

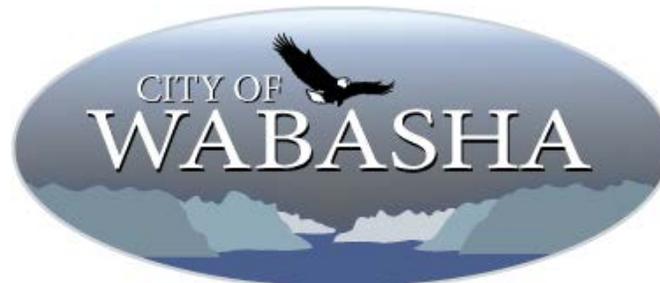


Real People. Real Solutions.

# Informational Meeting 2019 Street Improvement Project

May 11, 2017

October 30, 2018





# Pavement Ratings

- PASER Method
- 1-10 Scale – 10 New, 1 Failed
- Typical Treatments
  - 7-10 – Crack and Chip Seal
  - 4-6 – Mill and Overlay
  - 1-3 - Reconstruction





## Pavement Ratings

- All pavements in the project area fall within the mill and overlay or reconstruction category



# Existing Conditions – Streets



Alleghany Avenue



Augustin Avenue



# Existing Conditions – Streets



River Drive S



9<sup>th</sup> Street E



# Existing Conditions – Streets



12th Street E



# Existing Conditions – Streets



Asphalt Curb



# Existing Conditions – Streets



Concrete Curb



## Existing Conditions – Storm Sewer

- Storm Sewer
  - Drainage system consists of mostly surface drainage along curb lines, flows to storm sewer or adjacent streets
  - Minimal storm sewer along Pierce Ave., 12<sup>th</sup> St. and River Dr.



## Existing Conditions – Sanitary Sewer

- Sanitary sewer pipe
  - Vitrified clay pipe (VCP), 6-12 inch diameter
  - Age ranges from 30-100 years old
  - Infiltration issues, root intrusion, structural issues
  - Problem pipes in project area have been identified
    - Jefferson Ave at 10<sup>th</sup> Street
    - Alley west of Jefferson north of 8<sup>th</sup> Street



## Existing Conditions – Water Main

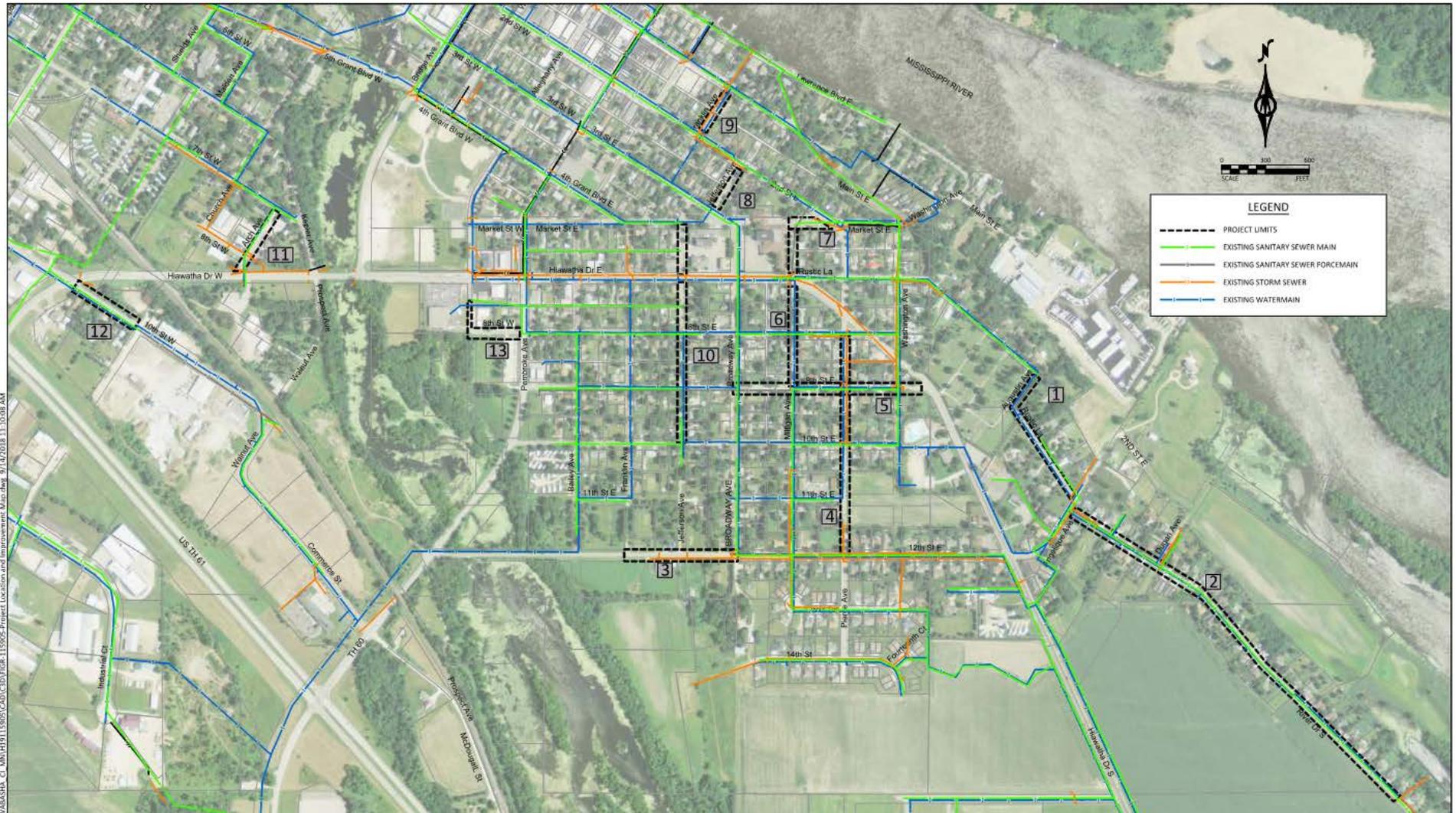
- Water main
  - Cast iron pipe (possibly some ductile iron), 6-8 inch diameter
  - Age ranges from 60-100 years old
  - Outlived useful life
  - Few watermain break issues to date in project area



