I. CALL TO ORDER

II. DISCUSSION
   A. 2017 Street Maintenance Program
   B. 2017-2019 Master Sidewalk Program – Zone 8
   C. Others

III. ADJOURNMENT

Office of the City Administrator
Todd Prafke

TP/bal
Memorandum

TO: Todd Prafke
   City Administrator

FROM: Pete Moulton
   Director of Public Works

RE: 2017 Streets Maintenance Program

ACTION/RECOMMENDATION

None needed. For Council review and discussion only.

BACKGROUND

The street maintenance program regularly consists of crack sealing, full depth asphalt patching, seal coating, curb, gutter and sidewalk repairs, and replacement of some handicapped ramps with truncated domes in the downtown area and where improvements are completed. Lesser amounts of funding are allocated for winter roadway salt, paint for pavement markings, gravel for patching, and asphalt mix for patching potholes. The budget remains flexible year-to-year to allow staff to address the immediate maintenance needs identified in the spring of the year. This past winter included lower amounts of snow with stretches of cold temperatures.

For 2017, staff expects the cost of asphalt will increase approximately 1% to 3% from 2016. These costs have more than doubled in the last 10 years.

Staff is proposing the following work plan for the street maintenance program for 2017. The maintenance program has been adjusted based on the conditions of the streets with one slight modification.

### 2017 Proposed Maintenance Program

<table>
<thead>
<tr>
<th>Item</th>
<th>Unit Cost</th>
<th>Unit</th>
<th>Quantity</th>
<th>Cost</th>
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<td>1 Winter Salt</td>
<td>$80.00</td>
<td>tons</td>
<td>150</td>
<td>$12,000</td>
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<tr>
<td>3 Gravel</td>
<td>$11.15</td>
<td>tons</td>
<td>90</td>
<td>$1,004</td>
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<td>4 Quartzite Stone Only</td>
<td>$24.50</td>
<td>tons</td>
<td>1,700</td>
<td>$41,650</td>
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<td>5 Stone Delivery</td>
<td></td>
<td>In-House</td>
<td>1,000</td>
<td>$0</td>
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<tr>
<td>6 Seal Coat (100 Blocks)</td>
<td>$3.00</td>
<td>gallons</td>
<td>46,000</td>
<td>$138,000</td>
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<tr>
<td>7 Paint</td>
<td>$23.15</td>
<td>gallons</td>
<td>500</td>
<td>$11,575</td>
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<td>8 Asphalt Full Depth Patch</td>
<td>$62.00</td>
<td>tons</td>
<td>1,480</td>
<td>$91,760</td>
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<td>8m Milling - Asphalt Full Depth Patching</td>
<td>None</td>
<td>hour</td>
<td>0</td>
<td>$0</td>
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<tr>
<td>9 Asphalt Full Block Replacement (5 BL)</td>
<td>$62.00</td>
<td>tons</td>
<td>1,217</td>
<td>$75,454</td>
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</table>
### The 2017 Street Maintenance Budget Program Details:

1) **Winter Salt**: The 2016-2017 winter has been mild with above average temperatures and below average snowfall. Staff will be ordering 150 tons of salt for the 2017-2018 season at a cost of $80 per ton. Staff continues to purchase salt in bulk quantities through MnDOT.

2) **Cold Mix**: Approximately 11 tons is used from late fall when the asphalt plants close to spring when the plants begin production to fix and repair potholes throughout the city.

3) **Gravel**: Class 5 gravel is needed to complete repairs to base materials. $1,004 is planned again for the 2017.

4) **Quartzite Stone**: Approximately 1,700 tons will be hauled in and used in combination with our existing quartzite stone inventory. The reddish colored quartzite is purchased directly from the New Ulm quarry through Southern Minnesota Construction and hauled to Saint Peter. Quartzite is very hard and has a high density, high compression strength which is also resistant to abrasion (like snow plowing). The stone cost is $24.50 per ton - $41,650 is budgeted.

5) **Stone Delivery**: Will be completed in-house by Public Works staff.

6) **Seal Coating**: The 2017 proposed route is shown on the attached map that includes approximately 100 blocks, which equates to 46,000 gallons of oil.

