

CAPITAL PROFILE REPORT

Profile Page 1

PROFILE NAME: **INFRASTRUCTURE, PLANNING AND DESIGN - COMPOSITE GROWTH**

PROFILE **CM-99-0001**

DEPARTMENT: **Integrated Infrastructure Services**

BRANCH: **Infrastructure Planning and Design**

PROGRAM

LEAD BRANCH: **Infrastructure Planning and Design**

BUDGET CYCLE: **2015-2018**

RECOMMENDED

PROFILE STAGE: **Council Review**

PROFILE TYPE: **Composite**

PROFILE MANAGER: **Jason Meliefste**

LEAD BRANCH MANAGER: **Jason Meliefste**

ESTIMATED START: **May, 2017**

ESTIMATED COMPLETION: **December, 2018**

Service Category: Corporate Support**Major Initiative:****GROWTH****RENEWAL****100****PREVIOUSLY APPROVED:****-****BUDGET REQUEST:****6,590****TOTAL PROFILE BUDGET:****6,590**

PROFILE DESCRIPTION

This capital profile supports preliminary planning and design work on infrastructure capital projects prior to budget approval. This approach is consistent with Administration's implementation of the Project Development & Delivery Model as well as the Capital Governance Policy that was approved by Council. The profile includes 3 infrastructure types: Transportation, Facilities, and Open Spaces.

Funding in the profile will be used to support preliminary planning and design work for the following.

Transportation

Arterial Rural to Urban, Arterial Widening, Arterials (New), Streetscapes, LRT Concept Planning, Miscellaneous and Safety Improvement.

Facilities

Expansion and Renewal of Library Branches & Recreation Facilities, New Fire Station and the addition of Gear Rooms in four Fire Stations, New Golf Course Clubhouse, Expansion and Renewal of one City Operations Maintenance Facility.

Open Space

District, River Valley, School and Community Parks.

PROFILE BACKGROUND

In 2016, the Integrated Infrastructure Services Transformation program developed the Project Development and Delivery Model which has been endorsed by Council. The PDDM is a framework to managing capital infrastructure projects, and aims to achieve the following outcomes:

- (1) Better information to make capital investment decisions.
- (2) Improved project schedule and budget estimates through increased level of design to ensure realistic expectations are set prior to project tendering and construction.
- (3) Systematic evaluation of projects against the initial project business case and scope.

PROFILE JUSTIFICATION

To adhere with the Project Development and Delivery Model, preliminary planning and design should be completed on projects prior to the project's budget being approved in its entirety. This profile funds that work so Administration can provide Council with better information regarding the scope, schedule and budget prior to funding the entire project.

STRATEGIC ALIGNMENT

The Way We Move: Well Maintained Infrastructure, Transportation and Land Use Integration, Sustainability, Access and Mobility, Transportation Mode Shift, Health and Safety, Economic Vitality. The Way We Green. The Way We Live.

ALTERNATIVES CONSIDERED

Planning work for the next budget cycle too late will increase the risk of not meeting the completion schedule and budget. Lack of planning can also lead to increased risk during delivery, increased costs and delays.

COST BENEFITS

Better information to make capital investment decisions:

- Early investment in design to support detailed business cases.
- Structured process to evaluate readiness, scope and prioritization.
- Increased confidence around budget and schedule estimates.
- There is the opportunity to make major changes in project scope if there are problems identified during the early planning and design phases.

KEY RISKS & MITIGATING STRATEGY

A capital project is not approved after spending resources on concept planning and design. Current mitigation is the ongoing reporting to City Council regarding capital priorities while future mitigation could be the improvement to the long term capital planning process.

CAPITAL PROFILE REPORT

RESOURCES

Early investment in design will require reallocation of capital funding to planning and design efforts prior to project-specific approval.

CONCLUSIONS AND RECOMMENDATIONS

Funds are required for planning and design to adhere with the Project Development and Delivery Model, and improve project schedule and budget estimates through increased level of design to ensure realistic expectations are set prior to project tendering and construction.

CAPITAL PROFILE REPORT

PROFILE NAME: **Infrastructure, Planning and Design - Composite Growth****RECOMMENDED**PROFILE NUMBER: **CM-99-0001**PROFILE TYPE: **Composite**BRANCH: **Infrastructure Planning and Design**

CAPITAL BUDGET AND FUNDING SOURCES (000's)

APPROVED BUDGET		Prior Years	2017	2018	2019	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
	Approved Budget												
	Original Budget Approved	-	-	-	-	-	-	-	-	-	-	-	-
	Current Approved Budget	-	-	-	-	-	-	-	-	-	-	-	-

BUDGET REQUEST	Budget Request	-	3,445	3,145	-	-	-	-	-	-	-	-	6,590
	Revised Funding Sources (if approved)												
	Pay-As-You-Go	-	3,445	3,145	-	-	-	-	-	-	-	-	6,590
	Requested Funding Source	-	3,445	3,145	-	-	-	-	-	-	-	-	6,590

REVISED BUDGET (IF APPROVED)	Revised Budget (if Approved)	-	3,445	3,145	-	-	-	-	-	-	-	-	6,590
	Requested Funding Source												
	Pay-As-You-Go	-	3,445	3,145	-	-	-	-	-	-	-	-	6,590
	Requested Funding Source	-	3,445	3,145	-	-	-	-	-	-	-	-	6,590

CAPITAL BUDGET BY ACTIVITY TYPE (000's)

REVISED BUDGET (IF APPROVED)	Activity Type	Prior Years	2017	2018	2019	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
	Design	-	3,445	3,145	-	-	-	-	-	-	-	-	6,590
	Total	-	3,445	3,145	-	-	-	-	-	-	-	-	6,590

OPERATING IMPACT OF CAPITAL

Type of Impact:

Branch:																
	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE
Total Operating Impact	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CAPITAL PROFILE REPORT

Profile Page 1

PROFILE NAME: GLENRIDDING RAVINE LAND ACQUISITION
PROFILE: 17-17-1030
DEPARTMENT: Sustainable Development
BRANCH: City Planning
PROGRAM:
LEAD BRANCH: City Planning
BUDGET CYCLE: 2015-2018

RECOMMENDED

PROFILE STAGE:	Council Review
PROFILE TYPE:	Standalone
PROFILE MANAGER:	Peter Ohm
LEAD BRANCH MANAGER:	Peter Ohm
ESTIMATED START:	June, 2017
ESTIMATED COMPLETION:	August, 2017

Service Category:**Major Initiative:**

GROWTH	RENEWAL
100	

PREVIOUSLY APPROVED:

-

BUDGET REQUEST:

6,422

TOTAL PROFILE BUDGET:

6,422

PROFILE DESCRIPTION

The Glenridding Ravine Neighbourhood Structure Plan (NSP) was approved by City Council in December 2016. This profile proposes to purchase land outside of the neighbourhood boundary, in the adjacent North Saskatchewan River Valley Area Redevelopment Plan boundary, that have been deemed developable based on the criteria set out in the Municipal Government Act. In addition, Administration is seeking approval to pre-purchase lands required for the Highway Penetrator along 170 Street and portions of the remnant lands.

PROFILE BACKGROUND

Administration has been working with area landowners since 2008 to develop the land use structure and guiding principles for the development of the area. Since that time, the Province has introduced the need for a Highway Penetrator along the existing 170 street, significantly impacting the development opportunities in the southern portion of the plan area. In Addition, some parcels in the plan area have a unique topography that has created terraces within the North Saskatchewan River Valley Area Redevelopment Plan boundary. In an effort to maintain the vision for the North Saskatchewan River Valley and Ravine System and preserve the ecological integrity, Administration is seeking approval to purchase the terrace areas.

PROFILE JUSTIFICATION

The profile will allow Administration the ability to negotiate the purchase of four distinct terraces situated in the Whitemud Creek Ravine and land required for the future highway penetrator. The purchase of the ravine terraces will contribute 6.7 hectares of land to the preservation of the Whitemud Creek Ravine in addition to the areas to be acquired as Environmental Reserve at time of subdivision. The land for the highway penetrator will account for 5.4 hectares of land that would otherwise have to be acquired through dedication and purchase as the highway penetrator is developed. The funds required for the portion of road that would otherwise be dedicated, will be reimbursed from the Arterial Roadway Assessment account once the account has received adequate contributions from the benefiting areas.

STRATEGIC ALIGNMENT

This profile expands Edmonton's open space system and provides the land base required to efficiently move people, goods and services through the city enhancing Edmonton's economic vitality in the future.

ALTERNATIVES CONSIDERED

The City could decide not purchase the terrace lands and allow them to develop in accordance with the North Saskatchewan River Valley Bylaw however this would significantly impact the ecological integrity of the Whitemud Creek Ravine System. In addition, the City could wait to acquire the highway penetrator lands and utilize the dedication process initiated at subdivision. This would remove the requirement to pre-purchase the lands for the highway penetrator that would otherwise be dedicated however; the City would still be required to purchase the portion of the highway penetrator that is above the standard arterial road right of way width. Administration could move forward with only purchasing the lands required for the highway penetrator at this time, as there is potential these southerly parcels will not proceed through the subdivision process.

COST BENEFITS

The early purchase of these parcels potentially has a cost savings as the City will not be subject to inflation and escalating land values. These lands currently are not serviced and therefore servicing costs have not been incorporated into the land values. In addition, Administration is proposing to purchase two southerly parcels in their entirety and therefore anticipates additional rate reductions for large parcel purchases.

KEY RISKS & MITIGATING STRATEGY

Risk 1) Not successfully negotiating a purchase agreement would require Administration to bring a profile adjustment with recommendations back for Council's consideration. Risk 2) Land value increases if purchase is delayed however; Administration has completed preliminary work to expedite the purchase. Risk 3) the southerly parcels do not proceed with subdivision or development requiring Administration to evaluate the viability of expropriation of lands required for the highway penetrator.

