

City of
Kelowna

Transit Exchange Enhancement Studies

July 25, 2022

Purpose

To update Council on the status of transit exchange infrastructure studies and to seek Council's support to further develop projects and apply for senior government funding.

Studies Objectives

- ▶ Prepare various transit facilities for future service levels envisioned in the TMP.
- ▶ Address ongoing operational challenges and deficiencies at select facilities.
- ▶ Enhance multi modal integration at major transit facilities.
- ▶ Prepare select projects for application to the Investing In Canada Infrastructure Program (ICIP) – by the March 2023 deadline.

Scope of studies

Consultant – IBI Group:

- ▶ **Midtown & Mission exchanges** - engagement, options development & evaluation, cost estimation.
- ▶ **Rutland Exchange** - engagement, options development, preferred option identification, cost estimation.
- ▶ **YLW transit hub** –engagement, concept refinement, cost estimation.

Consultant – Watt Consulting Group:

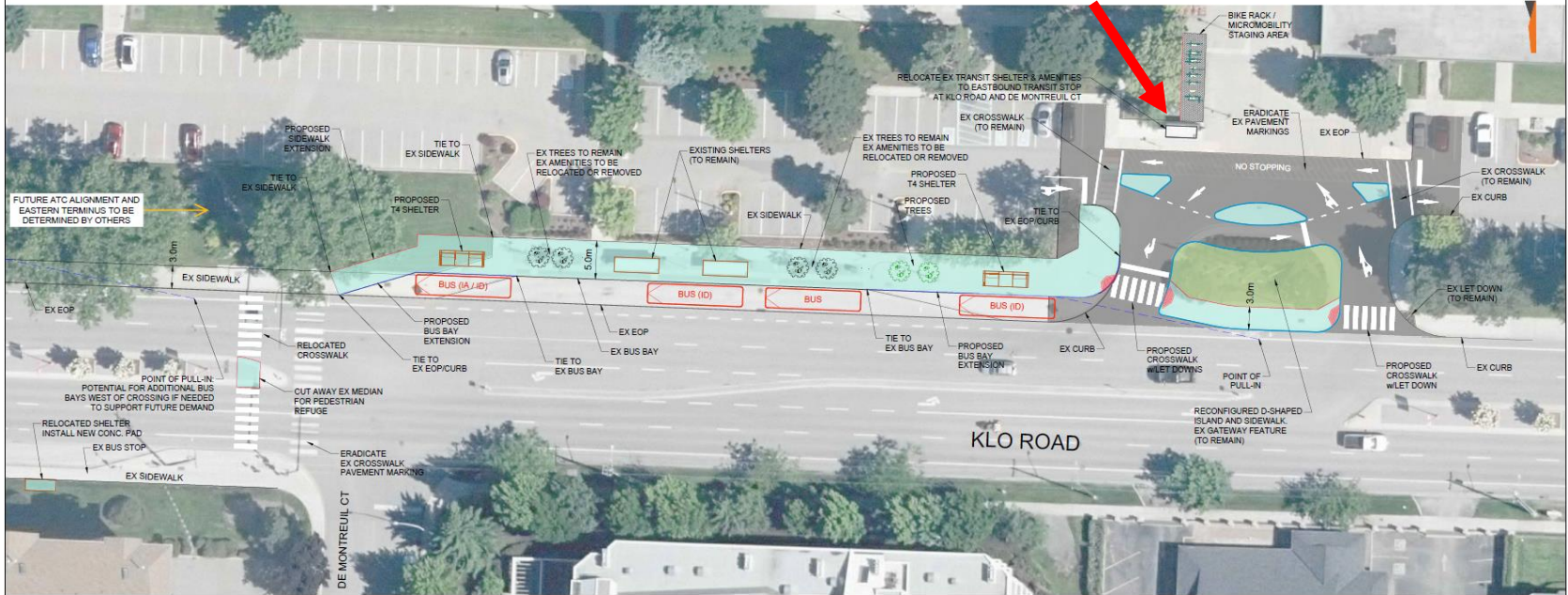
- ▶ **Okanagan College** – engagement, options development & evaluation, preferred option identification, cost estimation.

