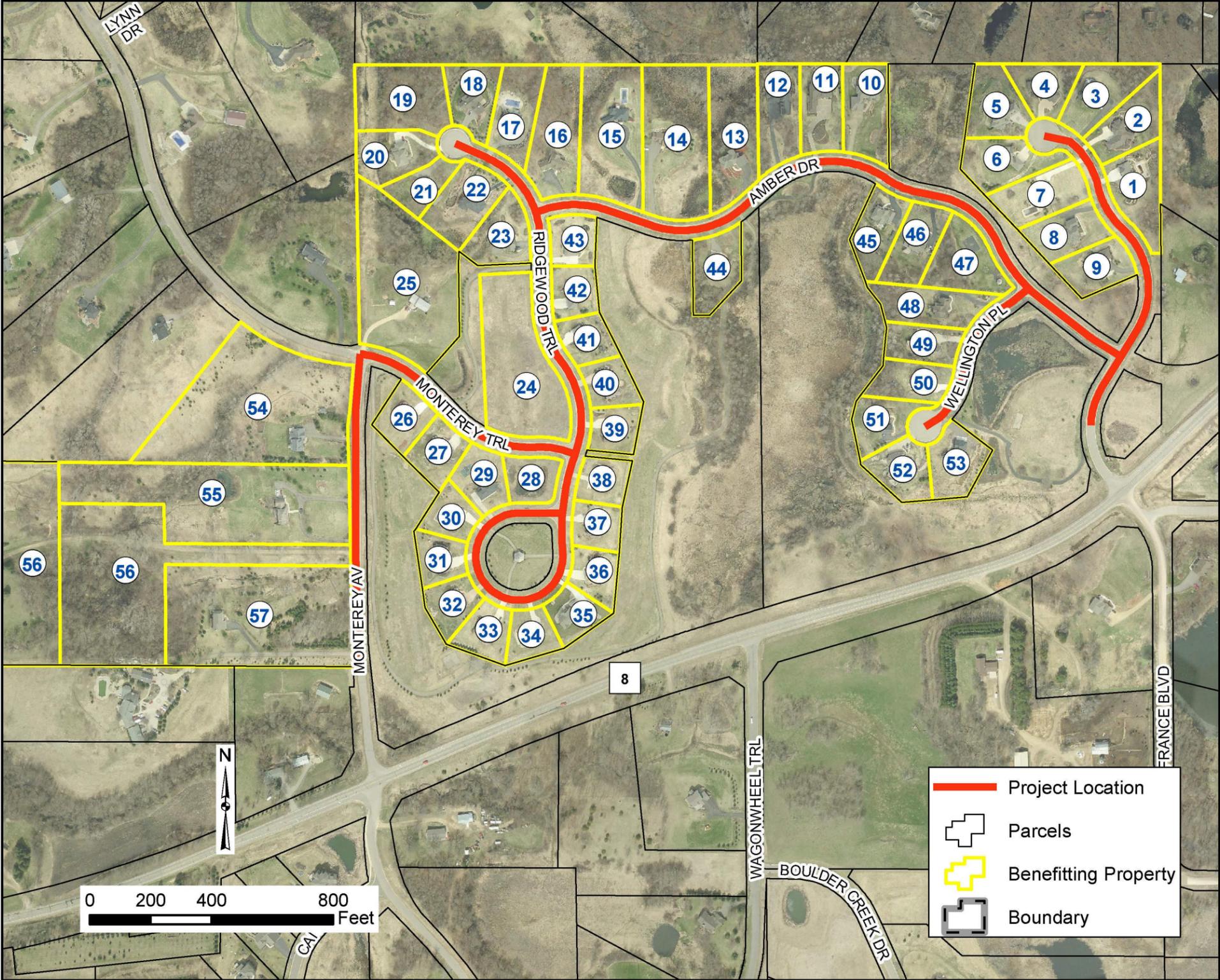


ASSESSMENT HEARING  
MONTEREY HEIGHTS &  
SOUTH PASSAGE  
Overlay Project

Presented By: Shane Nelson, P.E. Town Engineer



# Project Location



# Background

- Project is located in Credit River Township
- Credit River Township owns and maintains 52 miles of paved roads and 12 miles gravel
- There is not enough money levied to fully fund reconstruction and other major improvement projects
- This project is programmed into the Town's Capital Improvement Program in 2020