RESOURCES

This profile requires staff resources from Real Estate and Housing and City Planning Branches for the land acquisition. The profile will be funded from the Parkland Purchase Reserve account for the terrace lands and Pay-As-You-Go for the remainder.

CAPITAL PROFILE REPORT

CONCLUSIONS AND RECOMMENDATIONS

Purchase of the areas identified will allow Administration to continue to assemble lands required for the open space and transportation systems. These purchases strategically meet future land needs while taking advantage of early acquisition opportunities. Administration recommends full funding of the profile.

CAPITAL PROFILE REPORTPROFILE NAME: **Glenridding Ravine Land Acquisition****RECOMMENDED**PROFILE NUMBER: **17-17-1030**PROFILE TYPE: **Standalone**BRANCH: **City Planning****CAPITAL BUDGET AND FUNDING SOURCES (000's)**

APPROVED BUDGET		Prior Years	2017	2018	2019	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
	Approved Budget												
	Original Budget Approved	-	-	-	-	-	-	-	-	-	-	-	-
	Current Approved Budget	-	-	-	-	-	-	-	-	-	-	-	-

BUDGET REQUEST	Budget Request	-	6,422	-	-	-	-	-	-	-	-	-	6,422
	Revised Funding Sources (if approved)												
	Parkland Purchase Reserve	-	4,083	-	-	-	-	-	-	-	-	-	4,083
	Pay-As-You-Go	-	2,339	-	-	-	-	-	-	-	-	-	2,339
	Requested Funding Source	-	6,422	-	-	-	-	-	-	-	-	-	6,422

REVISED BUDGET (IF APPROVED)	Revised Budget (if Approved)	-	6,422	-	-	-	-	-	-	-	-	-	6,422
	Requested Funding Source												
	Parkland Purchase Reserve	-	4,083	-	-	-	-	-	-	-	-	-	4,083
	Pay-As-You-Go	-	2,339	-	-	-	-	-	-	-	-	-	2,339
	Requested Funding Source	-	6,422	-	-	-	-	-	-	-	-	-	6,422

CAPITAL BUDGET BY ACTIVITY TYPE (000's)

REVISED BUDGET (IF APPROVED)	Activity Type	Prior Years	2017	2018	2019	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
	Land	-	6,422	-	-	-	-	-	-	-	-	-	6,422
	Total	-	6,422	-	-	-	-	-	-	-	-	-	6,422

OPERATING IMPACT OF CAPITAL

Type of Impact:

Branch:																
	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE
Total Operating Impact	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CAPITAL PROFILE REPORT

Profile Page 1

PROFILE NAME:	EDMONTON SOCCER ASSOCIATION SOUTH SOCCER CENTRE EXPANSION	RECOMMENDED
PROFILE	17-21-1000	PROFILE STAGE: Council Review
DEPARTMENT:	Community Services	PROFILE TYPE: Standalone
BRANCH:	Community & Recreation Facilities	PROFILE MANAGER: Roger Jevne
PROGRAM		LEAD BRANCH MANAGER: Roger Jevne
LEAD BRANCH:	Community & Recreation Facilities	ESTIMATED START: May, 2017
BUDGET CYCLE:	2015-2018	ESTIMATED COMPLETION: December, 2018

Service Category: Recreation & Culture

Major Initiative:

GROWTH	RENEWAL
100	

PREVIOUSLY APPROVED:

-

BUDGET REQUEST:

2,000

TOTAL PROFILE BUDGET:

2,000

PROFILE DESCRIPTION

Expansion of the existing South Indoor Soccer Centre, owned by the City but operated by Edmonton Soccer Association ("ESA"), by adding a new adjacent facility on the existing site containing two additional fields. Initial schematic design for the expansion was funded by ESA and is now complete. The next phase of work will be detailed design to be followed by the construction phase of this profile.

PROFILE BACKGROUND

A conceptual design phase has been completed by BR2 Architecture. A preliminary cost estimate has been provided at \$21.52 million (including design fees). Concept plan for the project is being reviewed by the City. Once approval is confirmed, detailed design can begin to confirm the design and cost estimates for the project.

PROFILE JUSTIFICATION

The need has arisen primarily due to the recent and projected growth in youth teams' soccer registrations and the popularity of a ball hockey winter program that started in 2013 using field 6 in the East Indoor Soccer Centre. By 2019, at the latest, the Indoor Soccer Centres would have to end the use of Field 6 and convert back to soccer use at a time when Ball Hockey and other concrete sports groups would instead wish to double their winter programs. There is also unmet demand for more hours for use by senior teams for practices, coaching and referee clinics for the youth, and tryouts by each EMSA Zone.

STRATEGIC ALIGNMENT

The new facility will continue to be aligned with the City of Edmonton RFMP and other strategic policies & will be a multi sport facility with public access, designed to meet the requirements of applicable City policies such as EDC, Leed & % for Art.

ALTERNATIVES CONSIDERED

Build a new 4 field facility in suburban southwest: The utilization statistics do not support a need for 4 additional fields. In particular the summer months are underutilized in the existing 3 indoor facilities.

Build a new 2 field facility in suburban southwest: Since this would be a new standalone facility construction costs would be higher as using existing south Centre takes advantage of existing access roads, service roads and utilities as well as amenities such as office, meeting rooms, concession and lounge. No land has been identified by the City for such a project at this time.

Explore opportunity to build 2 fields at Rexall Place: Council recently directed Administration to explore alternatives for Rexall Place which could increase space available for Indoor soccer or ball hockey instead.

COST BENEFITS

Edmonton Soccer will repay \$ 9.5 million (plus interest) of the capital through a 20 year repayment plan.

KEY RISKS & MITIGATING STRATEGY

Capital Costs exceed projections: partnership with ESA and staged approval process with COE to ensure project remains on track and within budget.

Operating Revenue assumptions not achieved / Operating Expenses Underestimated: existing leases on current facilities begin to expire in 2023 releasing additional funds for ESA to cover revenue shortfalls or operating expense overruns.

RESOURCES

All procurement processes will adhere to the City's Procurement of Goods, Services and Construction directive. The facility will be operated by ESA.

CAPITAL PROFILE REPORT

CONCLUSIONS AND RECOMMENDATIONS

The project will allow Soccer to grow, add coaching and referee clinics, expand the number of tryouts, and offer significantly expanded practice hours for teams. The project will allow Ball Hockey to operate a winter program from 2018 using two concrete fields instead of one, which will significantly increase their winter program and increase availability for other groups like In-Line and Lacrosse. Ball Hockey's use of ESA facilities contribute over \$400,000 / year in revenue.

All these objectives will be met without creating significant financial burden to ESA's continued operation of all the Indoor Soccer Centres.

CAPITAL PROFILE REPORT

PROFILE NAME: **Edmonton Soccer Association South Soccer Centre Expansion****RECOMMENDED**PROFILE NUMBER: **17-21-1000**PROFILE TYPE: **Standalone**BRANCH: **Community & Recreation Facilities**

CAPITAL BUDGET AND FUNDING SOURCES (000's)

APPROVED BUDGET		Prior Years	2017	2018	2019	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
	Approved Budget												
	Original Budget Approved	-	-	-	-	-	-	-	-	-	-	-	-
	Current Approved Budget	-	-	-	-	-	-	-	-	-	-	-	-

BUDGET REQUEST	Budget Request	-	1,098	902	-	-	-	-	-	-	-	-	2,000
	Revised Funding Sources (if approved)												
	Enterprise Reserve	-	1,098	902	-	-	-	-	-	-	-	-	2,000
	Requested Funding Source	-	1,098	902	-	-	-	-	-	-	-	-	2,000

REVISED BUDGET (IF APPROVED)	Revised Budget (if Approved)	-	1,098	902	-	-	-	-	-	-	-	-	2,000
	Requested Funding Source												
	Enterprise Reserve	-	1,098	902	-	-	-	-	-	-	-	-	2,000
	Requested Funding Source	-	1,098	902	-	-	-	-	-	-	-	-	2,000

CAPITAL BUDGET BY ACTIVITY TYPE (000's)

REVISED BUDGET (IF APPROVED)	Activity Type	Prior Years	2017	2018	2019	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
	Design	-	1,098	902	-	-	-	-	-	-	-	-	2,000
	Total	-	1,098	902	-	-	-	-	-	-	-	-	2,000

OPERATING IMPACT OF CAPITAL

Type of Impact:

Branch:																
	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE
Total Operating Impact	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CAPITAL PROFILE REPORT

Profile Page 1

PROFILE NAME: **FORT EDMONTON PARK - UTILITIES & ENHANCEMENTS****FUNDED**PROFILE **15-21-6973**PROFILE STAGE: **Post Budget Approval**DEPARTMENT: **Community Services**PROFILE TYPE: **Standalone**BRANCH: **Community & Recreation Facilities**PROFILE MANAGER: **Rob Smyth**

PROGRAM

LEAD BRANCH MANAGER: **Rob Smyth**LEAD BRANCH: **Community Strategies & Development**ESTIMATED START: **January, 2015**BUDGET CYCLE: **2015-2018**ESTIMATED COMPLETION: **December, 2021**Service Category: **Recreation & Culture**

Major Initiative:

GROWTH**RENEWAL****100**

PREVIOUSLY APPROVED:

70,759

BUDGET REQUEST:

91,295

TOTAL PROFILE BUDGET:

162,053

PROFILE DESCRIPTION

This profile addresses the repair, replacement and upgrade of utility infrastructure at Fort Edmonton Park. A comprehensive Utility Assessment was completed in 2010 followed by a Utility Master Plan in 2011. Water, power, gas storm and sanitary sewer are all close to the end of their life cycle. The sanitary sewer lines are undersized and need significant maintenance to stay operational. The watermain service is inadequate to provide sufficient flow for fire prevention.

