803	PAVEMENT MARKING EPOXY, LINE, 8- INCH	190.00	L.F.	\$1.00	\$190.00
60812	PAVEMENT MARKING EPOXY, CROSSWALK, 6-INCH	150.00	L.F.	\$6.00	\$900.00
60816	PAVEMENT MARKING EPOXY, CONTINENTAL CROSSWALK, 18-INCH	252.00	L.F.	\$9.00	\$2,268.00
60818	PAVEMENT MARKING EPOXY, STOP LINE, 24-INCH	140.00	L.F.	\$13.00	\$1,820.00
60826	PAVEMENT MARKING EPOXY, SYMBOL, BIKE LANE & STRAIGHT ARROW	2.00	EACH	\$150.00	\$300.00
60829	PAVEMENT MARKING EPOXY, SYMBOL, LEFT ARROW	3.00	EACH	\$200.00	\$600.00
60830	PAVEMENT MARKING EPOXY, SYMBOL, RIGHT ARROW	1.00	EACH	\$200.00	\$200.00
60834	PAVEMENT MARKING EPOXY, WORD, ONLY	2.00	EACH	\$275.00	\$550.00
60881	PAVEMENT MARKING REMOVAL, 6- INCH	102.00	L.F.	\$2.00	\$204.00
60882	PAVEMENT MARKING REMOVAL, 8- INCH	150.00	L.F.	\$2.00	\$300.00
60885	PAVEMENT MARKING REMOVAL, 24- INCH	23.00	L.F.	\$4.00	\$92.00
90004	SIGNS REFLECTIVE TYPE I	150.00	SF	\$25.00	\$3,750.00

**Hilldale Way - Maple Terrace – University Avenue Traffic Signal
Assessment District (Preliminary Estimate)**

CONTRACT NO. Xxxx

ITEM	TYPE OF WORK	ESTIMATED QUANTITIES		UNIT PRICE BID	TOTAL BID
MUNIS STREET/STORM ACCOUNT NO. 45852-402-174					
20217	CLEAR STONE	500.00	TON	\$15.00	\$7,500.00
20313	REMOVE INLET	3.00	EACH	\$1,000.00	\$3,000.00
20314	REMOVE PIPE	50.00	L.F.	\$100.00	\$5,000.00
20501	ADJUST SEWER ACCESS STRUCTURE	1.00	EACH	\$600.00	\$600.00
21002	EROSION CONTROL INSPECTION	2.00	EACH	\$500.00	\$1,000.00
21011	CONSTRUCTION ENTRANCE	1.00	EACH	\$1,000.00	\$1,000.00
21012	STREET CONSTRUCTION ENTRANCE BERM	1.00	EACH	\$1,000.00	\$1,000.00
21013	STREET SWEEPING	1.00	LUMP SUM	\$5,000.00	\$5,000.00
21017	SILT SOCK (8 INCH) - COMPLETE	30.00	L.F.	\$12.00	\$360.00
21032	INLET PROTECTION, TYPE C - PROVIDE & INSTALL	8.00	EACH	\$50.00	\$400.00
21033	INLET PROTECTION, TYPE C - MAINTAIN	24.00	EACH	\$50.00	\$1,200.00
21034	INLET PROTECTION, TYPE C - REMOVE	8.00	EACH	\$50.00	\$400.00
21056	INLET PROTECTION TYPE D HYBRID - PROVIDE & INSTALL	8.00	EACH	\$130.00	\$1,040.00
21057	INLET PROTECTION TYPE D HYBRID - MAINTAIN	16.00	EACH	\$60.00	\$960.00
21058	INLET PROTECTION TYPE D HYBRID - REMOVE	8.00	EACH	\$60.00	\$480.00
50211	SELECT FILL FOR STORM SEWER MAIN	200.00	L.F.	\$1.00	\$200.00
50401	12 INCH TYPE I RCP STORM SEWER PIPE	100.00	L.F.	\$70.00	\$7,000.00
50405	24 INCH TYPE I RCP STORM SEWER PIPE	100.00	L.F.	\$110.00	\$11,000.00
50499	CONCRETE COLLAR	1.00	EACH	\$1,500.00	\$1,500.00
50723	3'X3' STORM SAS	1.00	EACH	\$5,000.00	\$5,000.00
50741	TYPE H INLET	4.00	EACH	\$2,300.00	\$9,200.00
50792	STORM SEWER TAP	2.00	EACH	\$1,200.00	\$2,400.00
50801	UTILITY LINE OPENING (ULO)	10.00	EACH	\$500.00	\$5,000.00
					\$

