



11333 N. Cedarburg Road
Mequon, WI 53092
Phone: 262-236-2913
Fax: 262-242-9655

www.ci.mequon.wi.us

PUBLIC WORKS COMMITTEE
Tuesday, September 13, 2016
7:00 PM
South Conference Room

Agenda

1. Call to Order, Roll Call
2. Approval of Minutes
 - a. Public Works Committee meeting minutes of August 10, 2016

3. Resolutions

Action requested: review and recommend approval

- a. **RESOLUTION 3399** Resolution Authorizing a Change Order to the 2016 Road Improvements Contract with Payne & Dolan, Inc., Jackson, WI, in the Amount of \$323,973
- b. **RESOLUTION 3400** A Resolution Approving the Award of a Contract for the Replacement of a Generator and Installation of the Back-up Plug for a Portable Emergency System to Frank Gillitzer Electric, Mequon, WI in the Amount of \$49,406

4. Adjourn

Dated: September 13, 2016

/s/ Pamela Adams, Chair

Notice is hereby given that a quorum of other governmental bodies may be present at this meeting to present, discuss and/or gather information about a subject over which they have decision-making responsibility, although they will not take formal action thereto at this meeting.

Persons with disabilities requiring accommodations for attendance at this meeting should contact the City Clerk's Office at 262-236-2914, twenty-four (24) hours in advance of the meeting.

Any questions regarding this agenda may be directed to the Public Works Department at 262-236-2913, Monday through Friday, 7:00 AM – 3:30 PM.

CITY OF MEQUON
WISCONSIN

COMMITTEE ON PUBLIC WORKS
MINUTES
August 10, 2016

1. The meeting was called to order at 6:31 p.m. with Alderman Pukaite, Alderman Adams present. Alderman Mayr was excused.

Staff present was Director of Public Works/City Engineer Lundeen, City Attorney Sajdak, Deputy Director of Engineering James Keegan, Engineering Technician Tim Weyker, and Administrative Secretary Deuster.

2. The minutes of the August 10th, 2016 Public Works Committee meeting were moved for approval by Ald. Pukaite, seconded by Ald. Adams and unanimously approved by the Committee as written.
3. Director of Public Works/City Engineer Lundeen informed the Committee that, Resolution 3395 needed approval to cancel the special assessment against benefited property (The Enclave at Mequon Preserve) in connection with completion of the Sanitary Sewer Expansion project. The resolution is fiscally neutral, cancellation is required so we can sign the final plat and we immediately reallocate to the individual lots. Ald. Pukaite asked if this was the assumption being Resolution 3396 will be approved if we approve 3395. Asking if it would be appropriate to move that the recommended adoption of 3395 be contingent on Resolution 3396 being adopted. City Attorney Sajdak stated he didn't have any problems with the move being contingent on adoption of Resolution 3396.

It was moved by Ald. Pukaite, seconded by Ald. Adams, and unanimously approved by the Committee on Public Works to recommend adoption of Resolution 3395 contingent on adoption of Resolution 3396.

4. Based on the discussion for Resolution 3395, it was moved by Ald. Pukaite, seconded by Ald. Adams, and unanimously approved by the Committee on Public Works to recommend approval of Resolution 3396.
5. Director of Public Works/City Engineer Lundeen informed the committee that, Resolution 3397 Awarding the Mequon Nature Preserve permeable parking lot paving contract to Willkomm Excavating, Inc., Union Grove, WI in the amount of \$144,894.00. This utilizes MMSD funding, with a memorandum of understanding with the Mequon Nature Preserve to cover any cost above that. So it's cost neutral for the city but since the city is the beneficiary of the MMSD funding the city will hold the contract. Ald. Adams ask that we can use the MMSD money in the future for other things within the city.

Following Discussion, it was moved by Ald. Pukaite, seconded by Ald. Adams, and unanimously approved by the Committee on Public Works to approve Resolution 3397.

6. Deputy Director of Engineering James Keegan informed the committee of an update on the Pines-Haddonstone Storm Sewer Project, that city crews installed the 800ft pipe in January. In late July, city crews were able to get back into the existing system and televised a section of the pipe where we found a crack in the pipe. The city is unable to televise past that point and will hire a contractor

to complete the televising and identify whether lining or repair is required. The remaining work will continue in late summer and fall months.

