

# Comprehensive Street Condition Survey Vergas, MN



January 10, 2023

# Overview

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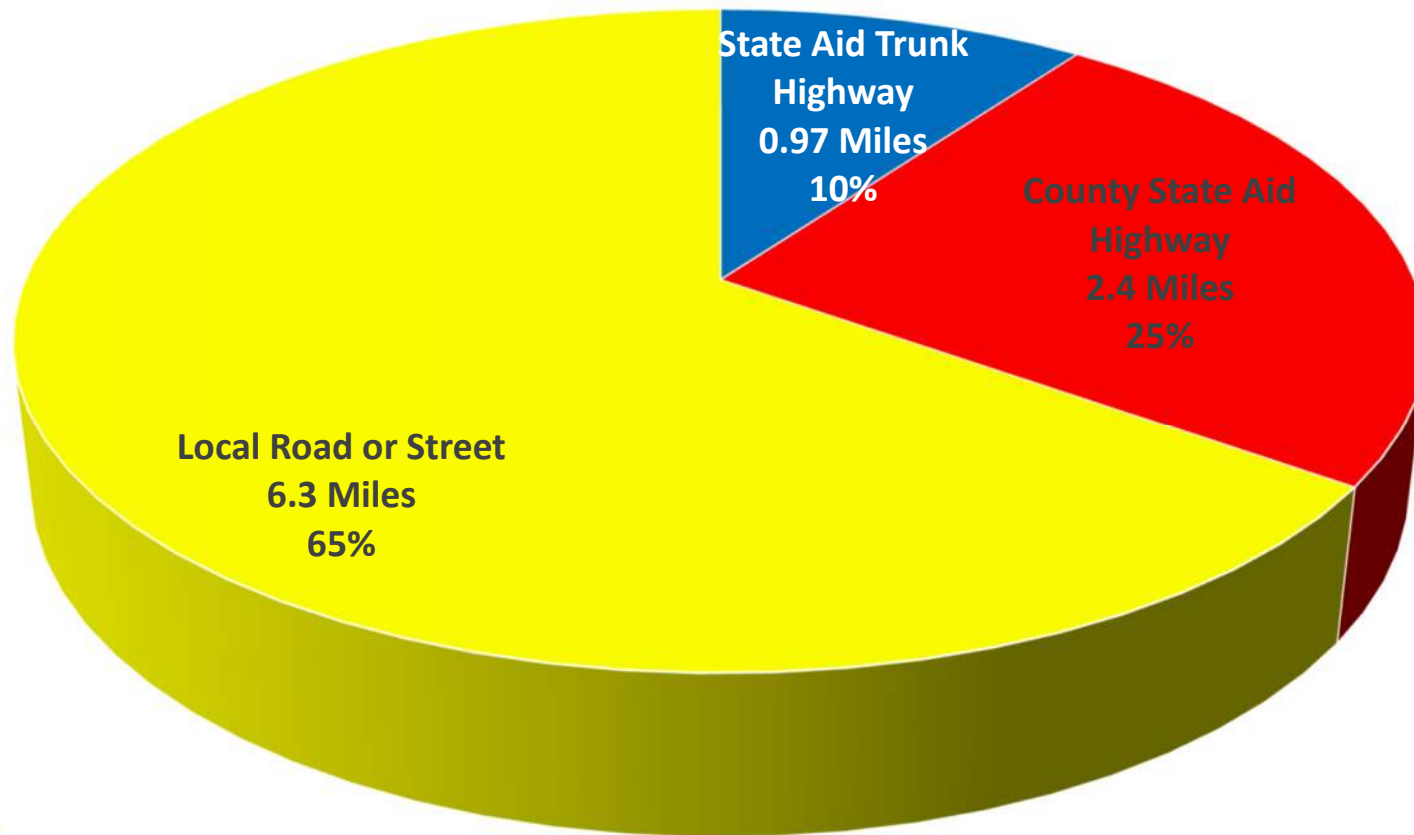
- Bituminous Streets
- Pavement Management System
- Move away from “worst first”