# Existing Conditions / Purpose

- Pavement is 17-18 years old (2002 / 2003)
- Design Life was 20 years
- Predominately Urban Section with Monterey Avenue being the exception
- Strategic overlay timing to extend pavement life, add strength, and delay more expensive repairs in the near future
- Goal is to extend the pavement life to 30 years with this project

# Pavement Management Explained



# Pavement Management Explained



State Gas Tax Generates  $\pm$  \$900M per year, \$197M is allocated to State Aid Program of which approx. \$1M is allocated to research

The image shows a screenshot of the Minnesota Local Road Research Board (LRRB) website. The header is teal with the LRRB logo on the left, which includes a map of Minnesota and the text "Minnesota Local Road Research Board". On the right side of the header, there are links for "Member Login" and "Search". Below the header is a navigation menu with a home icon and links for "About LRRB", "Research", "News", "Resources", and "Contact Us". The main content area features a large banner image of a winding road in winter. Overlaid on this image is a dark grey box containing the text "Welcome to the LRRB" and a paragraph describing the board's mission: "The mission of the LRRB is to serve local road practitioners through the development of new initiatives, the acquisition and application of new knowledge, and the exploration and implementation of new technologies." Below this text is a teal button labeled "READ MORE". At the bottom of the banner, there is a teal bar with the text "Sign Up For The LRRB E-Newsletter" and a white button labeled "SUBSCRIBE". The footer of the page shows an aerial view of a road with cars and the text "FEATURED PRODUCTS".

Member Login Search

Minnesota Local Road Research Board

Home About LRRB Research News Resources Contact Us

## Welcome to the LRRB

*The mission of the LRRB is to serve local road practitioners through the development of new initiatives, the acquisition and application of new knowledge, and the exploration and implementation of new technologies.*

