



Integrated Infrastructure Services

Edmonton

2023 CEA's Partnering with Industry

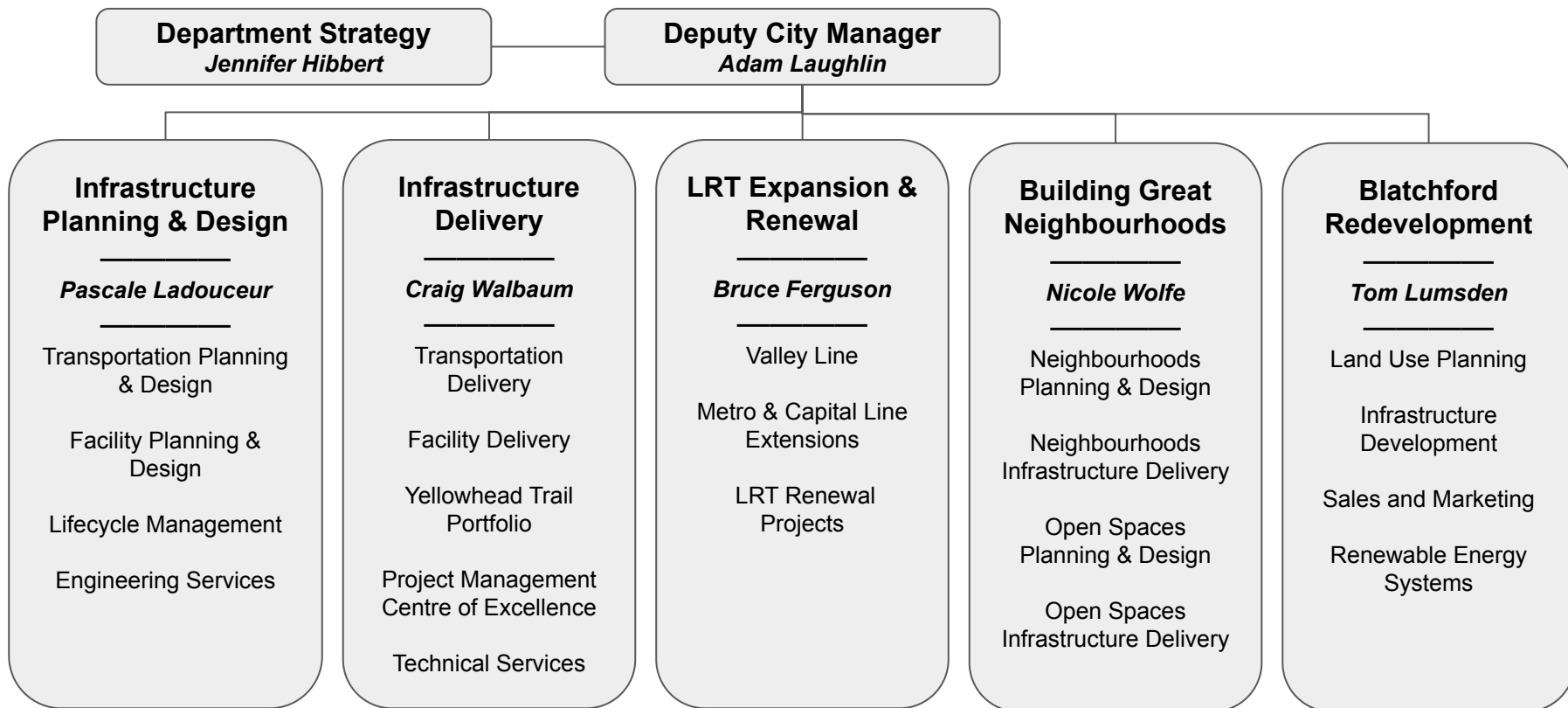
January 2023



Welcome

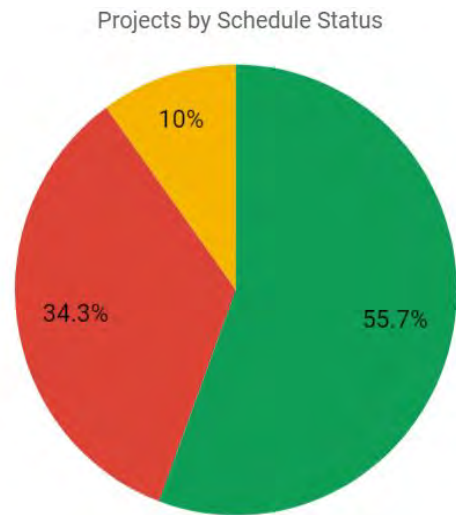
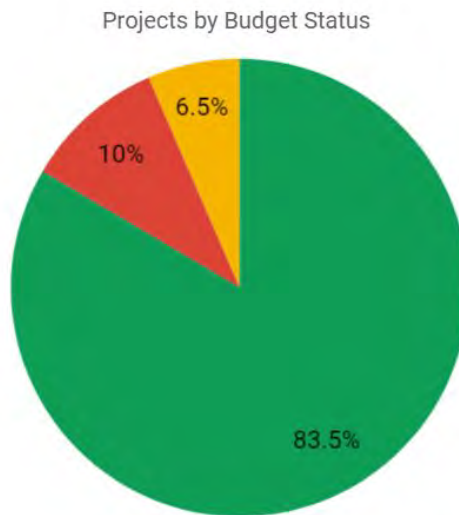
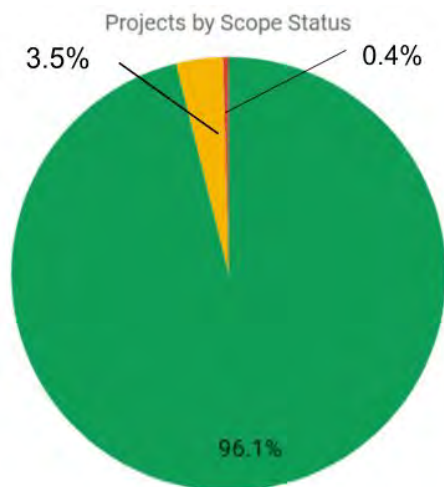
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Integrated Infrastructure Services - Department Structure



2022 Council Performance Reporting

Q3 2022 - Consolidated Capital Performance		
Scope	Budget	Schedule
221	192	128
8	15	23
1	23	79
230	230	230



2023-2026 Priorities

Approved combined funding of \$21 billion:

- **\$8 billion in Capital funding for new infrastructure and to maintain existing infrastructure, including:**
 - Active modes such as advancing the bike plan, reaffirming commitment to the LRT, Yellowhead Trail and Terwillegar Drive projects
 - Climate change initiatives that will focus on building energy retrofits, net-zero buildings, and solar array installations
- **\$13 billion in Operating costs to focus on delivering and improving services to advance the City Plan goals and outcomes:**
 - Affordable housing, homelessness prevention and an affordable housing grant program
 - Transit services, including expanding and making On Demand transit service permanent and transit off peak service
 - Enhanced snow and ice control
 - Energy transition and climate adaptation
 - Transit safety



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2023-2026 Capital Budget — Priorities and the City Plan



Save more than 5,000 hectares of land from development by containing growth within Edmonton's current urban boundary and developing more efficiently.

Approved Projects:

- Chinatown Infrastructure Improvements
- Affordable Housing Land Acquisition & Site Development
- High Level Bridge Rehabilitation
- Riverbend Library Relocation
- Valley Zoo Animal Enclosure Renewal and Enhancement
- District Parks
- Corner Stores Program
- Balwin / Belvedere Revitalization
- 137 Avenue / Anthony Henday Drive Ramps



Actively support redevelopment to enable more than 50% of new population growth to occur within already-established areas of the city.

Reaffirmed Commitment:

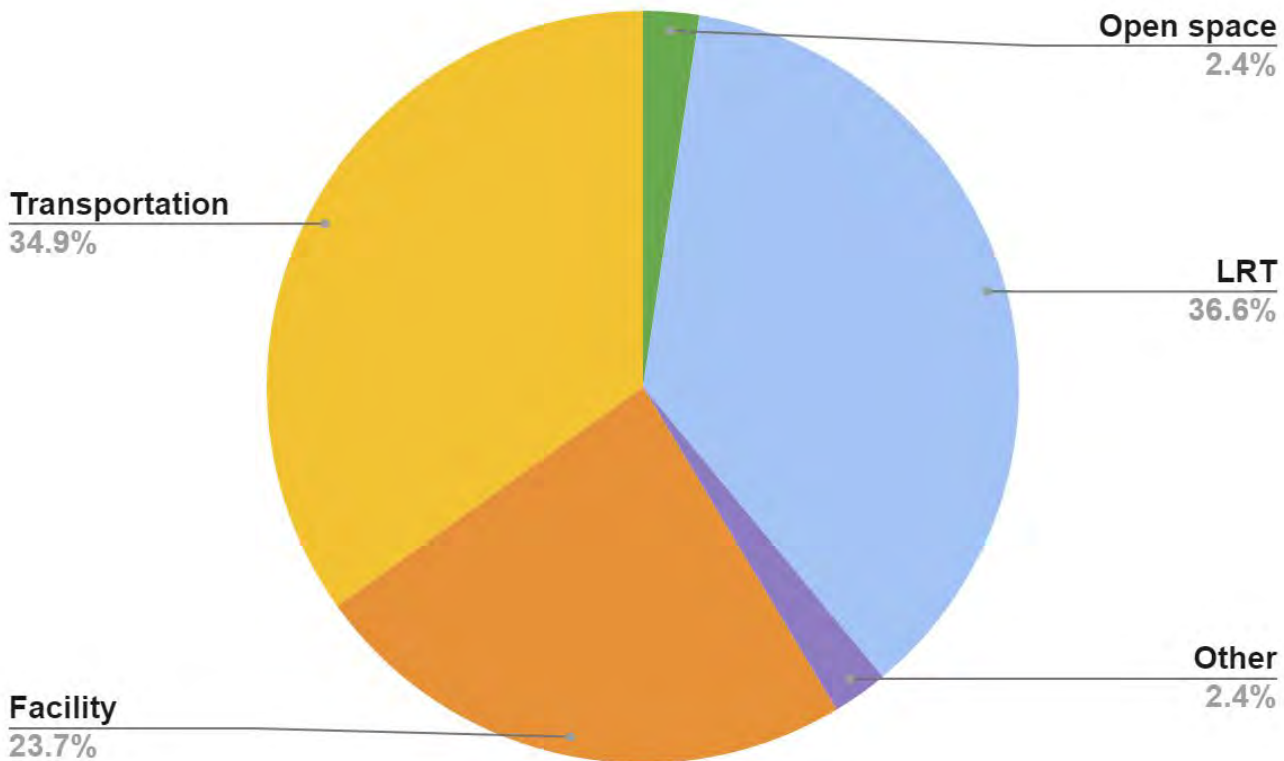
- Blatchford Redevelopment
- William Hawrelak Park Rehabilitation
- Neighbourhood and Alley Renewal Programs
- Bridge Rehabilitation and Renewal Program
- Edmonton-Strathcona County Pedestrian Bridge
- 50 Street CP Rail Grade Separation



Improve Edmonton's long term fiscal performance as compared to business-as-usual growth pattern.

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2023-2026 Capital Budget \$7.9 B



Transportation

Planning & Design Questions:
Natalie Lazurko

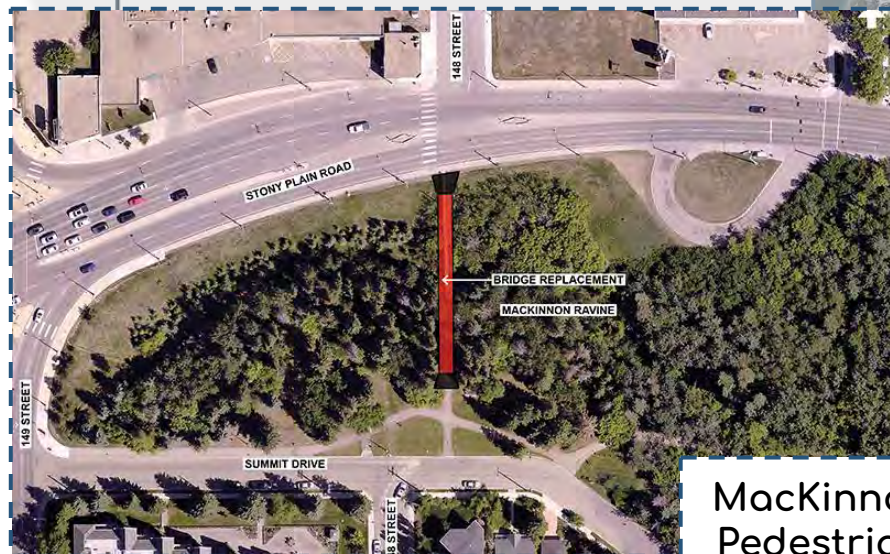
Director, Transportation Planning and Design
natalie.lazurko@edmonton.ca

