



History of LRT in Calgary

- New LRT lines have started in the downtown and built in stages
- Since 1978 Calgary has been building LRT
- 9 expansions between 1987 – 2015
- Serves over 285,000 daily passengers
- Most successful LRT system in North America
- 59km and 45 Stations

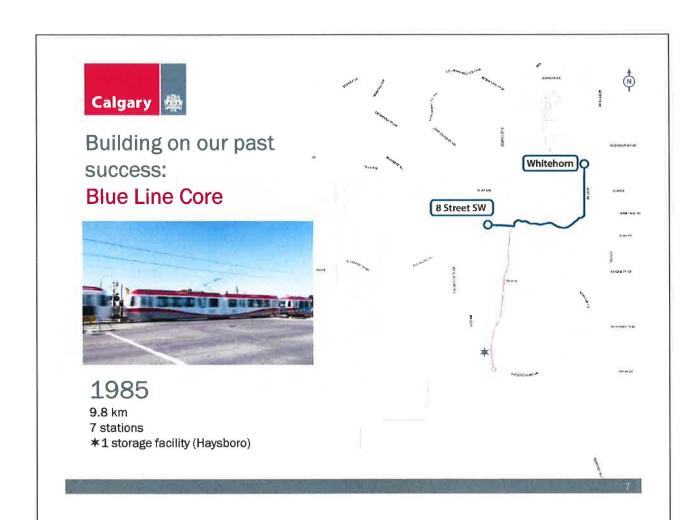


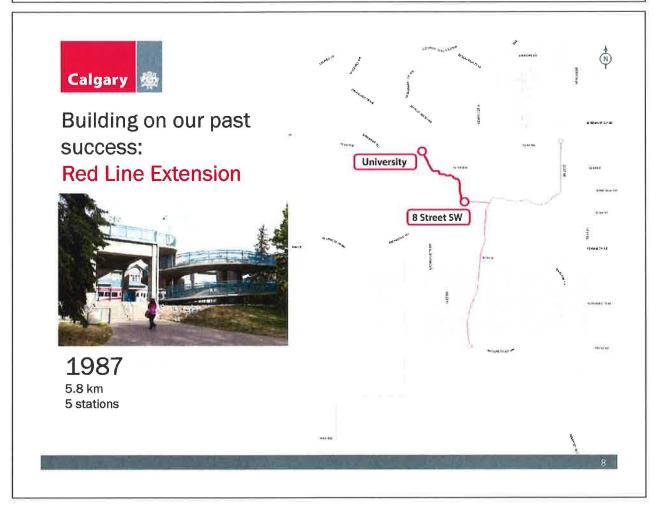
Building on our past success:
Red Line Core

