

VanStat Update on Roads and Sidewalks

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The Road Network

- Our assets and their condition
- Trends and projections
- Challenges

The Sidewalk Network

- Our assets and their condition
- Trends and projections
- Challenges

How We Choose Our Projects

Examples of Coordinated Projects

Q&A

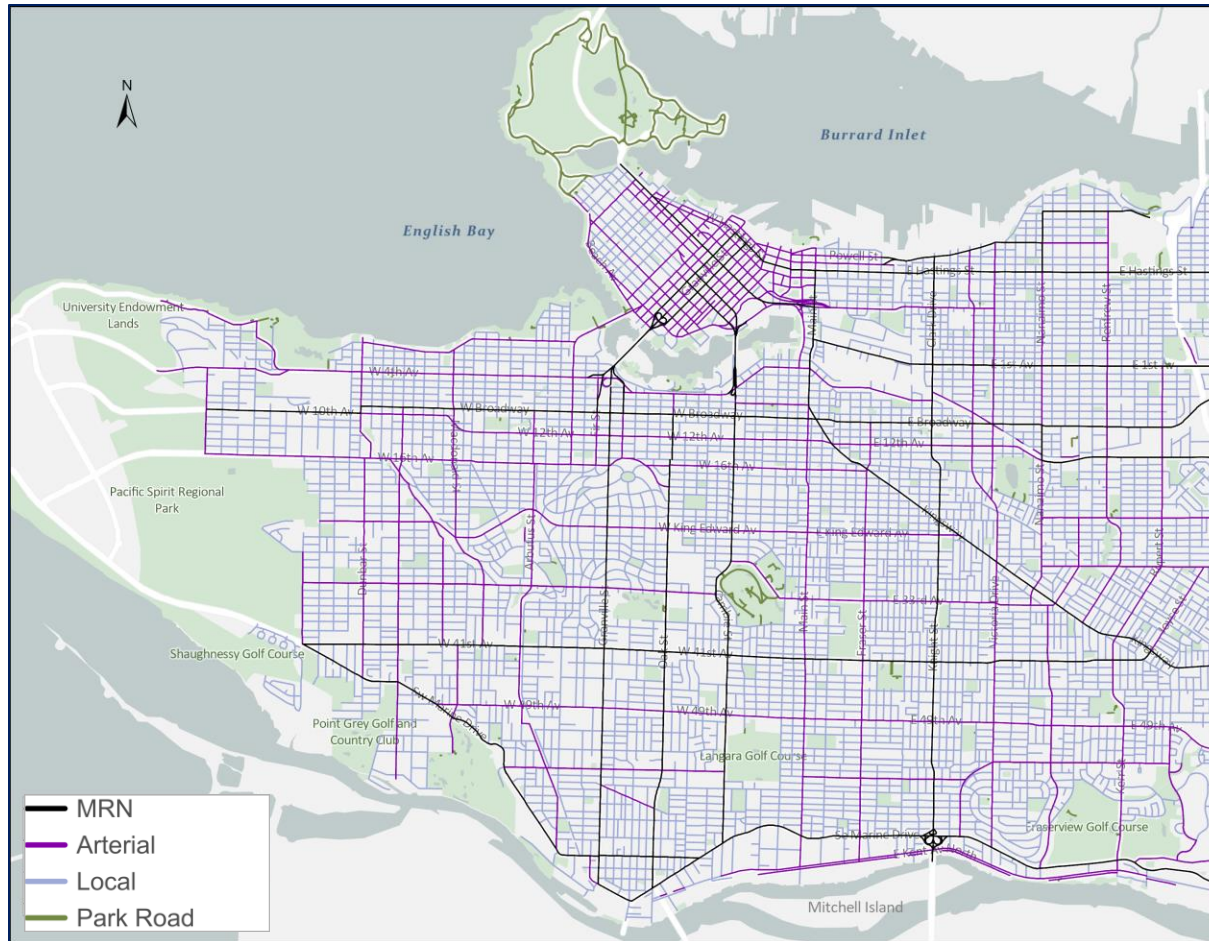
Roads

Road Inventory & Classification



Inventory
MRN - 121 km

Road Inventory & Classification



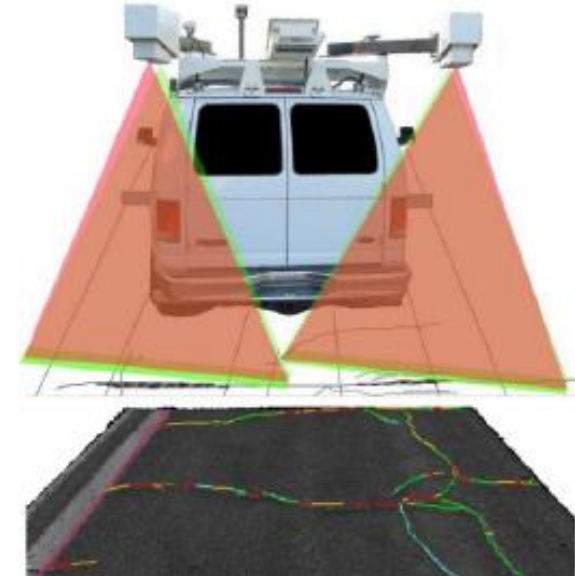
Inventory

MRN – 121 km

Arterial – 239 km

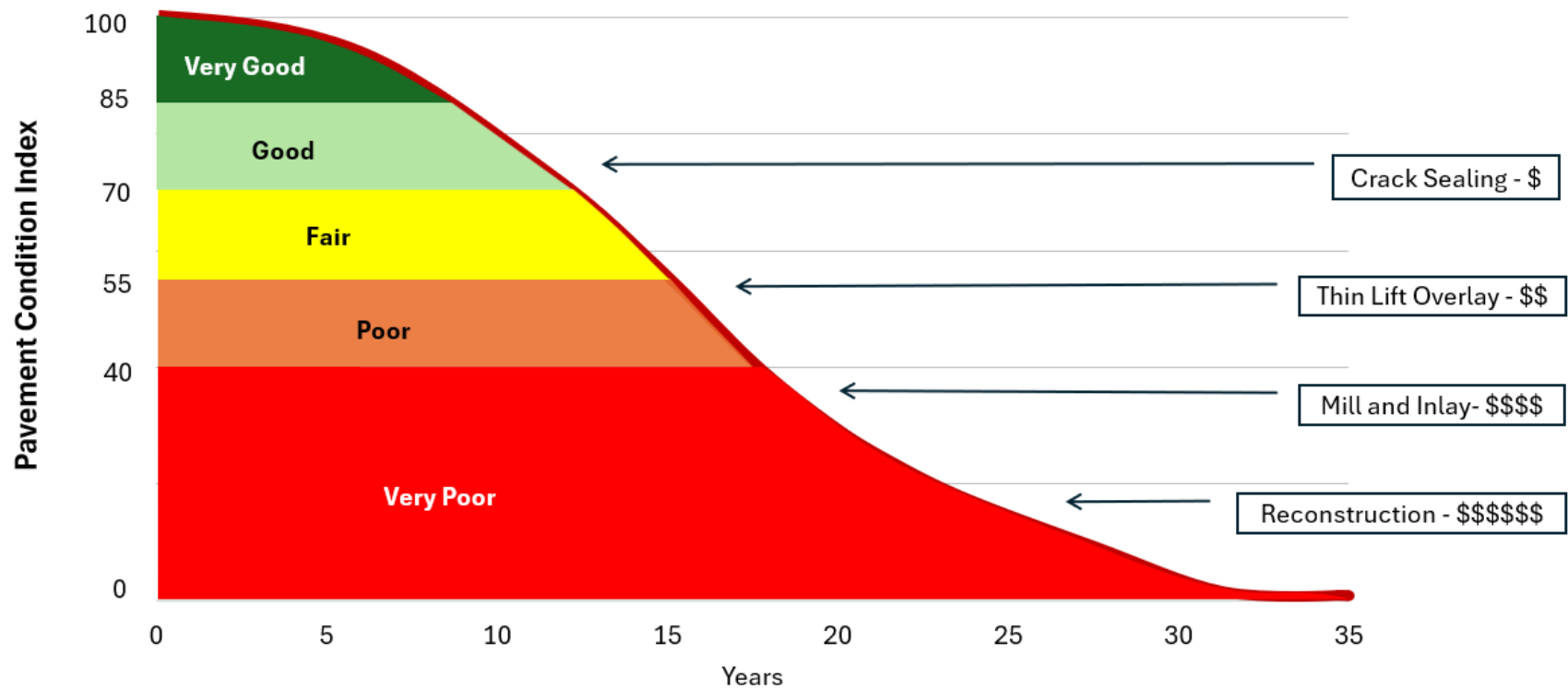
Local – 1054 km

- Pavement Condition Assessment
 - Citywide survey conducted every 3 to 4 years, last collection was 2023
 - Pavement distress, smoothness, strength, and layers thickness scanning
 - Pavement Condition Index (PCI) assigned to every block in the City
 - Pavement Management System



