

# CAPITAL PROFILE REPORT

PROFILE NAME: **50 STREET CPR GRADE SEPARATION**  
 PROFILE NUMBER: **18-66-6503**  
 DEPARTMENT: **Integrated Infrastructure Services**  
 LEAD BRANCH: **Infrastructure Planning & Design**  
 PROGRAM NAME:  
 PARTNER: **Parks & Roads Services**  
 BUDGET CYCLE: **2015-2018**

**FUNDED**

PROFILE STAGE: **Approved**  
 PROFILE TYPE: **Standalone**  
 LEAD MANAGER: **Pascale Ladouceur**  
 PARTNER MANAGER: **Craig McKeown**  
 ESTIMATED START: **June, 2018**  
 ESTIMATED COMPLETION: **December, 2027**

Service Category: **Roads**

Major Initiative:

<b>GROWTH</b>	<b>RENEWAL</b>
<b>100</b>	

PREVIOUSLY APPROVED:	<b>179,620</b>
BUDGET REQUEST:	-
TOTAL PROFILE BUDGET:	<b>179,620</b>

## PROFILE DESCRIPTION

This rail crossing has been identified as one of the City's priority locations for a grade separation to improve traffic flow along 50 Street. The grade separation includes accommodation for future widening of 50 Street but the widening of the road outside the limits of this project is not included with this project. The City has applied for Federal and Provincial funding for the project, and has received funding commitments from both orders of government. A formal agreement with the Federal government, through the National Trade Corridors Fund, is expected in mid-2018 and is contingent on the City demonstrating a commitment to funding the work.

Separate profiles will be advanced for the replacement and widening of the 50 Street over Sherwood Park Freeway bridge, as well as widening of 50 Street between Sherwood Park Freeway and 76 Avenue.

The work includes land acquisition, design and construction.

Preliminary design is currently ongoing to confirm scope, schedule and budget. The scope, schedule, and budget presented in this profile are based on conceptual level analysis that has been completed to date. Adjustments to scope, schedule, and budget will be required in the future as the process progresses.

## PROFILE BACKGROUND

This rail crossing has been identified as one of the priority locations for grade separation to improve traffic flow along 50 Street. The grade separation includes widening of 50 Street at the underpass, between Sherwood Park Freeway and 90 Avenue.

Replacement and widening of the 50 Street over Sherwood Park Freeway bridge, as well as widening of 50 Street between Sherwood Park Freeway and 76 Avenue will be brought forward as separate profiles.

The City has secured Federal and Provincial funding commitments for the work, and is working towards formal funding agreements which require a commitment from City Council for funding. Preliminary design work is underway.

## PROFILE JUSTIFICATION

The 50 Street railway crossing ranks highly on the City's priority list for grade separation due to high traffic volumes and frequent train blockages. The crossing is adjacent to the CP Lambton yards, resulting in multiple, frequent, irregular, and lengthy train crossing and blockages of 50 Street.

The City has made applications to the Provincial and Federal governments for funding commitments. The Provincial government has earmarked funding for this project, and a Federal commitment through the National Trade Corridors Fund is forthcoming. In order to tap into these funding sources, a commitment to fund the balance of the work from City Council is required.

## STRATEGIC ALIGNMENT

This project aligns with the Way We Move by improving access and mobility for goods and services and commuters. By improving capacity and decreasing congestion, this project will improve Edmontonians' ability to move efficiently through the city.

## ALTERNATIVES CONSIDERED

Railway grade separation is required to eliminate significant traffic delays caused by train blockages. The alternative to grade separation is to maintain the existing roadway infrastructure which has delays due to train blockages of the roadway.

## COST BENEFITS

Tangible benefits include decrease travel time, decreased collision rates, and decreased emissions. Intangible benefits include maintained or improved goods and service movement and improved business and citizen satisfaction with roadway capacity in the area.

## KEY RISKS & MITIGATING STRATEGY

Coordination will be required with CP throughout the project to ensure that operations of the railway line are accommodated during construction. Land acquisition and substantial utility relocations will also be necessary, and should be initiated as soon as possible.

## RESOURCES

The project will require an external Consultant and Contractor to complete design and construction, who will be selected via a competitive process.

## CONCLUSIONS AND RECOMMENDATIONS

That funding for this widening project be approved to grade separate the railway crossing and decrease congestion in the area.

A funding commitment from City Council will allow for execution of a funding agreement with the Federal Government.

Release of \$6.5M of funding immediately will allow for land acquisition to begin, as well as initiation of design work for utility relocations.

## CHANGES TO APPROVED PROFILE

Spring SCBA 2018: (2.1-01) Recent indications are that the City will be successful in obtaining federal funding for the grade separation project. This adjustment is to provide funding to begin land acquisition and utility relocation work in anticipation of a formal funding announcement.

The full funding request will be brought forward to City Council for funding as part of the 2019-22 Capital Budget.

2019 Fall SCBA (3.9.1): The 50 Street CP Rail Grade Separation project was approved for capital funding early in the project development (checkpoint 2 as opposed to checkpoint 3). To take advantage of a time-sensitive grant funding opportunity, the funding request was not fully aligned with Capital Governance Policy C591. The project has since progressed in terms of its level of development, including a more fulsome understanding of the scope, schedule, and budget. With this more complete understanding of the scope and budget, it has been determined that additional funding is required for the project. This request is being made to advance the project to Checkpoint 4 (detailed design), in addition to requesting funding for land, and for early construction works. Revised completion date is December 2024.