(updated May 9, 2017) Fort Edmonton Management Company (Company) has a number of major new attractions planned for Fort Edmonton Park. This profile as the next phase will seek approval of the new attractions that include the 1920's Midway expansion, Indigenous People's Experience, new front end ticketing entry and guest relations building, hotel expansion (Windsor/Albion Block, retail development, aviation experience, Chinese Laundry and Union cafe, parking and wayfinding and warehouse (artifacts experience).

PROFILE BACKGROUND

Fort Edmonton Park opened in 1974 to provide visitors with a living history experience. After 44 years and confirmation through the 2010 Utility Assessment report, the utilities are at the end of their life-cycle and need replacement. Future development in the park will place a strain on the aging infrastructure. The responsibility for the utility services remains the City of Edmonton's responsibility.

(updated May 9, 2017) Fort Edmonton Park is guided by its master plan, first developed and approved by City Council in 1988. City Council provided approval to the more recent master plan, updated in 2010. The plan calls for the re-creation of historic buildings. The Fort Edmonton Management Company has a number of new projects scheduled to get underway. The City maintains the responsibility for the Park's infrastructure requirements. This profile will provide funding for capital development within Fort Edmonton Park by bringing all the new utility requirements to support the implementation of the Park's approved master plan.

PROFILE JUSTIFICATION

Fort Edmonton Park's utility infrastructure was installed in the early 1970s. With system failures occurring on a regular basis, a comprehensive Utility Assessment was completed in 2010. The utilities were identified to be at the end of their life cycle and in need of upgrading to support current and future activities as well as new development at the Fort.

(updated May 9, 2017) The projects initiated by Fort Edmonton Management Company will continue the implementation of the master plan for Fort Edmonton Park that was approved by City Council in 2010. These new attractions will grow the Park's attendance and provide new experiences for visitors. The Indigenous People's Experience is a high priority project to be completed in the early stages of development of the master plan. As this attraction is in a new area of the park, utilities will need to be brought in to support its development.

STRATEGIC ALIGNMENT

The project supports "The Way We Live".

- Citizens use Fort Edmonton Park as a destination to learn and live Edmonton's history. The Park and facilities, programs and services provide enjoyment and personal health benefits.

ALTERNATIVES CONSIDERED

Options include:

- a) Break the project into smaller phases. Finding a contractor to take on a smaller scope of work will be difficult.
- b) Do nothing and repair lines as they fail. This will cause significant disruption to the Park.

COST BENEFITS

Tangible benefits - utility replacement will ensure the Park's heritage buildings are preserved, Park remains operational, visitors have a safe and reliable destination, maintenance costs decrease.

Intangible benefits - if perception is that a facility has reliable infrastructure, visitors will come & generate revenue. Continual disruptions erode public confidence in the facility.

Cost: is estimated at \$33.430M with a 30% contingency included.

CAPITAL PROFILE REPORT

KEY RISKS & MITIGATING STRATEGY

A preliminary risk analysis has been completed. The risk management framework will be applied to all aspects and will continue to develop and evolve as the project is defined.

RESOURCES

All procurement processes will adhere to Administrative Directive Purchasing of Goods and Services Construction. The project will be operated by the City. Community Services will follow the Human Resource Management policies and guidelines.

CONCLUSIONS AND RECOMMENDATIONS

With the utilities near the end of their life-cycle, the infrastructure replacement is required to maintain a safe and viable operation. The recommendation is replace all the utility infrastructure by 2020.

CAPITAL PROFILE REPORT

PROFILE NAME: **Fort Edmonton Park - Utilities & Enhancements****FUNDED**PROFILE NUMBER: **15-21-6973**PROFILE TYPE: **Standalone**BRANCH: **Community & Recreation Facilities**

CAPITAL BUDGET AND FUNDING SOURCES (000's)

		Prior Years	2017	2018	2019	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
APPROVED BUDGET	Approved Budget												
	Original Budget Approved	2,455	4,956	26,020	29,888	7,440	-	-	-	-	-	-	70,759
	2015 Cap Carry Forward	-	-	-	-	-	-	-	-	-	-	-	-
	2016 Cap Capital Budget Adj (one-off)	-	-	-	-	-	-	-	-	-	-	-	-
	2016 Cap Carry Forward	-975	975	-	-	-	-	-	-	-	-	-	-
	Current Approved Budget	1,480	5,931	26,020	29,888	7,440	-	-	-	-	-	-	70,759
	Approved Funding Sources												
	Munc Sustain. Initiative - MSI	1,402	5,269	23,128	27,196	6,696	-	-	-	-	-	-	63,690
	Pay-As-You-Go	78	662	2,892	2,692	744	-	-	-	-	-	-	7,068
	Current Approved Funding Sources	1,480	5,931	26,020	29,888	7,440	-	-	-	-	-	-	70,759

BUDGET REQUEST	Budget Request	-	7,819	18,330	31,713	30,150	3,283	-	-	-	-	-	91,295
	Revised Funding Sources (if approved)												
	Federal Infrastructure Grants	-	5,000	9,290	16,033	16,972	-	-	-	-	-	-	47,295
	Munc Sustain. Initiative - MSI	-	-2,681	-	-102	-	2,783	-	-	-	-	-	-
	Other Grants - Federal	-	500	-	-	-	-	-	-	-	-	-	500
	Partnership Funding	-	-	-	-	10,000	-	-	-	-	-	-	10,000
	Pay-As-You-Go	-	-	-250	-250	-	500	-	-	-	-	-	-
	Provincial Grant	-	5,000	9,290	16,033	3,178	-	-	-	-	-	-	33,500
	Requested Funding Source	-	7,819	18,330	31,713	30,150	3,283	-	-	-	-	-	91,295

REVISED BUDGET (IF APPROVED)	Revised Budget (if Approved)	1,480	13,750	44,350	61,601	37,590	3,283	-	-	-	-	-	162,053
	Requested Funding Source												
	Federal Infrastructure Grants	-	5,000	9,290	16,033	16,972	-	-	-	-	-	-	47,295
	Munc Sustain. Initiative - MSI	1,402	2,588	23,128	27,094	6,696	2,783	-	-	-	-	-	63,690
	Other Grants - Federal	-	500	-	-	-	-	-	-	-	-	-	500
	Partnership Funding	-	-	-	-	10,000	-	-	-	-	-	-	10,000
	Pay-As-You-Go	78	662	2,642	2,442	744	500	-	-	-	-	-	7,068
	Provincial Grant	-	5,000	9,290	16,033	3,178	-	-	-	-	-	-	33,500
	Requested Funding Source	1,480	13,750	44,350	61,601	37,590	3,283	-	-	-	-	-	162,053

CAPITAL BUDGET BY ACTIVITY TYPE (000's)

	Activity Type	Prior Years	2017	2018	2019	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
REVISED BUDGET (IF APPROVED)	Construction	1,480	13,750	44,350	61,601	37,590	3,283	-	-	-	-	-	162,053
	Total	1,480	13,750	44,350	61,601	37,590	3,283	-	-	-	-	-	162,053

OPERATING IMPACT OF CAPITAL

Type of Impact:

Branch:																
	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE
Total Operating Impact	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CAPITAL PROFILE REPORT

PROFILE NAME:	LEWIS FARMS COMMUNITY RECREATION CENTRE AND LIBRARY	FUNDED
PROFILE	15-21-5785	PROFILE STAGE: Post Budget Approval
DEPARTMENT:	Community Services	PROFILE TYPE: Standalone
BRANCH:	Community & Recreation Facilities	PROFILE MANAGER: Rob Smyth
PROGRAM		LEAD BRANCH MANAGER: Rob Smyth
LEAD BRANCH:	Community & Recreation Facilities	ESTIMATED START: January, 2015
BUDGET CYCLE:	2015-2018	ESTIMATED COMPLETION: September, 2019

Service Category:	Recreation & Culture	Major Initiative:	
GROWTH	RENEWAL	PREVIOUSLY APPROVED:	3,700
100		BUDGET REQUEST:	17,720
		TOTAL PROFILE BUDGET:	21,420

PROFILE DESCRIPTION

Development of a community recreation centre at Lewis Farms District Park including a training aquatic venue, fitness centre, gymnasium, multipurpose spaces, twin arenas, access and parking. In December 2014 Council approved the following amendment to the 2015-2018 Capital Budget: That Capital Profile Lewis Farms Community Recreation Centre #15-21-5785 be added and funded in the amount of \$3.5 million to fund schematic design of the Lewis Farms Community Recreation Centre and the Lewis Estates Library, with funding from an increase in PAYG.

(update May 9, 2017) Following the schematic design of the Lewis Farms Community Recreation Centre and the Lewis Estates Library, the next phase is to complete the design of the recreation centre, library, and district park. This profile will also include phases for the purchase of the property required as well as construction and related costs for the recreation centre, library and district park.

PROFILE BACKGROUND

Council approved Recreation Facility Master Plan and Medium Term Recreation Facility and Sports Field Plan recommendations include the development of a community recreation centre on Lewis Farms District Park in the west suburban growth area of the city.

In December 2014 Council approved the following amendment to the 2015-2018 Capital Budget: That Capital Profile Lewis Farms Community Recreation Centre #15-21-5785 be added and funded in the amount of \$3.5 million to fund schematic design of the Lewis Farms Community Recreation Centre and the Lewis Estates Library, with funding from an increase in PAYG.

(update May 9, 2017) The Edmonton Catholic School Board is a contributing partner in developing portions of this project

PROFILE JUSTIFICATION

Supports the Way's plans and outcomes; integrates with Recreation Facility Master Plan, 10-Year Arena Capital Strategy, and Medium Term Recreation Facility Plan; increases program opportunities in suburban growth area of city.

STRATEGIC ALIGNMENT

The project supports corporate goals and outcomes including The Way We Live: Improving Edmonton's Livability; The Way We Grow: Transforming Edmonton's Urban Form and The Way We Prosper: Diversifying Edmonton's Economy and the Infrastructure Strategy.

ALTERNATIVES CONSIDERED

Alternatives were explored through the development of the Recreation Facility Master Plan, Medium Term Recreation Facility and Sports Field Plan, and the 2011 Functional Program Study for Lewis Farms.