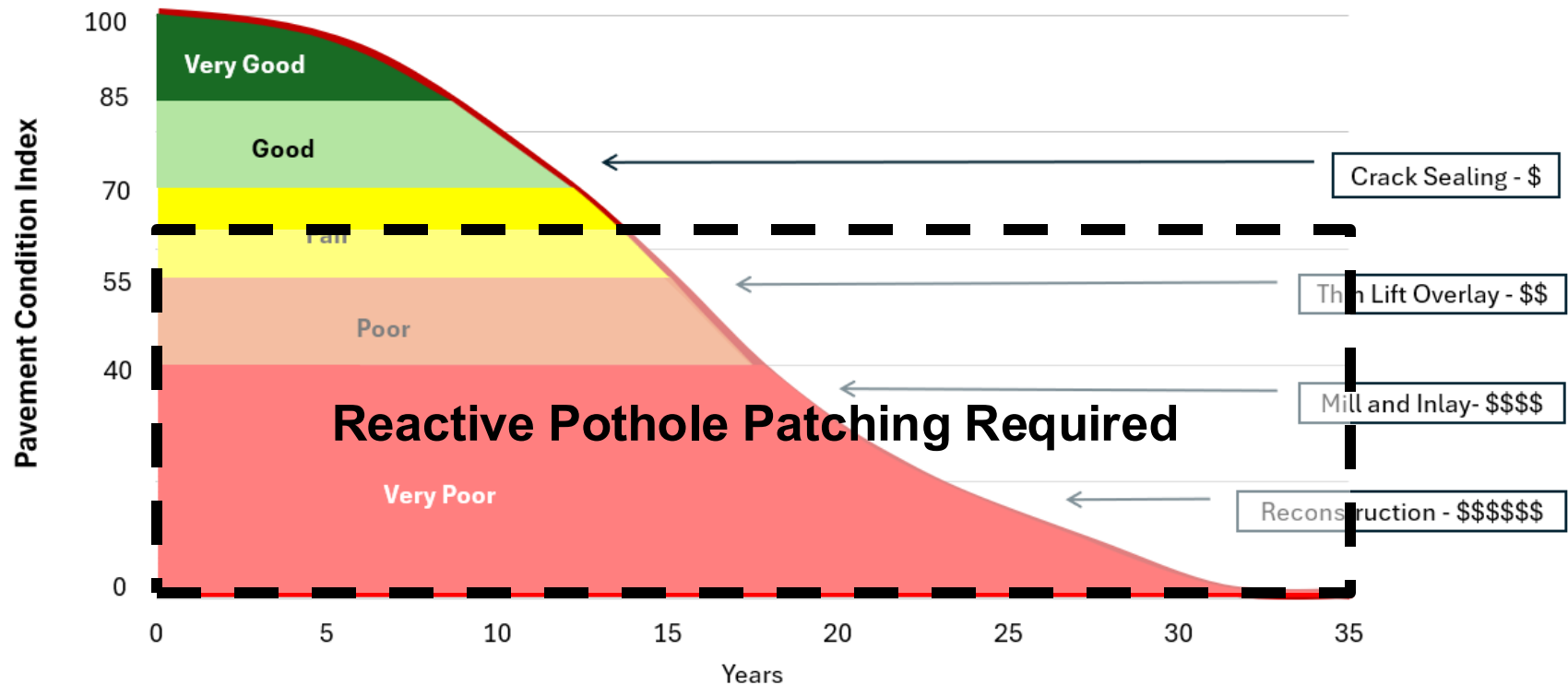
Spectrum of Road Renewal

Pavement Condition Index Over Time & Associated Maintenance Costs



Spectrum of Road Renewal

Pavement Condition Index Over Time & Associated Maintenance Costs



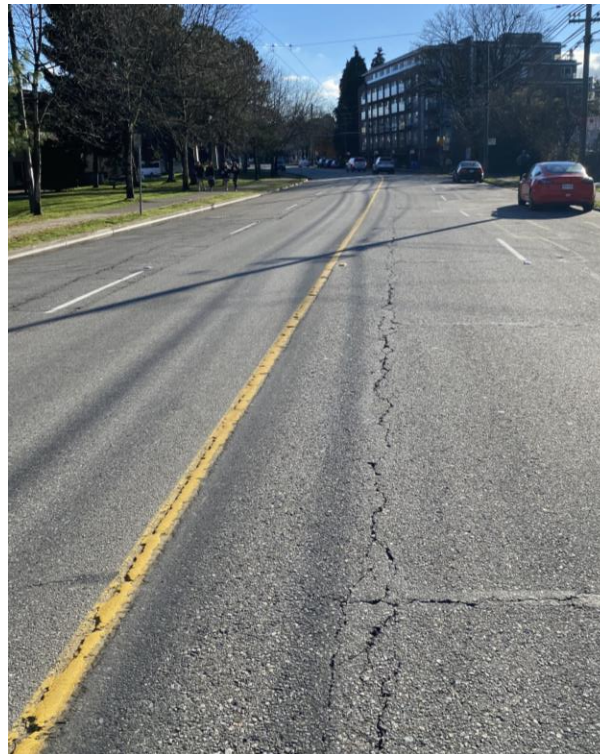
Road Condition

Very Good



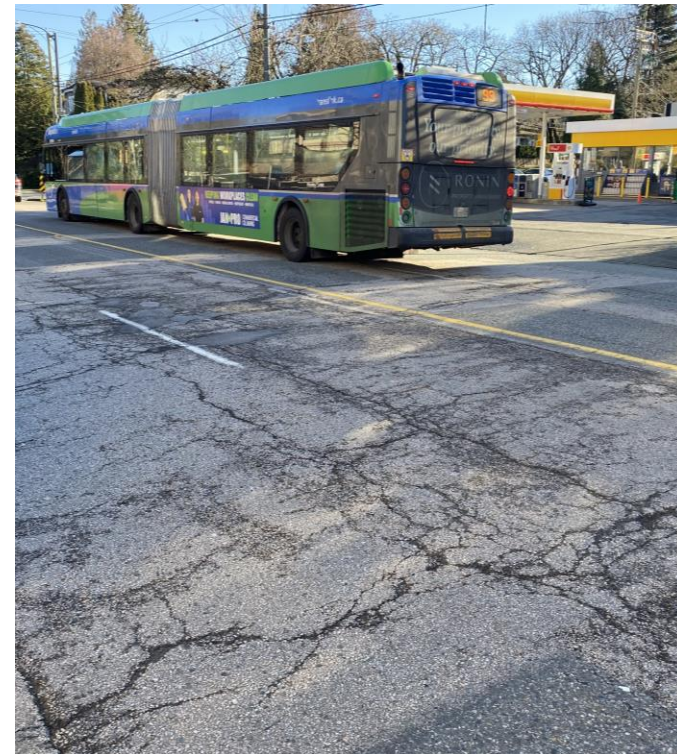