**Hilldale Way - Maple Terrace – University Avenue Traffic Signal
Assessment District (Preliminary Estimate)**

CONTRACT NO. Xxxx

ITEM	TYPE OF WORK	ESTIMATED QUANTITIES	UNIT PRICE BID	TOTAL BID	
MUNIS SIGNALS ACCOUNT NO. 45852-402-176					
50225	UTILITY TRENCH PATCH TYPE III		T.F.	\$50.00	\$0.00
60221	FURNISH & INSTALL 3 INCH PVC (SCHEDULE 80) CONDUIT BY "OPEN TRENCH METHOD"	668.00	L.F.	\$10.00	\$6,680.00
60222	FURNISH & INSTALL 3 INCH PVC (SCHEDULE 80) CONDUIT	243.00	L.F.	\$9.00	\$2,187.00
60223	FURNISH & INSTALL 3 INCH PVC (SCHEDULE 40) CONDUIT BY "OPEN TRENCH METHOD"	19.00	L.F.	\$9.00	\$171.00
60224	FURNISH & INSTALL 3 INCH PVC (SCHEDULE 40) CONDUIT	18.00	L.F.	\$8.00	\$144.00
60230	FURNISH & INSTALL 2 INCH PVC (SCHEDULE 80) CONDUIT	377.00	L.F.	\$7.00	\$2,639.00
60231	FURNISH & INSTALL 2 INCH PVC (SCHEDULE 40) CONDUIT BY "OPEN TRENCH" METHOD	56.00	L.F.	\$8.00	\$448.00
60241	GOPHER RACEWAY FOR ELECTRICAL CONDUIT OR CABLE-IN-DUCT	220.00	L.F.	\$30.00	\$6,600.00
60407	CONSTRUCT LB-8 BASE	1.00	EACH	\$900.00	\$900.00
60411	CONSTRUCT TYPE "G" BASE	6.00	EACH	\$700.00	\$4,200.00
60413	CONSTRUCT TYPE "P" BASE	1.00	EACH	\$1,300.00	\$1,300.00
60427	REMOVE ELECTRICAL HANDHOLE	1.00	EACH	\$350.00	\$350.00
60702	CONSTRUCT ELECTRICAL HANDHOLE TYPE 1	2.00	EACH	\$850.00	\$1,700.00
60708	CONSTRUCT ELECTRICAL HANDHOLE TYPE 5	6.00	EACH	\$1,000.00	\$6,000.00
SPECIAL	CONSTRUCT TYPE 13 BASE	2.00	EACH	\$5,000.00	\$10,000.00