7. Director of Public Works/City Engineer Lundeen informed the committee that the 2015 Seal Coating Project which failed and is under a Notice of Defect required addressing. Staff provided four options for the Committee to give approval for, Option 1: Do Nothing, Option 2: Asphalt Overlay (1-3/4"), Option 3: Accept Scott Construction's most recent proposal to apply micro surfacing to some roads, and Option 4: Asphalt Overlay (1-3/4") on subdivision roads only. Ald. Pukaite stated it is clear we need to do something, she felt the 1 3/4" overlay that people will feel comfortable with and will last a long time. Ald. Pukaite moved to approve staff's recommendation to continue moving forward, seconded by Ald. Adams. Contract Payne and Dolan approved continuing with current contract, this would be a change order from the current contract.
8. There being no further business to conduct, Ald Adams made a motion to adjourn, seconded by Ald. Pukaite, the meeting was unanimously adjourned at 6:54 p.m.



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 Mequon, WI 53092
 Phone: 262-236-2934
 Fax: 262-242-9655

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Office of Engineering

TO: Public Works Committee
FROM: Kristen Lundeen, Director of Public Works/City Engineer
DATE: September 13, 2016
SUBJECT: Resolution Authorizing a Change Order to the 2016 Road Improvements Contract with Payne & Dolan, Inc., Jackson, WI, in the Amount of \$323,973

Background

The failure of the City's sealcoating projects on seven (7) roads in 2015 is documented in the attached memo. Based upon that update, at the August Public Works Committee meeting, the Committee authorized staff to generate a change order for an overlay on the roads affected by the failed sealcoat. Accordingly, the corresponding change order is before the Public Works Committee and Common Council for approval.

The change order includes the work associated with paving a 1 3/4" asphalt overlay on those roads associated with the 2015 sealcoating projects. As outlined in the memo, this is the most effective treatment that will prolong the life of the pavement.

Analysis

Please see the attached memo for the original outline of the options for the project. As stated, the asphalt prices in the 2016 Road Program are the lowest bid by the City in 10 years, and the overlay provides the best option to address the failed sealcoat, rideability of the road surface, and impact on the life cycle of the asphalt.

The options were analyzed in terms of longevity of the proposed repair, construction impact, and cost. Given that the City received very favorable bid prices for asphalt in 2016 and that the condition of the pavement was such that the roadway would have required an overlay in the coming years, Option 2, which is a 1-3/4" asphalt overlay, was identified by staff and the Public Works Committee as the solution to be installed on the surface of the seven roads that were seal coated in 2015. The asphalt overlay can be applied directly onto the failed seal coat and will immediately improve the pavement surface and ride quality. The asphalt overlay will strengthen the pavement structural section and prolong the life of the roadway. Given the current schedule of the 2016 Road Improvements contract, the paving work can be completed within weeks of the issuance of a change order.

Fiscal Impact

The 2015 seal coat project's total cost was \$115,107.30. The City holds both a maintenance bond and a performance bond with Scott Construction that total \$179,442.65. The City Attorney has been engaged throughout the remedial action process and is currently in negotiations with the contractor for financial restitution that could include remediation costs in addition to the original contract value and the City's ability to pull the contractor's bonds. The City Attorney provided the contractor with the amount of the change order, and in addition with the labor and materials cost of City crews to complete the shouldering.

The City is currently within the second year of a three year \$5.1M borrowing for the road program. In 2016, the City of Mequon received the lowest bid price for hot mix asphalt since 2010 and the second lowest price in the past 10 years. Due to the low asphalt prices, the 2016 road program came in \$200,000 below the engineer's estimated construction cost. These funds can either be used in the 2016 or 2017 road program.

In addition, the City received notice of the final billing from the City of Milwaukee for the County Line Road project. Once the final bill is paid, the account will carry a balance of \$477,023.39. Those funds can then be transferred into the City's annual road program account to cover any gap between the financial restitution from the sealcoating contractor and the final cost of the proposed change order and associated shouldering work.

Recommendation

It is staff's recommendation that the Public Works Committee favorably endorse and the Common Council approve the attached Change Order No. 2 to the 2016 Road Improvements contract with Payne & Dolan, Inc., Jackson, Wisconsin, for \$323,973.