1300-1400 block of E Hastings St

Fair



3200 block of Commercial St

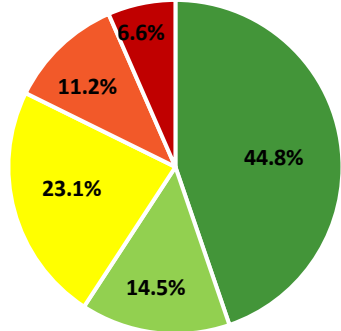
Very Poor



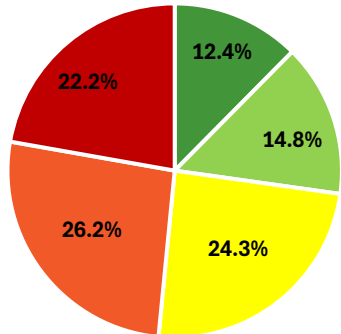
4300 block of W 10th Ave

Road Network Condition

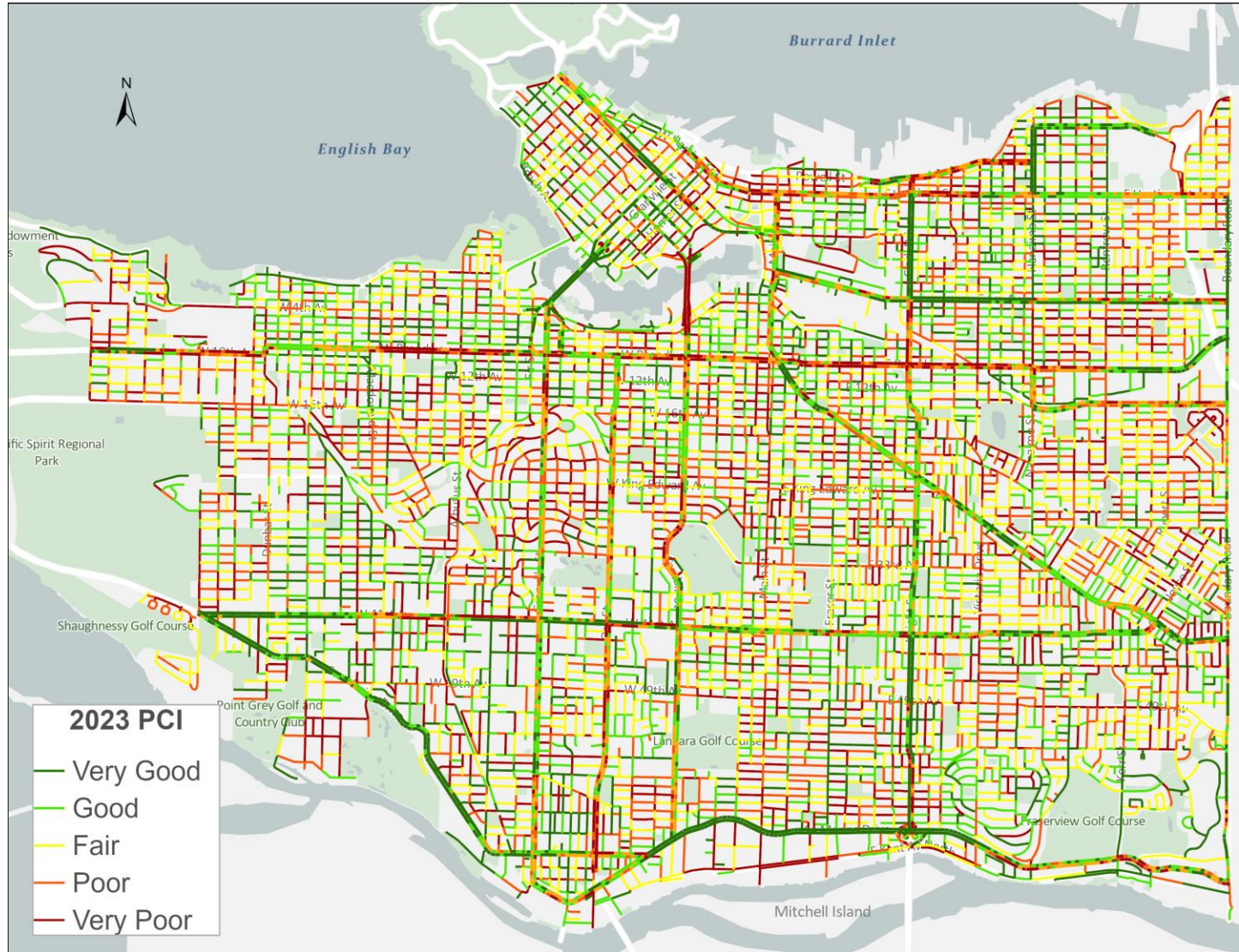
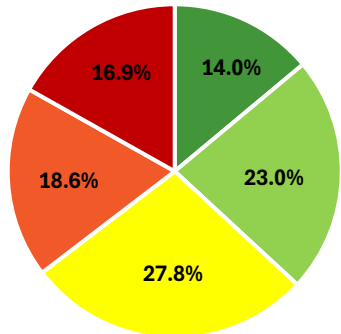
MRN (TransLink)