Delivery Questions:
Sam El Mohtar

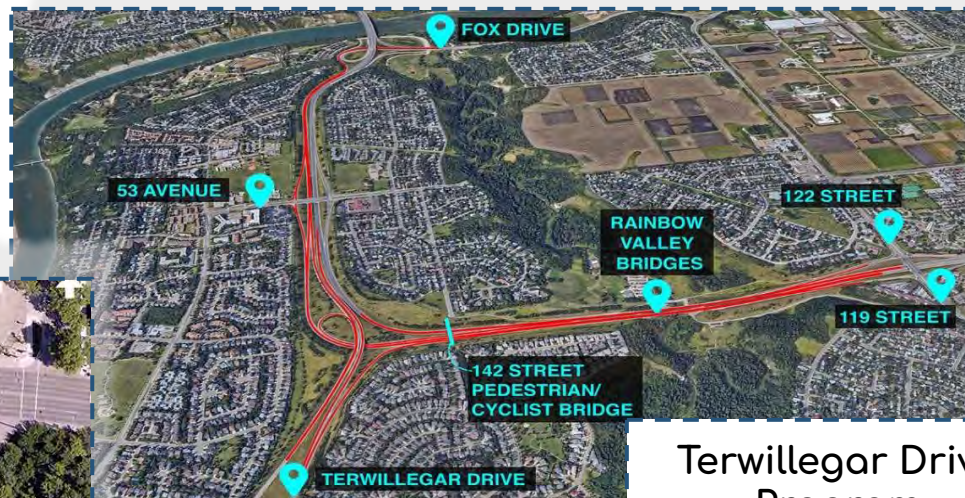
Director, Transportation Infrastructure Delivery
sam.elmohtar@edmonton.ca

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2022 Highlights - Transportation Planning and Design

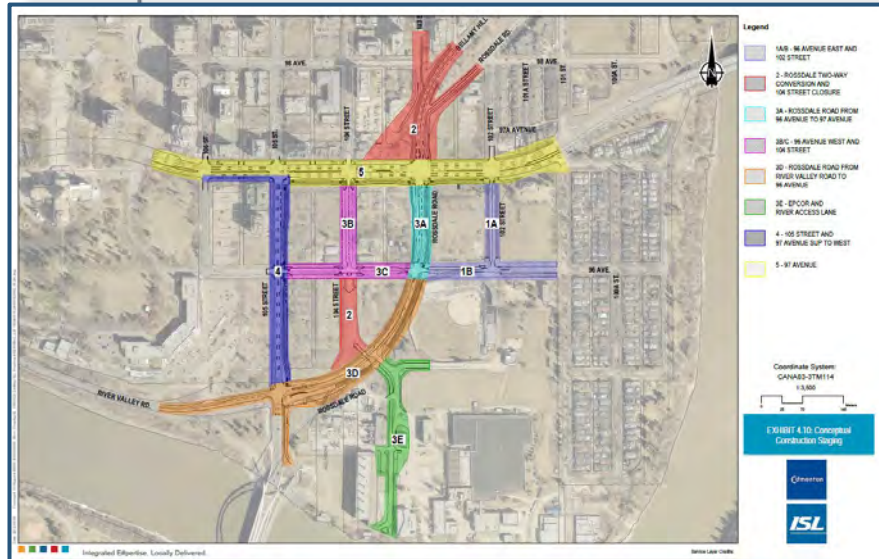


Mackinnon Ravine
Pedestrian Bridge



Terwillegar Drive
Program

2022 Highlights - Transportation Planning and Design



Rosssdale



Figure 4.15: Cross Section of Rossdale Road Near 105 Street



Figure 4.16: Winter Cross Section of Rossdale Road near 105 Street

2023 and Beyond

2023-2026 Opportunities:

- Bike Network Expansion - Planning, Design, Delivery - \$100 million budget
- Missing and Enhanced Sidewalk Connections - Planning, Design, Delivery - \$13.6 million
- Mass Transit Planning:
 - Mass Transit Routes B1 and B2 - Planning (\$5.5 million)
 - Transit Priority Measures - Planning, Design, Delivery (\$7.1 million)
- Chinatown Infrastructure Improvements to 97 Street and 107A Avenue
- Bridge Renewal
- Streetlight designs for renewal projects
- Public engagement and communications support for renewal and growth projects

Yellowhead Trail Freeway

Presenter: **Kris Lima, Director, Yellowhead Trail Portfolio**

Questions: **Kris Lima, Director, Yellowhead Trail Portfolio**
kris.lima@edmonton.ca

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2022 Highlights - Yellowhead Trail Freeway