COST BENEFITS

Citizens will have access to and benefit from programs and services that provide enjoyment and personal health benefits. Attendance generated by the Centre will increase overall participation in recreation facilities. Edmonton's quality of life and livability benefits from physical, sport, leisure, cultural and recreation opportunities and activities for all ages and abilities.

KEY RISKS & MITIGATING STRATEGY

A preliminary risk analysis has been completed. The risk management framework will be applied to all aspects of the project and will continue to be develop and evolve as the project and potential partnerships are defined.

RESOURCES

The City of Edmonton seeks to purchase goods, services and construction fairly and based on best value. Community and Recreation Facilities will follow Human Resource Management policies and procedures for engagement, training and retention of staff.

CONCLUSIONS AND RECOMMENDATIONS

Lewis Farms Community Recreation Centre is envisioned to be a welcoming, vibrant, dynamic place that serves the west catchment area and aquatic sport users as identified in the Council approved Recreation Facility Master Plan and Medium Term Plan.

CAPITAL PROFILE REPORT

CHANGES TO APPROVED PROFILE

In December 2014 Council approved the following amendment to the 2015-2018 Capital Budget: That Capital Profile Lewis Farms Community Recreation Centre #15-21-5785 be added and funded in the amount of \$3.5 million to fund schematic design of the Lewis Farms Community Recreation Centre and the Lewis Estates Library, with funding from an increase in PAYG.

2015 Fall SCBA (CA#40): (3.4.6) To record additional \$200k funding received in 2015. This is the Edmonton Catholic School Division contribution to completion of schematic design.

CAPITAL PROFILE REPORTPROFILE NAME: **Lewis Farms Community Recreation Centre and Library****FUNDED**PROFILE NUMBER: **15-21-5785**PROFILE TYPE: **Standalone**BRANCH: **Community & Recreation Facilities****CAPITAL BUDGET AND FUNDING SOURCES (000's)**

		Prior Years	2017	2018	2019	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
APPROVED BUDGET	Approved Budget												
	Original Budget Approved	3,500	-	-	-	-	-	-	-	-	-	-	3,500
	2015 Cap Council	200	-	-	-	-	-	-	-	-	-	-	200
	2015 Cap Carry Forward	-	-	-	-	-	-	-	-	-	-	-	-
	2016 Cap Capital Budget Adj (one-off)	-	-	-	-	-	-	-	-	-	-	-	-
	2016 Cap Carry Forward	-1,992	1,992	-	-	-	-	-	-	-	-	-	-
	Current Approved Budget	1,708	1,992	-	-	-	-	-	-	-	-	-	3,700
	Approved Funding Sources												
	Partnership Funding	200	-	-	-	-	-	-	-	-	-	-	200
	Pay-As-You-Go	1,508	1,992	-	-	-	-	-	-	-	-	-	3,500
	Current Approved Funding Sources	1,708	1,992	-	-	-	-	-	-	-	-	-	3,700

BUDGET REQUEST	Budget Request	-	4,740	8,860	4,120	-	-	-	-	-	-	-	17,720
	Revised Funding Sources (if approved)												
	Partnership Funding	-	928	-	-	-	-	-	-	-	-	-	928
	Tax-Supported Debt	-	3,812	8,860	4,120	-	-	-	-	-	-	-	16,792
	Requested Funding Source	-	4,740	8,860	4,120	-	-	-	-	-	-	-	17,720

REVISED BUDGET (IF APPROVED)	Revised Budget (if Approved)	1,708	6,732	8,860	4,120	-	-	-	-	-	-	-	21,420
	Requested Funding Source												
	Partnership Funding	200	928	-	-	-	-	-	-	-	-	-	1,128
	Pay-As-You-Go	1,508	1,992	-	-	-	-	-	-	-	-	-	3,500
	Tax-Supported Debt	-	3,812	8,860	4,120	-	-	-	-	-	-	-	16,792
	Requested Funding Source	1,708	6,732	8,860	4,120	-	-	-	-	-	-	-	21,420

CAPITAL BUDGET BY ACTIVITY TYPE (000's)

	Activity Type	Prior Years	2017	2018	2019	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
REVISED BUDGET (IF APPROVED)	Design	1,708	6,732	8,860	4,120	-	-	-	-	-	-	-	21,420
	Total	1,708	6,732	8,860	4,120	-	-	-	-	-	-	-	21,420

OPERATING IMPACT OF CAPITAL

Type of Impact: Interdepartmental, Material & Equipment, Personnel, Revenue

Branch:	2017				2018				2019				2020			
	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE
Community & Recreation Facilities	-	765	765	-	3,892	4,594	702	-	-519	107	626	-	-	108	108	-
Facility and Landscape Infrastructure	-	-	-	-	-	-	-	-	-	2,945	2,945	-	-	-	-	-
Total Operating Impact	-	765	765	-	3,892	4,594	702	-	-519	3,052	3,571	-	-	108	108	-

CAPITAL PROFILE REPORT

Profile Page 1

PROFILE NAME: TRAFFIC SIGNALS - PEDESTRIAN/VEHICLE SAFETY
PROFILE: CM-66-2520
DEPARTMENT: Transportation Services
BRANCH: Transportation Operations
PROGRAM:
LEAD BRANCH: Transportation Operations
BUDGET CYCLE: 2015-2018

FUNDED

PROFILE STAGE: Post Budget Approval
PROFILE TYPE: Composite
PROFILE MANAGER: Gord Cebryk
LEAD BRANCH MANAGER: Gord Cebryk
ESTIMATED START: January, 2015
ESTIMATED COMPLETION: December, 2018

Service Category: Roads**Major Initiative:****GROWTH****RENEWAL**

100

PREVIOUSLY APPROVED:

14,908

BUDGET REQUEST:

4,800

TOTAL PROFILE BUDGET:

19,708

PROFILE DESCRIPTION

This profile provides funding for the installation of new traffic signals, pedestrian activated signals, cross walks, and signal enhancements such as left turn arrows and vehicle detection.

PROFILE BACKGROUND

Traffic and pedestrian signals are a critical component of the Transportation infrastructure to facilitate safe and efficient flow of vehicle and pedestrian traffic. Population growth and other demographic factors result in an increasing demand on the Transportation network, which require that the infrastructure be in optimal working condition to ensure the safe and efficient movement of goods and people. Traffic signals are installed based on warrant guidelines to facilitate efficient flow of vehicle traffic towards preventing and relieving congestion in specified areas. As traffic patterns change, traffic signals are required to safely manage traffic and provide safe crossing and mobility opportunities for pedestrians.

PROFILE JUSTIFICATION

Traffic and pedestrian signals are installed based on warrant guidelines to facilitate efficient flow of vehicle traffic while preventing congestion in specified areas. Traffic and pedestrian signals also provide safe crossing and mobility opportunities for pedestrians.

STRATEGIC ALIGNMENT

This profile is in support of the following corporate outcomes: Edmonton is a Safe City: Edmontonians use public modes and active modes of transportation

ALTERNATIVES CONSIDERED

Alternatives include partial funding or no funding. These alternatives will restrict the number of installations implemented towards improving vehicle and pedestrian safety.

COST BENEFITS

Tangible: reduced risk of collisions, new infrastructure at warranted locations such as in newly developed areas and locations of lengthy wait times.

Intangible benefits: efficient movement of goods and people, reduced environmental impacts from vehicle idling (gas emissions), enhanced public safety, efficient traffic management processes, reduced volume and severity of collisions, fatalities, and infrastructure damages.

KEY RISKS & MITIGATING STRATEGY

Population growth and other demographic factors result in an increasing demand on the Transportation network. Sufficient funding should be provided to implement the appropriate infrastructure to meet the demand.

RESOURCES

Permanent resources to implement this program are currently available. Additional resources that may be required will be assessed in conjunction with the capital investment and project plans.

CONCLUSIONS AND RECOMMENDATIONS

It is recommended that this program continues as a permanent addition to the City's capital investment portfolio and be sufficiently funded given the beneficial value that is generated to multiple key stakeholders.

CAPITAL PROFILE REPORT

CHANGES TO APPROVED PROFILE

#15-03: March 3, 2015 Council Minutes Item 6.18 Pedestrian Safety - Traffic Signal Funding Options (Motion Carried)
Council directed Administration to provide capital profiles on Sept 22, 2015 relating to the Joint Road Traffic Safety Strategy - Education, Engineering, Enforcement, Evaluation and Engagement Report.

PENDING APPROVAL FROM CITY COUNCIL:

Scope Change resulting from a Council request, outlined in report CR_3963 to be presented March, 2017. Profile scope to include railway grade crossing signals and enhancements, including costs to bring the crossings into compliance for whistle cessation.

