

COMMITTEE OF THE WHOLE MEETING

The Common Council of the City of Ashland will meet as the Committee of the Whole on February 18, 2019 immediately following the City Council meeting which begins at 5:30 PM in the Ashland City Hall Council Chambers.

The following items will be considered:

1. Roll Call
2. Council President's Report
3. Administrator's Report
4. Approval of Agenda
5. Discussion Items
 - A. **Presentation and Discussion Regarding the 2019 Mill and Overlay Program** (*Public Works*)
6. Adjournment

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NOTE: Upon reasonable notice, the City of Ashland will accommodate the needs of disabled individuals or individuals with limited English proficiency through auxiliary aids or services. For additional information or to request this service, contact Denise Oliphant at 715-682-7071 (not a TDD telephone number) or FAX: 715-682-7048

SUBJECT: Presentation and Discussion Regarding the 2019 Mill and Overlay Program (*Public Works*)

RECOMMENDATION: Presentation and Discussion

DEPARTMENT OF ORIGIN: Public Works Department

CLEARANCES: Public Works Department
Council President

EXHIBITS: 1. Mill & Overlay Memo

FINANCIAL IMPACT: \$435,000.00 - Fund 470 Capital Street Improvements

SUMMARY STATEMENT:

This presentation is meant to inform the Council on roadway segments that have been identified and meet the criteria for a mill and overlay as part of the City's Mill and Overlay Program.

A mill and overlay is a type of roadway improvement used to extend the life of the roadway. This process consists of two major steps: 1) milling the street and 2) laying the new asphalt (overlay). The benefits of asphalt are durability, cost effectiveness, smoothness and the ability to install it relatively quickly.

A mill and overlay preserves the integrity and service life of City streets over the long term, while reducing the costs associated with deferred maintenance.

The Public Works Department will be going out to bid for this project. After the bids are received they will be presented to the Council for award.

* Exhibit will be available at the meeting.



MEMORANDUM

To: Record
From: John Butler, Public Works Director
Date: February 4, 2019
RE: 2019 Mill & Overlay Project Selections