2021 Fall SCBA (#21-30, 3.3-2): This recosting adjustment is required to fully fund the "50 Street CPR Grade Separation" project so that it can proceed to the delivery phase. The request for \$42,444,166 of additional budget is required due to an updated estimate for the project, which is based on a more comprehensive design and understanding of all the elements that were originally put forward within the original budget request. Specific increases in estimates relate to increased land costs, utility relocations and the added complexities of working near the CP Rail Yard. Recommended funding for this request is tax-supported debt. There is a potential for additional federal funding becoming available to help offset the total additional budget required. Once the outcome of possible federal funding is known and it is determined that the project is eligible for funding, Administration will reduce the total \$42,444,166 million of additional tax-supported debt by the amount of any additional federal funding received.

2022 April 4 Council Meeting Item 6.1 (BA#22-5): The construction tender was issued in February 2022 and closed on March 11, 2022. The recommended tender bid received was higher than the estimated construction budget, resulting in an overall increase in the project budget to \$179.6 million from \$145.3 million (+23.6 per cent). The estimated completion date for the project would be updated from December 2023 to December 2027.

# CAPITAL PROFILE REPORT

PROFILE NAME: **50 Street CPR Grade Separation**  
 PROFILE NUMBER: **18-66-6503**  
 BRANCH: **Infrastructure Planning & Design**

**FUNDED**  
 PROFILE TYPE: **Standalone**

## CAPITAL BUDGET AND FUNDING SOURCES (000's)

	Prior Years	2022	2023	2024	2025	2026	2027	2028	2029	2030	Beyond 2030	Total	
APPROVED BUDGET	Approved Budget												
	Original Budget Approved	-	-	-	-	-	-	-	-	-	-	-	
	2018 Cap Council	48,900	30,000	7,700	-	-	-	-	-	-	-	86,600	
	2018 Cap Carry Forward	-	-	-	-	-	-	-	-	-	-	-	
	2019 Cap Council	1,993	-6,365	13,194	7,425	27	24	-	-	-	-	16,300	
	2019 Cap Carry Forward	-	-	-	-	-	-	-	-	-	-	-	
	2020 Cap Carry Forward	-	-	-	-	-	-	-	-	-	-	-	
	2021 Cap Council	-	-	-	22,144	20,300	-	-	-	-	-	-	42,444
	2021 Cap Carry Forward	-30,731	30,731	-	-	-	-	-	-	-	-	-	-
	2022 Cap Capital Budget Adj (one-off)	-	8,300	12,285	-898	2,243	9,755	2,590	-	-	-	-	34,276
<b>Current Approved Budget</b>	<b>20,162</b>	<b>62,666</b>	<b>33,180</b>	<b>28,672</b>	<b>22,571</b>	<b>9,779</b>	<b>2,590</b>					<b>179,620</b>	
APPROVED FUNDING SOURCES	Approved Funding Sources												
	Federal Grant	4,758	20,452	14,590	-	-	-	-	-	-	-	39,800	
	Partnership Funding	44	1,331	-	-	-	1,375	-	-	-	-	2,750	
	Pay-As-You-Go	11,614	1,321	866	773	773	773	380	-	-	-	16,500	
	Provincial Grant	3,746	13,089	9,397	2,068	-	-	-	-	-	-	28,300	
	Tax-Supported Debt	-	26,474	8,327	25,831	21,798	7,631	2,210	-	-	-	92,270	
<b>Current Approved Funding Sources</b>	<b>20,162</b>	<b>62,666</b>	<b>33,180</b>	<b>28,672</b>	<b>22,571</b>	<b>9,779</b>	<b>2,590</b>					<b>179,620</b>	

BUDGET REQUEST	Budget Request	-	-	-	-	-	-	-	-	-	-	-
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REVISED BUDGET (IF APPROVED)	Revised Budget (if Approved)	20,162	62,666	33,180	28,672	22,571	9,779	2,590	-	-	-	179,620
	Requested Funding Source											
	Federal Grant	4,758	20,452	14,590	-	-	-	-	-	-	-	39,800
	Partnership Funding	44	1,331	-	-	-	1,375	-	-	-	-	2,750
	Pay-As-You-Go	11,614	1,321	866	773	773	773	380	-	-	-	16,500
	Provincial Grant	3,746	13,089	9,397	2,068	-	-	-	-	-	-	28,300
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## CAPITAL BUDGET BY ACTIVITY TYPE (000's)

	Activity Type	Prior Years	2022	2023	2024	2025	2026	2027	2028	2029	2030	Beyond 2030	Total
REVISED BUDGET (IF APPROVED)	Construction	-13,138	60,166	33,180	28,672	22,571	9,779	2,590	-	-	-	-	143,820
	Design	10,800	-	-	-	-	-	-	-	-	-	-	10,800
	Land	22,500	2,500	-	-	-	-	-	-	-	-	-	25,000
	<b>Total</b>	<b>20,162</b>	<b>62,666</b>	<b>33,180</b>	<b>28,672</b>	<b>22,571</b>	<b>9,779</b>	<b>2,590</b>					<b>179,620</b>

## OPERATING IMPACT OF CAPITAL

Type of Impact:

Branch:													
	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE	
<b>Total Operating Impact</b>	-	-	-	-	-	-	-	-	-	-	-	-	-