**Hilldale Way - Maple Terrace – University Avenue Traffic Signal
Assessment District (Preliminary Estimate)**

CONTRACT NO. Xxxx

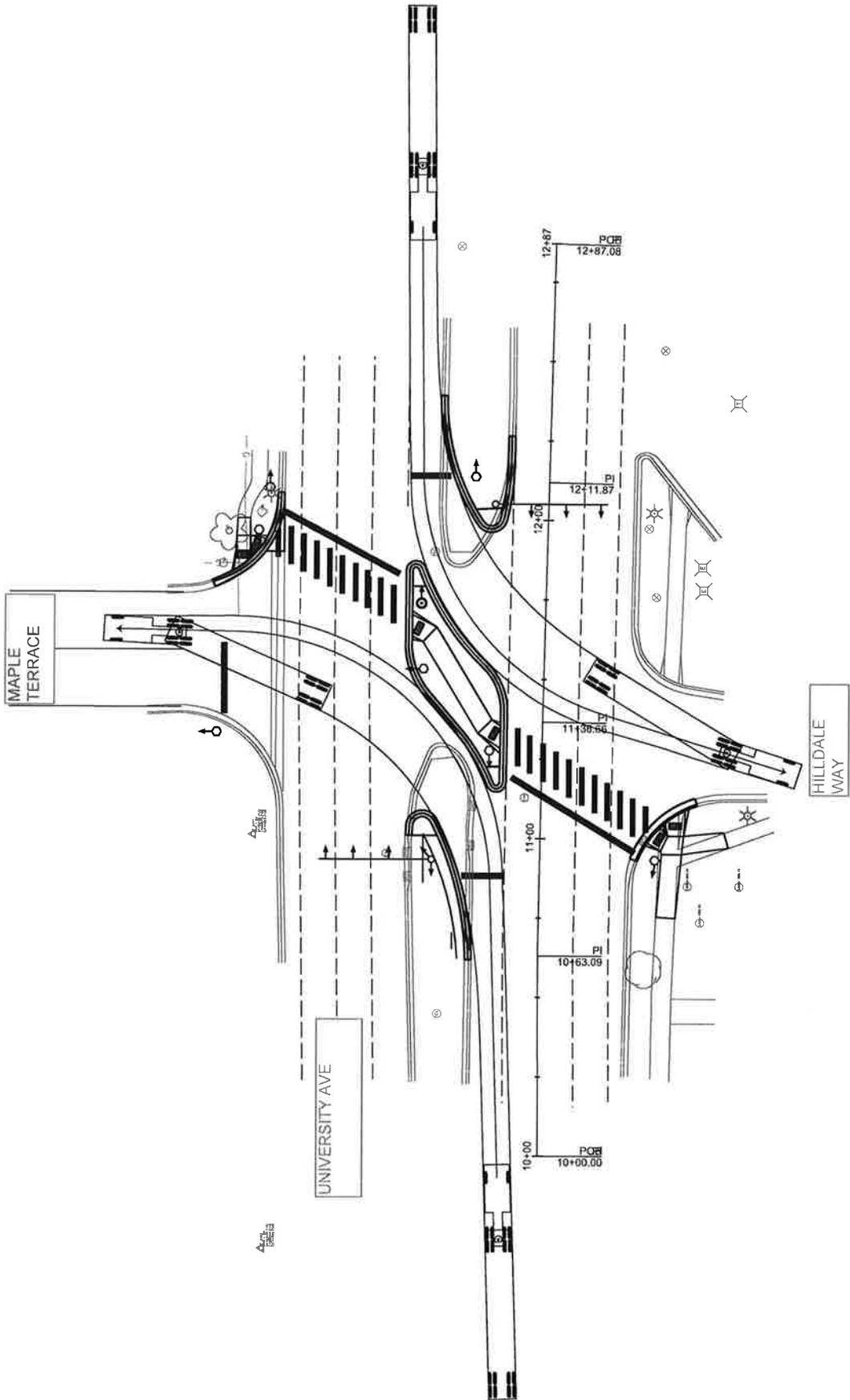
ITEM	TYPE OF WORK	ESTIMATED QUANTITIES		UNIT PRICE BID	TOTAL BID
MUNIS STREET LIGHTING ACCOUNT NO. 45852-402-177					
50225	UTILITY TRENCH PATCH TYPE III	0.00	T.F.	\$50.00	\$0.00
60230	FURNISH & INSTALL 2 INCH PVC (SCHEDULE 80) CONDUIT	112.00	L.F.	\$7.00	\$784.00
60231	FURNISH & INSTALL 2 INCH PVC (SCHEDULE 40) CONDUIT BY "OPEN TRENCH" METHOD	4.00	L.F.	\$8.00	\$32.00
60532	FURNISH & INSTALL 3 #4 & 1 #8 WIRES IN EXISTING OR CONTRACTOR INSTALLED CONDUIT	295.00	L.F.	\$3.65	\$1,076.75
60403	CONSTRUCT LB-3 BASE	2.00	EACH	\$575.00	\$1,150.00
60421	REMOVE STREET LIGHT BASE	1.00	EACH	\$750.00	\$750.00

Sub Total

\$250,685.75

ENGINEERING (15%)	\$37,602.86
CONTINGENCY (8%)	\$20,054.86
TE PURCHASES*	\$135,261.30
TE LABOR (10%)	\$25,068.58
SIGN SHOP LABOR (5%)	\$12,534.29
TOTAL ESTIMATE	\$481,207.64

* TE Purchases includes signal and street light structures, materials, and equipment such as wiring, poles, fixtures, signal heads, and traffic signal controller equipment.