Construction Value \$120M

156 Street to St. Albert



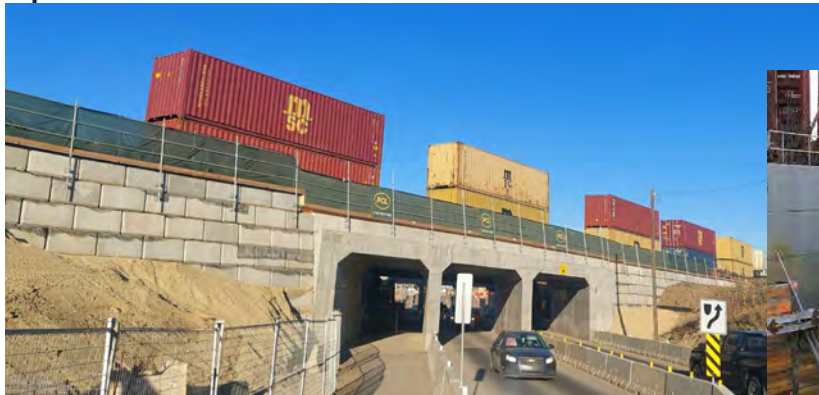
CIMA+



Construction Value \$100M

WSP

Fort Road Widening



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2022 Highlights - Yellowhead Trail Freeway

St. Albert Trail to 97 Street *Design & Construction Management*

- Removal of at-grade signalized intersections: 127 Street, 124 Street, 121 Street and 107 Street
- Design to be complete by the end of 2023
- Construction Management Delivery Model
- Construction phase 2023-2027

ISL Engineering

PCL



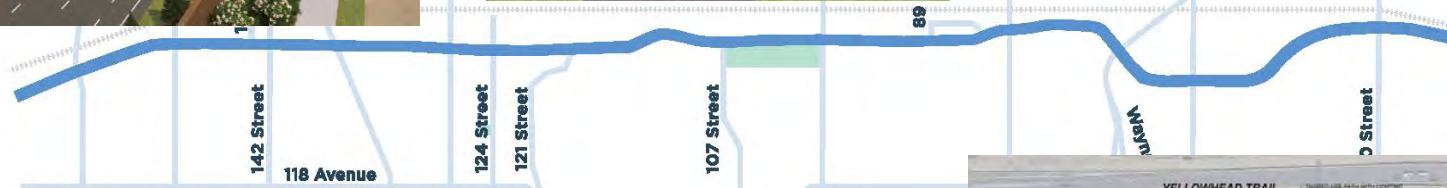
Estimated Construction Value \$400M



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2022 Highlights - Yellowhead Trail Freeway

Active Mode Corridor: 142 Street to Fort Road



Facility

Presenter: **Jesse James Banford or Shannon Fitzsimmons**

Planning Questions:
Shannon Fitzsimmons B.A., B. Arch

Director
Facility Planning & Design
shannon.fitzsimmons@edmonton.ca

Delivery Questions:
Jesse James Banford, P.Eng., GSC, NCSO

Director
Facility Infrastructure Delivery
jesse.banford@edmonton.ca

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2022 Accomplishments / Highlights / Accolades

Coronation Rec. Facility
“Groundbreaking” March 2022



Capilano Library
“Prairie Design Awards” Nov 2022



Supportive Housing
“Grand Opening” June 2022



Expo Centre
“Canada’s largest rooftop solar array” Aug 2022

Facility Planning, Design Program

- **100 plus projects valued at over \$1B**

Planning & Design

- Ambleside Integrated Operations Facility
- Fire Stations - Walker, Cumberland and Blatchford Fire Station
- New Transit Bus Garage
- Mayfield Eco Station (NW)
- Edmonton Valley Zoo Renewal & Enclosures
- Solar PV and CHP projects across several facilities
- Rollie Miles Recreation centre
- Edmonton Coliseum Demolition
- ... 40+ other renewal projects

Delivery

- Coronation Recreation Centre
- Edmonton Convention Centre renewal
- Police Headquarters Renewal
- Expo Centre Renewal
- Lewis Farms Recreation Centre
- William Hawrelak Park Renewal
- ... 40+ other renewal projects