Rutland Exchange



Okanagan College

Current Bay A to be eliminated

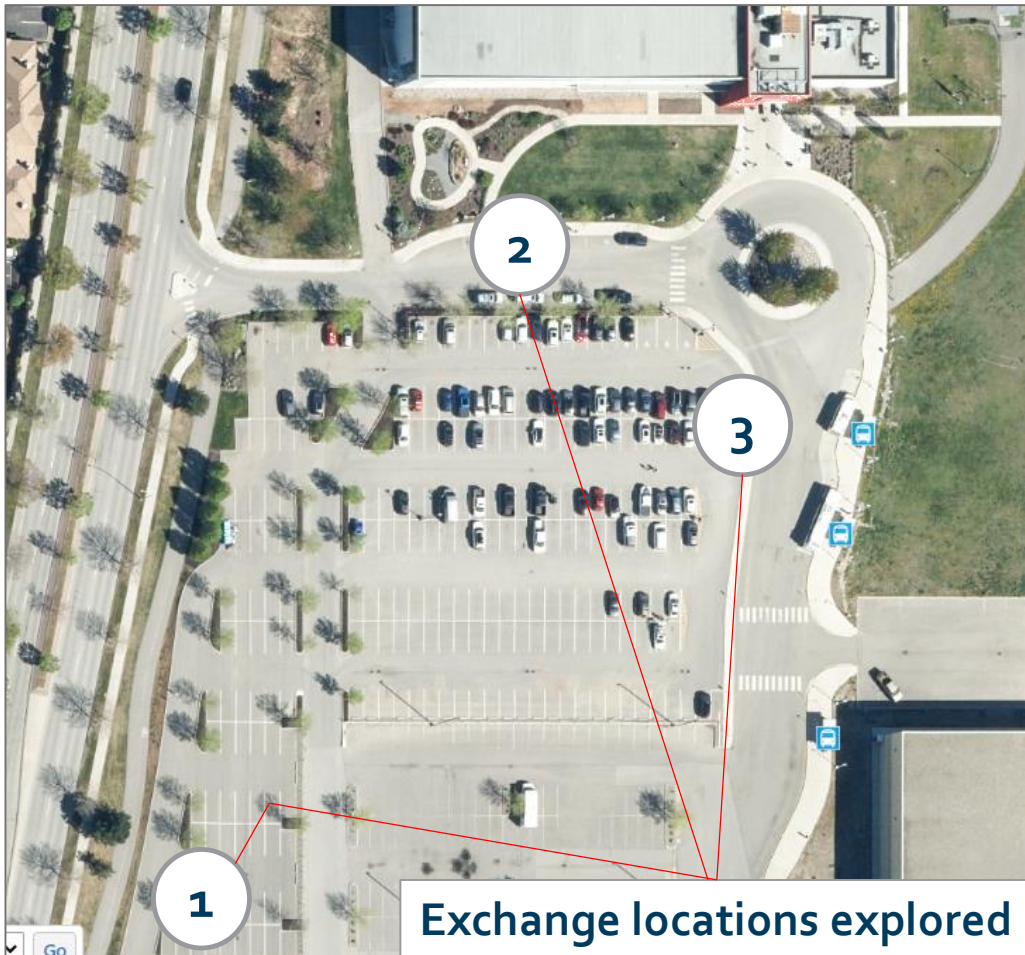


| | | | | | | | | |
|-------|-----------|------------------------------|----------------------------|-----------------|---------------|-----------|---|--------|
| SEAL: | REVISIONS | | 0 6.25m 12.5m 25m 1:500 | | | | TITLE: OKANAGAN COLLEGE TRANSIT EXCHANGE CONCEPT OPTION A | |
| | 0 | FOR DISCUSSION | 2021-09-27 | DESIGNED: | DRAWN: | CHECKED: | | APRVD: |
| | 1 | REDESIGN ISLAND | 2021-11-05 | BAS | BAS | NC | | |
| | 2 | ADD EXCHANGE DETAILS | 2021-11-22 | | | | | |
| | 3 | ADD ATC CONNECTION | 2021-11-30 | DESIGN VEHICLE: | DESIGN SPEED: | | | |
| | 4 | RMV ATC PATHWAY, REVISE TEXT | 2022-03-25 | BUS | 50 km/h | | | |
| | 5 | ADD NOTE FOR FUTURE BUS BAYS | | PROJECT NO: | DRAWING NO: | | | |
| 6 | | | 3115.B01 | 3115_OPT A | | | | |
| 7 | | | DATE: | MAR 25, 2022 | | REVISION: | 4 | |



#8, 2483 - Main Street
West Kelowna, BC V4T 2E8
T, 778.313.1014
www.wattconsultinggroup.com