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# Lengths by Classification





# Pavement Condition 1: Nearly New



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E. Altona Dr

# Pavement Condition 2: Thin Overlay



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N Railway Ave

# Pavement Condition 3: Major Overlay



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Alley behind Liquor Store



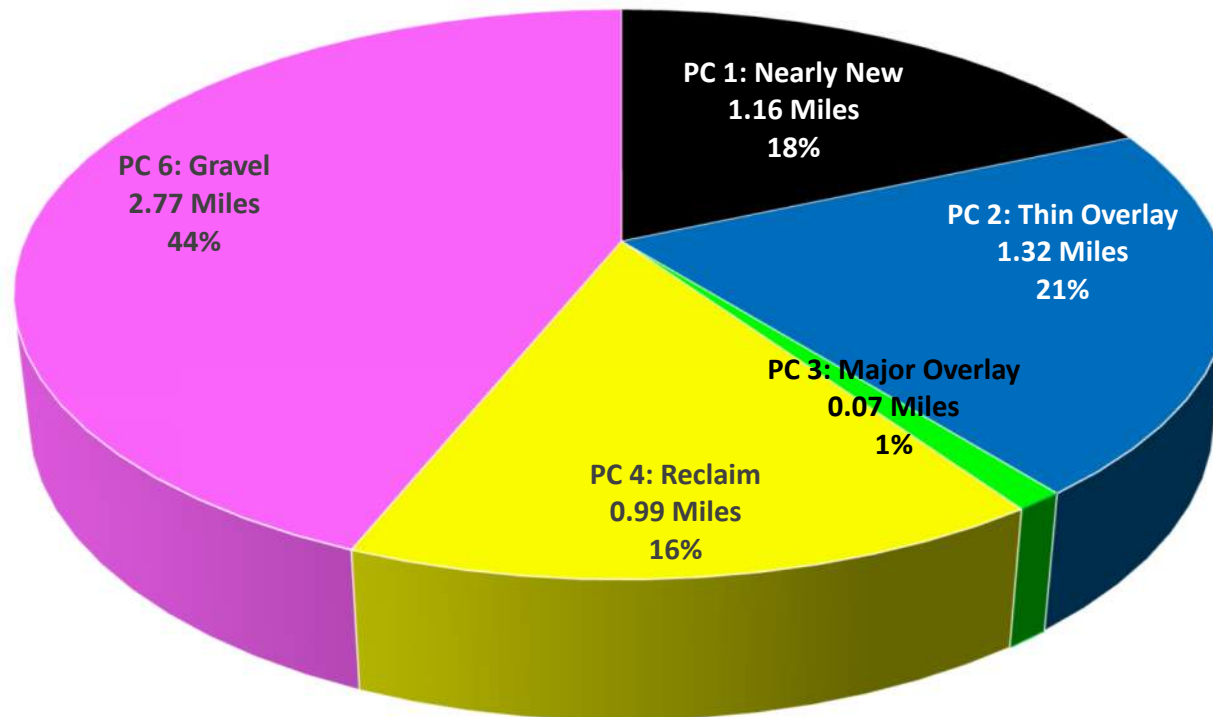
# Pavement Condition 4: Reclaim



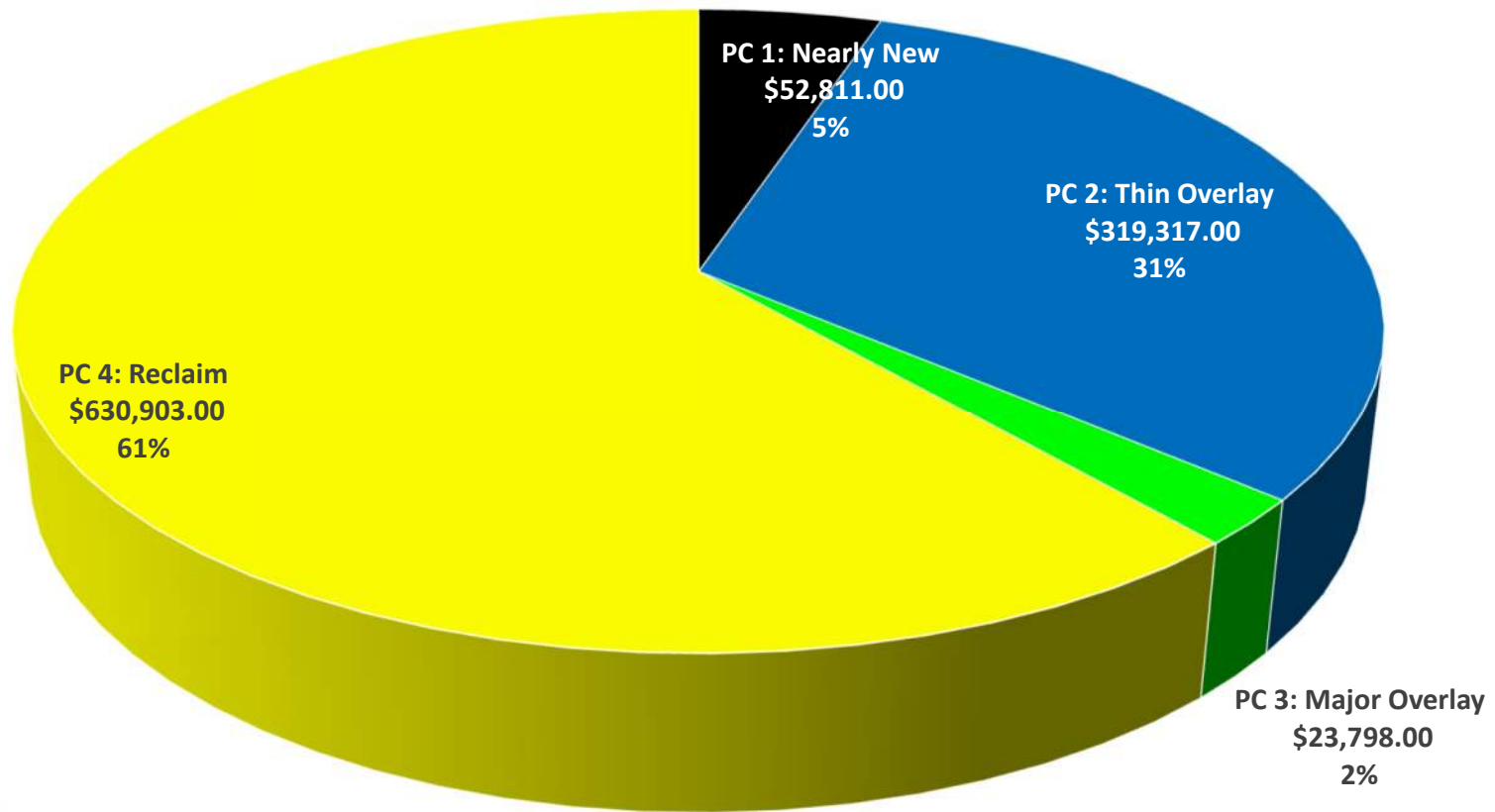
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E Scharf Ave