8 Street SW

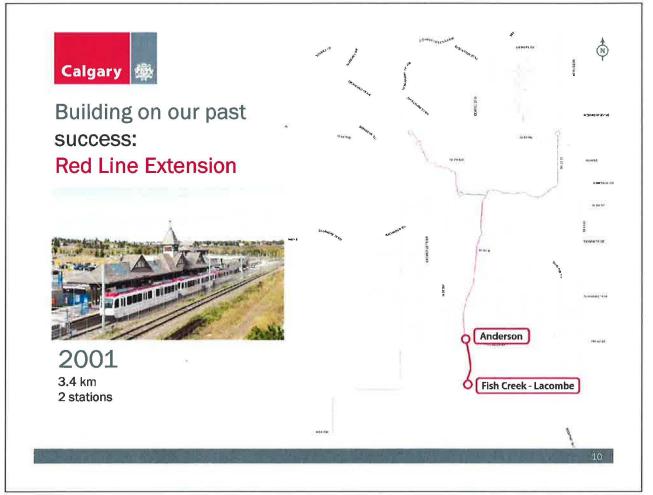
Anderson

1981
12.9 km
15 stations
*1 maintenance and storage facility





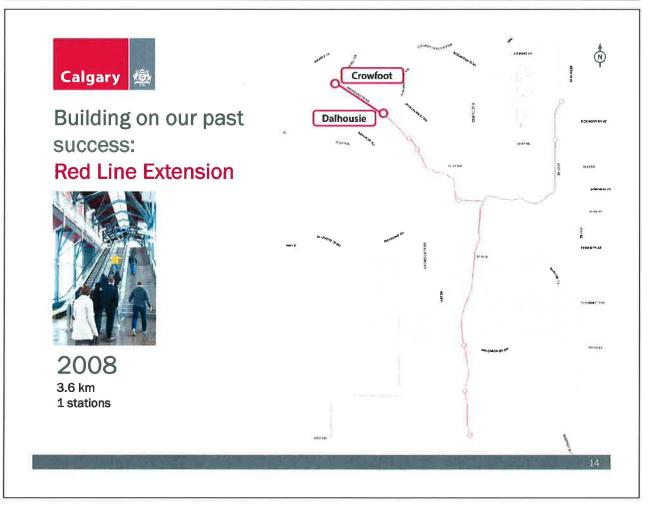




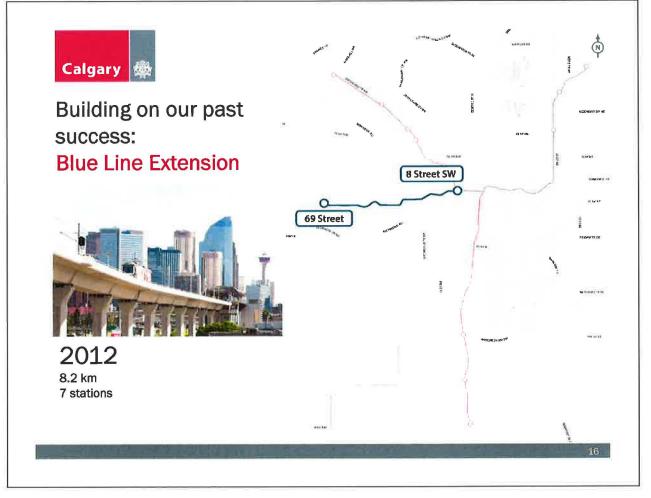


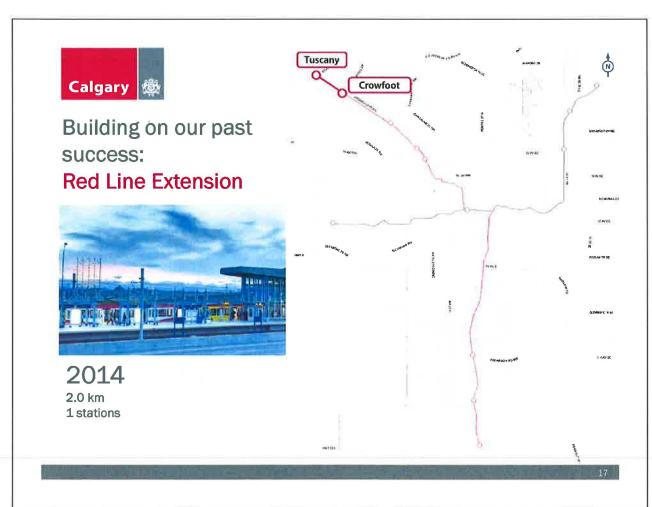


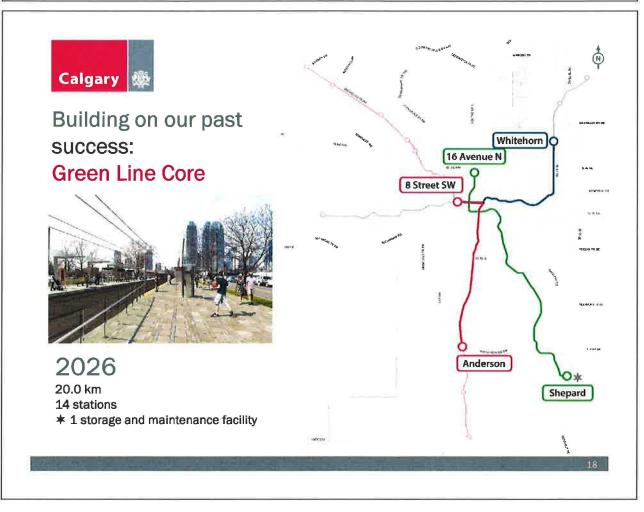














Planning for the Future

Meet Darshan: 23 year old professional



Meet Erica: 6 year old active kindergartner



9.00



Planning for the Future

Darshan:



