

# **Infrastructure Services Capital Budget Allocation**



# Current Roads And Transportation Budget Allocation

Project Category	2015 Guideline Percentage
Major Roads: Arterials / Collectors	30
Minor Roads: Locals	20
New Roads/Road Widenings	18.5
Bridge Rehabilitation	15
Storm Water Systems	5
Consulting	5
Traffic Signals	1
Miscellaneous	4
Cycling Infrastructure	1.5
Total	100



# Road Network

PCI (Pavement Condition Index):

- rating between 0 and 100
- measurement of cracking, rutting and roughness

Classification	Lane km	PCI (2014)	PCI Objective
Local	2191	51	60
Collector	625	51	70
Arterial	741	57	70
Total	3557		

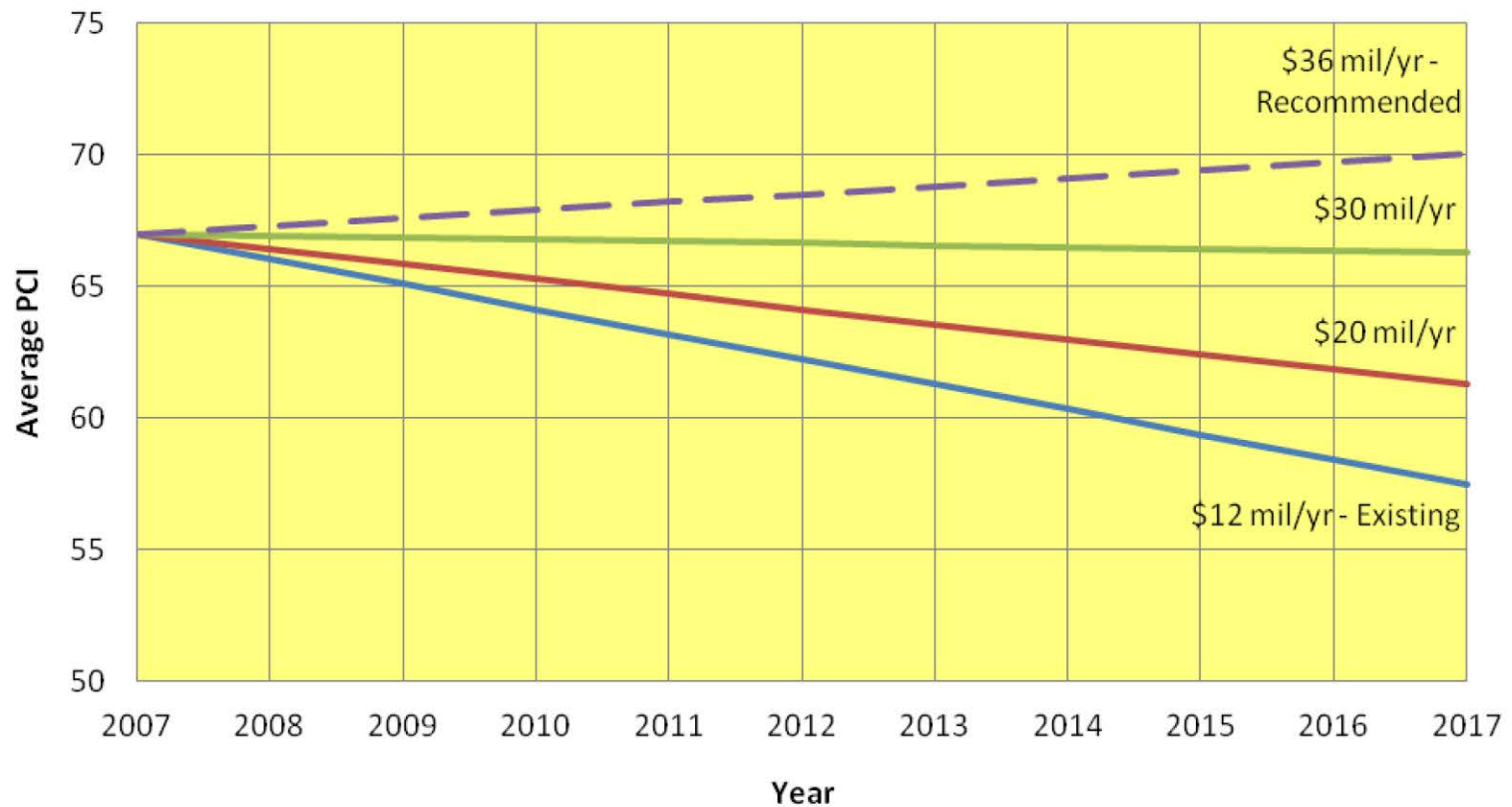
Average Resurfacing / Rehabilitation at current funding levels:

Arterial / Collectors 18 Lane km / year (1.3%)

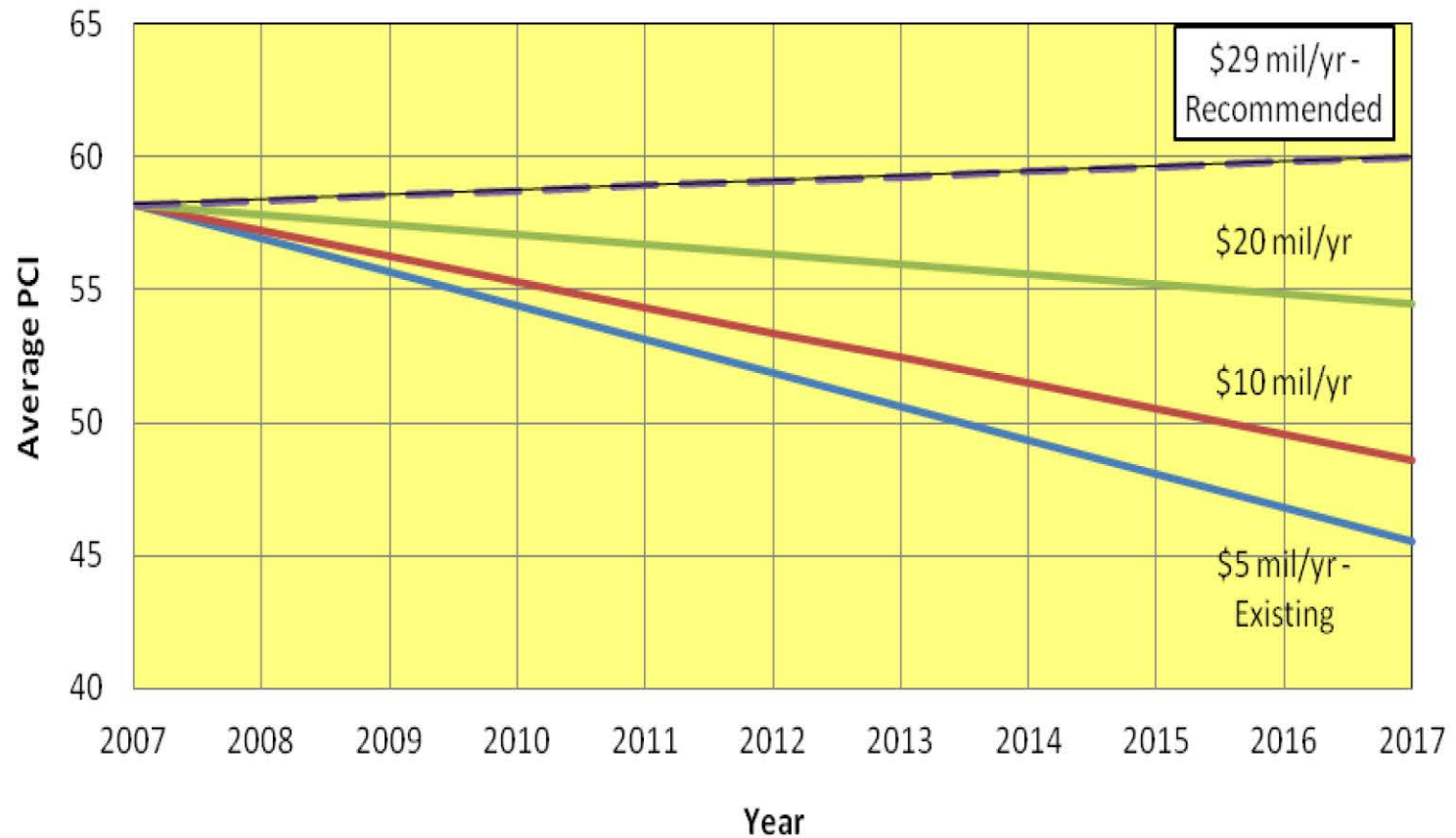
Locals 17 Lane km / year (0.8%)