CAPITAL PROFILE REPORTPROFILE NAME: **Traffic Signals - Pedestrian/Vehicle Safety****FUNDED**PROFILE NUMBER: **CM-66-2520**PROFILE TYPE: **Composite**BRANCH: **Transportation Operations****CAPITAL BUDGET AND FUNDING SOURCES (000's)**

		Prior Years	2017	2018	2019	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
APPROVED BUDGET	Approved Budget												
	Original Budget Approved	-	-	-	-	-	-	-	-	-	-	-	-
	2015 Cap Capital Budget Adj (one-off)	6,908	4,000	4,000	-	-	-	-	-	-	-	-	14,908
	2015 Cap Carry Forward	-	-	-	-	-	-	-	-	-	-	-	-
	2016 Cap Capital Budget Adj (one-off)	-	-	-	-	-	-	-	-	-	-	-	-
	2016 Cap Carry Forward	-1,059	1,059	-	-	-	-	-	-	-	-	-	-
	Current Approved Budget	5,849	5,058	4,000	-	-	-	-	-	-	-	-	14,908
	Approved Funding Sources												
	Traffic Safety Automated Enfmt Resrv	5,849	5,058	4,000	-	-	-	-	-	-	-	-	14,908
	Current Approved Funding Sources	5,849	5,058	4,000	-	-	-	-	-	-	-	-	14,908

BUDGET REQUEST	Budget Request	-	2,000	2,800	-	-	-	-	-	-	-	-	4,800
	Revised Funding Sources (if approved)												
	Traffic Safety Automated Enfmt Resrv	-	2,000	2,800	-	-	-	-	-	-	-	-	4,800
	Requested Funding Source	-	2,000	2,800	-	-	-	-	-	-	-	-	4,800

REVISED BUDGET (IF APPROVED)	Revised Budget (if Approved)	5,849	7,058	6,800	-	-	-	-	-	-	-	-	19,708
	Requested Funding Source												
	Traffic Safety Automated Enfmt Resrv	5,849	7,058	6,800	-	-	-	-	-	-	-	-	19,708
	Requested Funding Source	5,849	7,058	6,800	-	-	-	-	-	-	-	-	19,708

CAPITAL BUDGET BY ACTIVITY TYPE (000's)

	Activity Type	Prior Years	2017	2018	2019	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
REVISED BUDGET (IF APPROVED)	Construction	5,738	7,003	6,744	-	-	-	-	-	-	-	-	19,484
	Design	111	56	56	-	-	-	-	-	-	-	-	223
	Total	5,849	7,058	6,800	-	-	-	-	-	-	-	-	19,708

OPERATING IMPACT OF CAPITAL

Type of Impact:

Branch:	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE
Total Operating Impact	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CAPITAL PROFILE REPORT

Profile Page 1

PROFILE NAME: BONNIE DOON POOL REHABILITATION
PROFILE: 17-99-2010
DEPARTMENT: Community Services
BRANCH: Facility and Landscape Infrastructure
PROGRAM:
LEAD BRANCH: Facility and Landscape Infrastructure
BUDGET CYCLE: 2015-2018

RECOMMENDED

PROFILE STAGE: Council Review
PROFILE TYPE: Standalone
PROFILE MANAGER: Jorge Castellanos
LEAD BRANCH MANAGER: Jorge Castellanos
ESTIMATED START: May, 2017
ESTIMATED COMPLETION: December, 2018

Service Category: Building Renewal**Major Initiative:****GROWTH****RENEWAL**

100

PREVIOUSLY APPROVED:

-

BUDGET REQUEST:

9,706

TOTAL PROFILE BUDGET:

9,706

PROFILE DESCRIPTION

This profile provides funding to complete major rehabilitation work at Bonnie Doon Pool. Scope of work includes upgrades to and/or replacements of the buildings major structural, mechanical and electrical components as well as site improvements.

PROFILE BACKGROUND

The Bonnie Doon Pool building rehabilitation was identified in the Building Facilities Rehabilitation Composite Profile (CM-75-0100). Additional scope was identified by the Energy Management group to improve energy efficiency which will be funded from the Facility Energy Retrofits and Greenhouse Gas Reduction Profile (15-75-3102). The partner group is contributing \$100K from the Safety and Security Composite profile (CM-21-5771) to address critical safety and security upgrades to cashroom.

Due to the scope of the project being over \$5M and multiple sources of funding, an adjustment is required to allocate funds to its own profile.

PROFILE JUSTIFICATION

Bonnie Doon Pool is a centre for fun, fitness and family atmosphere located in mature Bonnie Doon neighbourhood. The facility is a one storey facility comprising change rooms, administration offices and the main swimming pool area. Several renovations to the building which have occurred between 1987 and 2010 including upgrades to the main entry, locker room, fire alarm and mechanical systems. There has also been building additions for the whirlpool.

The City engaged Stantec Consulting Ltd. (2012) and Bennet Architecture Inc. (2016) to perform a building condition assessment. In 20016 Bennet Architecture was engaged to provide more current assessment as building conditions had changed since the initial report. The report identified several deficiencies to major building components, including site improvements and provided detailed recommendation to address the deficiencies. This profile provides the necessary funding required to complete the recommended work.

STRATEGIC ALIGNMENT

This reinvestment strategy supports the City's strategic plans, the Way Ahead; integrates the Recreation Facility Master Plan; aligns with Infrastructure Strategy; increases program opportunities; and keeps mature neighbourhoods lively & vibrant.

ALTERNATIVES CONSIDERED

Excess, underutilized, and obsolete facilities constitute a drain on the City's capital renewal budget in costs and in forgone opportunities to invest in the maintenance and repair of facilities and to reduce energy use, water use, and greenhouse gas emissions.

To manage and mitigate the risks posed by the ownership of older and obsolete facilities, do the following:

- Systematically dispose of excess and underutilized facilities.
- Pursue a proactive strategy to minimize their total facilities "footprint."
- Link maintenance and repair activities to the organization's business or mission and set priorities among them.
- Correlate the effects of systems-related failures with the business or mission.
- Correlate delays in timely maintenance and repair with sustainment cost.

COST BENEFITS

Tangible Benefits: Improved Reliability, improved productivity, and fewer accidents and injuries.

Intangible Benefits: Customer satisfaction and improved public image.

KEY RISKS & MITIGATING STRATEGY

As facilities deteriorate, their components and systems age and will fail. Failure of these systems poses various risks on the users of the facility and the lack of rehabilitation activities can lead to the closure of the facility.

RESOURCES

This will project will be manage by Facility Infrastructure Delivery group of the Infrastructure Delivery Branch.

CAPITAL PROFILE REPORT

CONCLUSIONS AND RECOMMENDATIONS

Renewing City facilities is vital to ensure continual operation. Since the project cost exceeds \$5M coming from 3 sources of funding, a standalone profile is required.

CAPITAL PROFILE REPORT

PROFILE NAME: **Bonnie Doon Pool Rehabilitation**
 PROFILE NUMBER: **17-99-2010**
 BRANCH: **Facility and Landscape Infrastructure**

RECOMMENDEDPROFILE TYPE: **Standalone****CAPITAL BUDGET AND FUNDING SOURCES (000's)**

APPROVED BUDGET		Prior Years	2017	2018	2019	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
	Approved Budget												
	Original Budget Approved	-	-	-	-	-	-	-	-	-	-	-	-
	Current Approved Budget	-	-	-	-	-	-	-	-	-	-	-	-
BUDGET REQUEST	Budget Request	-	5,737	3,969	-	-	-	-	-	-	-	-	9,706
	Revised Funding Sources (if approved)												
	Munc Sustain. Initiative - MSI	-	3,825	3,348	-	-	-	-	-	-	-	-	7,173
	Pay-As-You-Go	-	1,912	621	-	-	-	-	-	-	-	-	2,533
REVISED BUDGET (IF APPROVED)	Requested Funding Source	-	5,737	3,969	-	-	-	-	-	-	-	-	9,706
	Revised Budget (if Approved)	-	5,737	3,969	-	-	-	-	-	-	-	-	9,706
	Requested Funding Source												
	Munc Sustain. Initiative - MSI	-	3,825	3,348	-	-	-	-	-	-	-	-	7,173
REVISED BUDGET (IF APPROVED)	Pay-As-You-Go	-	1,912	621	-	-	-	-	-	-	-	-	2,533
	Requested Funding Source	-	5,737	3,969	-	-	-	-	-	-	-	-	9,706

CAPITAL BUDGET BY ACTIVITY TYPE (000's)

REVISED BUDGET (IF APPROVED)	Activity Type	Prior Years	2017	2018	2019	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
	Construction	-	5,737	3,969	-	-	-	-	-	-	-	-	9,706
	Total	-	5,737	3,969	-	-	-	-	-	-	-	-	9,706

OPERATING IMPACT OF CAPITAL

Type of Impact:

Branch:																
	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE
Total Operating Impact	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CAPITAL PROFILE REPORT

Profile Page 1

PROFILE NAME:	CENTURY PLACE BASE BLDG REHAB & TENANT IMPROVEMENTS	RECOMMENDED
PROFILE	17-99-2001	PROFILE STAGE: Council Review
DEPARTMENT:	Community Services	PROFILE TYPE: Standalone
BRANCH:	Facility and Landscape Infrastructure	PROFILE MANAGER: Jorge Castellanos
PROGRAM		LEAD BRANCH MANAGER: Jorge Castellanos
LEAD BRANCH:	Infrastructure Delivery	ESTIMATED START: May, 2017
BUDGET CYCLE:	2015-2018	ESTIMATED COMPLETION: December, 2018

Service Category: **Building Renewal**

Major Initiative:

GROWTH	RENEWAL
20	80

PREVIOUSLY APPROVED:	-
BUDGET REQUEST:	19,665
TOTAL PROFILE BUDGET:	19,665

PROFILE DESCRIPTION

This profile provides funding to address the building rehabilitation and tenant improvements work at Century Place Building. Due to the complexity of the work and to minimize operational impact, this project will be delivered in phases addressing higher priority items first. Scope of work includes the following:

- Design services for 3 floors of TI (3,7 & 9). These will include full abatement, gender neutral barrier-free washrooms if one doesn't exist and densification per the new City of Edmonton Corporate Space Guidelines.
- Upgrade to or replacement of base building services to their point of entry at each floor level; data centre cooling and system replacement.

PROFILE BACKGROUND

The Century Place base building rehabilitation and tenants improvement project was identified in the Building Facilities Rehabilitation Composite Profile (CM-75-0100). Since the project was initiated, additional critical items were identified needing immediate attention. In addition, tenants have also identified major improvements. Several funding sources have been identified to fund this project.

A building condition assessment was completed in May 2010. The report identified several deficiencies to the buildings electrical, mechanical and structural systems and made recommendations accordingly. Since that report, Facility Maintenance has completed various repairs as needed in the building. This project will reassess and update that report and provide updated cost estimates so the stakeholders can phase the project accordingly as funds are made available.

Due to the scope of the project being over \$5M and to consolidate funding sources, an adjustment is required to allocate funds to its own profile.