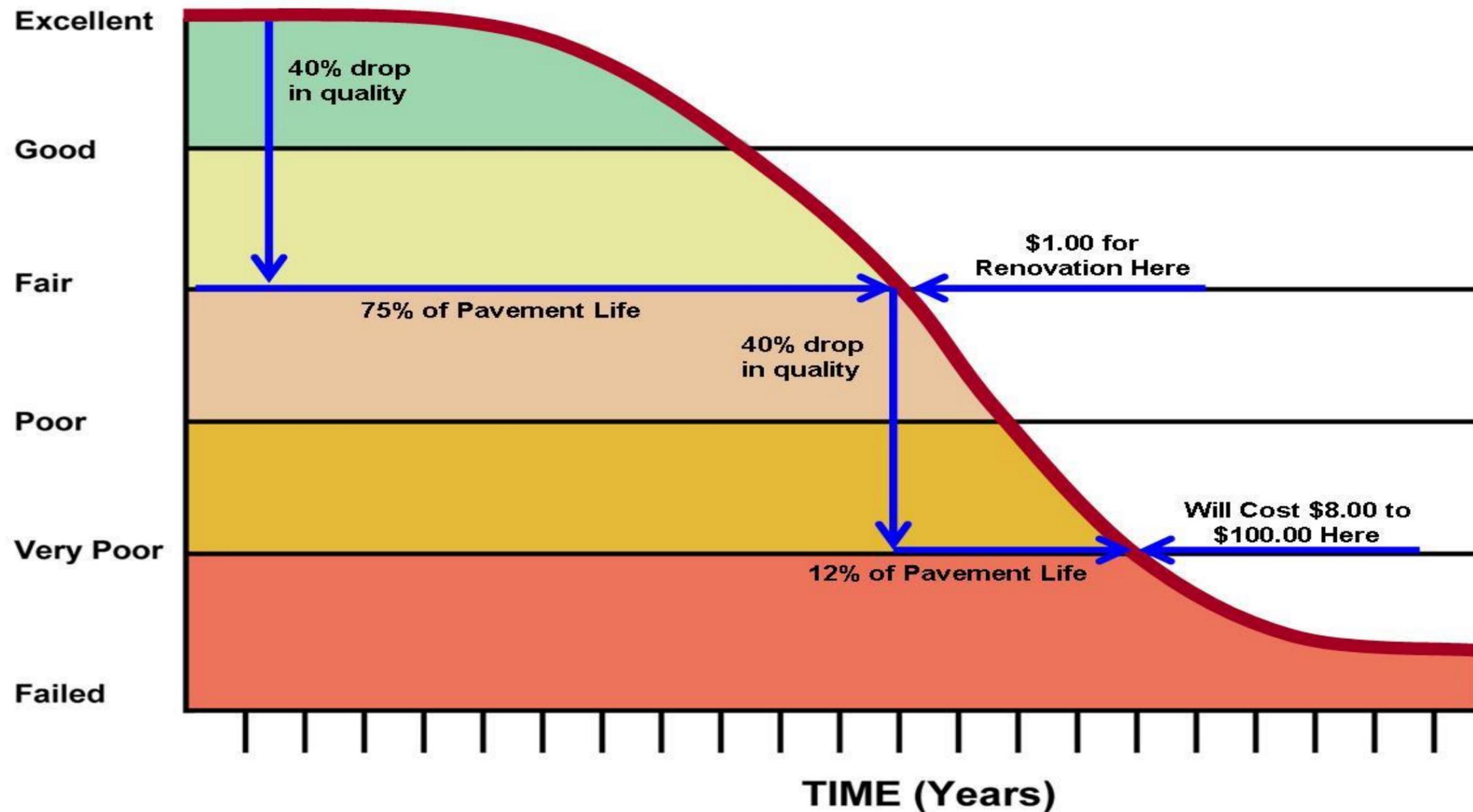
READ MORE

Sign Up For The LRRB E-Newsletter SUBSCRIBE

## FEATURED PRODUCTS

# Figure 1

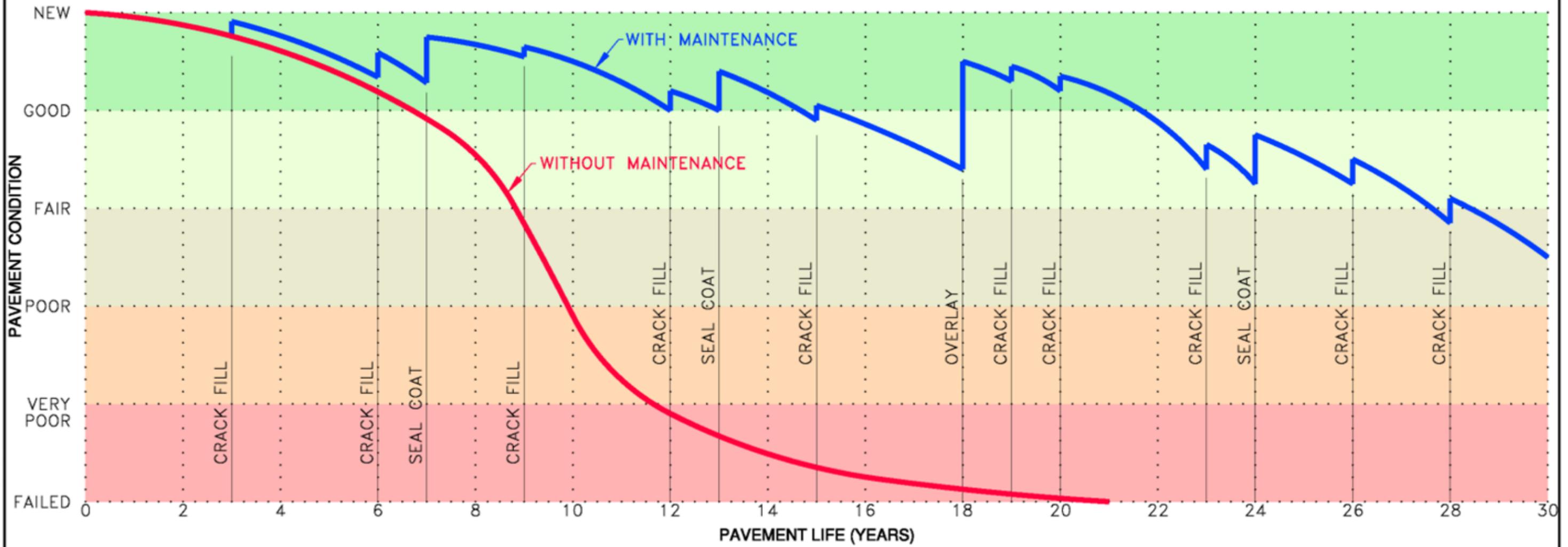
## Typical Pavement Deterioration Curve



# Proposed Improvements

- Construct Bituminous Overlay – 1.5” Thick
  - ▣ Adds Structural Strength
  - ▣ Extends Service Life
  - ▣ Lower Life Cycle Costs
- Seal Catchbasins
- Replace Damaged Curb and Gutter
- Shouldering and Driveway Matching on Monterey