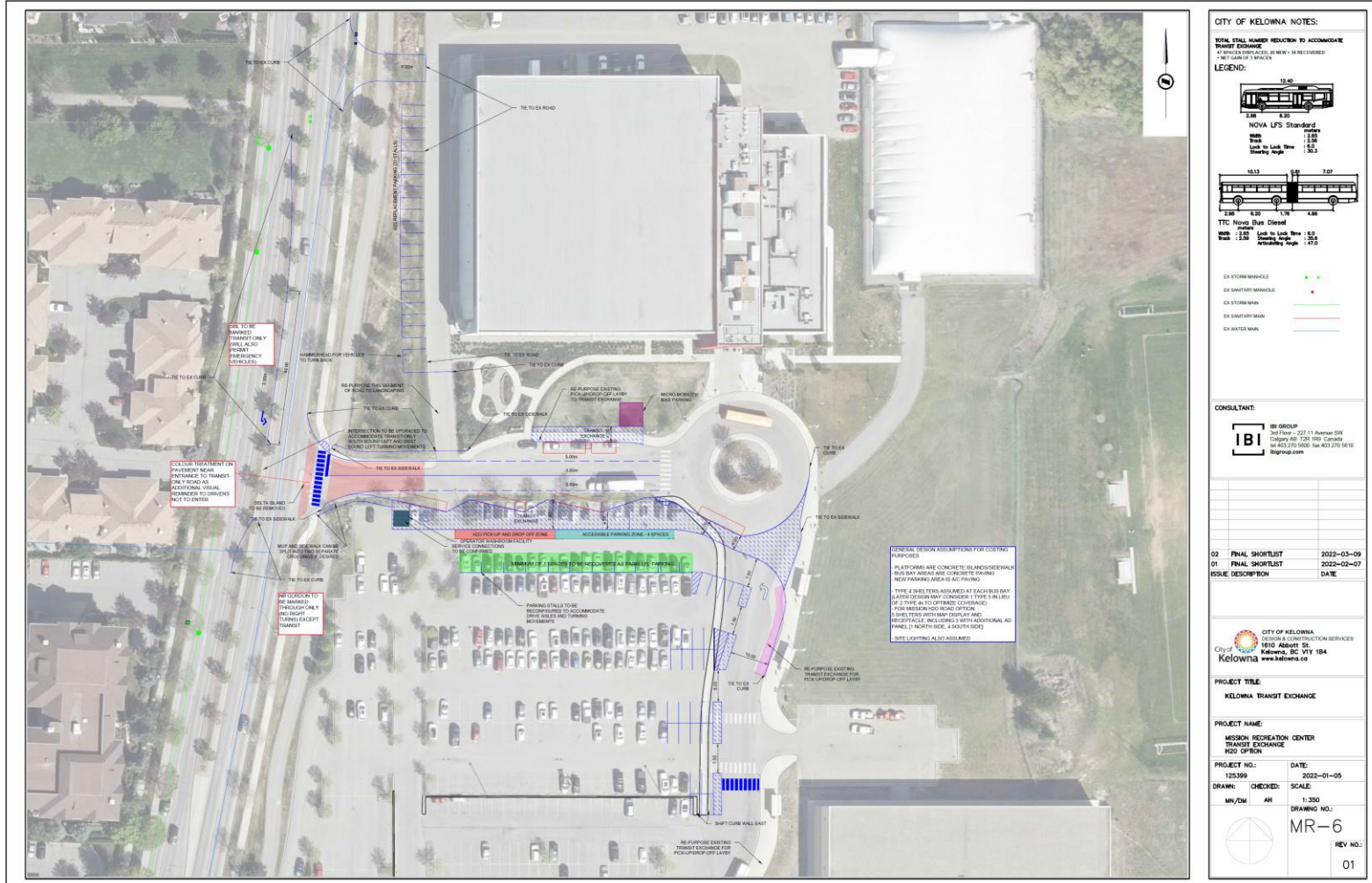
Mission Rec Exchange



Roundabout competing uses



Mission Exchange Concept



CITY OF KELOWNA NOTES:

TOTAL STALL NUMBER REDUCTION TO ACCOMMODATE TRANSIT EXCHANGE:
 AT SPACES DISPLAYED IN NEW - BE RECORDED
 - BE DELETED IF APPLICABLE

LEGEND:

- EX STORE/MANHOLE
- EX SANITARY MANHOLE
- EX STORE/MAN
- EX SANITARY MAN
- EX WATER MAIN

CONSULTANT:

IBI GROUP
 2nd Floor - 227 11 Avenue SW
 Calgary AB T2K 1K9 Canada
 Tel: 403 270 5800 Fax: 403 270 5610
 ibigroup.com

| ISSUE DESCRIPTION | DATE |
|--------------------|------------|
| 02 FINAL SHORTLIST | 2022-03-09 |
| 01 FINAL SHORTLIST | 2022-02-07 |