PROFILE JUSTIFICATION

Century Place Office Tower is an integral part of the city's administration team, it is one of Edmonton's first tower aging 42 years old. Most of the building systems and components are original to its construction. As such, the critical systems are overdue for major upgrades and rehabilitation. Renewal is required to address deficiencies to the building to maximize its designed service life and provides safe environment for staff and the general public and to meet the current service needs of the citizens. This profile provides the necessary funding required to complete the critical and emergent rehabilitation work at Century Place.

STRATEGIC ALIGNMENT

This reinvestment strategy is integrally linked to the City's strategic plan, namely to Improve Edmonton's Livability, to Preserve and Sustain Edmonton's Environment, and to Ensure Edmonton's Financial Sustainability.

ALTERNATIVES CONSIDERED

Excess, underutilized, and obsolete facilities constitute a drain on the City's capital renewal budget in costs and in forgone opportunities to invest in the maintenance and repair of facilities and to reduce energy use, water use, and greenhouse gas emissions.

To manage and mitigate the risks posed by the ownership of older and obsolete facilities, do the following:

- Systematically dispose of excess and underutilized facilities.
- Pursue a proactive strategy to minimize their total facilities "footprint."
- Link maintenance and repair activities to the organization's business or mission and set priorities among them.
- Correlate the effects of systems-related failures with the business or mission.
- Correlate delays in timely maintenance and repair with sustainability cost.

COST BENEFITS

Tangible Benefits: Improved Reliability, improved productivity, and fewer accidents and injuries.

Intangible Benefits: Customer satisfaction and improved public image.

KEY RISKS & MITIGATING STRATEGY

As facilities deteriorate, their components and systems age and will fail. Failure of these systems poses various risks on the users of the facility and the lack of rehabilitation activities can lead to the closure of the facility.

CAPITAL PROFILE REPORT

RESOURCES

This will project will be manage by Facility Infrastructure Delivery group of the Infrastructure Delivery Branch.

CONCLUSIONS AND RECOMMENDATIONS

Renewing City facilities is vital to ensure continual operation.

Since the project cost exceeds \$5M coming from 4 sources of funding from different department, a standalone profile is required.

CAPITAL PROFILE REPORTPROFILE NAME: **Century Place Base Bldg Rehab & Tenant Improvements****RECOMMENDED**PROFILE NUMBER: **17-99-2001**PROFILE TYPE: **Standalone**BRANCH: **Facility and Landscape Infrastructure****CAPITAL BUDGET AND FUNDING SOURCES (000's)**

APPROVED BUDGET		Prior Years	2017	2018	2019	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
	Approved Budget												
	Original Budget Approved	-	-	-	-	-	-	-	-	-	-	-	-
	Current Approved Budget	-	-	-	-	-	-	-	-	-	-	-	-

BUDGET REQUEST	Budget Request	-	7,087	12,578	-	-	-	-	-	-	-	-	19,665
	Revised Funding Sources (if approved)												
	Munc Sustain. Initiative - MSI	-	5,850	9,150	-	-	-	-	-	-	-	-	15,000
	Pay-As-You-Go	-	1,237	3,428	-	-	-	-	-	-	-	-	4,665
	Requested Funding Source	-	7,087	12,578	-	-	-	-	-	-	-	-	19,665

REVISED BUDGET (IF APPROVED)	Revised Budget (if Approved)	-	7,087	12,578	-	-	-	-	-	-	-	-	19,665
	Requested Funding Source												
	Munc Sustain. Initiative - MSI	-	5,850	9,150	-	-	-	-	-	-	-	-	15,000
	Pay-As-You-Go	-	1,237	3,428	-	-	-	-	-	-	-	-	4,665
	Requested Funding Source	-	7,087	12,578	-	-	-	-	-	-	-	-	19,665

CAPITAL BUDGET BY ACTIVITY TYPE (000's)

REVISED BUDGET (IF APPROVED)	Activity Type	Prior Years	2017	2018	2019	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
	Construction	-	7,087	12,578	-	-	-	-	-	-	-	-	19,665
	Total	-	7,087	12,578	-	-	-	-	-	-	-	-	19,665

OPERATING IMPACT OF CAPITAL

Type of Impact:

Branch:																
	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE
Total Operating Impact	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CAPITAL PROFILE REPORT

Profile Page 1

PROFILE NAME: **CIVIC PRECINCT SURFACE AND FOUNTAIN RENEWAL**
 PROFILE **17-99-1022**
 DEPARTMENT: **Citizen Services**
 BRANCH: **Community & Recreation Facilities**
 PROGRAM
 LEAD BRANCH: **Facilities & Landscape Infrastructure**
 BUDGET CYCLE: **2015-2018**

RECOMMENDED

PROFILE STAGE: **Council Review**
 PROFILE TYPE: **Standalone**
 PROFILE MANAGER: **Roger Jevne**
 LEAD BRANCH MANAGER: **Jason Meliefste**
 ESTIMATED START: **May, 2017**
 ESTIMATED COMPLETION: **December, 2018**

Service Category: Building Renewal**Major Initiative:****GROWTH****RENEWAL****100****PREVIOUSLY APPROVED:****-****BUDGET REQUEST:****12,997****TOTAL PROFILE BUDGET:****12,997**

PROFILE DESCRIPTION

This project involves the renewal, design and a two-phase construction for the Civic Precinct surface and City Hall Fountain. This project includes rehabilitation of infrastructure to ensure that the City can maintain the physical condition and functionality of the site to support safety and accessibility.

The first phase of the project will include completing design for the surface renewal around City Hall, over 102 A avenue and in the East Garden. It will also include design for the City Hall Fountain to meet current Alberta Health Services standards. Phase one will only include construction for City Hall Plaza, 102 A avenue and the Fountain. Funding for construction of the surface which surrounds City Hall and for the East Gardens is pending approval. Concept work including surface renewal public involvement (2015/2016) and fountain mechanical study (2016) will provide background to the schematic design.

PROFILE BACKGROUND

In 1992, Edmonton City Hall opened as a place for civic government and a gathering place for Edmontonians. The Civic Precinct encompasses Sir Winston Churchill Square, Centennial Plaza, Stanley A. Milner Library, and City Hall Plaza. A Civic Precinct Master Plan was presented to the Community Services Committee in April 2013. In 2015, City Council deferred the creation of a Master Plan until after the Valley Line LRT is operational. The Citizen Services Department committed to continue development of the Civic Precinct by focusing on three priorities: programming; operations and governance structure; and renewal projects. Council supported the rehabilitation of three areas to improve the accessibility and sustainability. This included the surface and base renewal around City Hall, integration of 102 A avenue and the East Garden turf replacement. In 2015, Alberta Health Services identified concerns with the City Hall fountain turnover rate resulting in the investigation of replacing the mechanical system and structure of the water feature. In 2016, a concept report was completed for the surface renewal options and mechanical options developed for the City Hall Fountain.

PROFILE JUSTIFICATION

Some of the infrastructure around City Hall has been identified for rehabilitation. The pavers and sub-base around City Hall are deteriorating and in need to be replaced for a more sustainable maintenance solution. A new durable surface for the East Garden has been suggested in concept to support programs, tree health and maintenance to accommodate the intense pedestrian use. When 102 A avenue was permanently closed in 2009, this created better pedestrian flow in the area, but the road requires renewal to reduce accessibility and safety concerns. Finally, in 2015, Alberta Health Services identified concerns with the City wading pool turnover rate as it does not meet pool standards. It was also identified that this water feature needed to adhere to the current anti-entrapment standards as well as there are structural concerns with basin deterioration and sand from the surrounding sub-base leaking into the pool.

STRATEGIC ALIGNMENT

Improve Edmonton's Livability. Preserve & Sustain Edmonton's Environment.
 Corporate Outcomes - Infrastructure Strategy support long-term infrastructure investment maintain City's assets into the future.
 Transform Edmonton's Urban Form.

ALTERNATIVES CONSIDERED

Surface options were reviewed on criteria of sustainable maintenance, functionality, aesthetics and cost. The options for City Hall plaza and over 102 A avenue are listed. All options recommend timber in the East Garden. 1.Canadian Granite pavers throughout site 2.Foreign granite pavers throughout site 3.Canadian Granite "Red Carpet" with precast concrete paver perimeter 4.Canadian Granite "Red carpet" with decorative concrete paver perimeter 5.Precast concrete paver 'Red Carpet' and decorative concrete perimeter 6.Decorative concrete throughout 7.Plain Concrete throughout. Option 5 is proposed for the surface in this profile.

The mechanical options investigated for the fountain focussed on maintaining existing functionality while meeting required pool standards. 1.No rehabilitation and fountain does not permit wading 2.Renew infrastructure with water feature but no standing water 3.Renew wading pool to maintain current function of spray and standing water.

COST BENEFITS

The value of well-maintained & designed public spaces contributes to the economic, social, cultural and environmental health of the City. Reduced maintenance/operation costs: improve the infrastructure physical condition, extend the life cycle and reduce maintenance requirements. Improved amenities increases accessibility and use by citizens. Well-maintained amenities welcome more visitors, offer sense of safety, security and prevent vandalism.

CAPITAL PROFILE REPORT

KEY RISKS & MITIGATING STRATEGY

Key risks associated with the project include funding not sufficient to complete Phase 1, design not complete to meet the 2018 construction window, coordination with other projects on site impacts schedule and cost. The sequencing of these developments on site will require coordination in order to minimize operational impacts and project delays.

RESOURCES

City of Edmonton seeks to purchase goods, services, construction fairly and based on best value. IIS will manage the renewal projects and include project team members from City Operations and Citizen Services.

CONCLUSIONS AND RECOMMENDATIONS

The renewal of the Civic Precinct Surface and City Hall Fountain will ensure that aging infrastructure is addressed thereby minimizing the operational impact and increasing operational efficiencies. It is recommended that the funding of this profile be approved. The current City Hall Fountain has been enjoyed as an iconic feature in the downtown core over the last 25 years.