Community: Douglas Glen

Destination: Downtown via 302 BRT

Today's Challenge: Reliability of service, travel

time

Erica:



Community: Crescent Heights

Destination:Cultural events throughout the city

Today's Challenge: Access to

destinations

2 AVENUE SW 0 4 STREET SE
CENTRE STREET S INGLEWOOD/RAMSAY
26 AVENUE SE
HIGHFIELD
LYNNWOOD/MILLICAN
OGDEN
SOUTH HILL

DOUGLAS GLEN

SHEPARD



Planning for the Future

Darshan's Commute to Downtown - Douglas Glen to 7 Avenue SW

Today's challenge

- Unreliability: traffic, weather, delays due to Heavy Rail crossing
- · Driving costs: gas, maintenance, parking



Green Line benefits

- Reliability
- · Time and cost savings
- Mobility choice



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Planning for the Future

Erica 10 years later as a 16 year old teenager

Green Line benefits

- Increased accessibility to destinations across the city with 80km of LRT
- · Ability to work anywhere with transit access
- · Flexibility in not having a vehicle





How we determined the Core Project





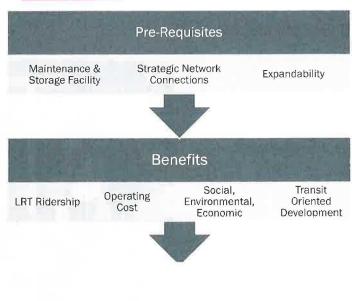




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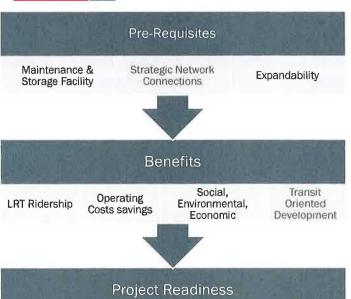
How we determined the Core Project