CITY OF KELOWNA
 MUNICIPAL COMPLETION SERVICES
 1610 Abbott St.
 Kelowna, BC V1Y 1B4
 www.kelowna.ca

PROJECT TITLE:
 KELOWNA TRANSIT EXCHANGE

PROJECT NAME:
 WOODEN RECREATION CENTER
 TRANSIT EXCHANGE
 PHO OFFER

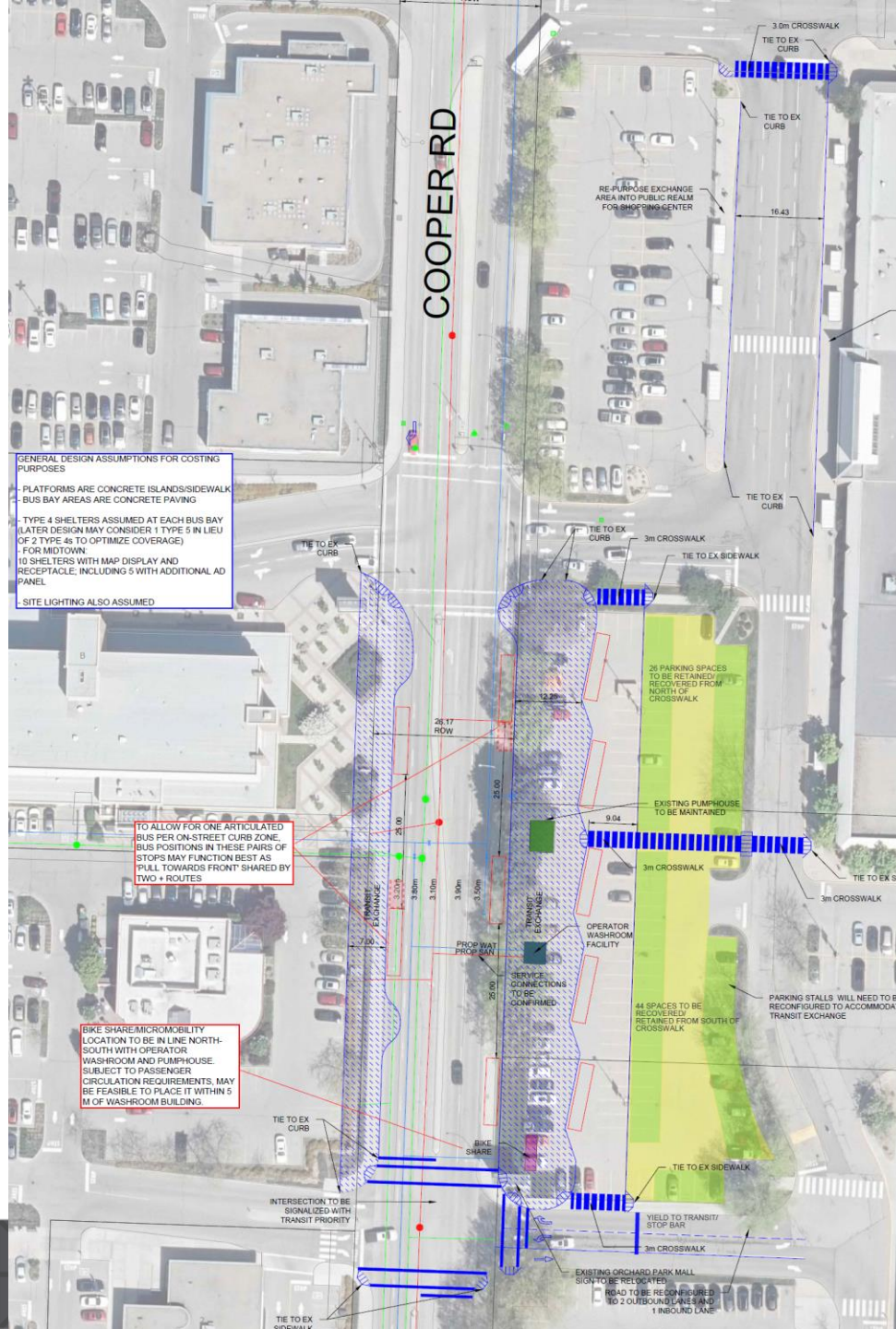
PROJECT NO.: 125599 **DATE:** 2022-01-05

DRAWN: M/W **CHECKED:** A/H **SCALE:** 1:350

DRAWING NO.: MR-6
 REV NO.: 01

Midtown (Orchard Park)





