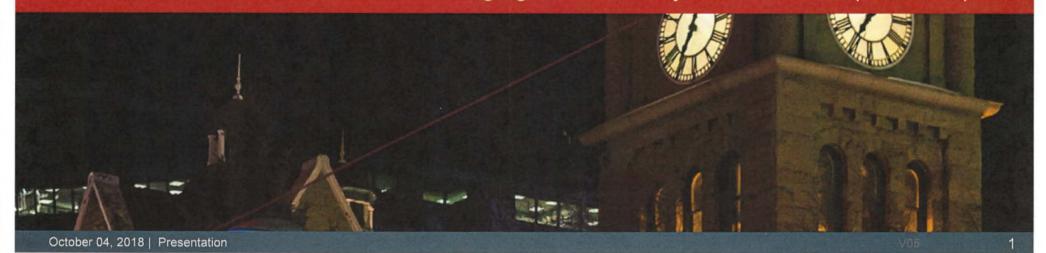


Green Line Update TT2018-1089 October 04, 2018

Paul Giannelia, Managing Director, Project Green Line (PGL.LRT)





PGL.LRT @success

CITY OF CALGARY RECEIVED IN COUNCIL CHAMBER OCT 04 2018 ITEM: 7.3 TT2018-1089

One Objective:

Earliest Completion!



One Goal:

Certainty!

- Date Certain
- Cost Certain
- Quality Certain
- Safety Certain
- Community Satisfaction

Execution Success: Lowest Cost + Safest Job + Highest Quality!

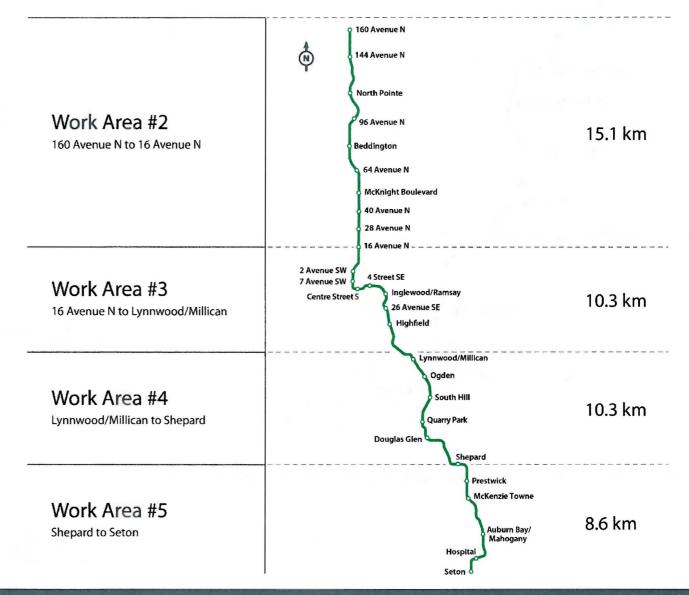


Work Area #1

Entire Alignment

44.2 km

The Green Line LRT





Stage 1

Work Area #3

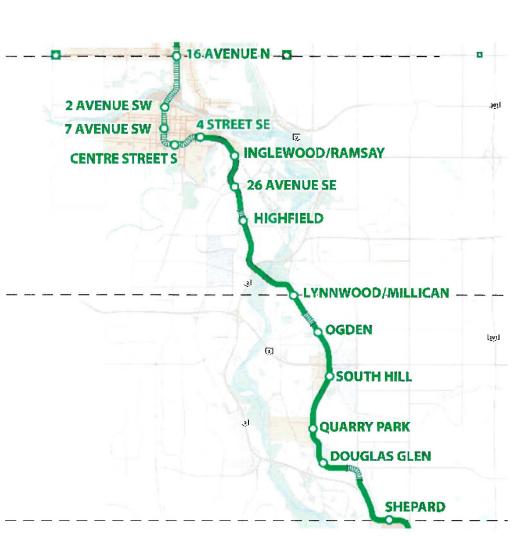
16 Avenue N to Lynnwood/Millican

10.3 km

Work Area #4

Lynnwood/Millican to Shepard

10.3 km





Constructability Review Update

We are working towards a Stage 1 design that

- Will meet Council objectives within affordability limits
- Prioritizes the safest work methods