## Average Network Condition - Arterial/Collector Roads



## Average Network Condition - Local Roads



# Roads Expansion Projects

Transportation Master Plan Recommendations:

- Road widening
- Intersection improvements & urbanization
- Cyclist / pedestrian facilities

Benefits include:

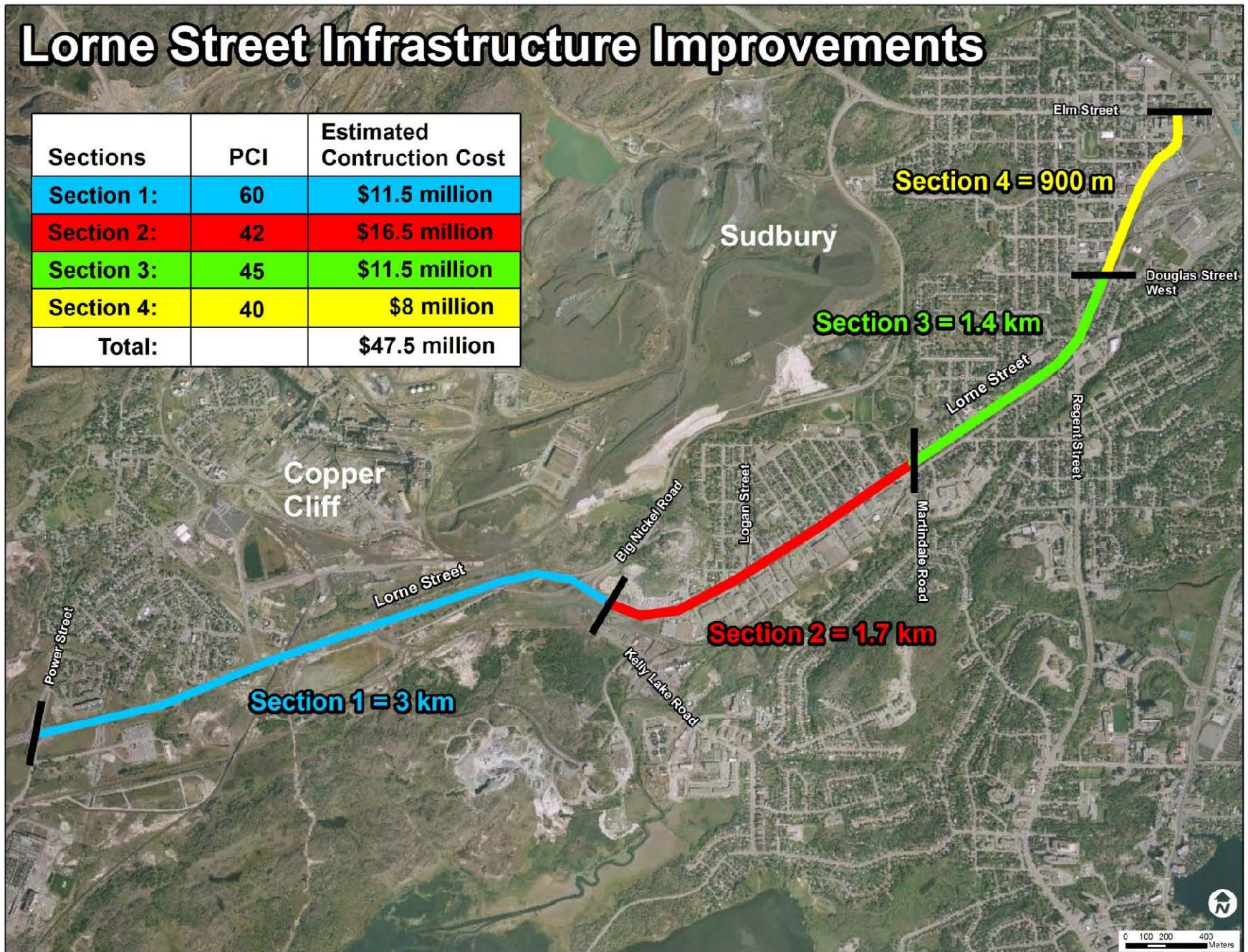
- Reduced traffic congestion
- Promote active transportation
- Provide opportunities for business