Arterials



Local



Roads Capital Budgets & Accomplishments

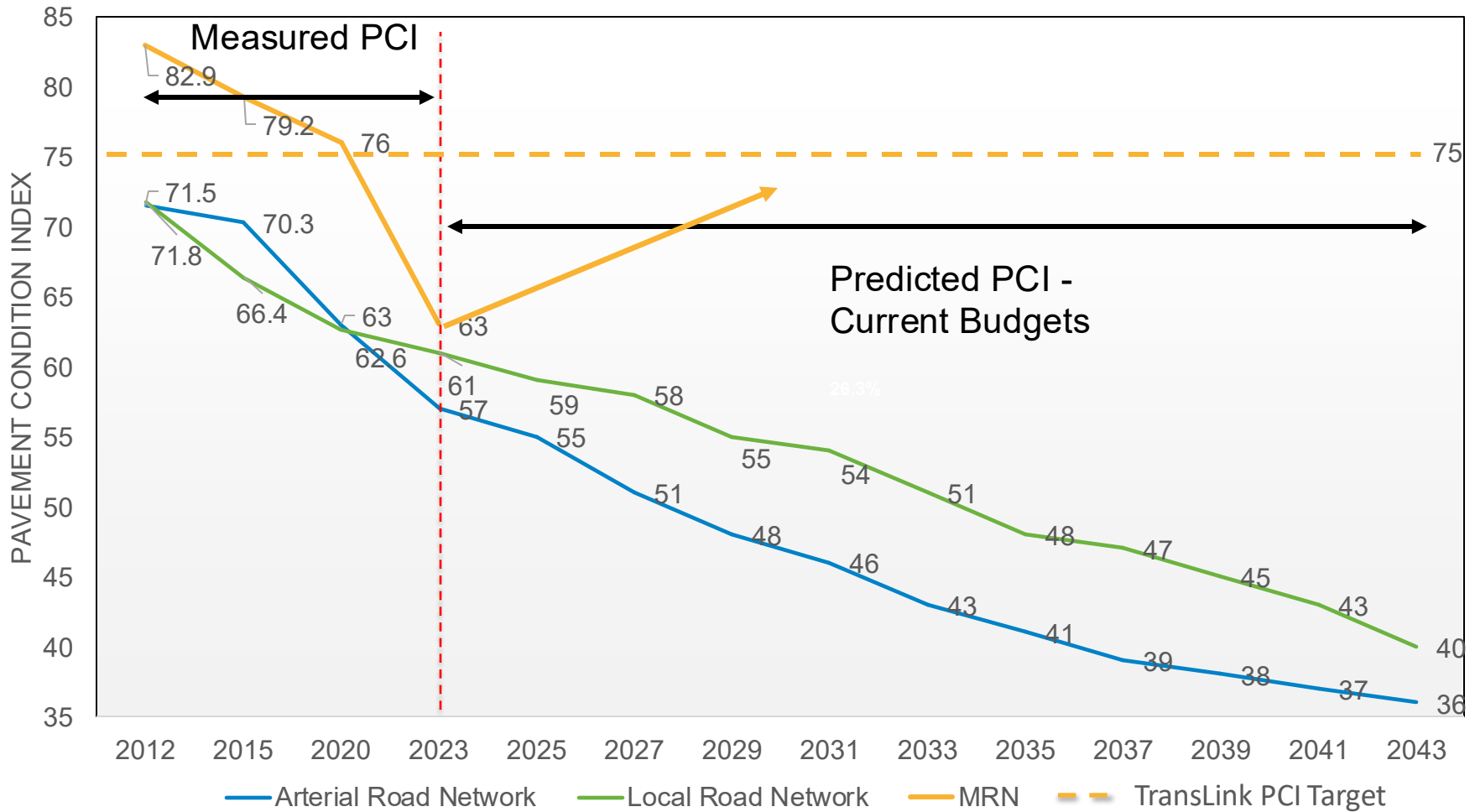
	2015-18 CP	2019-22 CP	2023-26 CP
MRN (121 km)	\$3.65M/yr	\$5.2M/yr*	\$6M/yr 2023-25 \$16M/yr 2026+
Arterials (239 km)	\$3.4M/yr	\$4.2M/yr	\$4.75M/yr
Local Roads (1054 km)	\$1.7M/yr	\$2M/yr	\$2.5M/yr

Annual Accomplishments

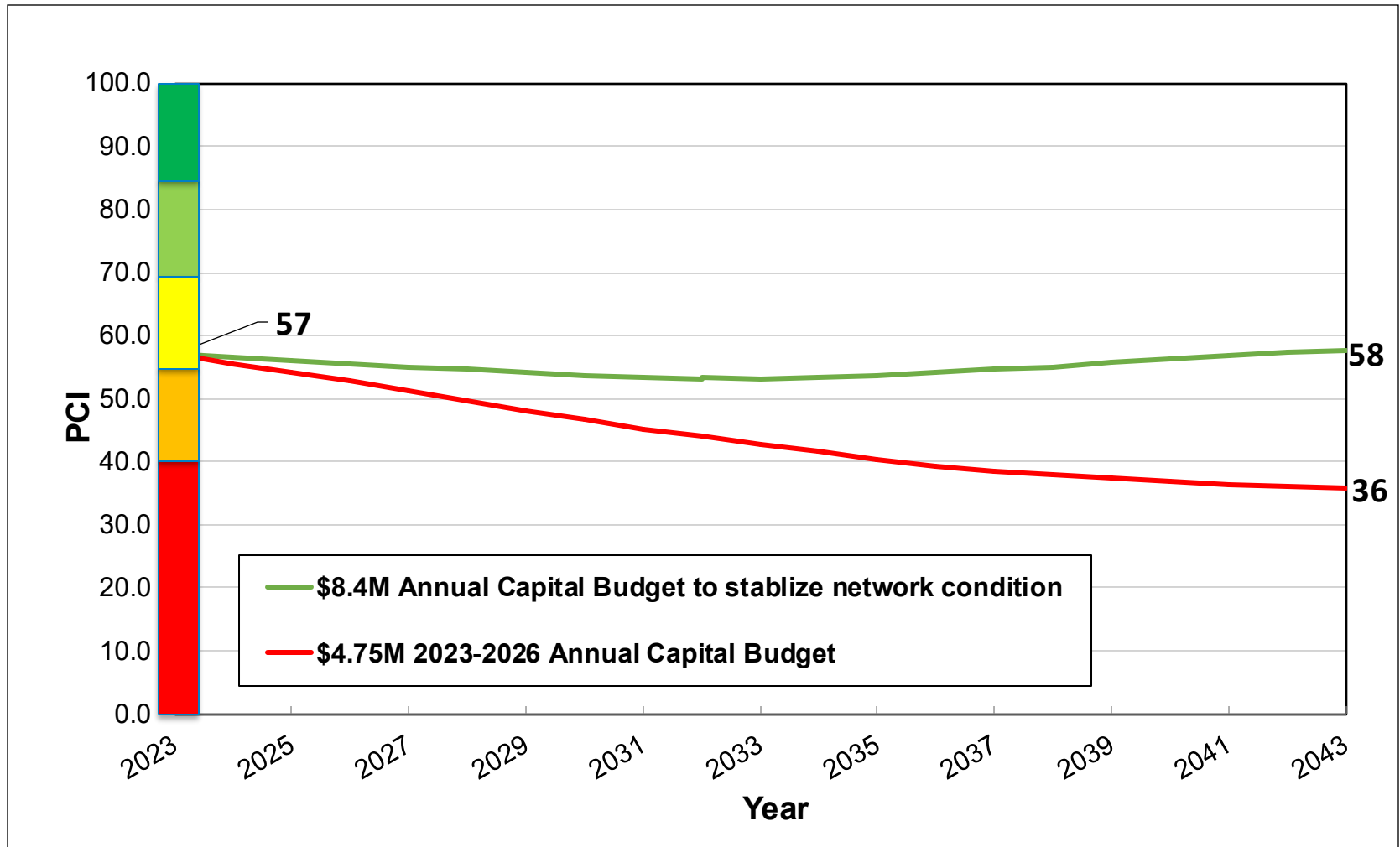
- 2.6 km of MRN (2% of Network)
- 2.2 km of Arterials (1% of network)
- 6.0 km of Local Roads (0.5% of network)

