

Department of Public Works

City Hall
730 Washington Avenue
Racine, Wisconsin 53403
(262) 636-9121 - Public Works
(262) 636-9191 - Engineering



Mark H. Yehlen, P.E.
Commissioner of Public Works/City Engineer

Thomas M. Eeg, P.E.
Asst. Comm. of Public Works/Operations

John C. Rooney, P.E.
Asst. Comm. of Public Works/Engineering

379-17

MEMO

TO: Public Works and Services Committee

FROM:  Mark Yehlen, Commissioner of Public Works

DATE: May 25, 2017

SUBJECT: Status of 2017 Sidewalk Repair/Replacement Program and 2016 Expenditures

Due to a manpower shortage in the Engineering Department, and because the Common Council directed that sidewalk inspections and sidewalk saw cutting be competitively procured, the Purchasing Department released a Request for Qualifications (RFQ) for Engineering and Construction Services for the Sidewalk Maintenance Program (Official Notice #8-2017) on April 28, 2017. The Purchasing Agent submitted a communication requesting to discuss the results of this solicitation with the Public Works and Services Committee as Item 510-17 on the Committee's May 30, 2017 agenda.

When a professional services contract is awarded, the consultant will perform sidewalk inspections continuing with the location priorities established by Resolution 0242-16, attached as enclosure (1), and using the Criteria for Inspection of Sidewalk in the Right-Of-Way, dated June 21, 2016, and attached as enclosure (2). The consultant will keep a running estimate of the total repair and replacement costs encountered, and will stop inspections when they've identify enough work to expend available funds. Additionally, the Engineering Department is including an estimated \$94,000 in sidewalk replacements funded by this program in their 2017 street reconstruction and paving contracts.

Sidewalk repair and replacement work will be bid through two or more contract solicitations to be drafted by the consultant. An estimated \$130,000 of sidewalk replacements and mud-jacking work identified in 2016 will be included in these contract bid packages. Contracts will be awarded through standard bidding and approval procedures. The consultant will oversee the performance of the construction and repair contracts.

In 2016 Safe Step LLC performed \$133,983.84 in precision saw-cutting sidewalk repairs. \$34,676.11 of sidewalk replacements were performed as a portion of the 2016 City Resurfacing contract, \$4,729.40 of sidewalk replacements were performed as a portion of the Kinzie Avenue Reconstruction contract, \$6,287.57 of sidewalk replacements were performed as a portion of the 2016 Concrete Reconstruction contract, \$5,231.28 of sidewalk replacements were performed as a portion of the North Side Assessable Paving contract, and \$6,740.00 of sidewalk replacements were performed as a portion of the South Side Assessable Paving contract.

MHY:mhy



City of Racine

City Hall
730 Washington Ave.
Racine, WI 53403
www.cityofracine.org

Legislation Text

File #: Res.0242-16, Version: A

Alderman McCarthy

2016 Sidewalk Inspection Maintenance and Replacement Program

Resolved, that the the sidewalk inspection criteria shall be revised to conform to Federal Highway Administration and U.S. Assess Board recommendations and guidelines as detailed in the Criteria for Inspection of Sidewalks in the Right-Of-Way dated May 2016.

Further resolved, that a 2016 pilot management program that prioritizes annual inspections and repairs/replacements shall be established in the following order:

1. Locations of resident/staff submitted complaints.
2. Sidewalk repairs and replacements as a portion of street reconstruction contracts.
3. Priority locations: Downtown, Uptown, West Racine, Lakefront, and vicinity of the Zoo for an estimated total of 80 blocks, or 14 miles of sidewalk.
4. Pedestrian Corridors along BUS routes for an estimated total of 90 miles of sidewalk (17 miles of sidewalk will most probably be completed in 2016).
5. Locations within one or two blocks of a school for an estimated total of 200 blocks or 34 miles of sidewalk (funds will most probably not be available for these locations in 2016).
6. Locations within one block of a park for an estimated 90 blocks, or 16 miles of sidewalk (funds will most probably not be available for these locations in 2016).
7. Sidewalks abutting church properties for an estimated 100 blocks, or 18 miles of sidewalk (funds will most probably not be available for these locations in 2016).

Perform concrete saw-cutting of vertical displacements between sidewalk squares where appropriate.

Perform sidewalk mud-jacking repairs and replacements via open-bid contract(s).

Further resolved, that the experience and data garnered from the development and execution of the 2016 program will be used to draft options and recommendations for the 2017 Sidewalk Maintenance Program to be presented to the Common Council as a portion of the 2017 budgeting process.

Fiscal Note: Funding is provided in the 2016 General Obligation Bond Debt.

ENCLOSURE (1)

Department of Public Works

City Hall
730 Washington Avenue
Racine, Wisconsin 53403
262.636.9121 – Public Works
262.636.9191 - Engineering



Mark H. Yehlen, PE
Commissioner of Public Works

Thomas M. Eeg, P.E.
Asst. Comm. of Public Works/Operations

John C. Rooney, P.E.
Asst. Comm. of Public Works/City Engineer

Racine, Wisconsin

CRITERIA FOR INSPECTION OF SIDEWALKS IN THE RIGHT-OF-WAY

To ensure the good repair of public sidewalks and maintain them free of physical defects and other conditions that may create hazards to pedestrians, the following criteria shall be used when inspecting concrete sidewalks located in the right-of-way:

Concrete defect criteria and possible repair methods:

1. A difference in elevation greater than 1/2 inch at the joint between adjacent sidewalk squares.
 - Possible repairs: mud jacking; and saw-cutting/shaving the vertical edge to create a smooth transition between squares (for displacements of 1-1/2 inches or less).
2. A pitch along the width of the sidewalk greater than 5/8 inch per foot (5% slope).
 - Possible repair: mud jacking
3. A pitch along the length of the sidewalk exceeding the street grade by 5/8 inch per foot (5% difference in slope).
 - Possible repair: mud jacking
4. Ponding of water covering 1/2 or more of the width, or 2 feet or more along the length of a sidewalk as evidenced by silting, collection of debris or water stains.
 - Possible repairs: mud jacking
5. Cracks, gaps between squares and/or deterioration exceeding 3/4 inch in width.
 - No possible repair, sidewalk square replacement required
6. A difference in elevation greater than 1/2 inch within a sidewalk section separated by a crack.
 - No possible repair, sidewalk square replacement required
7. Loose, chipped or spalled concrete, which has resulted in surface irregularities greater than 2 inches wide and 1/2 inch deep relative to the sidewalk surface, and that creates a safety hazard.
 - No possible repair, sidewalk square replacement required

Department of Public Works

City Hall
730 Washington Avenue
Racine, Wisconsin 53403
262.636.9121 – Public Works
262.636.9191 - Engineering



Mark H. Yehlen, PE
Commissioner of Public Works

Thomas M. Eeg, P.E.
Asst. Comm. of Public Works/Operations

John C. Rooney, P.E.
Asst. Comm. of Public Works/City Engineer

Underground vault covers and frames, ground level surface accesses, drainage grates, window well grates and similar fixtures: (Note: all repairs of these items are the responsibility of the abutting property owner and the Commissioner of Public Works shall issue the abutting property owner a Repair Order to correct the deficiencies.)

1. Which are cracked or broken in any manner, fixture replacement is required.
2. Which are rusted through in any place, fixture replacement is required.
3. Where any part of the surface of such fixtures is more than ½ inch higher or lower than the adjacent sidewalk. Adjustment of the fixture may be acceptable.