# Lorne Street Infrastructure Improvements

Sections	PCI	Estimated Construction Cost
Section 1:	60	\$11.5 million
Section 2:	42	\$16.5 million
Section 3:	45	\$11.5 million
Section 4:	40	\$8 million
Total:		\$47.5 million

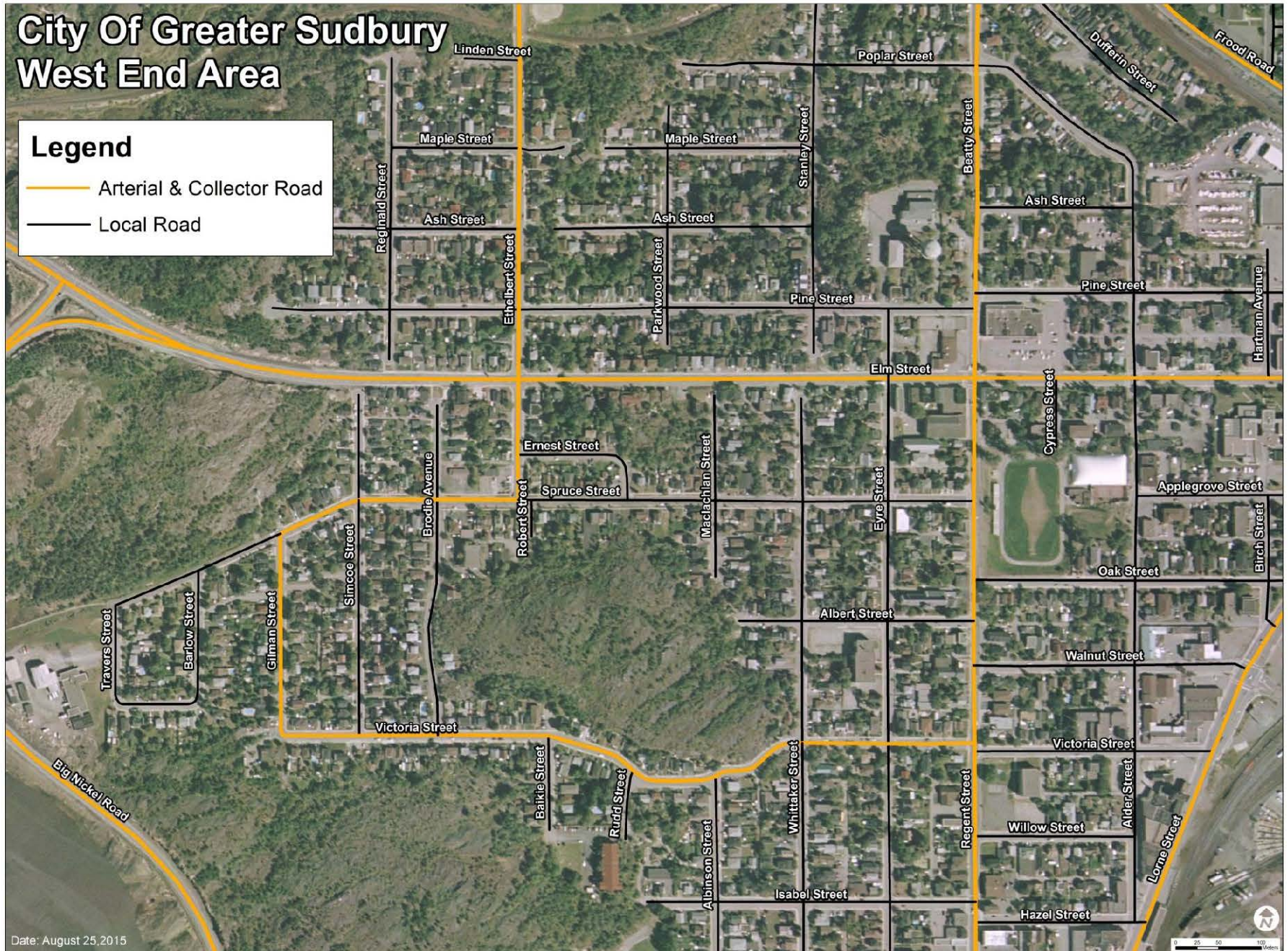




# City Of Greater Sudbury West End Area

## Legend

- Arterial & Collector Road