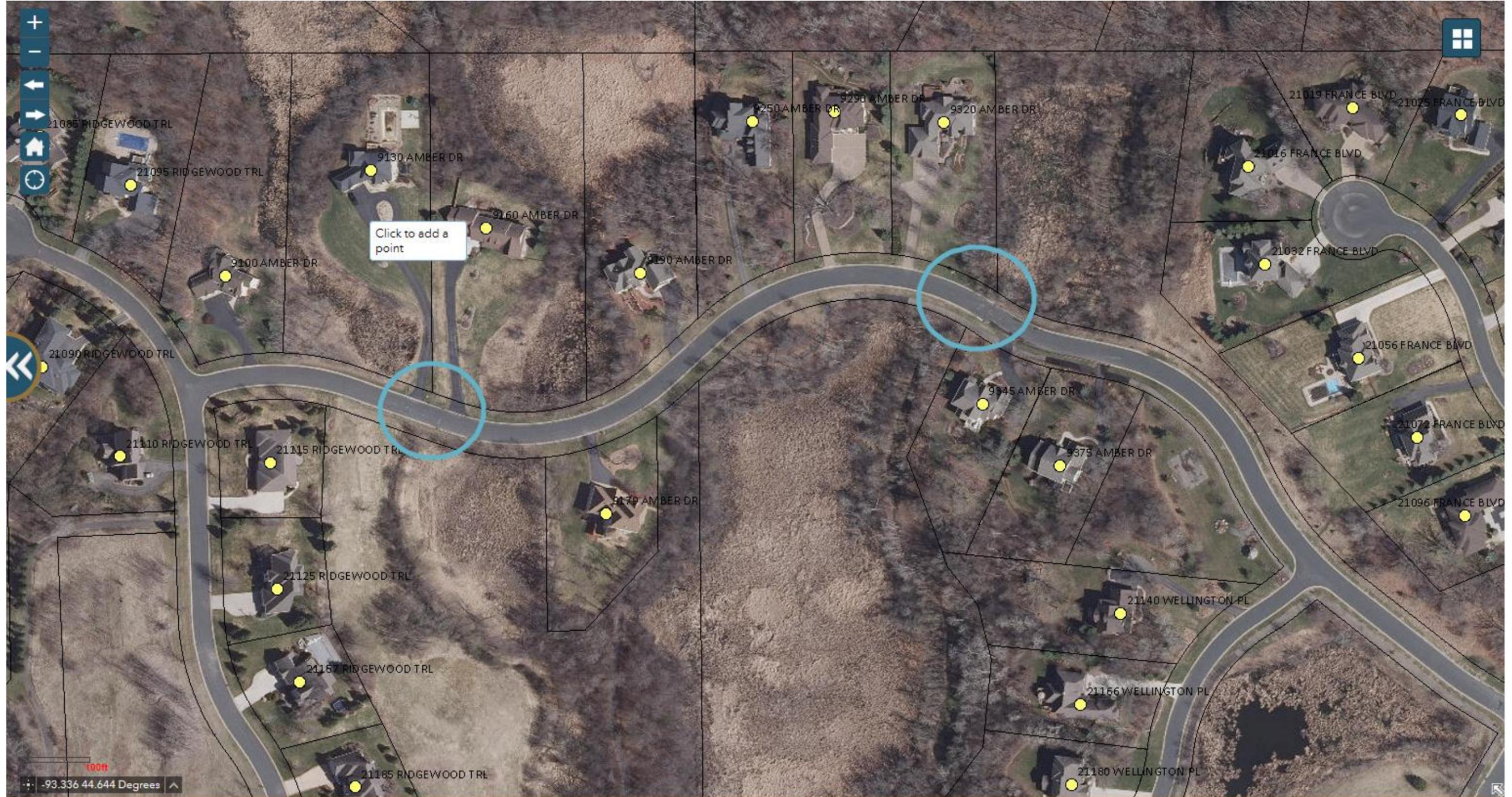
# TYPICAL PAVEMENT DETERIORATION CURVE WITH SCHEDULED MAINTENANCE



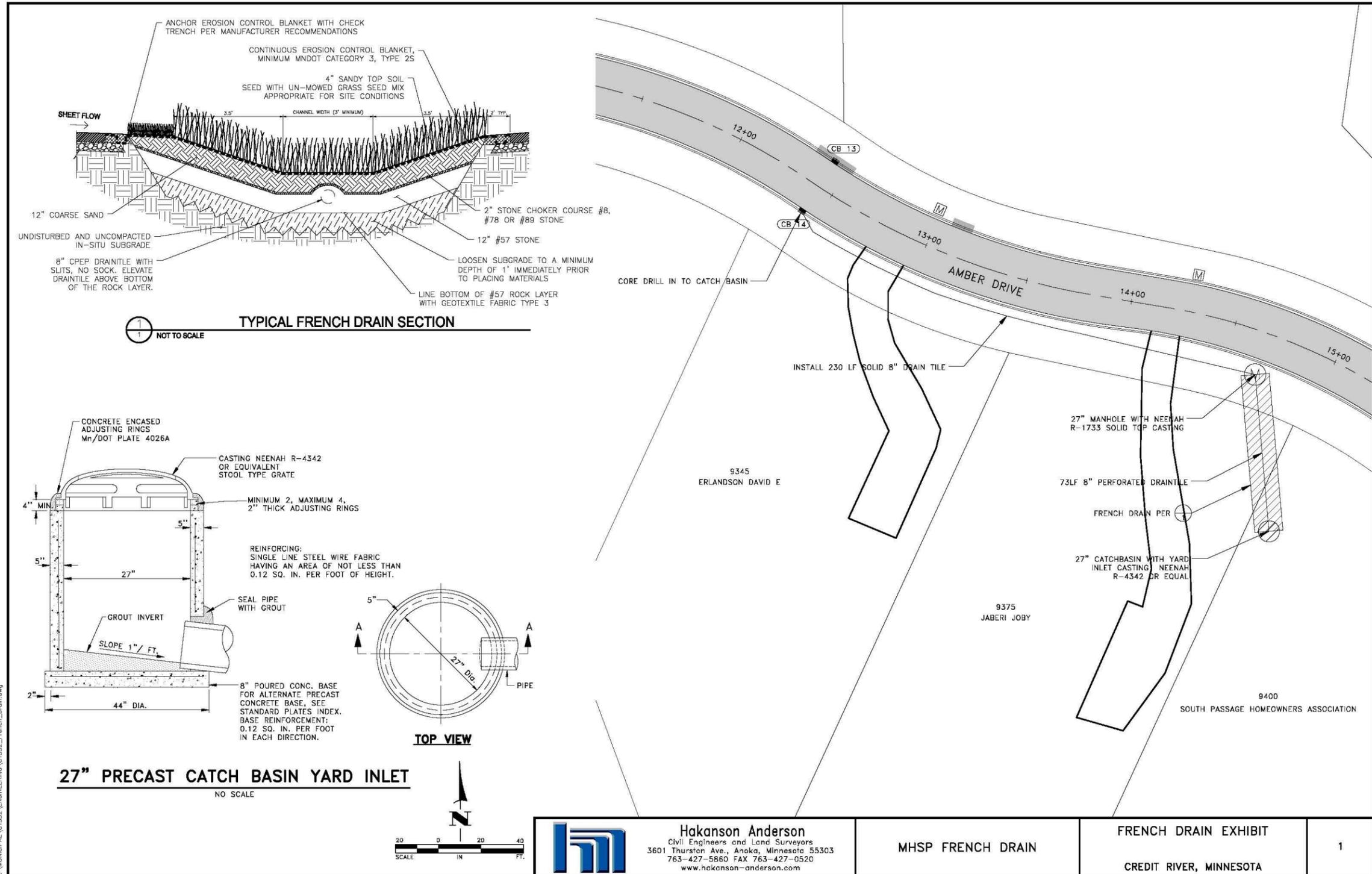
# Estimated Project Costs

- Engineer's Estimate was \$339,150
- 8 Bids were received on April 7
- Bids are ~ \$80k lower than estimated
  - ▣ Credit River typically reduces the assessment based on actual costs
  - ▣ Some of these savings may be applied to correct the “bumps” at storm sewer crossings on Amber Drive
  - ▣ Some of these savings may be applied to drainage improvements on Amber Drive near HOA park