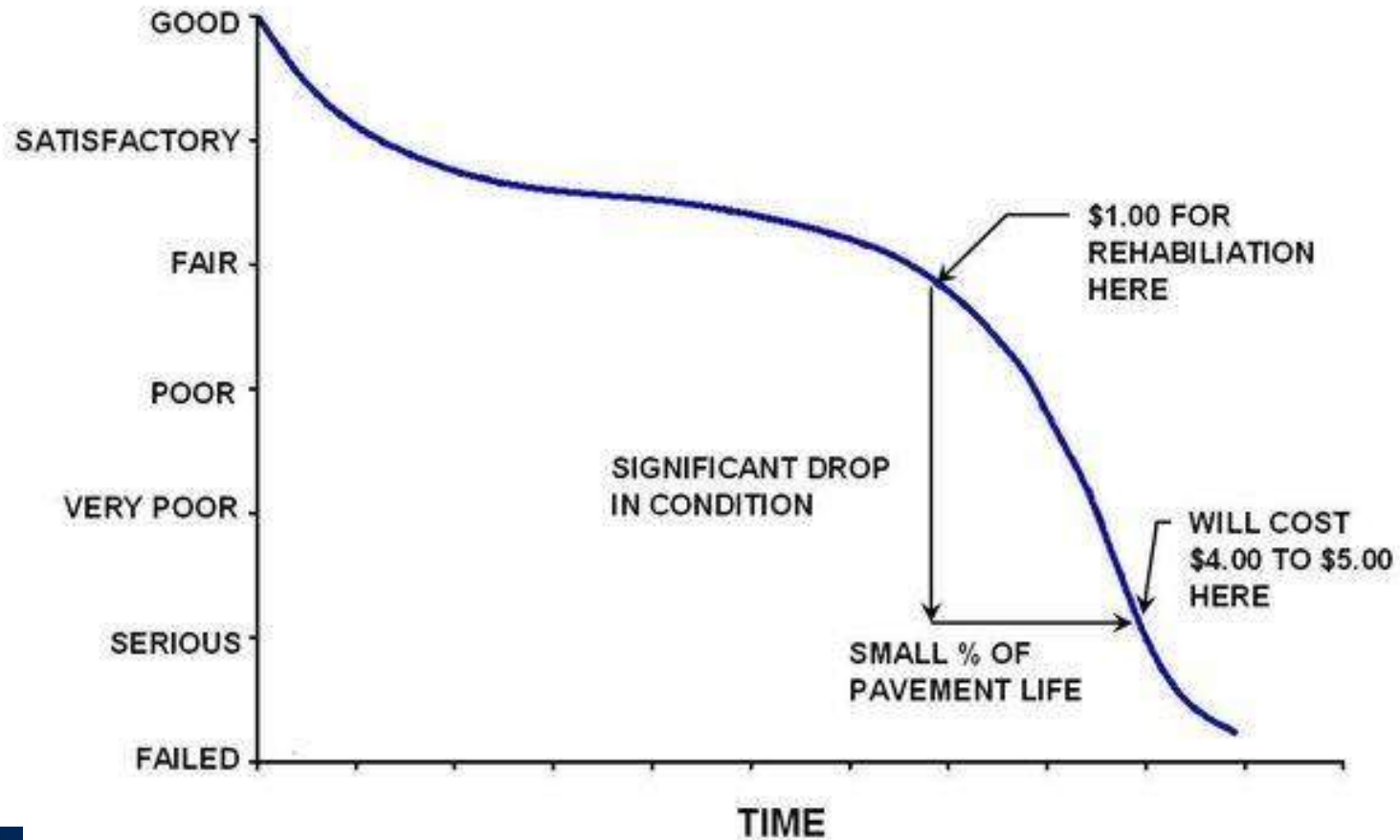
# Street Conditions By Length



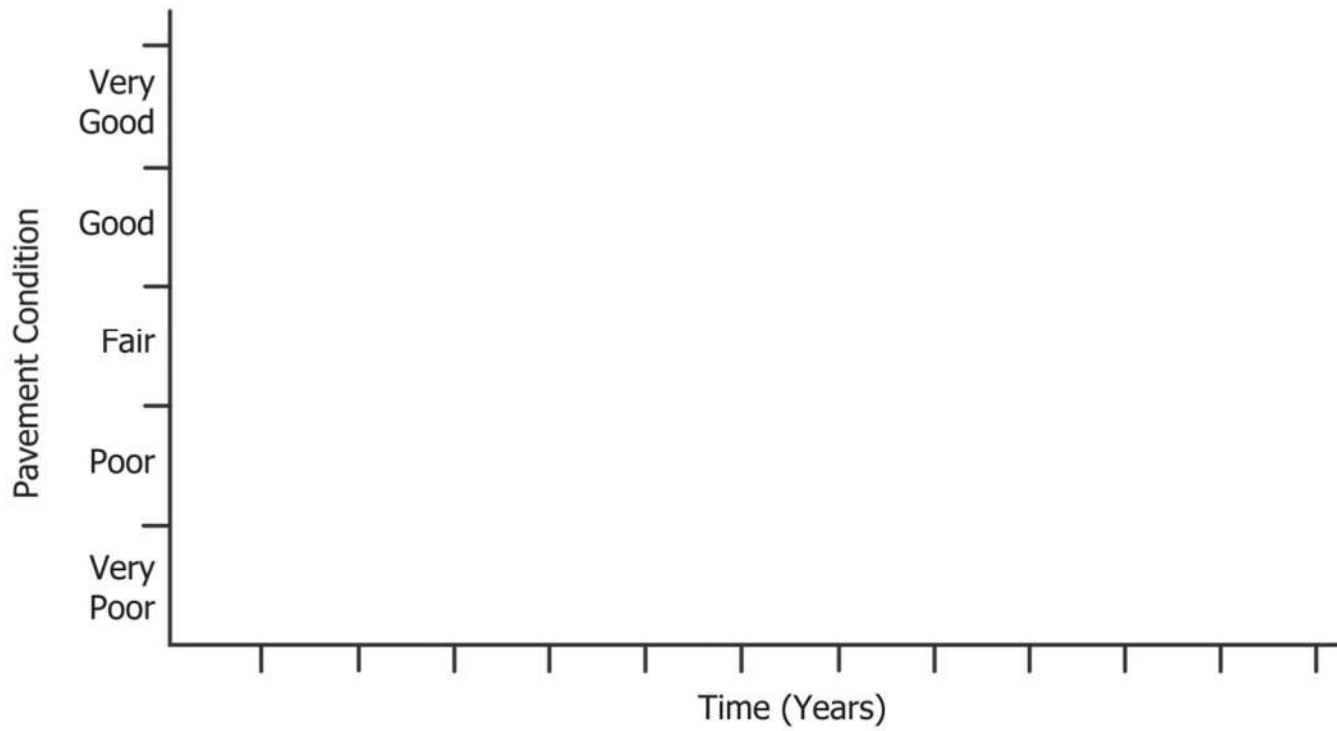
# Cost of Street Improvements



# Pavement Life Cycle



# Pavement Life Cycle



# Cost of Street Improvements

<b>Pavement Conditions</b>	<b>Miles</b>	<b>Cost</b>
Pavement Condition 1	1.16 miles	\$52,811
Pavement Condition 2	1.32 miles	\$319,317
Pavement Condition 3	0.07 miles	\$23,798
Pavement Condition 4	0.99 miles	\$630,903
Pavement Condition 5	0.00 miles	\$0
Pavement Condition 6	2.77 miles	\$0
<b>Total</b>	<b>6.31 miles</b>	<b>\$1,026,829</b>

# Value of Overlay Program

<b>With Overlay Program</b>	<b>Miles</b>	<b>Cost</b>
Pavement Condition 2	1.32 miles	\$319,313
Pavement Condition 3	0.07 miles	\$23,798
<b>Total</b>	<b>1.39 miles</b>	<b>\$343,115</b>

<b>Without Overlay Program</b>	<b>Miles</b>	<b>Cost</b>
Pavement Condition 2 becomes 4 (5+ yrs.)	1.32 miles	\$710,560
Pavement Condition 3 becomes 5 (5+ yrs.)	0.07 miles	\$28,431
<b>Total</b>	<b>1.39 miles</b>	<b>\$738,991</b>


# Benefits of the system



- Cost Savings
- Capital Improvement Plan (CIP)
- Geographic Information Systems (GIS)