7) **Paint**: Staff continues to install (paint) cross-walks and street markings and parking lots striping. $11,575 is budgeted for this expense in 2017 and staff will look at the timing to complete this work.

8) **Asphalt Full-Depth Patching**: Staff has budgeted $91,760 for 1,480 tons.

9) **Asphalt Full Block Replacement**: In 2016 staff began selecting certain blocks based on maintenance criteria for complete replacement of the roadway surface. The scope of work includes milling and reclaiming the street surface, base preparation and reinstallation of asphalt. This year 5 blocks have been selected with an asphalt cost of $75,454. There will also be a cost from line number 9m for milling of $18,360.

   i. Seventh Street from College Avenue to South Early Learning entrance

10) **Crack Sealing**: Crack sealing is usually done every other year. In 2016, no crack sealing was completed. In 2017, approximately 11,000 lbs. of rubberized filler will be installed which is expected to cost $18,700.

11) **Alley Entrance Replacement**: Concrete entrances will be installed and replaced at a cost of $24,500.

12) **Sidewalk and Handicapped Access**: Approximately 3,500 square feet is planned for replacement at a cost of $22,750.
13) Curb and Gutter: In areas where full blocks are being replaced it is proposed to correct curb, and assess the costs to the abutting property owner as required. Approximately 600 linear feet of sidewalk is proposed to be installed at a cost of $22,750.

14) Stormwater Permits: Street projects completed require about $2,250 in permit fees on an annual basis.

15) Weed Spray: This is used in the streets where the asphalt street meets the concrete curb. The City sprays weeds to keep cracks from developing. $1,750 is budgeted.

16) Equipment Rental: Needed for loader in the winter months.

17) Sign Replacement Program: Staff has replaced all regulatory, warning, and information signs within the City with new DG3 reflective signs. The City is in the final year of the street nameplate replacement program. The older nameplates are 6” high and are being replaced to a new standard of 9” high. City staff is hoping to finalize this replacement plan and complete 330 signs for a cost of $6,818.

18) Contingency Funds: Used for over runs and areas not previously identified.

19) Income from Outside Sources: In previous years staff has performed work for other community partners and billed back the cost. No work is planned at this time and if the situation arises it would be a zero gain/loss in the total dollars spent.

Staff continues to monitor and evaluate new products that may preserve asphalt streets to a higher degree while extending the period between maintenance functions. The maintenance program was previously based on sealing asphalt streets on a five-year plan. As newer products are developed staff hopes to stretch the current five-year plan upwards towards eight years before street requires sealing.

Please be advised that application rates, conditional changes, pricing changes, and/or even physical changes in the road surface can all change as the work progresses. This can result in small changes to quantities, the number of blocks covered, and the number of cracks sealed.

Approval of the plan means generalized acceptance of the plan and budget approval. While we endeavor to follow the approved plan, slight changes in the actual work completed do take place. Major changes or elimination of entire work categories would come back to the Council prior to modification.

Looking ahead to 2018, 2019 and beyond:

Staff continues to review opportunities and timing for activities that have been discussed by the Council previously. Some of those discussion points have been:

- Taking over of maintenance of TWNP Road 361 west of the High School which also serves Community Spirit Park and runs from Broadway Avenue to Traverse Road.

- Development of Traverse Road west of Nicollet Avenue to City street standards, and a trail to Traverse Green Subdivision.

- The maintenance of the new Jefferson Avenue, formerly Gardner Road.

Funding of $504,691 has been allocated in the General Fund budget.

Please feel free to contact me should you have any questions or concerns about this agenda item.

PM/amg
Not shown on the map are the following parking lots and alleys included for 2017.

- Wastewater Plant Parking Lot
- Pool Parking Lot
- Fire Dept. Parking Lot
- Nicollet County Hist. Soc. Parking Lot
- City Lot #2
- City Lot #3
- City Lot #4
- Alley between Chestnut and Broadway
- Alley between Broadway and Park Row
- Alley between Grace and Mulberry
Memorandum

TO: Todd Prafke  
City Administrator

FROM: Pete Moulton  
Director of Public Works

Jeff Knutson  
Water Resource Superintendent

RE: 2017-2019 Master Sidewalk Program – Zone 8

ACTION/RECOMMENDATION

None needed. For Council review and discussion only.