# “Bumps” on Amber Drive



# French Drain on Amber Drive



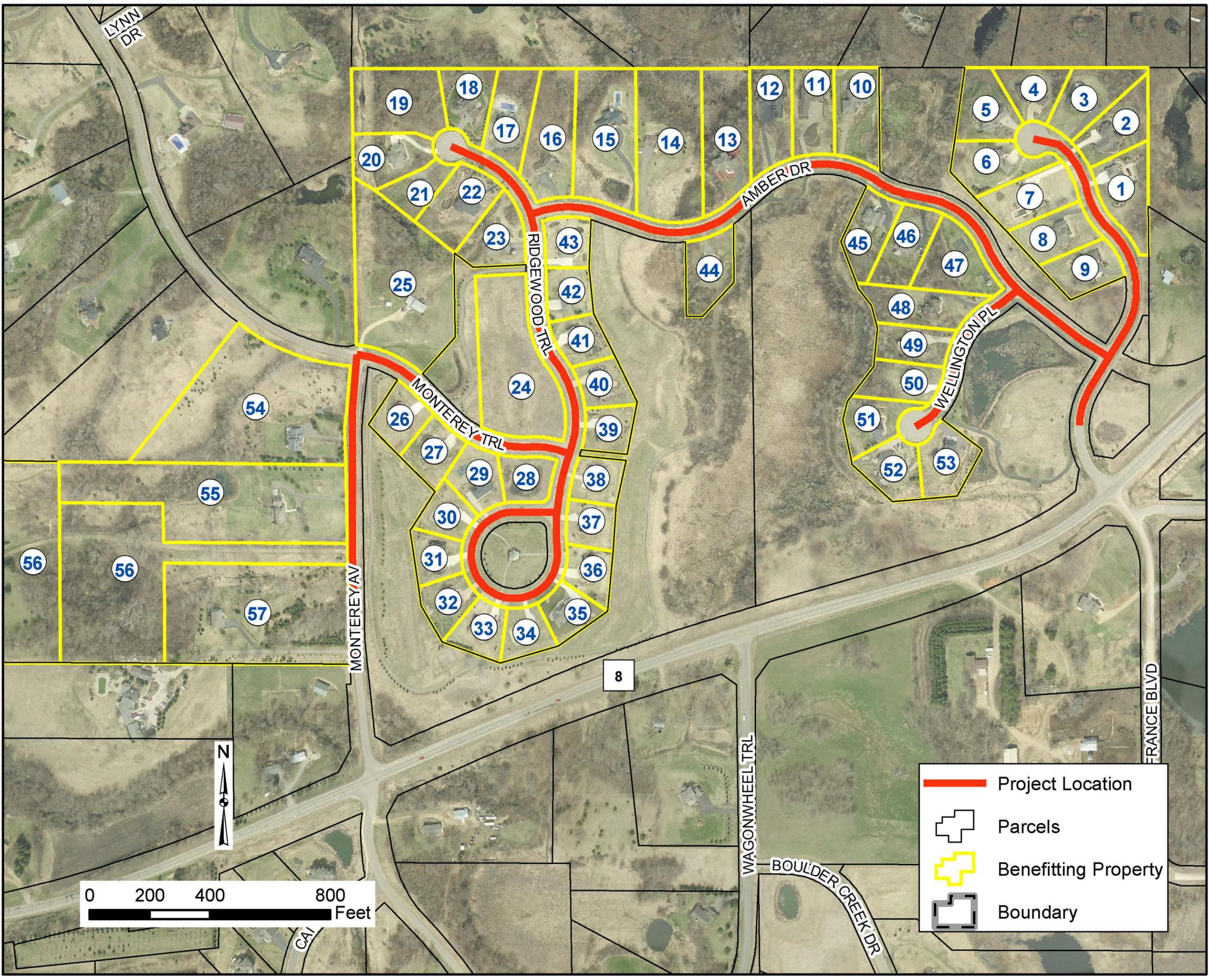
Apr. 03, 2020 - 2:22pm  
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**Hakanson Anderson**  
 Civil Engineers and Land Surveyors  
 3601 Thurston Ave., Anoka, Minnesota 55303  
 763-427-5860 FAX 763-427-0520  
 www.hakanson-anderson.com

MHSP FRENCH DRAIN

FRENCH DRAIN EXHIBIT  
CREDIT RIVER, MINNESOTA

1



0 200 400 800 Feet

	Project Location
	Parcels
	Benefitting Property
	Boundary

# Assessments

- Per Unit Assessment Method
- 57 Benefitting Properties
- Town pays 50% of Project Cost
- Proposed Assessment = \$2,975 / Unit (Original Amount, may be lowered based on Actual Costs)
- Amortized over time, typically 10 years

# Schedule

Dec 16 2019	Public Improvement Hearing
Jan 6 2020	Town Board orders Plans and Specifications
March 2 2020	Town Board approves Plans and Specifications, authorizes Advertisement for Bids
March 2020	Advertise for Bids
April 7 2020	Bid Opening
<b>April 20 2020</b>	<b>Assessment Hearing</b>
May 4 2020	Town Board approves Bids and awards Contract
June 2020	Construction Starts
September 2020	Substantial Completion

# Alternatives – Delay the Project

- Road would continue to function with:
  - More potholes and decreased level of service
  - Condition would deteriorate until more expensive repair is required
  - Town's contribution will decrease (40% for reconstruction vs. 50% for overlay) for more extensive repairs

# Questions / Comments



Please verbally state your name and address and wait to be recognized by the Chairman.