<https://building.edmonton.ca/projects>

Open Spaces

Presenter: **Suzanne Young**

Planning & Design Questions:
Suzanne Young

Director, Open Spaces Planning and Design
Suzanne.Young@edmonton.ca

Delivery Questions:
Nicole Wolfe

Director, Open Spaces Infrastructure Delivery
nicole.wolfe@edmonton.ca

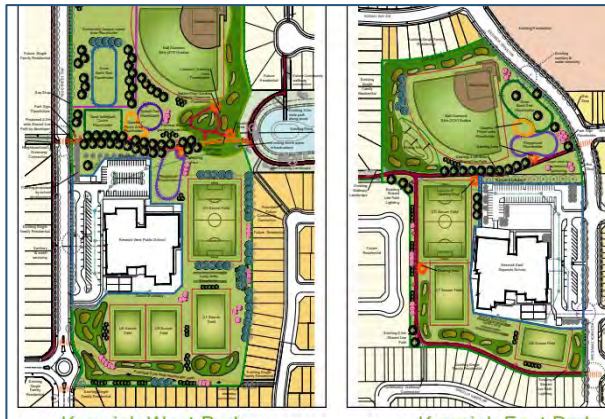
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2022 Highlights

Beaver Hills House Park



Keswick East & West Park



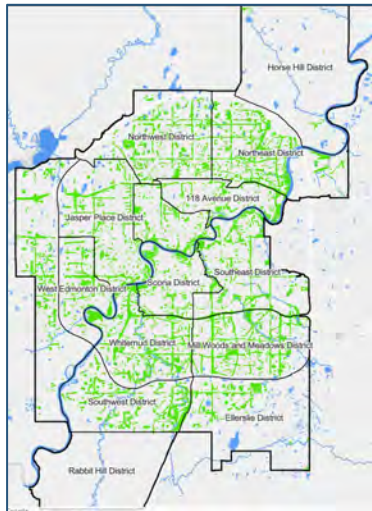
Confederation District Park



Heritage Valley District Park



Warehouse Park



2022 Program

~\$40M with carryover into 2023

Planning & Design

- Touch the Water Promenade
- Warehouse Park
- Beaver Hills House Park Renewal
- Second Neighbourhood School/Park GLS
- Neighbourhood Park Development Program Projects
- Community Led Projects
- Greener as We Grow - Trees



Delivery

- Heritage Valley District Park (year 2 of 3 year construction)
- Confederation District Park Renewal (year 2 of 3 year construction)
- Glengarry District Park Renewal (year 2 of 2 year construction)
- Urban Tree Canopy projects
- Inglewood Open Spaces Revitalization
- Cemetery Renewal Projects

2023 Program

Planning & Design

- Warehouse Campus Park
- Beaver Hills House Park/Michael Phair Park
- Indigenous Co-Design Park (Rossdale)
- Playgrounds, trails, dogs off leash, trees, slope stabilization, etc.
- Urban Tree Canopy Expansion



Delivery Tenders

- Baseball Diamond Renewal
- Victoria Golf Course - Clubhouse Entrance Renewal
- John Janzen Nature Centre Landscaping
- Secord South Park Development
- Millwoods Artificial Turf
- Trail renewals, stairs, playgrounds & sports fields



Neighbourhoods

Presenter: **Ryan Kirstiuk, Director**

Planning & Design Questions:
Ryan Kirstiuk

**Director,
Neighbourhoods Planning and Design**
ryan.kirstiuk@edmonton.ca

Delivery Questions:
Marlis Foth

**Director,
Neighbourhoods Infrastructure Delivery**
marlis.foth@edmonton.ca

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2022 Highlights - Neighbourhoods Planning & Design

2

Neighbourhood
Reconstruction
Planning & Design
Services
(Full Services)

2

Neighbourhood
Reconstruction
Urban Design Analysis

1

Neighbourhood
Rehabilitation
Planning & Design
Services
(Full Services)

3

Alley Renewal*
Planning & Design
Services
(Full Services)

2022 Consulting
Assignments Value

\$9.3M



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Neighbourhoods Infrastructure Delivery

Looking back at 2022

9

Active
Neighbourhood
Reconstructions
(4 Completed)

12

Rehabilitation
Projects
(10 Industrial
2 NERP)

1

Streetscape
Project

4

Active Alley
Projects
(3 Completed)

Cost of
Completed
Projects

\$150M



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2023 and Beyond - Neighbourhoods Planning & Design

1

Standing
Arrangement
Planning & Design
Services
(Full Services)

4

Neighbourhood
Reconstruction Planning
& Design Services
(Standing Arrangement)

3

Neighbourhood
Rehabilitation /
Alley Renewal
Planning & Design
Services
(Standing Arrangement)

3

Neighbourhood
Reconstruction
Urban Design
Analysis
(Open Tender)

2023 Consulting
Assignment Value

\$11-13M

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Neighbourhoods Infrastructure Delivery

Looking at 2023

8

Active
Neighbourhood
Reconstructions
(3 New Starts)

3

Rehabilitation
Projects
(1 NERP)