Attachments:

Aug PW Sealcoat Memo (PDF)

Draft Change Order 2 (PDF)

COMMON COUNCIL
OF THE
CITY OF MEQUON

RESOLUTION 3399

Resolution Authorizing a Change Order to the 2016 Road Improvements Contract with Payne & Dolan, Inc., Jackson, WI, in the Amount of \$323,973

WHEREAS, the City of Mequon budgeted and borrowed for the 2015, 2016 and 2017 Annual Road Improvements projects; and

WHEREAS, the Public Works Committee and Common Council of the City of Mequon at their respective meetings on May 10, 2016 agreed with the staff recommendations for to award the contract for the 2016 Road Improvements Contract to Payne & Dolan, Inc. in the amount of \$962,170; and

WHEREAS, the bid pricing for the asphalt included in the 2016 Road Improvements Contract was significantly less than the bid pricing received for the same program over the past 10 years and resulted in a contract amount significantly less than staff estimates; and

WHEREAS, the Public Works Committee at its August 10, 2016 meeting directed staff to pursue a change order to the 2016 Road Improvements Contract to add an overlay to the roads affected by the failure of the 2015 Sealcoating project; and

WHEREAS, the attached Change Order No. 2 adds the additional lane miles of road.

NOW, THEREFORE, BE IT RESOLVED by the Common Council of the City of Mequon that the above change order to the 2016 Road Improvements Contract, as recommended by the Public Works Committee, be accepted and that the proper City officials be authorized to sign the appropriate contract amendment documents.

Adequate funds for this contract are available from the following sources:

Capital Project - 0410, Project: Local Road Program - 10001

Approved by: Dan Abendroth, Mayor

Date Approved: September 13, 2016

I certify that the foregoing Resolution was adopted by the Common Council of the City of Mequon, Wisconsin, at a meeting held on September 13, 2016.

Caroline Fochs, City Clerk



TO: Public Works Committee
FROM: James Keegan, Deputy Director of Engineering
DATE: August 10, 2016
SUBJECT: 2015 Seal Coating Project Update

Background

The 2015 Road Improvement Program included seal coating on City roadways as a maintenance treatment to prolong the roadway life cycle. The contract was awarded to the contractor that submitted the lowest bid, Scott Construction, at the Common Council meeting on June 9th. The work commenced on Thursday, September 17th and was completed on Friday, September 18th. Shortly after completion, staff received a number of resident complaints regarding dust, loose aggregate and rough surface as a result of the treatment. At the request of an alderman who was also receiving a number of complaints, the topic of sealcoating was discussed at the October 2015 and March 2016 Public Works Committee meetings.

Over the winter months, the seal coated roadway surfaces deteriorated and did not perform in a manner that is typical of a properly seal coated roadway. The roadway cover aggregate became loose after regular plowing events and prompted the Engineering Department to issue a “Notice of Defect” to the contractor on Wednesday February 3rd, requiring them to remove the access cover aggregate by sweeping. Sweeping occurred on Thursday February 18th and again on Friday February 26th, 2016.

The deterioration continued through the spring months and the City followed up with a formal “Notice of Defect” on April 21st for the loss of cover aggregate and required that a remedial action plan be submitted by May 16th. Scott Construction submitted a remedial action plan to the City on May 16th that proposed a boiler slag seal coat, which is a process that the City no longer uses due loose aggregate issues experienced in the past. The remedial action plan was rejected by City staff on May 27th and an alternative remedial action plan was required. Scott Construction then proposed a micro-surface treatment over the failed sealcoat, which was rejected, as it did not address the adherence issues at the interface with the underlying failed seal coat and is a roadway treatment that has never been used in Mequon. As the deadline for repairs was fast approaching, the City required that future remedial action plans from Scott Construction address financial restitution for the failed seal coat project.

In all correspondence with the contractor (attached) the contractor was notified of a July 15th deadline to complete the repair of the failed seal coat. Scott submitted their latest remedial action plan on July 22nd, which was past the July 15th deadline, and which also did not address the adherence issues at the interface with the failed seal coat.

Analysis

City staff has analyzed all available options for repairing the surface condition of the seal coated roadways. There is, on average, 4-5 inches of underlying asphalt pavement that was seal coated, and the surface condition rating (SCR) in early 2015 was a 6. Seal coating is a typical treatment for a roadway that is rated an SCR 6, with an asphalt overlay being the typical treatment for an SCR 5. During our analysis, we have broken out the seal coated roadways into two separate groups, subdivision roads and main roads, as the overall condition and pavement structures differ between the two groups. Attached is a table that includes the four feasible options for the seal coated roadways with the anticipated financial impacts and results.