How we determined the Core Project



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Stakeholder

Preparedness

Staging options evaluated

Industry

resourcing and

capacity

Long Term Vision 7 Ave SW to Shepard 2 Ave SW to McKenzle

Design and

Approvals

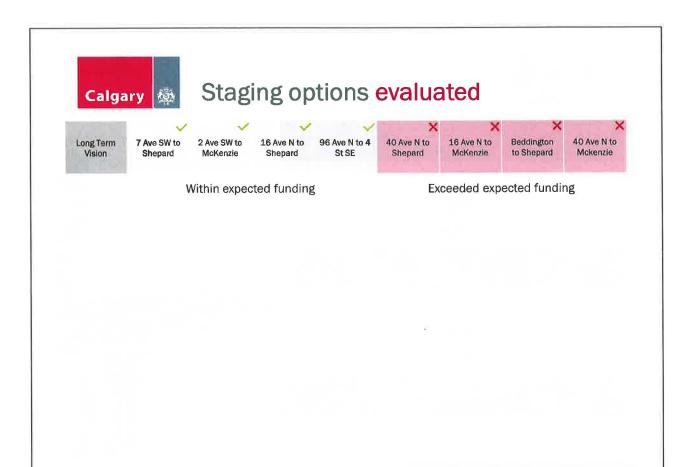
16 Ave N to Shepard

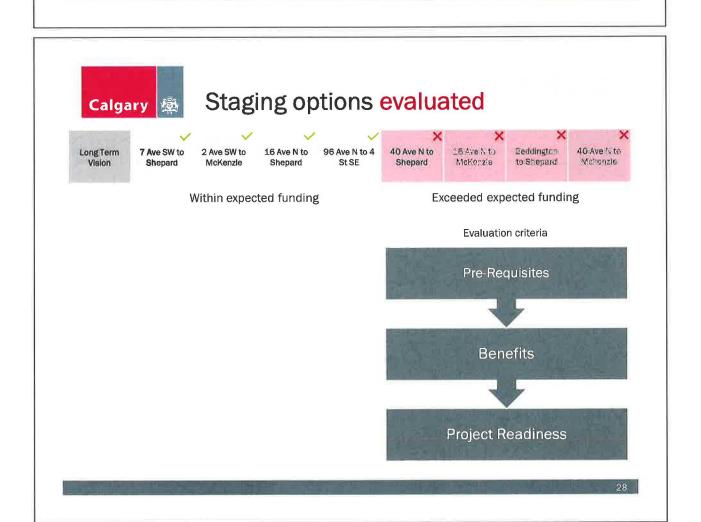
Land

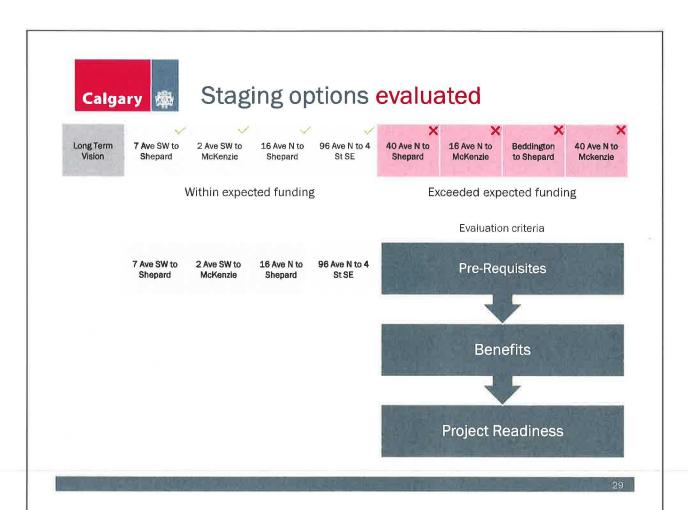
Acquisition

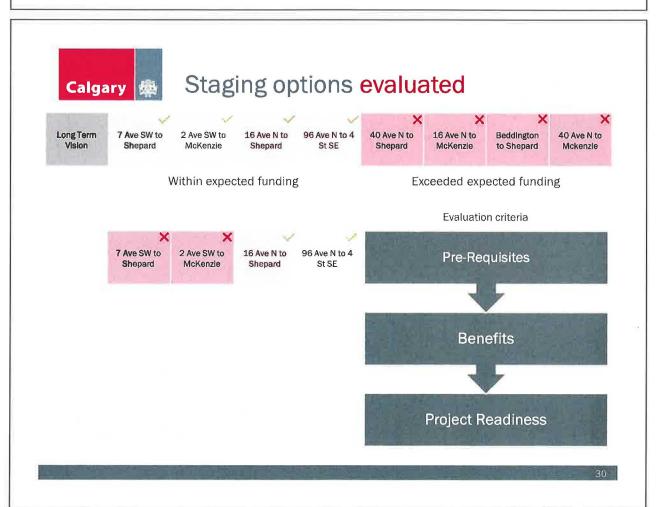
N to 96 Ave N to 4 ard St SE

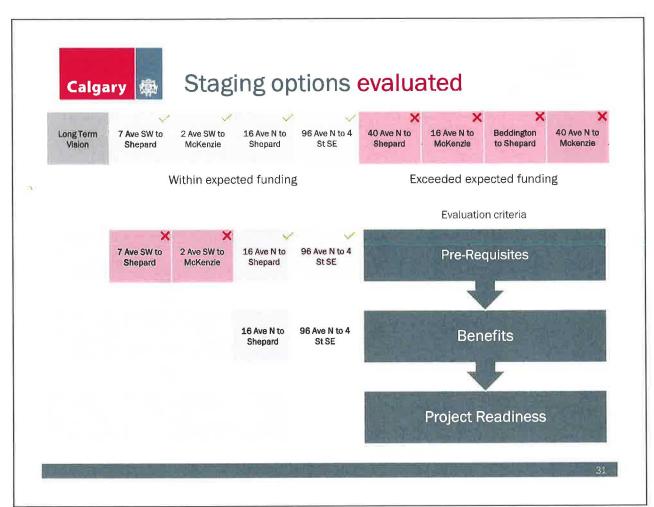
4 40 Ave N to Shepard 16 Ave N to McKenzle Beddington to Shepard 40 Ave N to Mckenzie