Long-Term Trend

Average Pavement Condition Index (PCI)

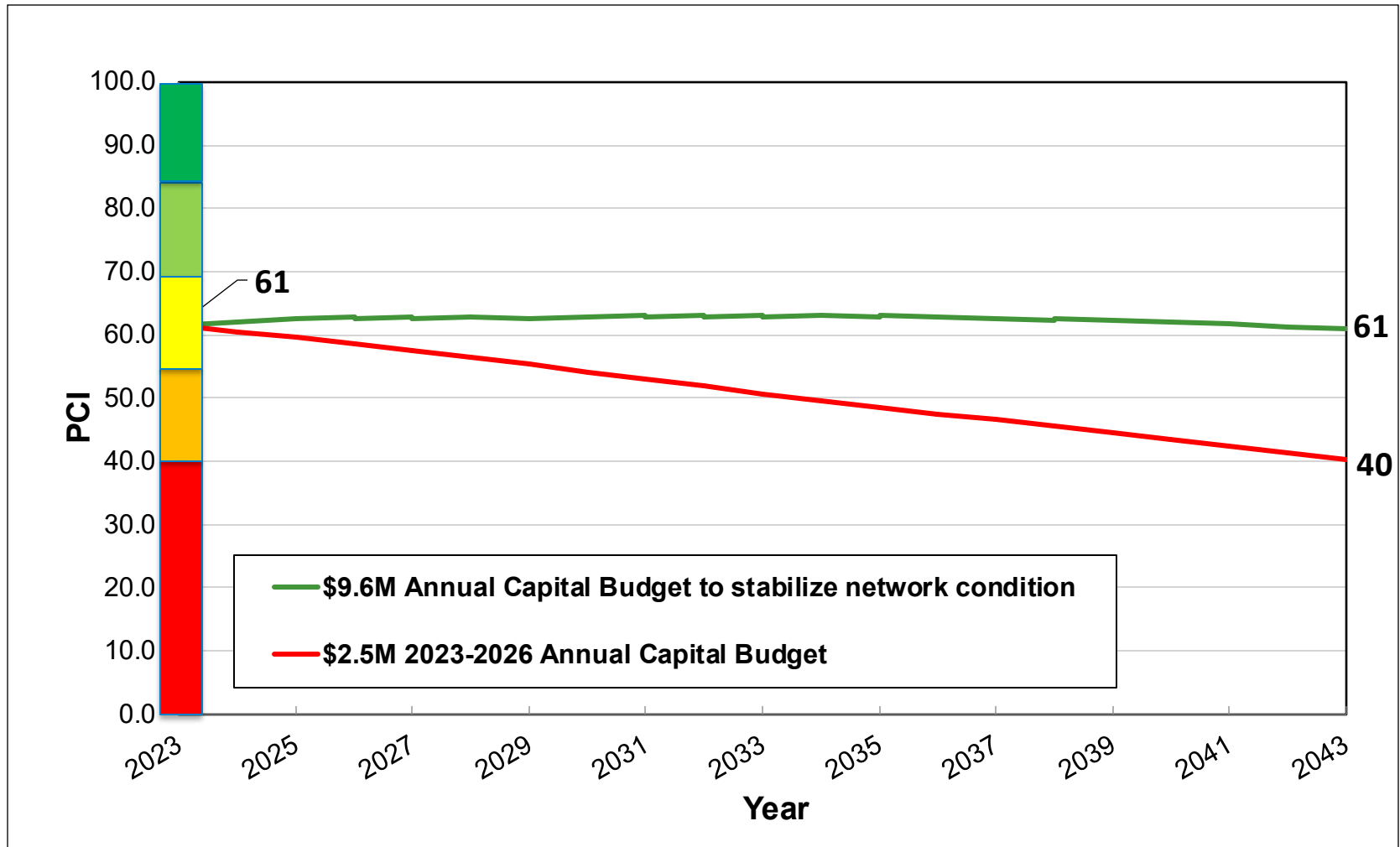


Budget & Network Condition Comparison - Arterial Roads



Note: Capital funding and results were based on 2023 dollars.

Budget & Network Condition Comparison - Local Roads



Note: Capital funding and results were based on 2023 dollars.

Road Challenges

Road Challenges

- Heavy vehicles
- Specialty materials
- Peat areas
- Utility cuts & development
- Unimproved streets
- Winter (freeze/thaw)



E 57th Ave (Main to Prince Edward)

Heavy Vehicles (Trucks & Buses)



Heavy truck on Dundas St



Articulated bus at Broadway & Kingsway



W 49th Ave at Manitoba St, looking west

Specialty Materials



Brick pavers in Gastown

*Granite pavers on Frances St
(Clark to Vernon)*



Peat Areas



E 16th Ave at Prince Edward



Carolina St (16th to 17th Ave)

Utility Cuts & Development



Gastown - Richards & Cordova intersection



E 54th Ave (Wales to Vivian)

Unimproved Streets



E 62nd Ave (Argyle to Borden)

Winter (Freeze/Thaw)