Fiscal Impact:

The 2015 seal coat project's total cost was \$115,107.30. The City holds both a maintenance bond and a performance bond with Scott Construction that total \$179,442.65. The City Attorney has been engaged throughout the remedial action process and has written a letter to the contractor informing them of the City's position in terms of the required financial restitution that could include the remediation costs in addition to the original contract value and the City's ability to pull the contractor's bonds.

The City is currently within the second year of a three year \$5.1M borrowing for the road program. In 2016, the City of Mequon received the lowest bid price for hot mix asphalt (HMA) since 2010 and the second lowest price in the past 10 years. Due to the low asphalt prices, the 2016 road program came in \$200,000 below the engineer's estimated construction cost. These funds could either be used in the 2016 or 2017 road program.

Recommendation

Staff has analyzed the available options for repairing the roadway surfaces that were impacted by the 2015 Seal Coat project. Options were analyzed in terms of longevity of the proposed repair, construction impact, and cost. Given that the City received very favorable bid prices for HMA in 2016 and that the condition of the pavement was such that the roadway would have required an overlay in the coming years, it is staff's recommendation that Option 2, which is a 1-3/4" asphalt overlay be installed on the surface of the failed seal coated roadways. The HMA overlay can be applied directly onto the failed seal coat and will immediately improve the pavement surface and ride quality. The asphalt overlay will strengthen the pavement structural section and will prolong the life of the roadway. Given the current schedule of the 2016 Road Improvements contract, the paving work could be completed within weeks of the issuance of a work order. The other options, although feasible, will not provide the long term pavement surface improvements and may require a future asphalt overlay at an escalated cost.

Staff will continue to pursue financial restitution with the contractor, Scott Construction. Any amount of funding that would be recaptured through a financial settlement that may include the remediation costs in addition to the original contract value or through pulling the contractor's performance or maintenance bonds will be returned into the road program account for future projects.

Attachments:

Option Descriptions (PDF)

7 22 16 Proposal - Scott Construction (PDF)

			ESTIMATED FINANCIAL IMPACT	RESULT
<p>OPTION 1</p>	<p>SUBDIVISION ROADS: Lakewood Drive, Northwood Lane, Hemlock Lane, Bonness Lane, Shady Lane, Birchwood Lane</p>	<p>MAIN ROADS: Donges Bay Road (River Road - Port Washington Road)</p>	<p>The city would continue to pursue financial restitution from Scott Construction to remediate the failed seal coat contract. The 2015 seal coat contract value is \$115,107.30 and the performance and maintenance bonds equate to \$179,443. This money would be returned into the road program account for future work.</p>	<p>Pavement will continue to deteriorate. Aggregate will likely become loose during winter plowing. Poor ride surface will remain.</p>
<p>OPTION 2</p>	<p>Asphalt Overlay (1-3/4")</p>	<p>Asphalt Overlay (1-3/4")</p>	<p>The estimated cost for a 1-3/4" overlay on all roads that were seal coated in 2015 is \$344,483. This cost would be offset by a financial settlement or bond refund from the 2015 Seal Coat project. The amount of refund is unknown at this time. The 2015 Seal Coat contract value is \$115,107.30 and the performance and maintenance bonds equate to \$179,443. Low 2016 asphalt prices will be taken advantage of.</p>	<p>Asphalt ride surface will be vastly improved. Pavement SCR rating will return to a 9. Pavment life will be preserved for 10-20 years.</p>
<p>OPTION 3</p>	<p>Accept Scott Construction's most recent proposal (Attached). Install ONYX to Shady Ln, Hemlock Ln, Birchwood Ln, Northwood Ln, Bonnes Ln, and Lakewood Ln. Apply Micro Surfacing to cul-de-sac's (Shady Ln, Birchwood Ln, Lakewood Ln.)</p>	<p>Accept Scott Construction's most recent proposal (Attached). Either a re-seal of Donges bay Road with pre-coated aggregates with Hot Asphaltic cement or Seal coat using the original method with a subsequent fog seal. The method is at the City's discretion.</p>	<p>No Cost.</p>	<p>Subdivision Roads: 2-year warranty will be preserved. Residents on cul-de-sac's will endure two paving processes. New procedure to Mequon. Potential for failure with underlying failed seal coat.</p> <p>Main Roads: 2-year warranty will be preserved. Potential for failure with underlying failed seal coat.</p>
<p>OPTION 4</p>	<p>Asphalt Overlay (1-3/4") **On Subdivision Roads Only**</p>	<p>Remove failed seal coat by milling and install thin asphalt overlay (3/4") **On Donges Bay Road Only**</p>	<p>The estimated cost for a 1-3/4" overlay on the subdivision roadways and milling and repaving Donges Bay Road with a 3/4" overlay is \$310,761. This cost would be offset by a financial settlement or bond refund from the 2015 Seal Coat project. The amount of refund is unknown at this time. The 2015 Seal Coat contract value is \$115,107.30 and the performance and maintenance bonds equate to \$179,443.</p>	<p>Ride surface will improve. Unknown life cycle as the process is not widely used within the SE region of Wisconsin. Pavement SCR rating will return to a 9. Pavment life will be preserved for 10-20 years for subdivision roads.</p>