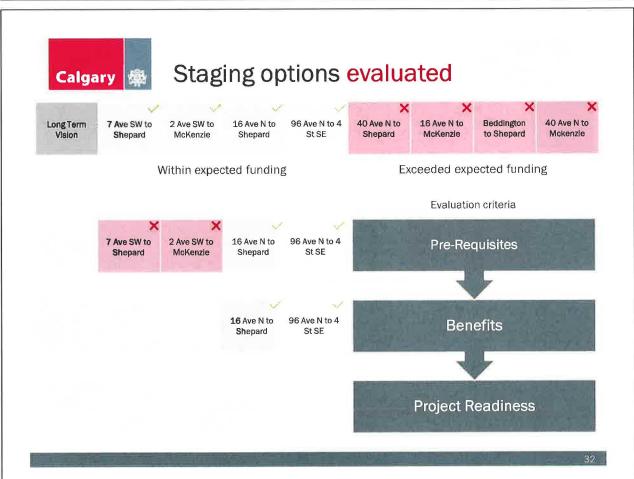


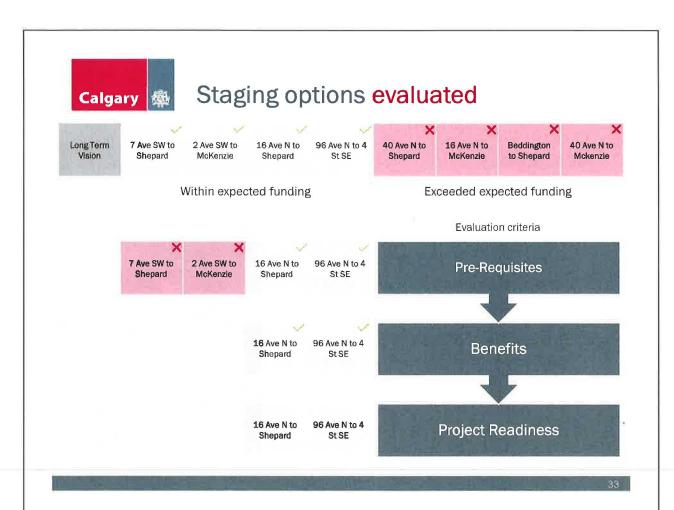


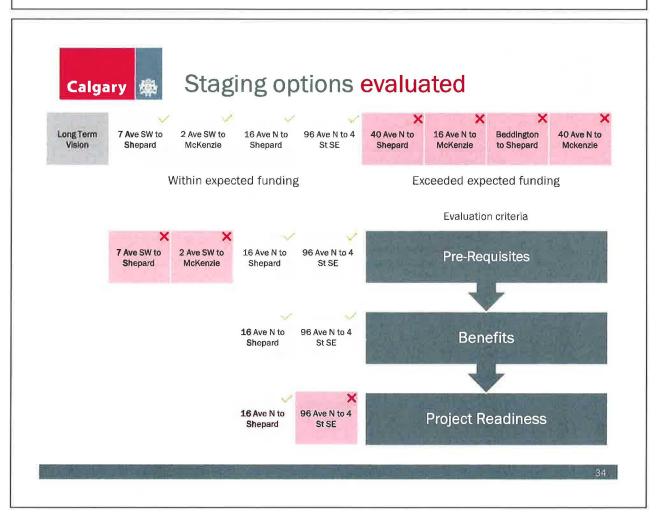










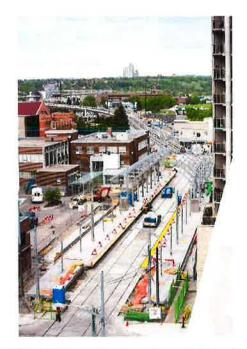




Why build the core today?