*Example of freeze/thaw damage to road
Hudson St (W 57th to W 58th Ave)*

City of Vancouver plow on snowy road



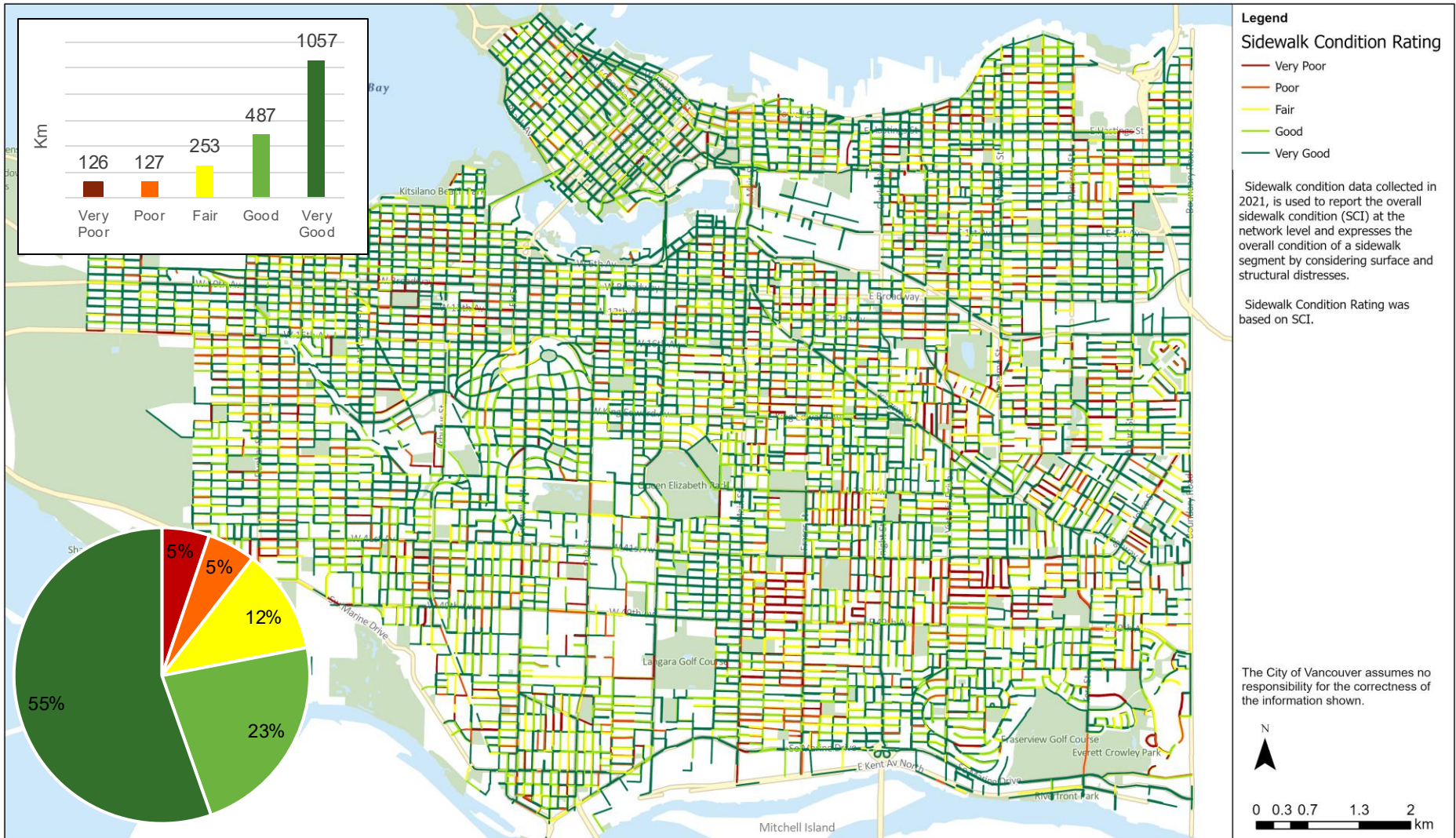
Sidewalks

- **Network:** 2,200 km
- Detailed sidewalk condition survey (2021)
- Annual trip hazard inspections



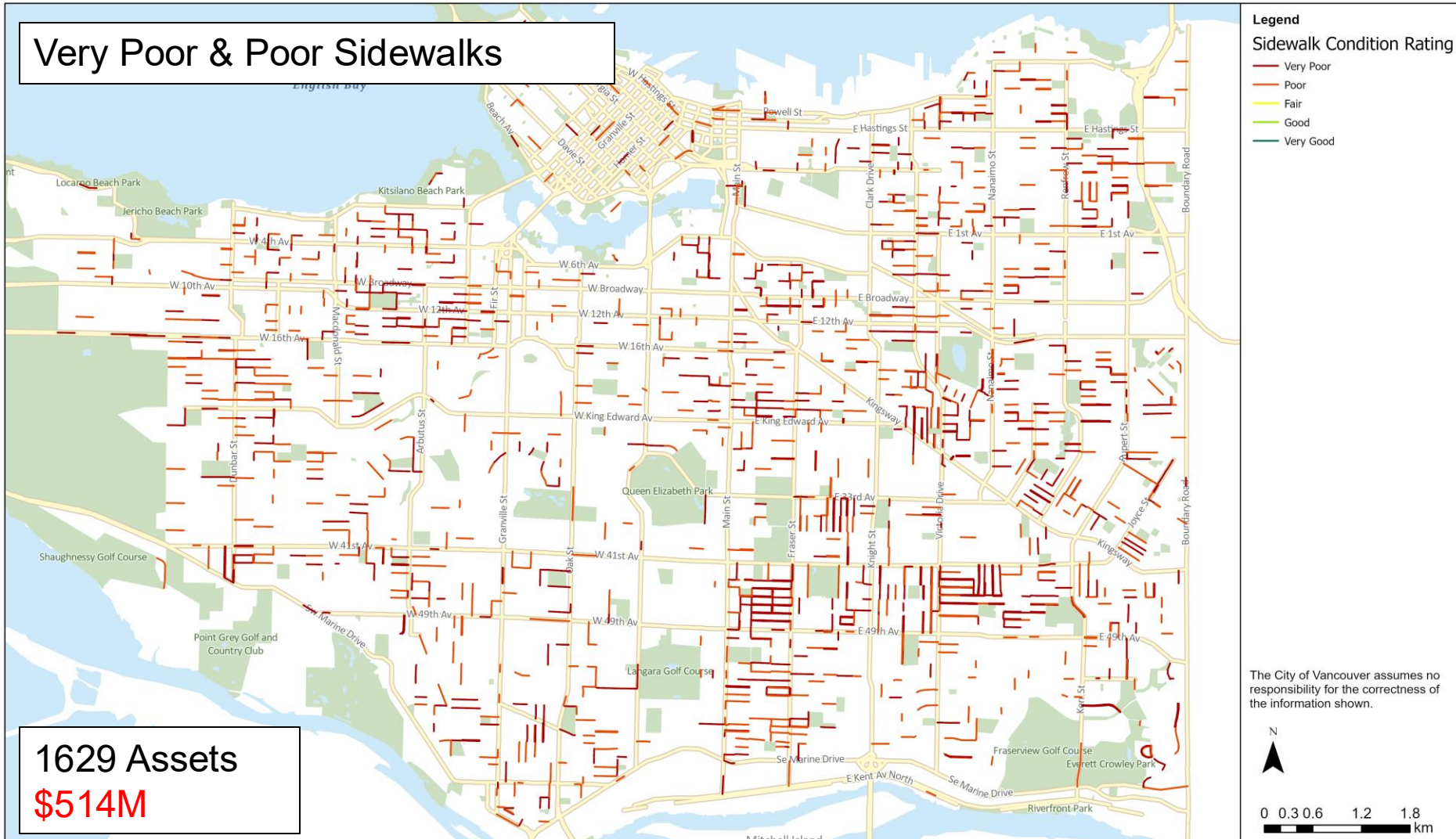
W 27th Ave (at Dunbar St) - south side

Sidewalk Network Condition



Current Sidewalk Backlog

Very Poor & Poor Sidewalks



- Legend**
- Sidewalk Condition Rating**
- Very Poor
 - Poor
 - Fair
 - Good
 - Very Good

1629 Assets
\$514M

The City of Vancouver assumes no responsibility for the correctness of the information shown.