Recommended Option

SCOTT

CONSTRUCTION, INC.

Received July 22nd, 2016

3.a.a

ASPHALT SURFACING SINCE 1926

ROADS • STREETS • HIGHWAYS • DRIVEWAYS • PARKING LOTS
 www.scottconstruct.com Ph. 608-254-2555 In WI: 800-843-1556 Fax: 608-254-2249
 560 MUNROE AVE., P.O. BOX 340 LAKE DELTON, WI 53940
 "An Equal Opportunity Employer."

Submitted To:	Contact:	Proposal/Date:
CITY OF MEQUON	C/O TIMOTHY WEYKER	
OZAUKEE COUNTY		S046Q520
11333 NORTH CEDARBURG ROAD	- -	5/16/2016
MEQUON, WI 53092	prevailing wage determination number:	None Provided

Scott Construction, Inc. will repair those streets done in 2015 as proposed below, at no cost to you. We need to get a notice to proceed as soon as possible so that the work can be completed before we run out of time in the sealing season. A Pre-Construction meeting will be required to inform the City of Mequon of the application process and what will be required to make as little disruption as possible to the traveling public.

Scott Construction, Inc. will reseal Donges Bay Rd using the method of your choice.

- 1.) Seal Coat using precoated aggregates with Hot Asphaltic cement. Sweeping will be completed the next day.
- 2.) Seal Coat using the method that was done originally. A fog seal will be applied shortly after the sweeping is completed.

Apply Onyx to the following streets:

- Shady Ln
- Hemlock Ln
- Birchwood Ln
- Northwood Ln
- Bonnes Ln
- Lakewood Ln

Meigs Asphalt, LLC will be Sub-Contracted by Scott Construction, Inc. to do the Onyx surface treatment.

Apply Micro Surfacing to following Cul du sacs:

- N. Lakewood Drive (South end)
- N. Birchwood Ln (North and South ends)
- Shady Ln (North end)

Struck & Erwin Paving, Inc. will be Sub-Contracted by Scott Construction, Inc. to do the Micro-Surface treatment.

Acceptance of Proposal -- The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Date of Acceptance: _____

Customer Signature(s): _____

SCI Representative Signature: Donald Bade Donald Bade

Packet Pg. 29

Attachment: Aug PW Sealcoat Memo (RESOLUTION 3399 : Authorizing a Change Order to the 2016 Road Improvements Contract to Payne & ...

ADDITIONAL AGREEMENT PROVISIONS
GENERAL TERMS

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workmen's Compensation and General Liability Insurance.

NOTICE OF LIEN RIGHTS

AS REQUIRED BY THE WISCONSIN CONSTRUCTION LIEN LAW, CONTRACTOR HEREBY NOTIFIES OWNER THAT PERSONS OR COMPANIES FURNISHING LABOR OR MATERIAL FOR THE CONSTRUCTION ON OWNER'S LAND MAY HAVE LIEN RIGHTS ON OWNER'S LAND AND BUILDINGS IF NOT PAID. THOSE ENTITLED TO LIEN RIGHTS, IN ADDITION TO THE UNDERSIGNED CONTRACTOR, ARE THOSE WHO CONTRACT DIRECTLY WITH THE OWNER OR THOSE WHO GIVE THE OWNER NOTICE WITHIN SIXTY (60) DAYS AFTER THEY FIRST FURNISH LABOR OR MATERIALS FOR THE CONSTRUCTION, AND SHOULD GIVE A COPY OF EACH NOTICE RECEIVED TO THE MORTGAGE LENDER, IF ANY. CONTRACTOR AGREES TO COOPERATE WITH THE OWNER AND THE OWNER'S LENDER, IF ANY, TO SEE THAT ALL POTENTIAL LIEN CLAIMANTS ARE DULY PAID.