GENERAL DESIGN ASSUMPTIONS FOR COSTING PURPOSES

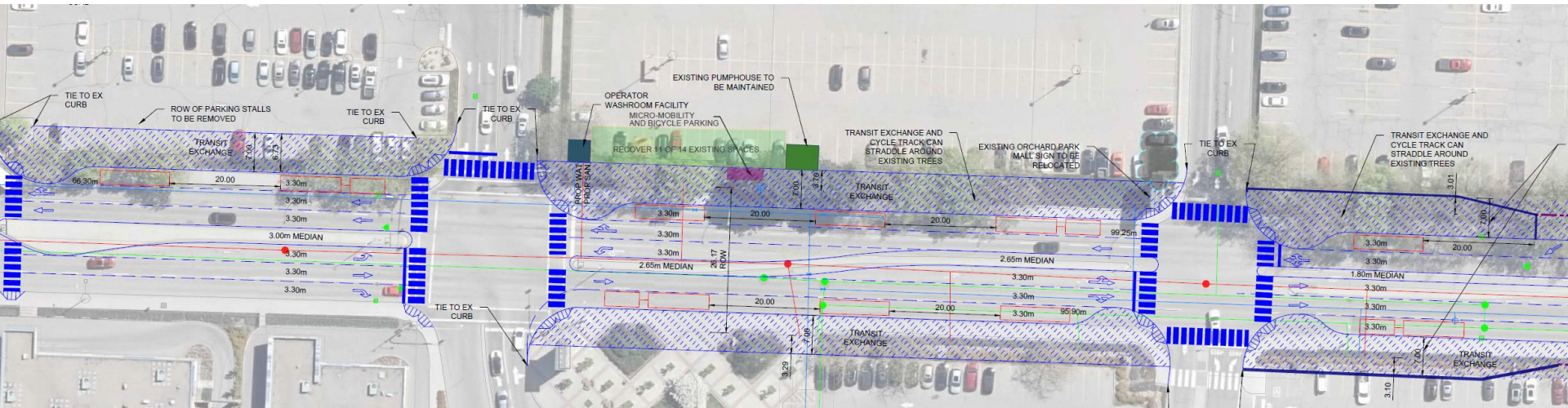
- PLATFORMS ARE CONCRETE ISLANDS/SIDEWALK
- BUS BAY AREAS ARE CONCRETE PAVING
- TYPE 4 SHELTERS ASSUMED AT EACH BUS BAY (LATER DESIGN MAY CONSIDER 1 TYPE 5 IN LIEU OF 2 TYPE 4s TO OPTIMIZE COVERAGE)
- FOR MIDTOWN: 10 SHELTERS WITH MAP DISPLAY AND RECEPTACLE, INCLUDING 5 WITH ADDITIONAL AD PANEL
- SITE LIGHTING ALSO ASSUMED

TO ALLOW FOR ONE ARTICULATED BUS PER ON-STREET CURB ZONE, BUS POSITIONS IN THESE PAIRS OF STOPS MAY FUNCTION BEST AS PULL TOWARDS FRONT SHARED BY TWO + ROUTES

BIKE SHARE/MICROMOBILITY LOCATION TO BE IN LINE NORTH-SOUTH WITH OPERATOR WASHROOM AND PUMPHOUSE. SUBJECT TO PASSENGER CIRCULATION REQUIREMENTS, MAY BE FEASIBLE TO PLACE IT WITHIN 5 M OF WASHROOM BUILDING

Midtown (Orchard Park)

Midtown (Orchard Park)



YLW Transit Hub



Financial Implications

| Facility | Preliminary cost Estimate | Estimated City share (20%) | Target construction period (subject to change) |
|---------------------------|---------------------------|----------------------------|--|
| Rutland Exchange | \$3,000,000 | \$600,000 | 2024/25 |
| Okanagan College Exchange | \$1,240,000 | \$248,000 | 2023/24 |
| Midtown Exchange | \$10,395,000* | \$2,040,000 | 2025-2030 |
| Mission Rec Exchange | \$4,060,000* | \$812,000 | |
| YLW Transit Hub | TBD | TBD | |
| | | \$3,700,000** | |

*Includes 40% contingency + allocations for projected annual inflation impacts.

Next Steps

1. Kelowna City Council approval in principle.
2. Concept, cost refinement/continued stakeholder collaboration.
3. business case development.
4. ICIP application (deadline: March 2023)

Recommendation

THAT Council provide approval in principle for proposed enhancements to various facilities and direct staff to initiate next steps toward advancing select projects to application for Investing in Canada Infrastructure Program funding.



Questions?