0 0.3 0.6 1.2 1.8 km

Rev #: 0	Revision: Map created
Rev #:	Revision:
Project: Sidewalk Condition Assessment Program	
Date: Feb 27, 2024	Prepared by: NM
Approved by: SD	

Sidewalk Capital Budget & Accomplishments



	2015-18 CP	2019-22 CP	2023-26 CP
Sidewalks (2200 km)	\$0.925M/yr	\$1.0M/yr	\$1.25M/yr

Annual Accomplishments

- 1.4 km of sidewalk (0.06% of network)
- 400+ year backlog

- **Tree heaves**
- Peat areas
- Utility cuts
- Speciality materials
- Growing backlog of deferred maintenance

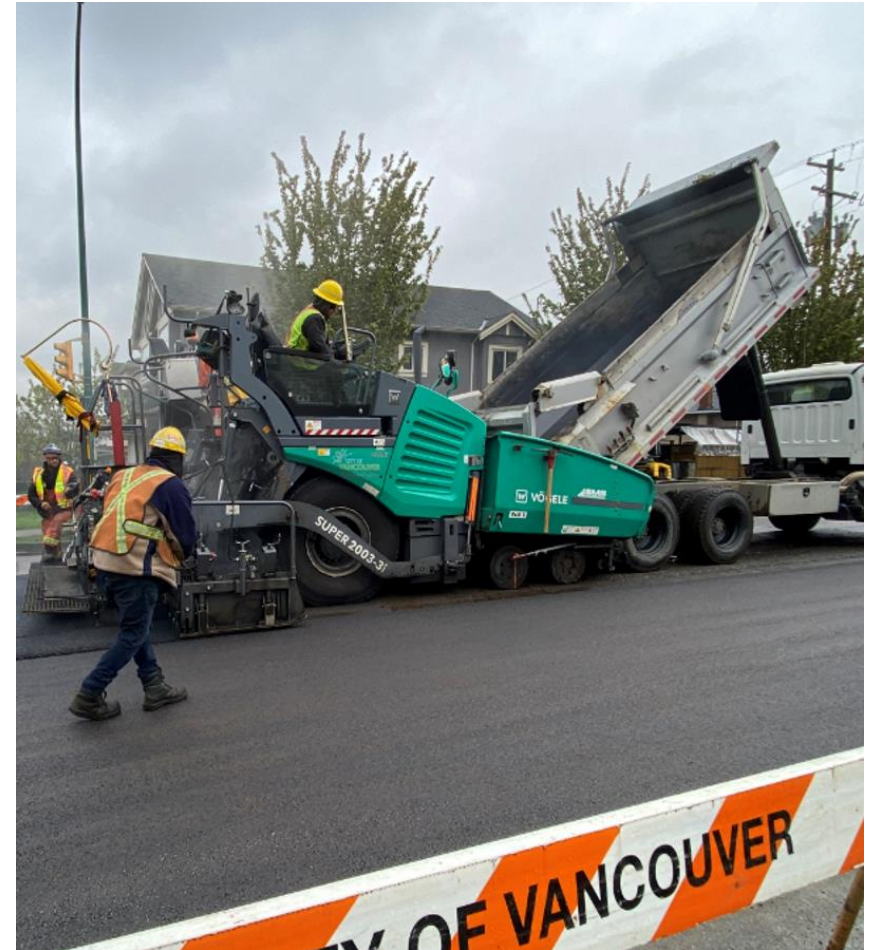


*2600 Vine St - west side
(adjacent to Connaught Park)*

How We Choose Our Projects

How We Choose Our Projects

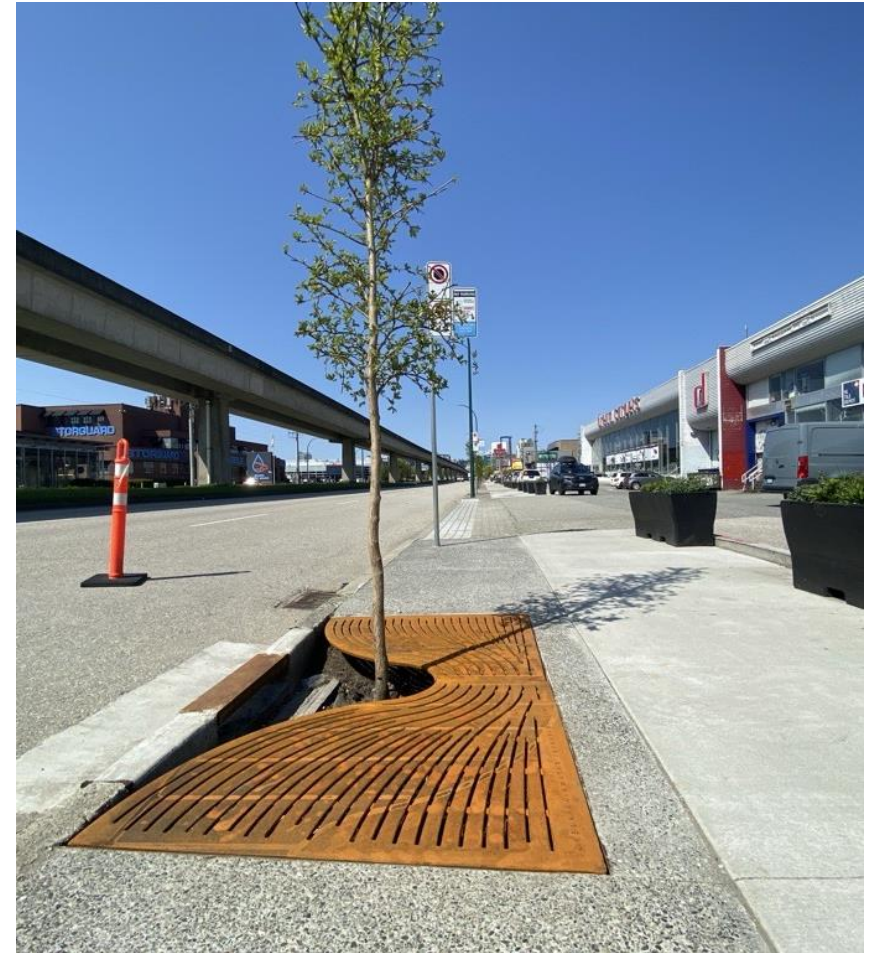
- Asset condition
- Serving as many users as possible with limited resources
- 6,000 road service requests / yr
- 1,900 sidewalk service requests / yr