DELIQUENCY CHARGE

Payment is due and payable upon completion of work. IF OWNER/PURCHASER defaults on the payment required, OWNER/PURCHASER will be liable for all costs of collection, including reasonable attorneys' fees, and a delinquency charge on the balance at the maximum rates allowed by law. If OWNER/PURCHASER is an organization as defined by the Wis. Statute. Section 421.301 (28), the delinquency Charge rate shall be 1.5% per month (18%APR) plus all costs of collection, including reasonable attorneys' fees. CONTRACTOR retains title to all merchandise covered by the Agreement until full payment is received according to the above terms of sale. The reference to attorney fees is inapplicable if this is a consumer transaction.

INDIVIDUAL LIABILITY

The undersigned OWNER/PURCHASER or agent of OWNER/PURCHASER agrees to be individually liable for all the terms of the Agreement, regardless of whether he or she signs individually or as an agent for any other individual, partnership or corporation.

If this proposal indicates prevailing wage rates are not incorporated and in the event Scott Construction is awarded this project based on this proposal and it is later determined that Prevailing Wage Rates apply to this project, the owner agrees to pay Scott Construction any difference between the wage rate applied by Scott Construction in preparing this proposal and the actual Prevailing Wage Rate imposed in accordance with Wisconsin's Prevailing Wage Rate Law, Section 66.0903 of the Wisconsin Statutes.

SCOTT
CONSTRUCTION, INC.

ASPHALT SURFACING SINCE 1926

Don Bade
Regional Manager
dbade@scottconstruct.com

Main Office	Local:	608-254-2555
	Fax:	608-254-2249
	Toll Free WI only:	800-843-1556
Cell		262-388-1271

www.scottconstruct.com P.O. Box 340 Lake Delton, WI 53940
"Equal Opportunity Employer"



11333 N. Cedarburg Rd 60W
Mequon, WI 53092-1930
Phone (262) 236-2932
Fax (262) 242-9655

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ENGINEERING/PUBLIC WORKS

CHANGE ORDER No. 2

Project: 2016 Road Improvements

Date Issued: 9/14/16

Owner: City of Mequon

Project No. 3098-16

Contractor: Payne & Dolan, Inc.

Contract for: Project includes 5 miles of pavement pulverizing, grading and compacting, asphalt paving both lower and upper layers, and shouldering; and 0.25 miles of asphalt paving wedge & overlay and shouldering. The work included on Green Bay Road from Lake Bluff Road (border with the Village of Thiensville) to Highland Road is included in the Wisconsin Department of Transportation's Local Road Improvement Program (LRIP) in the "Municipal Street Improvement" (MSI) program category.

You are directed to make the following changes in the Contract Documents:

Description:

Increase Item 4 - HMA Pavement (5 MT 58-28 S) @ \$50.00/Ton 3,569 Ton \$178,450.00
Increase Item 6 - HMA Pavement (5 LT 58-28 S) @ \$52.14/Ton 2,791 Ton \$145,522.74

Purpose of Change Order: The purpose of this change order is to add 1 ¾" HMA pavement overlays to the streets summarized below:

Item 4 - HMA Pavement - Upper Layer (5 MT 58-28 S)									
STREET NAME	FROM	TO	C/L Length (mi.)	General Paving Width(ft.)	Paving Area (S.Y.)	Paving Thickness (inches)	Driveways		Asphalt
							Asph.	Conc.	(Tons)
Donges Bay Road	River Road	Range Line Road	1.00	28.0	16427	1.75	14		1,677
Donges Bay Road	Range Line Road	Grasslyn Road	0.50	30.0	8807	1.75	5		894
Donges Bay Road	Grasslyn Road	Port Washington Road	0.50	34.0	9652	1.75	14		997
			2.00						3,569
								Total	
Item 6 - HMA Pavement - Upper Layer (5 LT 58-28 S)									
SUBDIVISION									
STREET NAME	FROM	TO	C/L Length (mi.)	General Paving Width(ft.)	Paving Area (S.Y.)	Paving Thickness (inches)	Driveways		Asphalt
							Asph.	Conc.	(Tons)
Wildwood Acres									
Shady Lane	Lake Shore Drive	Cul-de-sac	0.25	22.0	3731	1.75	11		397
Hemlock Lane	Lake Shore Drive	Birchwood Drive	0.25	22.0	3270	1.75	4		336
Birchwood Lane	North Cul-de-sac	South Cul-de-sac	0.60	22.0	8727	1.75	23		922
Michigan Lake Shore Acres & Mequon Bay Estates									
Northwood Lane	Bonniwell Road	Bonness lane	0.25	21.5	3141	1.75	2		319
Bonness Lane	Northwood Lane	Lakewood Drive	0.13	18.0	1571	1.75	1		160
Lakewood Drive	Bonniwell Road	Cul-de-sac	0.44	22.0	6146	1.75	20		657
			1.92						2,791
								Total	

Attachment: Draft Change Order 2 (RESOLUTION 3399 : Authorizing a Change Order to the 2016 Road Improvements Contract to Payne &

1. Original contract price:	\$ <u>962,169.72</u>
2. Previous net Change Orders:	\$ <u>5,523.24</u>
3. Contract price prior to this Change Order:	\$ <u>967,692.96</u>
4. Net (increase) (decrease) of this Change Order:	\$ <u>323,972.74</u>
5. Contract price with all approved Change Orders:	\$ <u>1,291,665.70</u>

Recommend and Approved:

Approved:

City of Mequon

Contractor

Date

Date

DRAFT



11333 N. Cedarburg Road
 Mequon, WI 53092
 Phone: 262-236-2934
 Fax: 262-242-9655

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Office of Engineering

TO: Public Works Committee
FROM: Kristen Lundeen, Director of Public Works/City Engineer
DATE: September 13, 2016
SUBJECT: A Resolution Approving the Award of a Contract for the Replacement of a Generator and Installation of the Back-up Plug for a Portable Emergency System to Frank Gillitzer Electric, Mequon, WI in the Amount of \$49,406

Background

The current generator at the Public Safety Building was installed in 1986 and is a natural gas powered 45kva Onan. The generator is original to the building and the model is no longer supported by the manufacturer. In the event of a power outage, the generator is the only source of backup power to the facility. Power to the facility is critical to maintaining public safety operations for both the Police Department and the Fire Department in this location. The current configuration has no capacity to receive a temporary generator to provide power if the current generator fails. The current generator had a water pump failure on July 14, 2016, which put the facility at risk of being without a backup power source.

Analysis

The existing generator is located inside of the building, directly outside of the emergency command area. City staff and all of the bidders recommend that the replacement generator be installed outside of the current facility. Exterior installation resolves building code issues with the existing, internal configuration, addresses noise issues created when the internal generator is in use, and allows the generator to run on an alternate fuel source. The current generator is served by natural gas, which is generally one of the first disruptions of service in a catastrophic event. The existing enclosure also has space constraints that limit the size of the replacement generator that may be installed.

At a minimum, staff recommends replacement of the current generator with a new generator, associated transfer switch and weather proof enclosure. In addition, staff requests that the contract award include the installation of a connection that would allow staff to plug in a portable generator should the new generator ever fail. This would allow staff to have the building back in service in a matter of minutes.

Bids were requested from five companies. Three companies submitted bids for the project. Please see the bid summary below.

Bidder	Generator Only	Backup Plug	Total
Ken Nix and Associates			\$91,954.00
Pieper Power	\$45,418.75		
Frank Gillitzer Electric	\$37,546.00	\$11,860.00	\$49,406.00

Fiscal Impact

The lowest bidder, Frank Gillitzer Electric Co., provided a bid of \$37,546 for the installation of an external generator. In addition, the bid for the backup plug for emergency operations is not to exceed \$11,860. If awarded, staff will work with Frank Gillitzer Electric Co., LTD to reduce the cost of the backup plug installation through the use of reconditioned equipment.

The existing capital account for general building repairs carries a balance of \$45,389. If both the installation of the replacement generator and the installation of the backup plug are approved, the funding gap would be paid through fund balance, or paid with FY2017 capital funds.