Karl,

The City of Madison has reviewed the crash history of the Hilldale Way – Maple Terrace – University Avenue intersection over the past five years. During that five year period, the intersection had 25 crashes reported which are types considered to be correctable by installing a traffic signal with a protected left turn phase. The crash history meets the safety warrant of the national traffic control manual. Additionally, this signal will provide a better protected pedestrian crossing from the Village of Shorewood Hills to the Hilldale Mall shopping center as well as a more accessible left turn onto the side streets.

To answer your question as to why the cost of this signal is significantly higher than the cost of other previous signals such as the Ridge St. – University Ave traffic signal, there are a few key reasons.

- 1. There were no adjustments to sewer inlets or structures required at Ridge Street. Each relocated inlet at Hilldale Way requires more excavation, more pavement removals, more pavement restoration and more curb replacement.*
- 2. The disturbed area at Hilldale is roughly twice the size of the disturbed area at Ridge Street.*
- 3. Mobilization costs have more than tripled in the last five years.*
- 4. Traffic Control was estimated high because of the proximity of Midvale and Segoe Intersections and the busy entrance to Hilldale Way.*
- 5. New traffic signal standards require more expensive support structures for lane by lane overhead signals and require more modern communication accommodations to better manage traffic signals.*

If you have any other questions please let us know.

Thank you,

Jerry Schippa, PE
City of Madison - Traffic Engineering

Village of Shorewood Hills Utilities
 Reconciliation of Debt Proceeds
 Debt outstanding as of 12/31/17