E 57th Ave at Main St

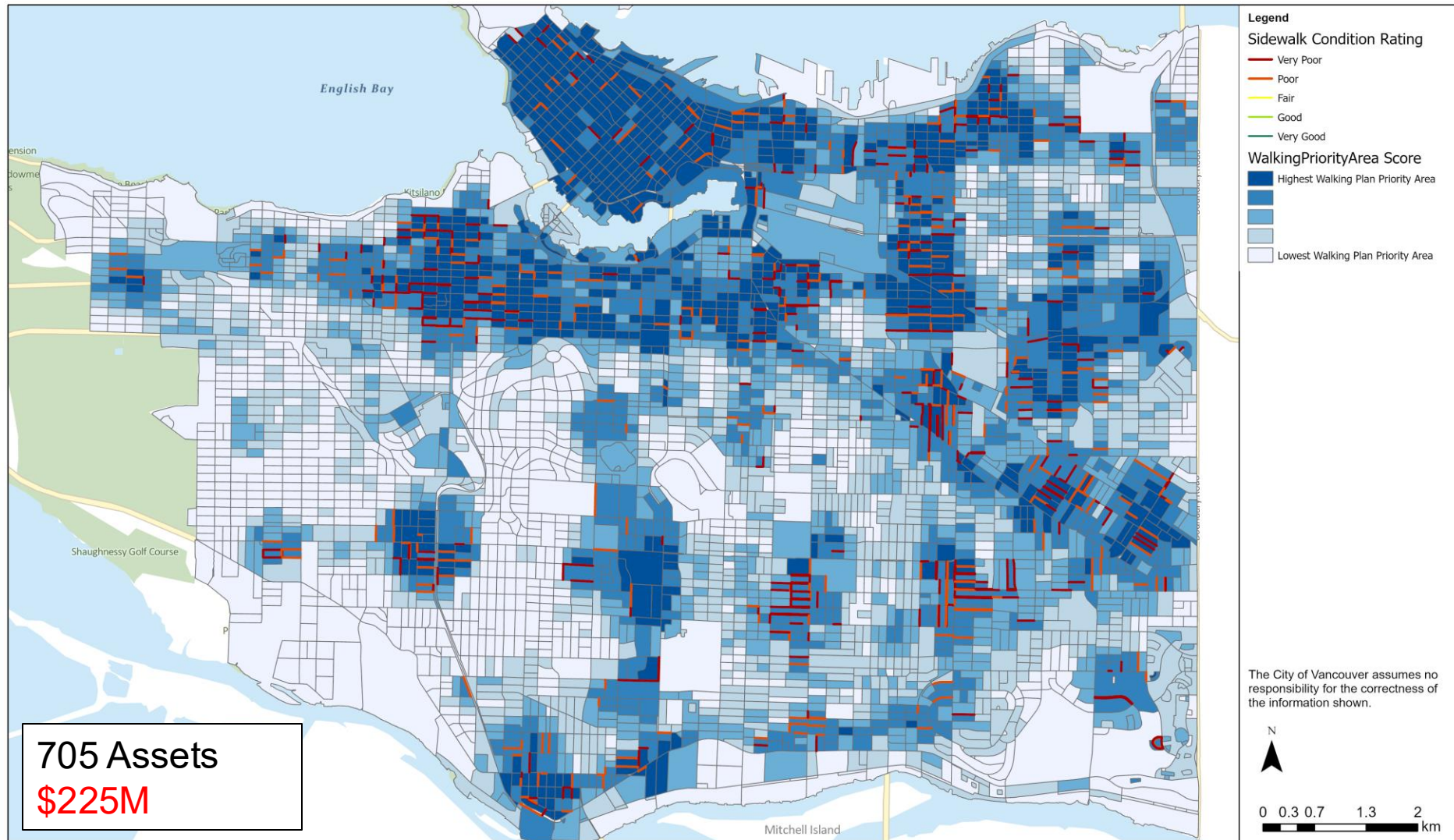
How We Choose Our Projects

- High ROI Projects with limited resources
- Coordinate projects with partners where possible
 - Transportation
 - Parks (Urban Forestry)
 - City Utilities, Third Party Utilities
 - Development
 - TransLink
- Leverage internal construction crews and the City's asphalt plant



Terminal Ave - new tree pits, renewed sidewalk & GRI - 2024

How We Choose Our Projects



705 Assets
\$225M

Examples of Coordinated Projects



*West King Edward renewal
(Arbutus to Dunbar) - 2025*

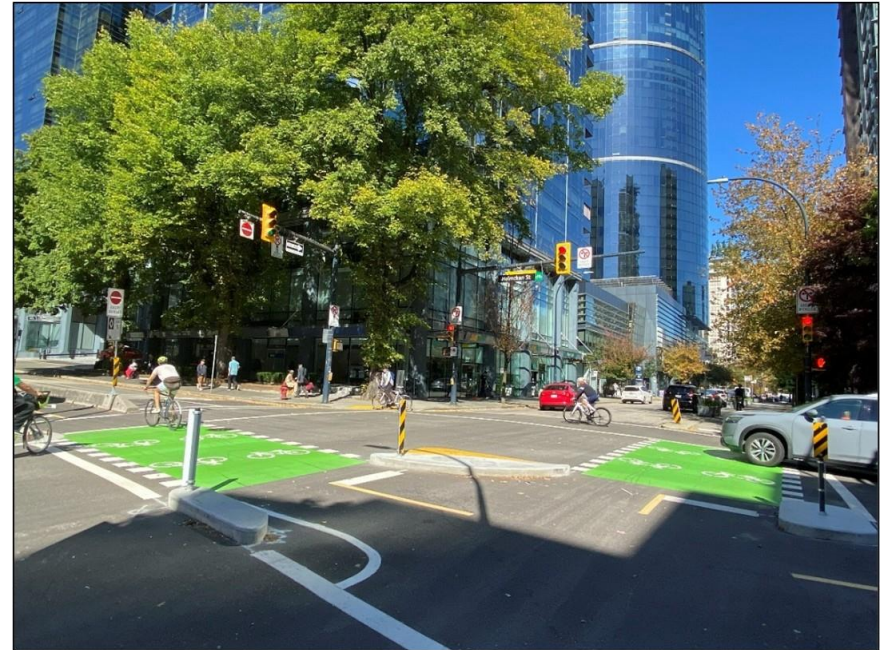
*Partners: Streets, Sewer, Water, Transportation, &
Green Rainwater Infrastructure*

Examples of Coordinated Projects

Helmcken St (Granville to Hornby)



Before



After - 2025

Partners: Streets, Transportation, City and Third-Party Utility Cut Repair

Examples of Coordinated Projects

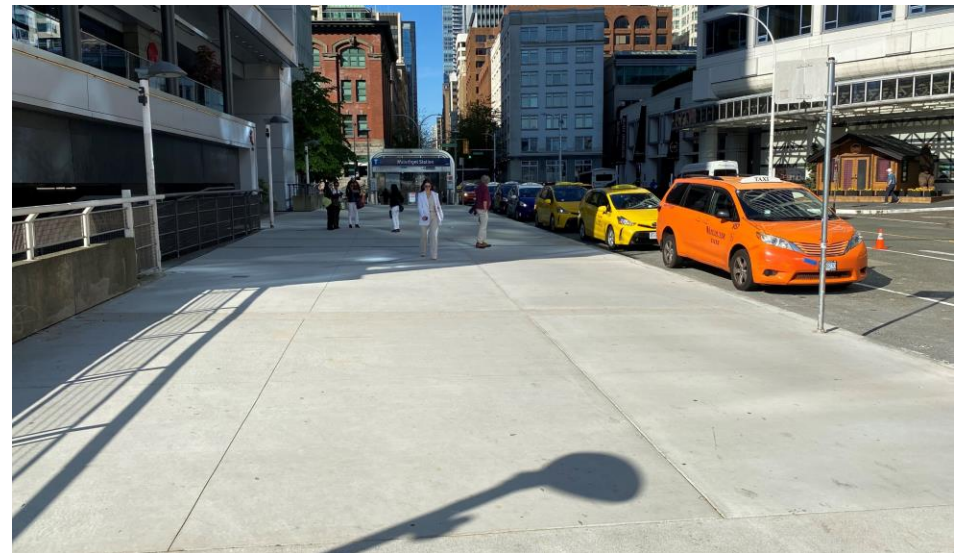


*Canada Place
(Howe St, W Cordova to Canada
Pl) sidewalk renewal - 2024*

Before

After

*Stakeholders: Destination Vancouver,
Port of Vancouver, DV BIA & Gastown
GBIS, TransLink, Cadillac Fairview*



Examples of Coordinated Projects



*Route 23 Bus Conversion
Partnership with TransLink - 2025*

*Bidwell St (Davie to Beach)
& Pacific St (Thurlow to Jervis)*

*Partners: Streets, Transportation, TransLink,
Urban Forestry*

Q&A