BACKGROUND

During the past few years, a number of conversations have been held concerning the sidewalk system focused on improving condition, providing additional sidewalks, compliance with the Americans with Disability Act (ADA), and enhancing and improving pedestrian safety throughout the community.

Recent Council action allocated funding for preparation of plans and specifications for work in a number of areas within the community. These funds, allocated through the 2017 budgets, will allow staff to focus on areas that have been identified as needing improvement for pedestrians.

The first of a three year sidewalk improvement plan focuses on the area around Veterans Park. This area is identified by staff as Zone 8 as shown in the enclosed aerial view map. The blue lines indicate the installation of new sidewalk. In addition to the new walkway, street crossing areas would have improvements to meet ADA standards.

The proposed routes will encounter a few older/mature ash trees that will be removed and then replaced with a different variety.

A scope of work for the project has been completed showing quantities needed. The estimated project cost would be $98,210. With early bid letting, we expect very competitive pricing for the project.

Please feel free to contact us should you have any questions or concerns about this agenda item.

PM/JK
MEMORANDUM

Date: February 21, 2017
To: Jeff Knutson
   Water Utilities Superintendent
From: Jeffrey A. Domras, PE
Subject: Design and Bidding Services for Proposed Vets Field Sidewalk Improvements

The City is proposing to construct new concrete sidewalk in the areas of Vets Park represented by a blue line in the image below.

The plan is to construct the sidewalk in public right-of-way however, until survey work is completed, it may be necessary to obtain an easement(s) from property owners along the east side of the baseball field. The proposed route contains a few challenges including mature trees, existing concrete surfaces and both narrow and steep boulevards. Sidewalk construction is expected to impact multiple trees and possibly require the use of retaining walls to maintain a reasonable walk slope in the steeper boulevards. The fencing for both baseball fields is proposed to remain in place.

The design will require a utility locate and topographical survey to establish existing conditions and property lines. The City wishes to design and bid the proposed sidewalk improvements for construction during the summer of 2017. It is anticipated the following services will be necessary:
Design
• Topographical Survey Including Property Lines and One Call ...................... $3,200
• Pre Design Utility Meet .............................................................................. $500
• Preliminary and Final Design ...................................................................... $4,700
• Cost Estimates and Bidding Quantities .......................................................... $500
• Prepare Advertisement for Bids and Project Specifications ......................... $1,500
• Bid Opening, Tabulation, Award Recommendation ....................................... $500
• Prepare Contracts, Distribute for Signature ................................................... $400
  Subtotal $11,300

Construction
• Pre-Construction Meeting ............................................................................ $400
• Construction Staking ...................................................................................... $1,400
• Construction Administration ........................................................................... $2,000
  Subtotal $3,800

The above work will be performed at our normal hourly rates for a fee not to exceed $15,100. If an easement is necessary, it is estimated to cost an additional $500 to prepare each.

This estimate does not include design of the parking area previously considered along the south side of Skaro Street near the first base line of Vets Field. This estimate is based on City Staff performing construction observation duties during construction and does not include testing of concrete or aggregate base.
## ZONE 8
### SIDEWALK CORRECTIONS
### CITY OF ST PETER

#### CONTRACTOR:

#### ADDRESS:

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<table>
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<tr>
<th>ITEM NO.</th>
<th>ITEM</th>
<th>PLATE NUMBER</th>
<th>ESTIMATED QUANTITY</th>
<th>Unit</th>
<th>UNIT PRICE</th>
<th>Total AMOUNT</th>
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Install to City Specifications

**TOTAL CONSTRUCTION COST**

$ 98,210.00

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*Grading and restoration numbers not included in estimate.

Rough restoration to be completed by street crew
Final stabilization to be completed by stormwater crew (hydro seed)
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<thead>
<tr>
<th>4&quot; Sidewalk</th>
<th>5.5&quot; Driveways</th>
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<tr>
<td>2870</td>
<td>See Map</td>
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<tr>
<td>36</td>
<td>N 5th &amp; Skaro NW</td>
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<tr>
<td>20</td>
<td>N 5th &amp; Chestnut</td>
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<tr>
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