



2021 Pavement Management Project

Neighborhood Meeting
December 10, 2020



Introductions



Ryan Burfeind, PE
Public Works Director/
City Engineer



Amanda Meyer, PE
Assistant City Engineer



Mike Boex, PE
Bolton and Menk
Consultant Engineer

What is the purpose of tonight's meeting?

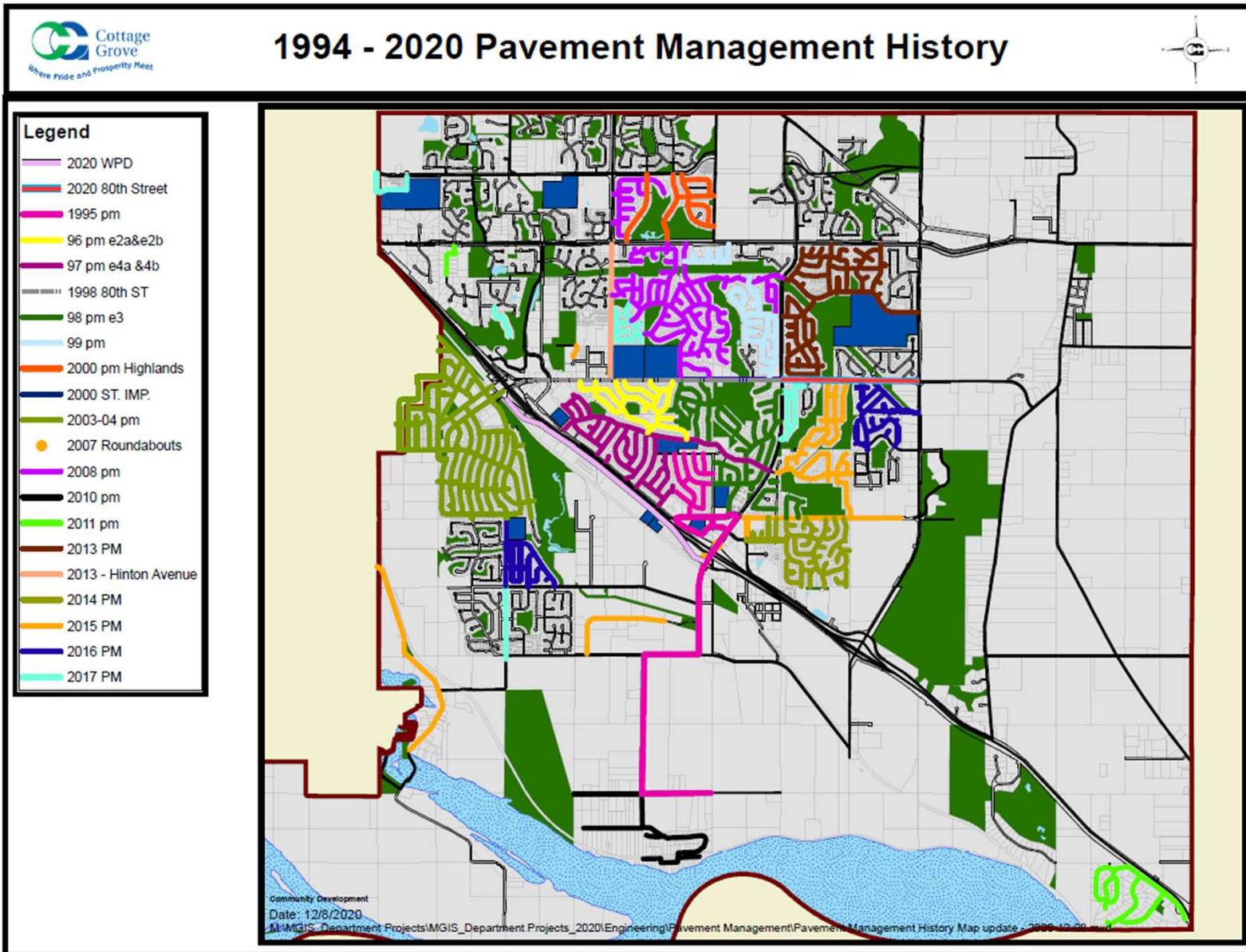
- Provide Pavement Management Background
- Discuss the proposed improvements, schedule, and financing.
- Obtain feedback on the proposed project from property owners.
- Strictly an informational meeting.