2

Other Projects
(New Start
132 Ave)

10

Alley
Neighbourhoods
(9 New Starts)

Cost of
Proposed
New
Projects

\$220M



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LRT Expansion & Renewal

Presenter: **Eva Cheung**, LRT Infrastructure Projects

Questions: **Eva Cheung**, General Supervisor
eva.cheung@edmonton.ca

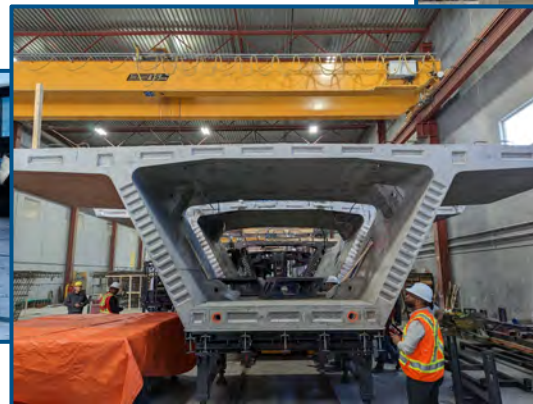
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2022 Accomplishments / Highlights

Valley Line Southeast:



Valley Line West:



2022 Highlights

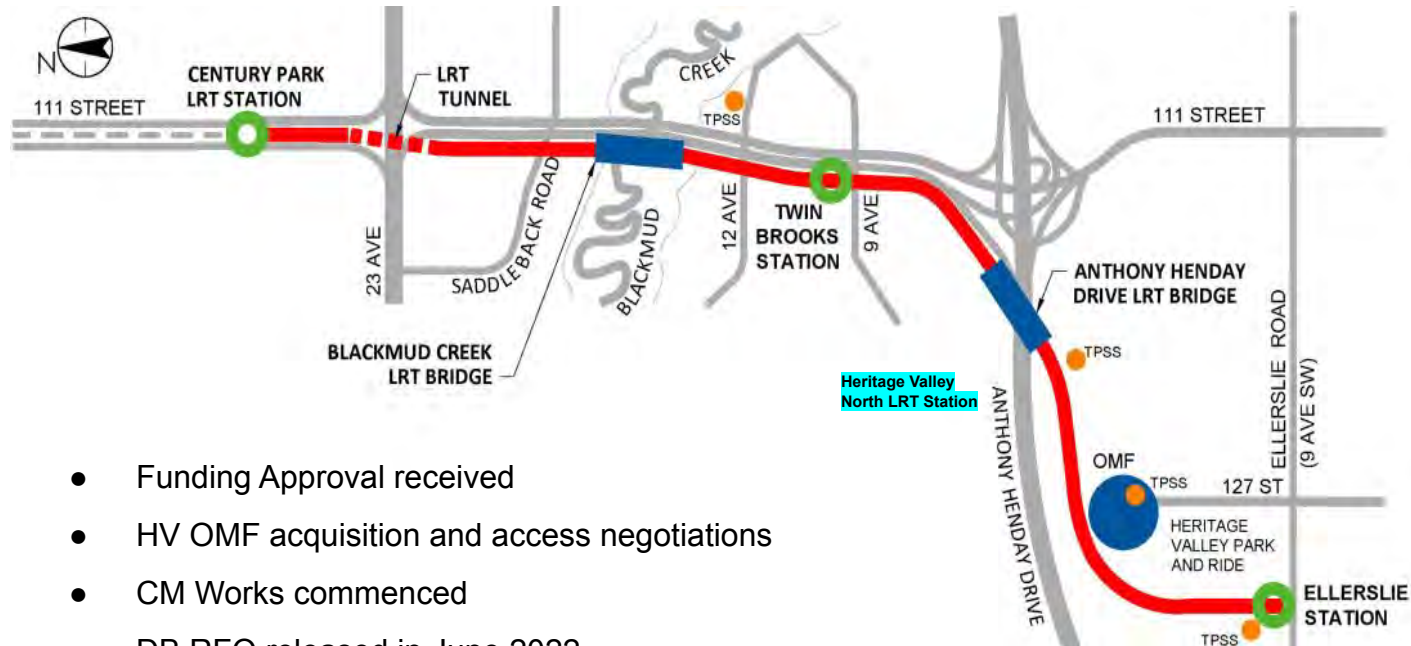
Metro LRT Phase 1 (NAIT to Blatchford):



- Completed concrete trackway
- Completed embedded rail installation from Blatchford Gate Station to temporary NAIT Station
- Completed new high-floor LRT station platforms (precast concrete decks) with canopies
- Began OCS pole installation and cycle track & sidewalk construction