# Existing Conditions – Utility Location Map

2019 STREET IMPROVEMENTS  
CITY OF WABASHA, MINNESOTA

Figure 3 : EXISTING UTILITIES  
SEPTEMBER 2018



WABASHA, CI. MINN119115905\CAD\CADD\FIG. 115905-Project Location and Improvement Map.dwg 9/14/2018 11:10:08 AM

# Proposed Project

- Mill and Overlay
  - Mill and pave new 2-inch thick asphalt surface
- Reclaim and Pave
  - Reclaim and pave new 4-inch asphalt surface
  - Augustin Ave/Rustic Lane
  - 8<sup>th</sup> Street/Alleghany Ave (also grade raise)
- Other Work
  - Spot repairs, full depth patch
  - New bituminous curb (where it currently exists)
  - Spot repair of concrete curb (where it currently exists)



# Proposed Project

- Expected Life
  - Mill and Overlay – 10-15 years, possibly 20-25 with proper maintenance and stable underlying base.
  - Reclaim and Pave – 20-25 years, possibly 30-35 with proper maintenance and stable underlying base.
  - Reflective cracking WILL OCCUR on mill and overlay sections. This is normal and should be expected within 1-2 years. Should be sealed as has been done in past practice.



# Proposed Project

2019 STREET IMPROVEMENTS  
CITY OF WABASHA

Figure 4: PROPOSED IMPROVEMENTS  
SEPTEMBER 2018



F:\WABASHA\_C\MIN\115905\CAD\CIV\FIGR\_115905-Project Location and Improvement Map.dwg 27/02/2018 11:10:14 AM

# Proposed Project

- Storm Drainage
  - Possible subdrain and sump services along Augustin Ave./Rustic Ln.
  - Possible storm sewer along 10<sup>th</sup> Street
  - To be further evaluated during final design
  - “Bird baths” can NOT be solved with a mill and overlay project, since grades are not being changes. Some improvements will be seen due to improved cross slope.



# Proposed Project

- Sanitary Sewer
  - No sanitary sewer pipe improvements included in project.
  - New watertight castings will be installed
  - Problem pipes will be addressed through separate CIPP lining project, approved by Utilities Commission (no assessments)
    - Jefferson Ave at 10<sup>th</sup> Street
    - Alley west of Jefferson north of 8<sup>th</sup> Street
    - Also 6<sup>th</sup> Street W between Phelps and Gambia



# Proposed Project

- Watermain
  - No watermain improvements included in project, aside from valve adjustments.
  - If watermain improvements were included, project would become a full reconstruct.
  - At end of expected pavement life, watermain will be approaching 80-125 years old. Future watermain repairs, involving cutting into pavement, should be expected during pavement life.