# ArcGIS Online

Alexandria Streets Map 

Open in Map Viewer Classic  

### Legend

Condition

F2020\_Cond

- 1 - Nearly New
- 2 - Minor Overlay
- 3 - Major Overlay
- 4 - Reclaim
- 5 - Reconstruct
- 6 - Gravel

x


### Douglas County 2019 Imagery

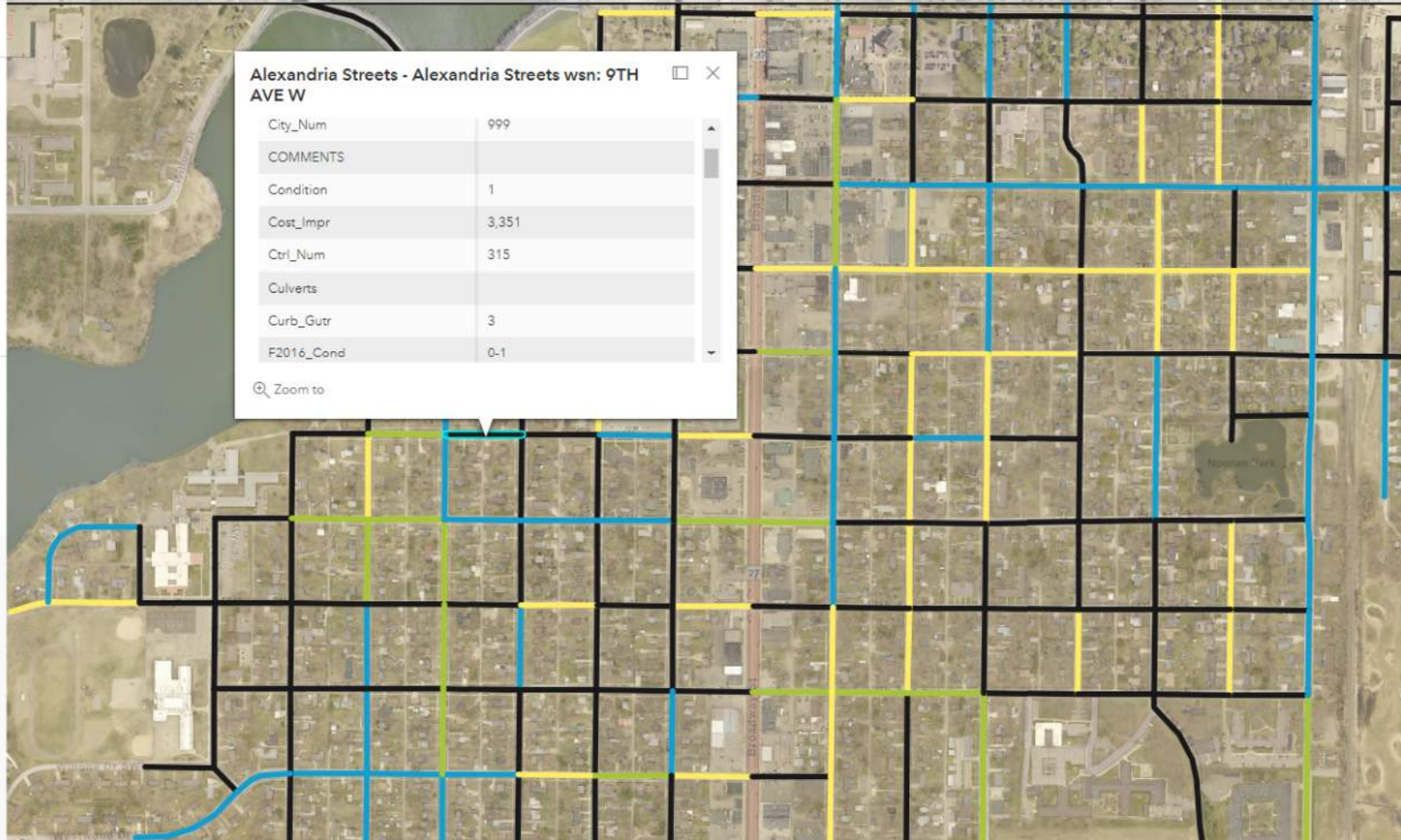
MDS\_2019

- Red: Red
- Green: Green
- Blue: Blue

### Alexandria Streets - Alexandria Streets wsn: 9TH AVE W

City_Num	999
COMMENTS	
Condition	1
Cost Impr	3,351
Ctrl_Num	315
Culverts	
Curb_Gutr	3
F2016_Cond	0-1