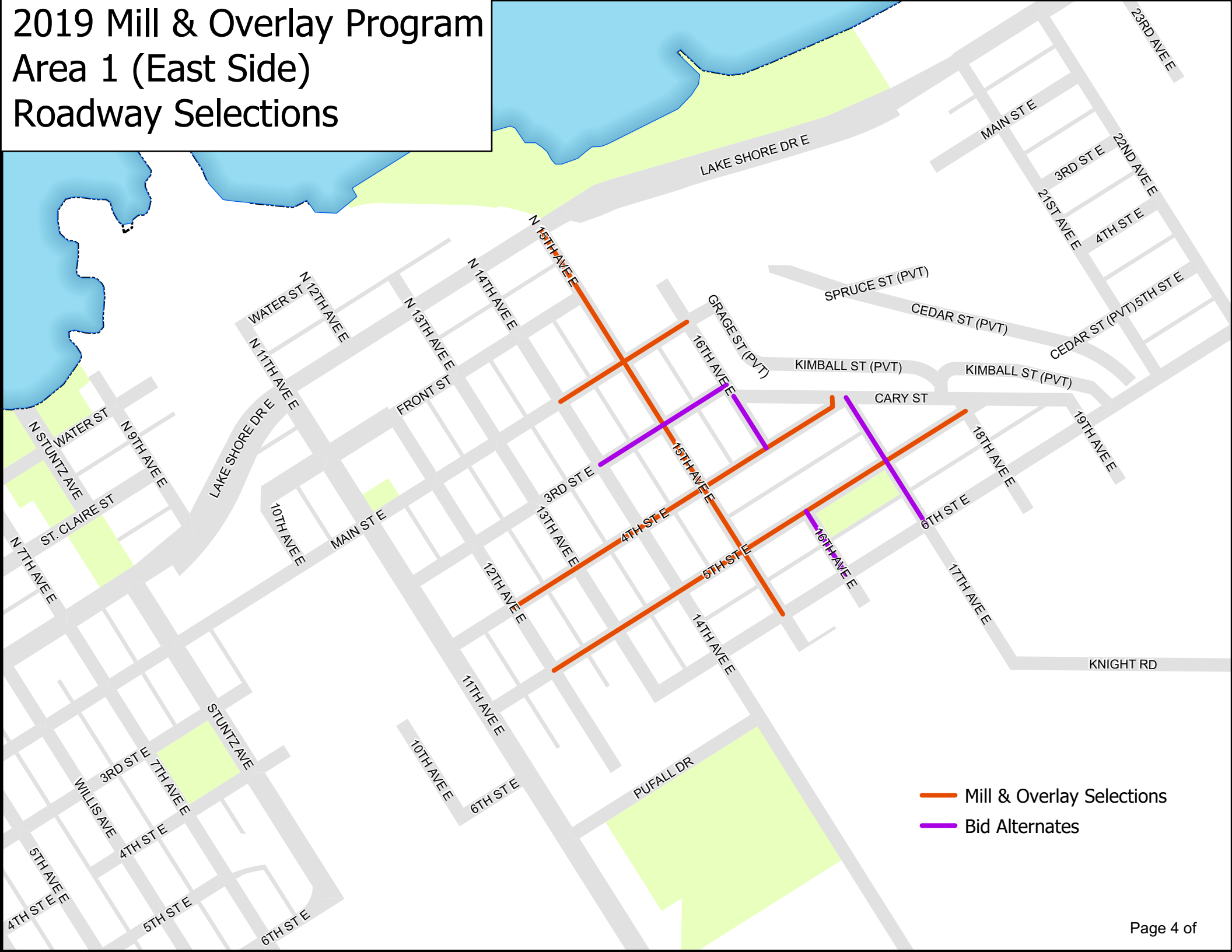
The City of Ashland's 2019 Budget includes \$435,000 in Street Improvements (CP 470) dedicated to a mill and overlay program. "Mill" refers to the process of removing a portion of the existing asphalt and "Overlay" refers to the replacement of the removed asphalt with a new asphalt surface. The existing base remains primarily undisturbed. This technique is one component of a broader approach to pavement management. Because only the top layer of asphalt is replaced, roads selected for mill and overlay should be largely free of major structural defects and/or issues pertaining to the road base while the asphalt section should be largely free of the types of asphalt distresses attributed to structural failure. An overlay applied over a base in good condition, typical environmental conditions, and expected traffic patterns should have a useful life of +/- 15 years.

Roads were selected for work in 2019 based on an assessment of existing pavement condition, age/condition of underlying utilities, observed traffic patterns, and plans for future capital projects.

Using information gathered by City staff as part of WisDOT's Pavement Surface Evaluation and Rating (PASER) system, roads observed to have noteworthy traffic volume and with an overall condition rating between "poor" and "fair" were identified. Roads with pavement condition rating as "very poor" or "failed" will typically not provide an adequate driving surface or provide the expected useful life after an overlay. Road segments where future capital projects are planned, as identified by previous planning efforts, were excluded. The age and maintenance history (main breaks, blockages, etc) of the utilities associated with identified segments were evaluated in order to minimize the risk of applying an overlay on a roadway segment where the condition of the underlying utilities may require future, significant repair or replacement.

Finally, effort was made in the identification process to find "groups" of roadway segments meeting the above criteria in order to minimize contractor costs associated with mobilization and improve efficiency. Of the road segments identified in the attached exhibits, 15th Ave E and 16th Ave W were selected as a major roads based on traffic volume. Nearby local roads meeting the above criteria were identified around these major roads in order to develop the two areas shown in the exhibits. These areas are recommended for mill and overlay in order to provide an improved roadway surface while best optimizing the associated cost benefit relationship

2019 Mill & Overlay Program Area 1 (East Side) Roadway Selections



2019 Mill & Overlay Program
Area 2 (West Side)
Roadway Selections