	Water	Sewer	Storm	Village-CPF	TIF#3	TIF #4
2007 2007 Note Anticipation Notes	315,293	217,980	136,237	1,925,490	-	-
2007 Issuance Costs	-	-	-	(9,554)	-	-
2007 Capital Adds	-	-	-	(391,795)	-	-
2008 Capital Adds	(331,968)	(228,589)	(175,901)	(718,103)	(113,107)	(31,329)
2008 Unspent debt proceeds (shortfall)	(16,675)	(10,609)	(39,664)	806,038	(113,107)	(31,329)
2009 Pay off of 2007 Note Anticipation Notes	(315,293)	(217,980)	(136,237)	(1,925,490)	-	-
2009 GO Corp Purpose Bonds	520,000	265,000	440,000	2,580,000	365,000	50,000
2009 GO Promissory Note	525,000	325,000	190,000	1,070,000	195,000	-
2009 Issuance costs	-	-	-	(26,629)	-	-
2009 Capital Adds	(256,392)	(92,364)	(157,500)	(1,889,641)	(167,317)	(18,891)
2009 Unspent debt proceeds (shortfall)	456,640	269,047	296,599	614,278	279,576	(220)
2010 Build America Bonds	715,000	280,000	430,000	1,005,000	970,000	-
2010 Issuance Costs	(11,019)	(4,315)	(6,627)	(30,457)	-	-
2010 Estimate owed on University Ave	-	-	-	-	-	-
2010 Capital Additions	(214,657)	(160,007)	(101,719)	(730,270)	(555,761)	(31,344)
2010 Unspent debt proceeds (shortfall)	945,964	384,725	618,253	858,551	699,815	(31,564)
2011 Columbia	(196,244)	-	(109,847)	-	(376,720)	-
2011 Colpage/Yale/Dartmouth	(180,331)	-	(64,960)	-	(209,920)	(6,566)
2011 Sewer liner	-	(92,961)	-	-	(290,506)	-
2011 University Ave	-	-	-	(669,660)	-	-
2011 Planning, legal & admin	-	-	-	-	-	-
2011 Capital Adds	-	-	-	-	-	-
2011 Unspent debt proceeds (shortfall)	569,389	291,764	443,446	188,891	(183,331)	(38,130)
2012 GO Corp Purpose Bonds	-	-	145,000	690,386	508,000	117,000
2012 Issuance Costs	-	-	-	(29,625)	(7,600)	(1,750)
2012 Oxford/Wood/Columbia/Swarthmore/Harvard/Yale	(453,621)	(98,494)	(118,218)	-	-	-
2012 Curb and gutter on above projects	-	-	-	-	-	-
2012 Blackhawk infiltration project	-	-	(104,241)	-	-	-
2012 Planning, legal & admin	-	-	-	-	(111,216)	(71,266)
2012 Capital Adds	-	-	-	(993,434)	(113,932)	(141,922)
2012 Unspent debt proceeds (shortfall)	115,768	193,270	233,843	(143,782)	91,921	(136,068)
2013 GO Taxable Bonds	-	-	-	-	2,121,935	909,401
2013 GO Refunding Bonds	560,000	-	-	1,350,000	1,150,000	-
2013 STFL	-	-	-	123,917	-	-
2013 Issuance Costs	(12,379)	-	-	(29,841)	(52,491)	(11,597)
2013 Developer incentives	-	-	-	-	(2,100,000)	(900,000)
2013 Amherst/Columbia	(229,837)	(27,912)	(151,372)	-	-	-
2012 Blackhawk infiltration project-final pmt	-	-	(2,500)	-	-	-
2013 Planning, legal & admin	-	-	-	-	(173,187)	(48,199)
2013 Capital Adds	-	-	-	(482,034)	(696,790)	(27,464)
2013 Unspent debt proceeds (shortfall)	433,552	165,358	79,971	818,260	341,388	(213,927)
2014 Dartmouth/Wellesley	(318,742)	(119,325)	(79,971)	-	-	-
2014 Leak repairs	(16,154)	-	-	-	-	-
2014 Planning, legal & admin	-	-	-	-	(81,103)	(37,892)
2014 Capital Adds	(24,519)	(45,056)	-	(787,504)	(642,653)	(853)
2014 Unspent debt proceeds (shortfall)	74,137	977	-	30,756	(382,368)	(252,672)
2015 TIF deficit funded by sources other than debt (Increment/adv)	-	-	-	-	382,368	252,672
2015 Promissory Notes	-	155,000	-	1,190,000	753,214	101,786
2015 Issuance Costs	-	-	-	(45,375)	-	-
2015 Planning, legal & admin	-	-	-	-	-	-
2015 Capital adds (transmission and distribution mains, meters, hydrants)	(59,851)	-	-	-	-	-
2015 Cold Storage Building	-	-	-	(797)	-	-
2015 Repairs DPW Building	-	-	-	(25,871)	-	-
2015 Community Center Repairs	-	-	-	(13,823)	-	-
2015 Village Hall	-	-	-	(15,797)	-	-
2015 Truck Purchase	-	-	-	(60,439)	-	-
2015 Highway and street construction	-	-	-	(1,014,434)	-	-
2015 Marshall Ct., University Ave Improvements	-	-	-	-	(5,165)	-
2015 Sewer lining	-	(8,930)	-	-	-	-
2015 Unspent debt proceeds (shortfall)	14,286	147,047	-	44,220	748,049	101,786
2016 TIF deficit funded by sources other than debt (increment/adv)	-	-	-	-	-	-
2016 Planning, legal & admin	-	-	-	-	-	-
2016 Capital adds	(1,316)	-	-	-	-	-
2016 Capital equipment (Clarity software)	-	-	-	(19,500)	-	-
2016 Cold Storage Building	-	-	-	(42,553)	-	-
2016 Highway and street construction	-	-	-	(279,361)	(370,824)	-
2016 Sewer lining	-	(159,964)	-	-	-	-
2016 Unspent debt proceeds (shortfall)	12,970	(12,917)	-	(297,194)	377,225	101,786
Revised debt reallocations per phone call with Karl & Rebekah 5/5/17	-	-	-	101,786	(101,786)	-
Debt reallocations per Karl's email on 3/28/17	-	-	-	195,408	(195,408)	-
Debt reallocations per Karl's email on 3/28/17	-	12,917	-	-	(12,917)	-
2016 Totals	12,970	-	-	-	67,114	101,786
2017 Promissory Notes	220,000	110,000	185,000	3,215,000	149,515	220,485
Less refunding portion	(215,000)	(110,000)	(180,000)	(2,130,000)	(149,515)	(20,485)
Utility capital adds (per H's)	(16,088)	-	-	-	-	-
Playground Structure	-	-	-	(47,442)	-	-
Brush Chipper	-	-	-	(41,385)	-	-
Other capital adds per 40.1	-	-	-	(661,598)	-	-
Street construction costs	-	-	-	(75,391)	-	(189,991)
2017 Unspent debt proceeds (shortfall)	1,882	-	5,000	259,184	67,114	111,795