 Zoom to

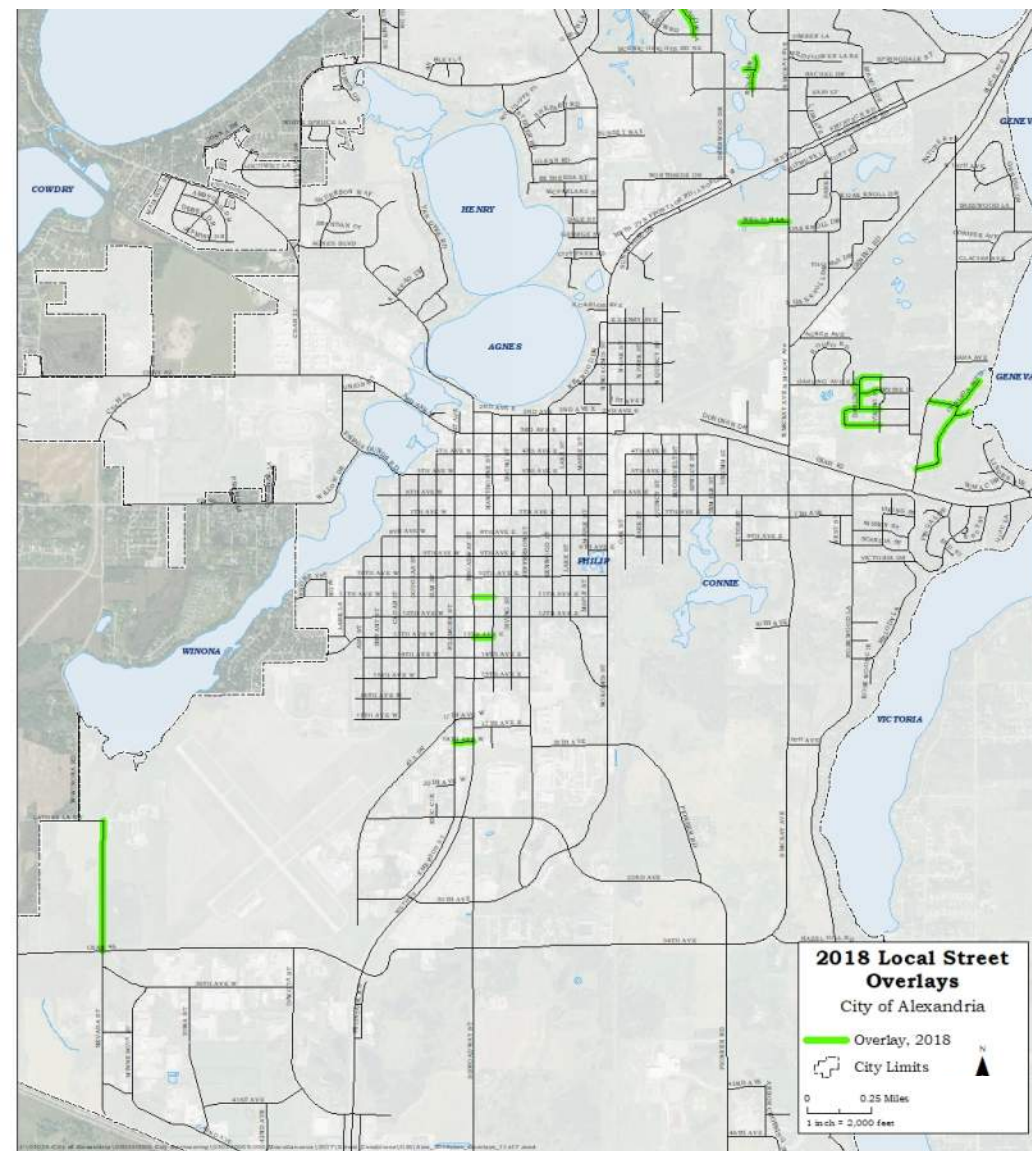


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# Overlay Program

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- Develop five-year plan
- Plan for future construction season



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# Invest in the 2s and 3s



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# Thank You!

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