# Estimated Project Cost

	<b>Total Project Cost</b>
Total Estimated Construction Cost	\$1,056,000
Design and Construction Engineering	\$190,000
Administration and Legal	\$53,000
<b>Total Estimated Project Cost</b>	<b>\$1,299,000</b>



# Assessments

- City's Local Improvement Policy
- Project is a Class E improvement
- Street improvements assessed to benefitting properties on per unit basis
  - 20% of project costs
- Benefitting properties are those abutting the improvement
- Assessable units are calculated using Equivalent Residential Units (ERU)



# Assessments

- Single Family Residential Lot = 1 ERU
- Multi-family and non-residential properties are adjusted based on a formula in the policy
- Preliminary estimates for ERU's – 187.5
- Estimated assessments:
  - $\$1,299,000 \times 20\% = \$259,800$  divided by 187.5
  - \$1,386 per ERU
  - Individual Assessment Range - \$693 - \$10,391
  - Average Assessment - \$1,502
  - Similar to past projects in 2014 and 2016



# Assessments

- Parcels that were assessed as a part of the 2013 Street & Utility Improvement project will NOT be assessed for this project, per City policy.
- Final Assessments will be determined in March 2019 and will be based on bids received for the project.
- Assessments not pre-paid will go on 2020 taxes, amortized based on period and rate determined by Council.



# Project Schedule

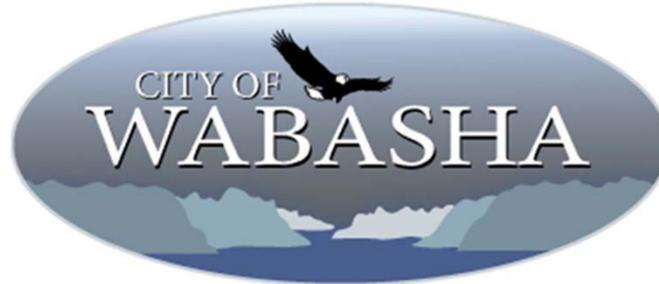
Steps Required	Date
Council Orders Preparation of Feasibility Report	8/7/18
Prepare Feasibility Report	9/1/18 – 10/1/18
Resolution Receiving Report and Calling for Hearing on Improvement	10/2/2018
Published Notice of Hearing on Improvement	10/24/18 and 10/31/18
Mailed Notice of Hearing on Improvement	10/24/18
Neighborhood Informational Meeting #1	10/30/18
Improvement Hearing	11/1/18
Resolution Ordering Improvement and Preparation of Plans and Specifications	11/1/18
Prepare Plans and Specifications	11/7/18 – 2/4/19
Neighborhood Informational Meeting #2	1/8/19
Resolution Approving Plans and Specifications and Ordering Advertisement for Bids	2/5/2019
Advertise for Bids	2/6/19
	2/13/19
	2/20/19
Open Bids	2/27/19
Resolution Declaring Cost to Be Assessed and Ordering Preparation of Proposed Assessment	3/5/19
Resolution for Hearing on Proposed Assessment	3/5/19
Prepare Assessment Roll	3/6/19 – 4/1/19
Published Notice of Hearing on Proposed Assessment	3/13/19
Mailed Notice of Hearing on Proposed Assessment	3/13/19
Neighborhood Informational Meeting #3	3/26/19
Assessment Hearing	4/2/19
Resolution Adopting Assessment	4/2/19
Resolution Awarding Contract	4/2/19
Begin Construction	May 2019
End Construction	September 2019



## Future Meetings

- Improvement Hearing – 11/1/18 Council Meeting
- Informational Meeting No. 2 – Tentatively set for 1/8/19 – More detail on final design, what will be built.
- Informational Meeting No. 3 – Tentatively set for 3/26/19 – After bids are taken. Will cover assessments and construction schedule/impacts.
- Assessment Hearing – Tentatively set for 4/2/19 Council Meeting





# Informational Meeting 2019 Street Improvement Project

October 30, 2018

## Questions?