Job creation

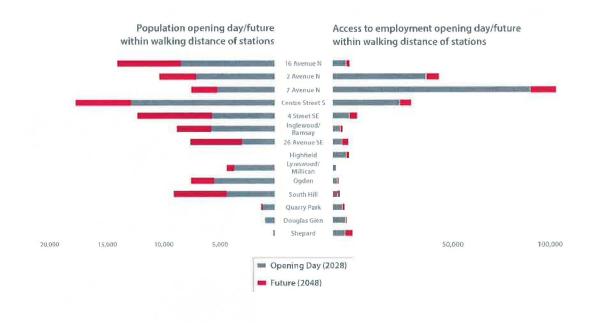
- Over the proposed 10 years of planning and construction, the first stage project is estimated to create over 12,000 direct construction jobs and over 8,000 supporting jobs.
- This creation of jobs is in addition to the operating jobs for opening day of service.



3.5

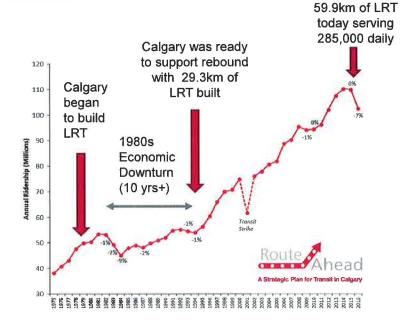
Calgary 🥸

Why build the core today?





Why build the core today?





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Project readiness

10 Competing Projects Across Canada

Transit Length: 6km (Vancouver Broadway) to 67km (Montreal REM)
Total Cost ranges from \$1B (Hamilton) to \$5.4B (Eglinton)





Recommendation: 16 Avenue N (Crescent Heights) to 126 Avenue SE (Shepard)

✓ Connects to Centre City and to Crosstown BRT's
 ✓ MSF at Shepard
 ✓ Ensures future expandability
 ✓ 60,000 to 65,000 daily transit trips
 ✓ Connects existing 60+ Community Services
 ✓ Connects 2300+ existing affordable housing units
 ✓ Linking to 191,000+ jobs
 ✓ 30,000 tonnes GHG reduction
 ✓ Adds 4 TOD areas (6 Stations)

✓ 20 km's ready for construction

2 AVENUE SW 2 4 STREET SE CENTRE STREET S INGLEWOOD/RAMSAY 26 AVENUE SE HIGHFIELD

LYNNWOOD/MILLICAN OGDEN

SOUTH HILL

QUARRY PARK DOUGLAS GLEN

SHEPARD

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Features of the core

TIMELINE

Target Construction Start: 2020

Target Service Opening: 2026

COST

Capital Construction: \$4.65B

Net Operating Cost: \$40M/year

starting in 2026

20 km of LRT Track
14 Stations
8 Bridges
1 km Elevated track
3 Park and Ride Facilities
3 Tunnels
4 km Centre City Tunnel
1 New Maintenance & Storage Facility
70 Low Floor Vehicles

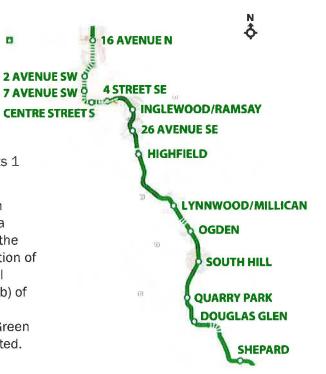




Administration Recommendations:

That the Strategic Meeting of Council:

- 1. Receive this report and attachments 1 and 2 for information;
- 2. Direct that attachment 2 and any In Camera discussion heard in-camera pursuant to subsection 23(1)(b) of the Freedom of Information and Protection of Privacy Act, and remain confidential under 24(1)(a), 24(1)(b) and 25(1)(b) of the Freedom of Information and Protection of Privacy Act, until the Green Line construction has been completed.



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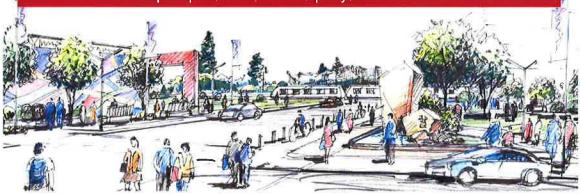
Next Steps





Building the core project serves Calgarians.

- Foundation for future extensions
- Builds most technically complex & capital intensive aspects
 - Leverages investment to shape the City and the way people, live, work, play, and move



Artist's sketch of Green Line crossing at 8 Street S.E./9 Avenue S.E.

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