Recommendation

It is staff's recommendation that the Public Works Committee favorably endorse and the Common Council approve Resolution 3400, which authorizes staff to execute contracts with Frank Gillitzer Electric Co. for replacement of the on-site generator for \$37,546 and to install a portable emergency system in the amount of \$11,860.

Attachments:

Frank Gillitzer Bid (PDF)

COMMON COUNCIL
OF THE
CITY OF MEQUON

RESOLUTION 3400

A Resolution Approving the Award of a Contract for the Replacement of a Generator and Installation of the Back-up Plug for a Portable Emergency System to Frank Gillitzer Electric, Mequon, WI in the Amount of \$49,406

WHEREAS, the existing generator at the Public Safety Building is 30 years old and is no longer supported by the manufacturer; and

WHEREAS, the generator provides an emergency power source to the Public Safety Building in case of a power outage; and

WHEREAS, power is critical to the operations of the facility and of the Police and Fire Departments; and

WHEREAS, City staff has received and evaluated bids for the replacement of the on-site generator; and

WHEREAS, City staff recommends that the replacement of the on-site generator for \$37,546 be awarded to Frank Gillitzer Electric of Mequon; and

WHEREAS, City staff also recommends that the installation include a portable emergency system as a back up for automatic emergency system in the form of a back up plug at a cost not-to-exceed \$11,860; and

WHEREAS, the Public Works Committee at its meeting on September 13, 2016 endorsed staff's recommendations,

NOW THEREFORE BE IT RESOLVED by the Mayor and the Common Council of the City of Mequon, the Common Council at its meeting on September 13, 2016 approved staff's recommendation and directs staff to execute a contract with Frank Gillitzer Electric, Co. of Mequon, Wisconsin for the installation of a generator in the amount of \$37,546 and to install a portable emergency system in the amount of \$11,860.

Approved by: Dan Abendroth, Mayor

Date Approved: September 13, 2016

I certify that the foregoing Resolution was adopted by the Common Council of the City of Mequon, Wisconsin, at a meeting held on September 13, 2016.

Caroline Fochs, City Clerk

Frank Gillitzer Electric Co., Ltd.

F G E

12304 West Donges Bay Road
Mequon, Wisconsin 53097
(414) 442-1620 Fax (414) 442-1622

August 6, 2016

Proposal #FG16106

City of Mequon
11333 North Cedarburg Road
Mequon, Wisconsin 53092

Re: Safety Building
11300 North Buntrock Ave.
Mequon, Wisconsin 53092

We propose to furnish all labor and material for the electrical installation to remove existing Cummins generator and install a new Kohler Model #50REOZK diesel fueled generator consisting of automatic transfer switch, weather proof enclosure and concrete pad.

Total Cost: \$34,696.00

Add to Base Bid:

Wisconsin state certified tank installer permit. \$1,800.00
Remote Annunciator. \$1,050.00

Thank you,

Frank Gillitzer
President/CEO

If this proposal is accepted, please sign and return to Frank Gillitzer Electric.

Authorized by: _____ Date: _____

Frank Gillitzer Electric Co., Ltd.

F G E

12304 West Donges Bay Road
Mequon, Wisconsin 53097
(414) 442-1620 Fax (414) 442-1622

August 6, 2016

Proposal #FG16104

City of Mequon
11333 North Cedarburg Road
Mequon, Wisconsin 53092

Re: Safety Building
11300 North Buntrock Ave.
Mequon, Wisconsin 53092

We propose to furnish all labor and material for the electrical installation to install a portable emergency system as a back-up for automatic emergency system consisting of the following:

1. Install owner-supplied power outlet rated for 200amp, 600volt on each wall of safety building.
2. Furnish and install (1) 100amp 600 volts disconnect in generator room.
3. Furnish and install (1) 75kva 480-208/120volt transformer in generator room fed from 480volt disconnect.
4. Furnish and install (200amp 208/120volt transfer switch connected to transformer, automatic transfer switch and emergency panel.

Total Cost: \$11,860.00

Option 1: Provide a trailer mounted generator to provide emergency power as back-up during installation of new generator.

Total Cost of Option 1: \$425.00 per week.

Base Bid Deduct: Reconditioned equipment with 1-year warranty

Deduct From Base Bid: \$1,220.00

Thank you,

Frank Gillitzer