CAPITAL PROFILE REPORT

PROFILE NAME: **Civic Precinct Surface and Fountain Renewal****RECOMMENDED**PROFILE NUMBER: **17-99-1022**PROFILE TYPE: **Standalone**BRANCH: **Community & Recreation Facilities**

CAPITAL BUDGET AND FUNDING SOURCES (000's)

APPROVED BUDGET		Prior Years	2017	2018	2019	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
	Approved Budget												
	Original Budget Approved	-	-	-	-	-	-	-	-	-	-	-	-
	Current Approved Budget	-	-	-	-	-	-	-	-	-	-	-	-

BUDGET REQUEST	Budget Request	-	1,000	11,997	-	-	-	-	-	-	-	-	12,997
	Revised Funding Sources (if approved)												
	Munc Sustain. Initiative - MSI	-	900	10,735	-	-	-	-	-	-	-	-	11,635
	Pay-As-You-Go	-	100	1,262	-	-	-	-	-	-	-	-	1,362
	Requested Funding Source	-	1,000	11,997	-	-	-	-	-	-	-	-	12,997

REVISED BUDGET (IF APPROVED)	Revised Budget (if Approved)	-	1,000	11,997	-	-	-	-	-	-	-	-	12,997
	Requested Funding Source												
	Munc Sustain. Initiative - MSI	-	900	10,735	-	-	-	-	-	-	-	-	11,635
	Pay-As-You-Go	-	100	1,262	-	-	-	-	-	-	-	-	1,362
	Requested Funding Source	-	1,000	11,997	-	-	-	-	-	-	-	-	12,997

CAPITAL BUDGET BY ACTIVITY TYPE (000's)

REVISED BUDGET (IF APPROVED)	Activity Type	Prior Years	2017	2018	2019	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
	Construction	-	1,000	11,997	-	-	-	-	-	-	-	-	12,997
	Total	-	1,000	11,997	-	-	-	-	-	-	-	-	12,997

OPERATING IMPACT OF CAPITAL

Type of Impact:

Branch:																
	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE
Total Operating Impact	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CAPITAL PROFILE REPORT

Profile Page 1

PROFILE NAME: **JASPER AVENUE NEW VISION PHASE 2**
 PROFILE: **17-74-4103**
 DEPARTMENT: **Sustainable Development&**
 BRANCH: **Real Estate, Housing & Economic Sustainability (old)**
 PROGRAM:
 LEAD BRANCH: **Real Estate, Housing & Economic Sustainability (old)**
 BUDGET CYCLE: **2015-2018**

RECOMMENDED

PROFILE STAGE: **Council Review**
 PROFILE TYPE: **Standalone**
 PROFILE MANAGER: **Walter Trocenko**
 LEAD BRANCH MANAGER: **Walter Trocenko**
 ESTIMATED START: **May, 2017**
 ESTIMATED COMPLETION: **December, 2018**

Service Category:**Major Initiative:**

GROWTH	RENEWAL
20	80

PREVIOUSLY APPROVED:

-

BUDGET REQUEST:

3,400

TOTAL PROFILE BUDGET:

3,400

PROFILE DESCRIPTION

This profile begins implementation of the next phase of the Jasper Avenue New Vision Project. The project will feature streetscape improvements to Jasper Ave including wider sidewalks, quality materials, attractive street furnishings and lighting, trees and public art. In addition, repairs are required to the roof slab of the Shaw Conference Centre located under Jasper Ave, as well as to the Frank Oliver Tunnel which is underneath the sidewalk at 100 St. This profile includes concept design for the streetscape from 92 St to 109 St, preliminary and detailed engineering from 96 St to 100 St, and structural engineering of repairs to the Shaw Centre and Frank Oliver Tunnel. Funding for this project will be transferred from existing approved Capital Profiles. There is funding within existing approved Capital Profiles to construct the streetscape, but new funding for the underground infrastructure will be requested as part of the 2019-2022 Capital Budget. Construction will begin in 2019.

PROFILE BACKGROUND

The streetscape of Jasper Avenue, which was constructed in the 1980s, is dilapidated and in need of improvement. The current cross-section favours a wide roadway, which does not reflect Council's vision of Downtown as pedestrian-friendly and vibrant. The Jasper Avenue New Vision project is listed in the Downtown CRL Plan as a Catalyst Project. Streetscape improvements to Jasper Avenue east of 97 Street are included in the Quarters Urban Design Plan and the Quarters Downtown CRL Plan.

The initial phase of construction between 100 and 102 Streets has created an attractive corridor that prioritizes pedestrians and transit use. Since the improvements began, several properties facing the Avenue have made major investments in their properties that have brought new vibrancy and activity to the area.

Structural Assessments of infrastructure located under Jasper Avenue were completed in 2016. These assessments identified significant structural repairs that will be required to the roof slab above the Shaw Conference Centre, which is located under Jasper Avenue. The urgency associated with these repairs makes the 96 Street to 100 Street section the next logical priority for completion.

PROFILE JUSTIFICATION

This project is a Catalyst Project in the Downtown and Quarters CRL Plans as approved by Council and the Province. It will enhance Jasper Avenue's role as Edmonton's Main Street - an attractive, pedestrian-oriented, and vibrant corridor through the heart of the City.

This project is expected to spark investment and improve street-level vibrancy and attractiveness. The design will promote pedestrian activity and transit use, supporting Council's strategic goals. It will also improve pedestrian access to the Quarters and the recently completed Armature streetscape on 96 St.

Repairs to the Shaw Centre roof will require removal of the roadway in 2019 - this project will integrate facility and streetscape work to achieve efficiencies and minimize disruption.

Repairs are also required to the Frank Oliver Tunnel. The concept planning phase will assess the value of this Pedway to pedestrian circulation and evaluate potential rehabilitation strategies, including its potential closure.

STRATEGIC ALIGNMENT

This project contributes to The Way Ahead's goal of Transforming Edmonton's Urban Form, The Way We Grow, The Way We Move, and The Way We Live, as well as the Capital City Downtown Plan, Quarters Urban Design Plan, and Quarters and Downtown CRL Plans.

ALTERNATIVES CONSIDERED

Administration considered three potential segments of Jasper Avenue for the next phase of work: 96 Street to 100 Street above the Shaw Conference Centre, 102 Street to 105 Street above Bay/Enterprise Square LRT Station, and 105 Street to 109 Street above Corona LRT Station.

The 96 Street to 100 Street segment was selected based on the urgency of the structural repairs that are required at the Shaw Conference Centre. The other pieces of underground infrastructure are in better condition and do not have the same level of urgency associated with them.

CAPITAL PROFILE REPORT

COST BENEFITS

- Higher quality public realm for Edmonton's Main Street
- Greater pedestrian safety
- Improved Universal Accessibility
- Extend structural life of Shaw Centre
- Attract private sector investment
- Improve connections between major destinations: Shaw Conference Centre, Canada Place, The Quarters, and several Downtown hotels
- Enhanced viability of street-level retail/patios
- Increased property values
- Increased tree canopy
- Enhanced Civic Pride

KEY RISKS & MITIGATING STRATEGY

Risks associated with this project include discovery of additional deterioration to the Shaw Centre, coordination with utility agencies, and potential short-term disruption to traffic and local businesses. Mitigation strategies include ensuring adequate contingencies in project budgets, early involvement of utility agencies in the design process, development of a proactive communication plan, and incorporating 'lessons learned' from the first phase of the Jasper Avenue New Vision project.

RESOURCES

Project Management will be provided by Integrated Infrastructure Services. External consultants will be retained to provide design, engineering, and other services as appropriate.

CONCLUSIONS AND RECOMMENDATIONS

Recommend proceeding with Concept Design for Jasper Avenue (92 to 109 Street), Preliminary and Detailed Engineering for roadway and streetscape (96 Street to 100 Street), Structural Design and Engineering for rehabilitation of the Shaw Conference Centre roof slab and Frank Oliver Tunnel.

CAPITAL PROFILE REPORT

PROFILE NAME: **Jasper Avenue New Vision Phase 2**
 PROFILE NUMBER: **17-74-4103**
 BRANCH: **Real Estate, Housing & Economic Sustainability (old)**

RECOMMENDEDPROFILE TYPE: **Standalone**

CAPITAL BUDGET AND FUNDING SOURCES (000's)

APPROVED BUDGET		Prior Years	2017	2018	2019	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
	Approved Budget												
	Original Budget Approved	-	-	-	-	-	-	-	-	-	-	-	-
	Current Approved Budget	-	-	-	-	-	-	-	-	-	-	-	-
BUDGET REQUEST	Budget Request	-	1,250	2,150	-	-	-	-	-	-	-	-	3,400
	Revised Funding Sources (if approved)												
	Debt CRL Downtown	-	1,025	1,650	-	-	-	-	-	-	-	-	2,675
	Debt CRL Quarters	-	225	500	-	-	-	-	-	-	-	-	725
	Requested Funding Source	-	1,250	2,150	-	-	-	-	-	-	-	-	3,400
REVISED BUDGET (IF APPROVED)	Revised Budget (if Approved)	-	1,250	2,150	-	-	-	-	-	-	-	-	3,400
	Requested Funding Source												
	Debt CRL Downtown	-	1,025	1,650	-	-	-	-	-	-	-	-	2,675
	Debt CRL Quarters	-	225	500	-	-	-	-	-	-	-	-	725
	Requested Funding Source	-	1,250	2,150	-	-	-	-	-	-	-	-	3,400

CAPITAL BUDGET BY ACTIVITY TYPE (000's)

REVISED BUDGET (IF APPROVED)	Activity Type	Prior Years	2017	2018	2019	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
	Design	-	1,250	2,150	-	-	-	-	-	-	-	-	3,400
	Total	-	1,250	2,150	-	-	-	-	-	-	-	-	3,400

OPERATING IMPACT OF CAPITAL

Type of Impact:

Branch:																
	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE
Total Operating Impact	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CAPITAL PROFILE REPORT

Profile Page 1

PROFILE NAME: ALLEY RENEWAL (MEDIUM)

RECOMMENDED

PROFILE CM-99-4800

PROFILE STAGE: Council Review

DEPARTMENT: Integrated Infrastructure Services

PROFILE TYPE: Composite

BRANCH: Infrastructure Planning and Design

PROFILE MANAGER: Jason Meliefste

PROGRAM

LEAD BRANCH MANAGER: Craig Walbaum

LEAD BRANCH: Building Great Neighbourhoods

ESTIMATED START: May, 2017

BUDGET CYCLE: 2015-2018

ESTIMATED COMPLETION: December, 2018

Service Category: Roads

Major Initiative:

GROWTH
5

RENEWAL
95

PREVIOUSLY APPROVED:

-

BUDGET REQUEST:

500

TOTAL PROFILE BUDGET:

500

PROFILE DESCRIPTION

The Alley Renewal Program outlines a cost-effective, long-term strategy approach to address the renewal and rebuilding of alleys in existing neighbourhoods, and reach a medium level of service (Average Condition Index - Grade C, 20% in F/D Condition, 10% in F Condition) within 25 years. The Alley Renewal Program provides for the renewal of roadway base and paving in existing alleys. This program includes the following major categories: Alley Reconstruction, alley upgrade, and Alley Overlay.