- Local Road



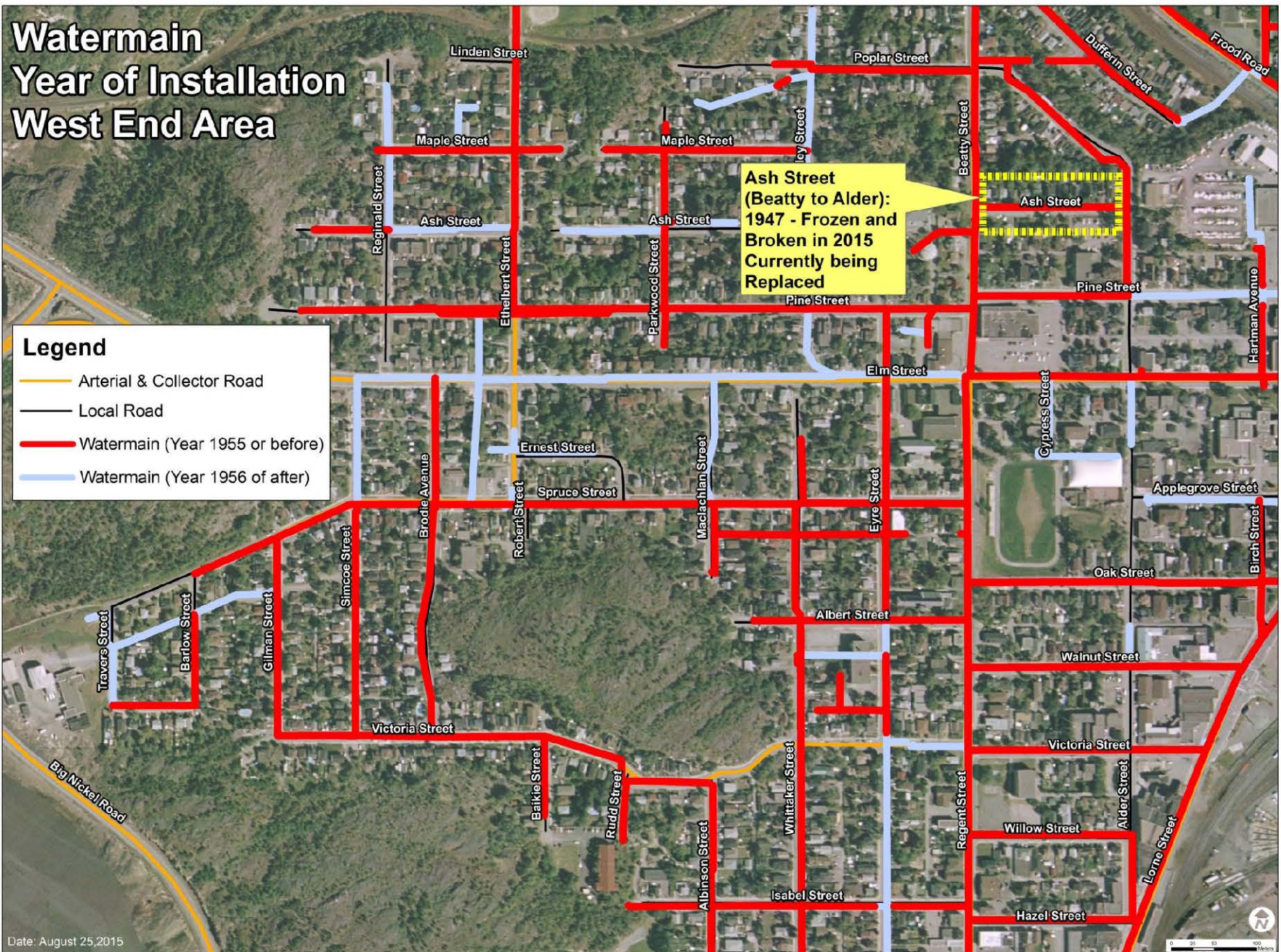


# Watermain Year of Installation West End Area

## Legend

- Arterial & Collector Road
- Local Road
- Watermain (Year 1955 or before)
- Watermain (Year 1956 or after)

Ash Street  
(Beatty to Alder):  
1947 - Frozen and  
Broken in 2015  
Currently being  
Replaced