Pavement Rehabilitation Methods

- Seal Coat/Crack Seal
- Mill & Overlay
- Reclamation/Pavement Replacement
- Reconstruction



Pavement Management History



2021 Pavement Management Areas





Core Samples

- 15 core samples were taken to determine the existing pavement thickness and evaluate the condition.



Existing Conditions

Pine Meadow Neighborhood

Approximate Location: 9821 85th Street

Temporary skin patch overlay across entire width of road performed in 2010. Additional patching has since occurred, and original distresses have reflected through.



Pine Meadow Neighborhood

Approximate Location: 9998 85th Street

Reflective cracking through temporary skin patch overlay.



Existing Conditions

Pine Meadow Neighborhood

Approximate Location: 8732 Joliet Avenue

Fatigue/small block cracking adjacent to an open transverse joint.



Pine Meadow Neighborhood

Approximate Location: 8719 Jorgensen Avenue

Curb and gutter settlement and resultant poor drainage evident; numerous street patches present.



Existing Conditions

Sandy Hills Neighborhood

Approximate Location: 8689 Johansen Avenue

Thin overlay along the curb line to address asphalt stripping, numerous patch attempts and crack sealing present.



Sandy Hills Neighborhood

Approximate Location: 9553 Hillside Trail

Large block cracking typical throughout.



Existing Conditions

Sandy Hills Neighborhood

Approximate Location: 9589 Hillside Trail

Asphalt stripping along the curb line; previous patching attempts evident.



East Meadow Cliff Neighborhood

Approximate Location: 8279 Jeffery Avenue

This photo was taken in 2018 and depicts fatigue cracking, previous route and seal of cul-de-sac. This area has since been patched but the underlying condition is still present.



Existing Conditions

East Meadow Cliff Neighborhood

Approximate Location: 8236 Jeffery Avenue South

This photo was taken in 2018 and depicts severe asphalt stripping and previous attempts to patch. This area has since been patched but the underlying condition is still present.



East Meadow Cliff Neighborhood

Approximate Location: 9063 Upper 81st Street

Asphalt stripping and associated patching attempts.



Utility Inspections

The following inspections were completed to determine what utility repairs will be required

- Visual inspection of all storm and sanitary sewer structures.
- Televising of all storm and sanitary sewer pipes.
- Spot excavation of water main valve boxes to inspect the condition of valve bolts during construction.
- Review of all water main valves to ensure operability.