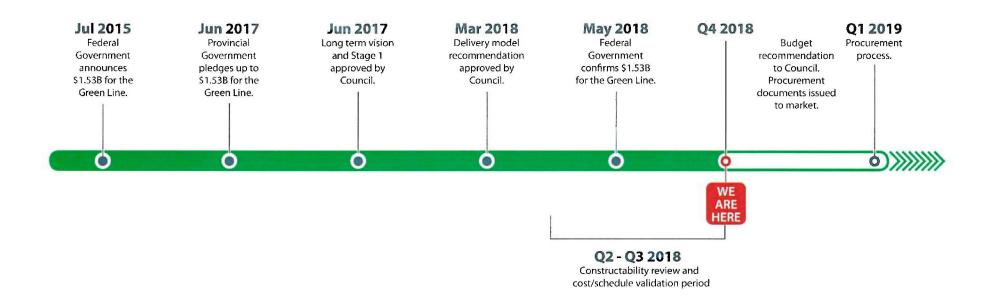
Three key workstreams

- Design
- Cost Estimate
- Inflight/ Enabling Works

Constructability review and related value engineering exercise are substantially complete



Where we are & where we're going





Enabling Works Update*

- Land acquisition
- Clearing right of way
 - Relocation of existing landfills
 - Utility relocations
 - Demolition of buildings

*See Report, Attachment 1 for detail



Funding – Green Line Project



2018 April, the Government of Canada provided final approval for \$1.53 billion funding for Stage 1



2017 June, The Government of Alberta pledged up to \$1.53 billion over 8 years for Stage 1



2015 December, The City of Calgary committed\$1.56 billion for the Green Line Program with \$52 million / year over the next 30 years

- The provincial government is negotiating the Ultimate Recipient Agreement (URA) with The City, on behalf of the provincial and federal governments
- The URA is expected to be finalized in Q4 2018



Financial Update

Funding Status – October 4, 2018			
	Funds	Description	Funding status
1	\$360.6 million	Enabling Works and Right of way preparation	Approved and Funded
2	\$4.65 billion	Stage 1 Project	Pending final Agreement (URA) and Council approval
3	\$23.7 million/year until 2044	Green Line debt servicing	Approved and Funded
4	\$40 million/year (2016-dollars)	Net operating costs	Not yet Approved or Funded



Procurement Strategy

Procurement Strategy

- Work in progress target completion before end of Q4 2018
- Objective best value for The City of Calgary

Procurement Activities Currently Underway

- Development of light rail vehicle specifications
- Development of Stage 1 technical requirements



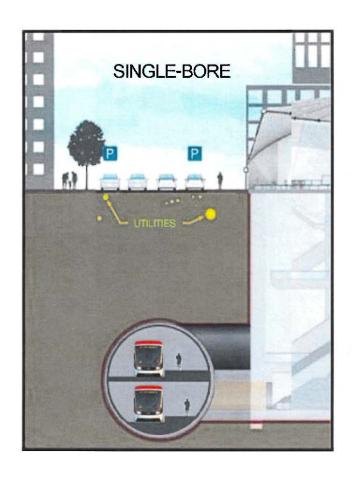


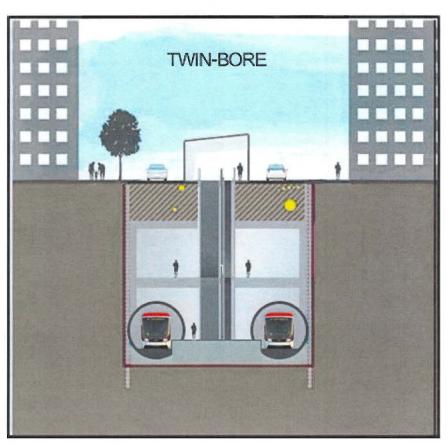
Tunnel Boring Machine (TBM)





Tunnels - single vs. twin bore







City Shaping & Transit Oriented Development (TOD)

- Administration is committed to delivering City Shaping & TOD within the larger Green Line project
- Community Services and Planning & Development continue to develop strategies respectively; staff is embedded in Green Line functional teams to ensure that City Shaping & TOD requirements are in the RFP documents
- SPC Updates
 - 2018 Q4 Community & Protective Services City Shaping
 - 2019 Q1 Planning & Urban Development TOD



- World class transit system designed for maximum user friendliness
- Most user friendly during construction and operations
 - Least impact during construction
 - Keep doors of businesses open during construction
 - Easiest and friendliest access to the train during operations
- Transit Oriented Development & City Shaping integrated into execution plan



Next Steps

- Complete detailed Project Execution Plan
- Finalize Procurement Strategy
- Complete Stage 1 design
- Issue Stage 1 Procurement Documents