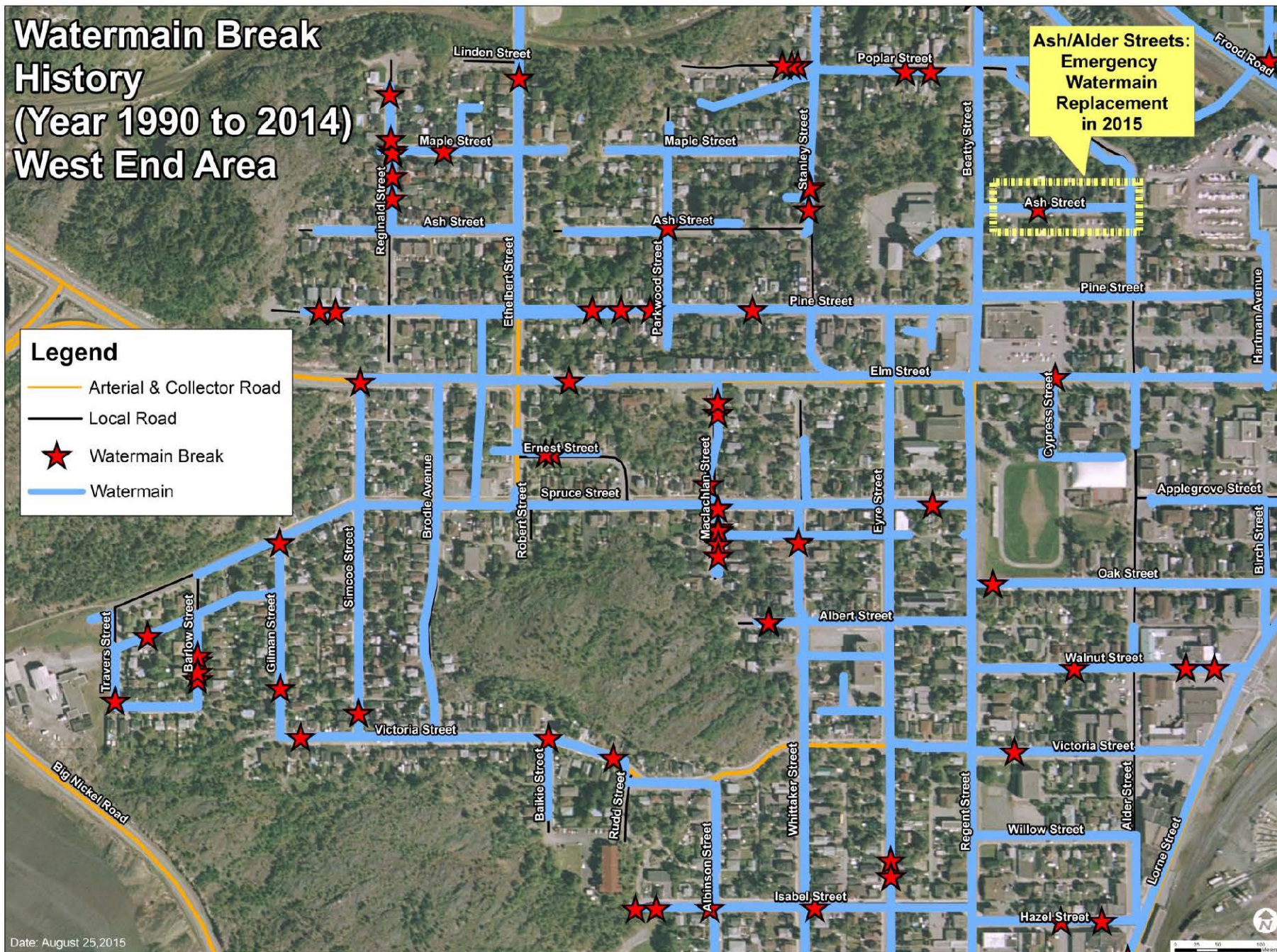


# Watermain Break History (Year 1990 to 2014) West End Area

## Legend

- Arterial & Collector Road
- Local Road
- Watermain Break
- Watermain

Ash/Alder Streets:  
Emergency Watermain  
Replacement  
in 2015



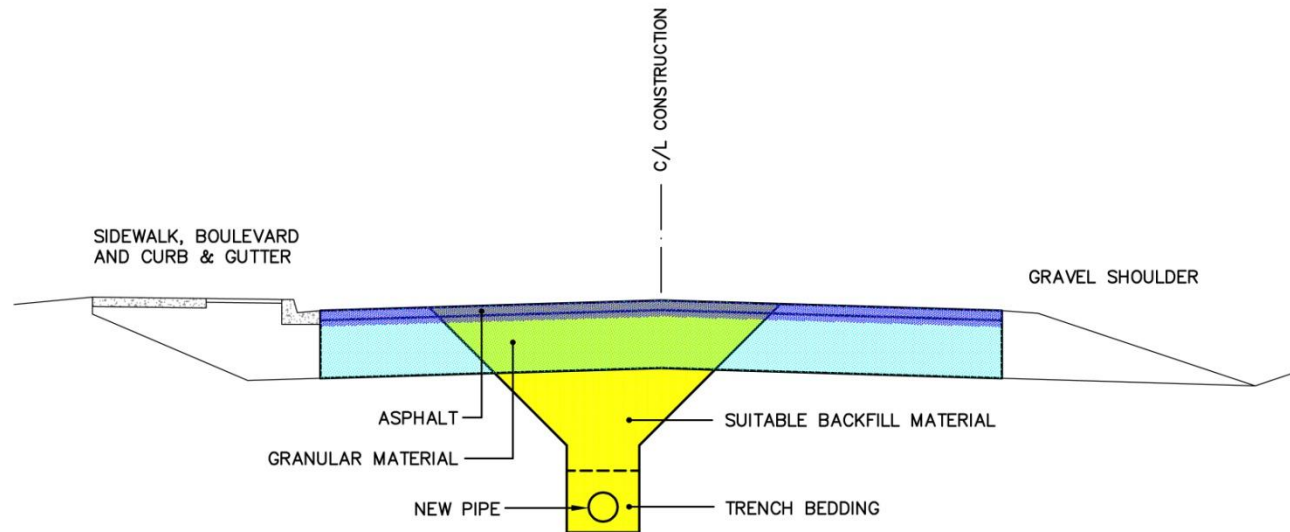





# Ash / Alder Street Emergency Watermain Replacement Project





# Capital Budget Coordination Roads & Water / Wastewater



- OPTION 1  REPLACE PIPE & RESTORE TRENCH ONLY
- OPTION 2  REPLACE PIPE & RESURFACE ROAD E/P TO E/P
- OPTION 3  REPLACE PIPE & RECONSTRUCT ROAD E/P TO E/P

# Watermain Replacement

- Total length of watermain in the CGS = 980km  
50% under arterials / collectors & 50% under locals
- Cost of replacement = \$160 Million  
watermains currently 60 years or older
- 2016 watermain funding required - roads  
priorities only = \$8.5 Million

**2016 capital watermain budget = \$5.8M**



# Summary

- ✓ Existing condition of infrastructure
- ✓ Current budget allocations & coordination
- ✓ Long term costs

## Next Steps:

- ✓ 2016 capital budget submission
- ✓ Strategies for future capital budget allocations