Proposed Improvements & Assessment

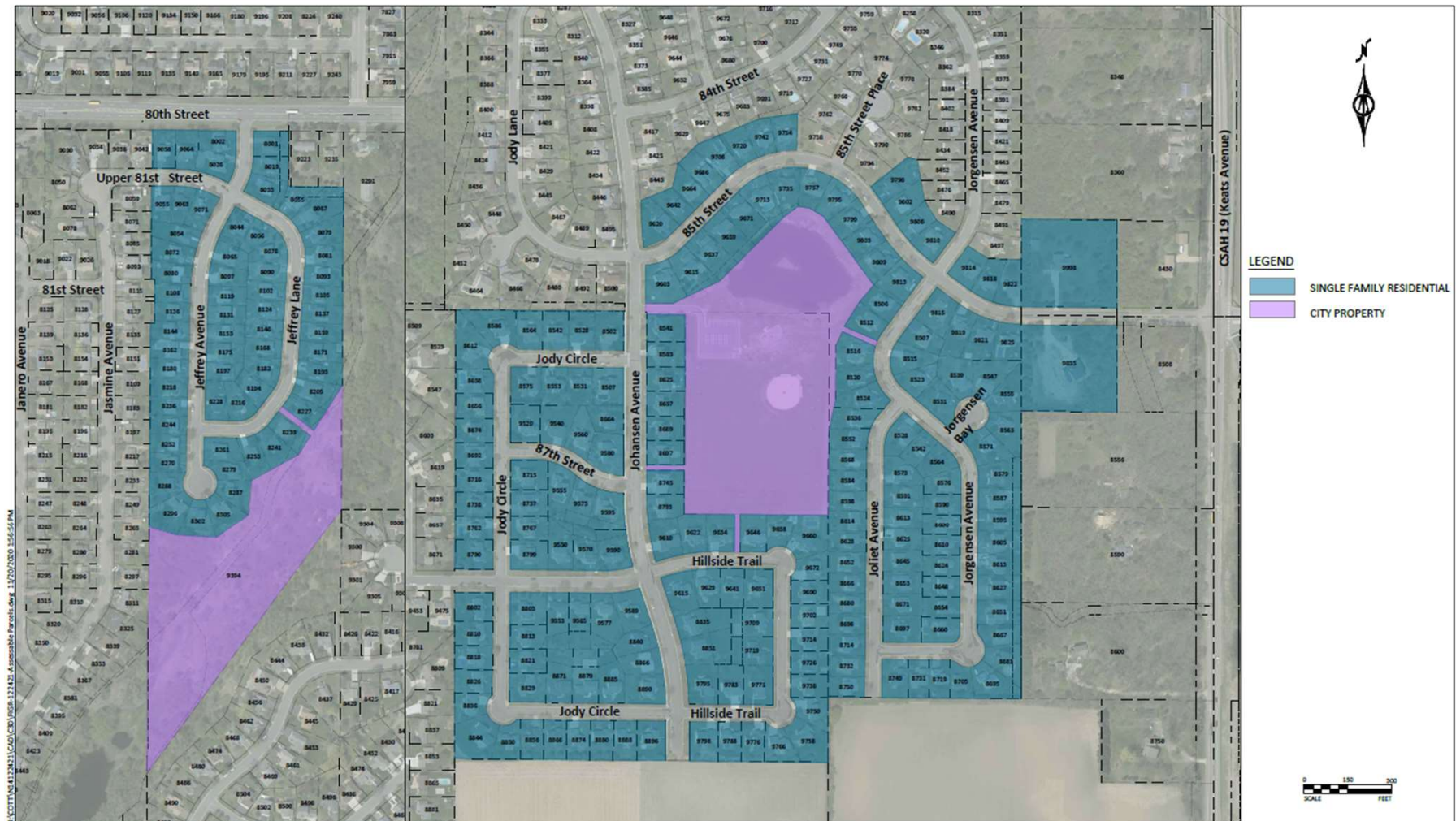
- Full pavement replacement
- Spot utility repairs
- 256 Assessable Residential Buildable Lot Equivalent (RBLE) units
- Assessment per unit per Special Benefit Appraisal - \$5,600-\$7,800
- Assessment per unit per policy - \$4,167.74
- Average Annual Payment over 15 years - \$346.50

Assessable Parcels



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City of Cottage Grove, MN

Figure 11: Assessable Parcels
December 2020





Funding Breakdown

- **Total Project Cost =** **\$2,423,817.35**
- Sanitary Sewer Utility = \$33,268.41
- Water Utility = \$63,976.26
- Storm Water Utility = \$71,999.37
- General Levy = \$1,187,631.80
- Assessments = \$1,066,941.50

Schedule

- Feasibility Report Ordered – August 19, 2020
- Council - Feasibility Report Approved & Called for Public Hearing – December 2, 2020
- Neighborhood Meeting – December 10, 2020
- Public Hearing – January 6, 2021
- Construction Starts Spring of 2021
- Construction Completed September 2021
- Assessment Hearing – October 2021



Assessment Terms



- May be paid within 30 days of adoption to avoid any interest charges.
- Assessment payable over 15 years
- Interest Rate is 1.5% above the bond rate.
- Partial payment is allowed (minimum \$500).
- Pending assessment is listed for the property once the project is ordered.
- Deferral is available (disability, military, 65 years of age or older)
 - Proof is needed for deferrals. Interest still accrues during deferral period.

Arbor Meadows Park Improvements



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Figure 7: Arbor Meadows Park Improvements
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Thank You!

Project Information and Updates:
www.cottagegrovemn.gov/2021PM