2022 Accomplishments / Highlights / Accolades

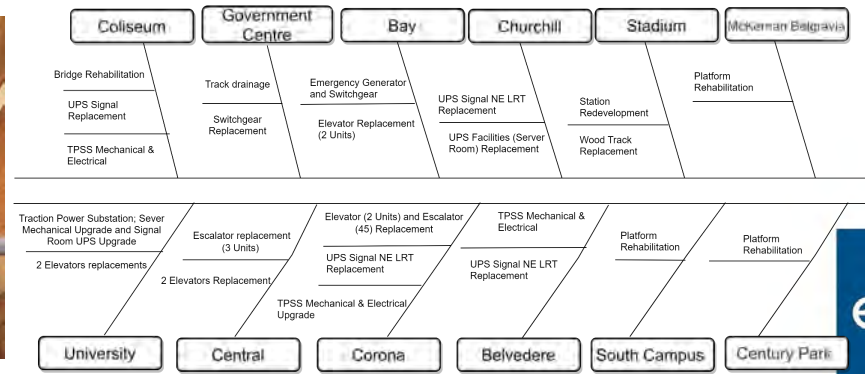
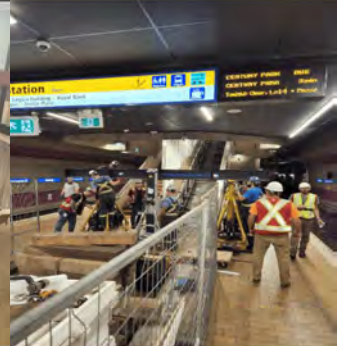
Capital Line South Phase 1:



- Funding Approval received
- HV OMF acquisition and access negotiations
- CM Works commenced
- DB RFQ released in June 2022
- DB proponents shortlisted in November 2022

2022 Accomplishments / Highlights

Renewal Program:



2023 and Beyond

Metro Line NW:

- Complete station shelters and installation of photovoltaic panels on the platform canopies
- Complete construction of the two utility complexes and OCS installations
- Complete cycle tracks, sidewalks and roadway connections
- Off-corridor SUP construction on 118 Avenue and 123 Avenue
- Existing NAIT Station area repurposing - station removal and area improvements

Valley Line Southeast:

- Pier repairs have been completed. Aesthetic repairs remain to be done.
- Commissioning and performance demonstration continues
- Service Commencement anticipated in 2023

Valley Line West:

- Infrastructure construction continues until 2026 (most disruptive 2022-2025)
- LRV deliveries start in 2025
- Service Commencement in 2027

LRT Renewal Projects:

- Complete LRT Stadium Station - seasonal deficiencies
- Complete construction of LRT Signal and Electrification Program (6 projects), ROW Track and Crossover (12 Projects) and LRT Facilities Program (14 projects).
- Complete 103A Ave Pedway & Streetscape design and CM appointment
- Start Coliseum Rehab Bridge construction

2023 and Beyond

Capital Line South:

- Key activities include:
 - Early Works construction at 23 Avenue: till April 2024
 - Utility Relocations: Until 2024
 - DB RFP release: March 31, 2023
 - DB contract award: late 2023
 - LRV procurement commencement: May 2023
 - LRV contract award: May 2024
 - CLSE service commencement: Q3 2028

Blatchford

Presenter: **Ryan Kirstiuk**, Director, Neighbourhoods Planning & Design

Questions: **Tom Lumsden**, Development Manager
tom.lumsden@edmonton.ca

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2022 Accomplishments



Residents continue to move into the community



Stage 3 Serviced

Future Planning



Servicing stage 5 and NAIT lands

Corporate Procurement & Supply Services

Presenter: **Harvir Brar**

Questions:
Harvir Brar

Procurement Manager, IIS
harvir.brar@edmonton.ca

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Procurement Initiatives

Social Procurement

2022

City of Edmonton
Council approved
Sustainable
Procurement Policy

Indigenous Procurement

2022

Indigenous
Procurement
Framework
approved by Council

Unsolicited Proposal Framework

2023

Review and improve
current process

Supplier Performance Program

2023

Improve current
program with Industry
consultations

The background of the slide is a dark, blue-tinted photograph of the Peace Bridge in Edmonton, Alberta, Canada, at night. The bridge's distinctive A-frame structure is illuminated, and its reflection is visible in the water below. The scene is dimly lit, with the bridge lights providing the primary source of illumination.

Thank you

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