PROFILE BACKGROUND

Currently 69% (764 km) of paved alleys require renewal, with an additional 68 km of gravel alleys. Issues such as potholes, water ponding and base failures are common and present significant safety, access reliability and maintenance challenges. Alleys lack a funded renewal program therefore alley renewal only takes place either as a result of underground utility renewal projects or local improvements. These activities are not sufficient to effectively meet the current alley renewal and service level needs.

A funded alley renewal strategy could effectively combine reconstruction and rehabilitation that allows the overall alley network to improve to "Fair (Condition C) or better" condition within 25 years of 2018 (2019 - 2043).

PROFILE JUSTIFICATION

Alley infrastructure should be maintained in accordance to its asset life cycle as outlined in the City's Alley Investment Model, utilizing a balanced approach of capital improvement techniques (reconstruction and overlay) to maximize asset value and asset life.

Anticipated Outcomes: Sufficient funding levels will allow the overall condition of alleys to become a "grade C or better" in 25 years (by 2043). Project planning should occur two years prior to alley work to allow for coordination with utilities and the use of longer term contracts to achieve greater value for money.

Urgency of Need: Need to create a predictable funding to meet renewal needs of alleys (issues such as potholes, water ponding and base failures are common) that present significant safety, access, and maintenance challenges. Unpredictable funding levels will impede on the ability to mitigate the effects of rising construction prices and availability during stronger economic times.

STRATEGIC ALIGNMENT

The Way We Move: Well Maintained Infrastructure. Sustainability utilizing recycled materials and newer technologies; Access and Mobility / Health and Safety - interconnected system for efficient movement via various modes.

ALTERNATIVES CONSIDERED

Using life cycle cost/benefit analysis demonstrates that the following alternatives are not as effective to fully funded alley renewal (reconstruction, rehab) program:

Do Nothing/Unfunded Alley Renewal Program - Current approach: In the absence of a funded alley renewal program, alley renewal only takes place either as a result of underground utility renewal projects or local improvements.

Band Aid/Triage Renewal: simple renewal is completed on alleys that currently require more extensive renewal (reconstruction) to bridge the time when funding is available for alley reconstruction.

Reconstruction First/Worse Only approach: Using the City's Alley Investment Model and life cycle/cost benefit analysis showed that effectively combining reconstruction, rehabilitation, and preventative maintenance, the program allows more alleys to receive improvements within 25 years (2019 - 2043), whereas a reconstruction-only program would take many more years to complete at a higher cost.

COST BENEFITS

Require \$18.35 million annually to achieve committed services levels.

Tangible benefits: renewal of aging infrastructure in older neighbourhoods, maximizing service life of alley infrastructure, and long-term cost savings through reinvestment strategies, increase in service levels and customer satisfaction.

Intangible benefits: enhancing attractiveness of neighbourhoods, improving livability of residents.

CAPITAL PROFILE REPORT

KEY RISKS & MITIGATING STRATEGY

Utility Conflict/Coordination: provide 2 years of planning before alley construction begins.

Industry/Internal Capacity: Alley construction ramp up over a 4 year period (2019 - 2022) provide time to resource plan.

RESOURCES

Mix of internal/external paving and engineering services. Internal resources evaluation would include: Current internal capacity, Potential re-allocation of design/deliver staff and Operating Services Packages, City Infrastructure Maintenance paving.

CONCLUSIONS AND RECOMMENDATIONS

With alleys being an integral part of the City's transportation network, providing access to residents, businesses and industries, an effective alley renewal strategy is needed to ensure the City meets its goals for sustainable and accessible infrastructure.

CAPITAL PROFILE REPORT

PROFILE NAME: **Alley Renewal (Medium)**PROFILE NUMBER: **CM-99-4800**BRANCH: **Infrastructure Planning and Design****RECOMMENDED**PROFILE TYPE: **Composite**

CAPITAL BUDGET AND FUNDING SOURCES (000's)

APPROVED BUDGET		Prior Years	2017	2018	2019	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
	Approved Budget												
	Original Budget Approved	-	-	-	-	-	-	-	-	-	-	-	-
	Current Approved Budget	-	-	-	-	-	-	-	-	-	-	-	-

BUDGET REQUEST	Budget Request	-	100	400	-	-	-	-	-	-	-	-	500
	Revised Funding Sources (if approved)												
	Neighborhood Renewal Reserve	-	100	400	-	-	-	-	-	-	-	-	500
	Requested Funding Source	-	100	400	-	-	-	-	-	-	-	-	500

REVISED BUDGET (IF APPROVED)	Revised Budget (if Approved)	-	100	400	-	-	-	-	-	-	-	-	500
	Requested Funding Source												
	Neighborhood Renewal Reserve	-	100	400	-	-	-	-	-	-	-	-	500
	Requested Funding Source	-	100	400	-	-	-	-	-	-	-	-	500

CAPITAL BUDGET BY ACTIVITY TYPE (000's)

REVISED BUDGET (IF APPROVED)	Activity Type	Prior Years	2017	2018	2019	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
	Design	-	100	400	-	-	-	-	-	-	-	-	500
	Total	-	100	400	-	-	-	-	-	-	-	-	500

OPERATING IMPACT OF CAPITAL

Type of Impact:

Branch:																
	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE
Total Operating Impact	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CAPITAL PROFILE REPORT

Profile Page 1

PROFILE NAME: UTILITIES, PLANNING AND DESIGN - COMPOSITE GROWTH

RECOMMENDED

PROFILE CM-99-0002

PROFILE STAGE: Council Review

DEPARTMENT: Integrated Infrastructure Services

PROFILE TYPE: Composite

BRANCH: Infrastructure Planning and Design

PROFILE MANAGER: Jason Meliefste

PROGRAM

LEAD BRANCH MANAGER: Jason Meliefste

LEAD BRANCH: Infrastructure Planning and Design

ESTIMATED START: May, 2017

BUDGET CYCLE: 2015-2018

ESTIMATED COMPLETION: December, 2018

Service Category: Roads

Major Initiative:

GROWTH
100

RENEWAL

PREVIOUSLY APPROVED:

-

BUDGET REQUEST:

1,300

TOTAL PROFILE BUDGET:

1,300

PROFILE DESCRIPTION

This capital profile supports preliminary planning and design work on utility infrastructure capital projects prior to budget approval. This approach is consistent with Administration's implementation of the Project Development & Delivery Model as well as the Capital Governance Policy that was approved by Council.

Funding in the profile will be used to support preliminary planning and design work for the following utility areas: Downtown Servicing, Flood Mitigation, Stormwater Quality Enhancement and Odour Control Strategy.

PROFILE BACKGROUND

In 2016, the Integrated Infrastructure Services Transformation program developed the Project Development and Delivery Model which has been endorsed by Council. The PDDM is a framework to managing capital infrastructure projects, and aims to achieve the following outcomes:

- (1) Better information to make capital investment decisions.
- (2) Improved project schedule and budget estimates through increased level of design to ensure realistic expectations are set prior to project tendering and construction.
- (3) Systematic evaluation of projects against the initial project business case and scope.

PROFILE JUSTIFICATION

To adhere with the Project Development and Delivery Model, preliminary planning and design should be completed on projects prior to the project's budget being approved in its entirety. This profile funds that work so Administration can provide Council with better information regarding the scope, schedule and budget prior to funding the entire project.

STRATEGIC ALIGNMENT

The Way We Grow: Transform Edmonton's Urban Form; The Way We Love: Improve Edmonton's Livability; The Way We Green: Preserve & Sustain Edmonton's Environment; The Way We Finance: Ensure Edmonton's Financial Sustainability; The Way We Prosper: Diversify Edmonton's Economy

ALTERNATIVES CONSIDERED

Planning work for the next budget cycle too late will increase the risk of not meeting the completion schedule and budget. Lack of planning can also lead to increased risk during delivery, increased costs and delays.

COST BENEFITS

Better information to make capital investment decisions:

- Early investment in design to support detailed business cases.
- Structured process to evaluate readiness, scope and prioritization.
- Increased confidence around budget and schedule estimates.
- There is the opportunity to make major changes in project scope if there are problems identified during the early planning and design phases.

KEY RISKS & MITIGATING STRATEGY

A capital project is not approved after spending resources on concept planning and design. Current mitigation is the ongoing reporting to City Council regarding capital priorities while future mitigation could be the improvement to the long term capital planning process.

RESOURCES

Early investment in design will require reallocation of capital funding to planning and design efforts prior to project-specific approval.

CONCLUSIONS AND RECOMMENDATIONS

Funds are required for planning and design to adhere with the Project Development and Delivery Model, and improve project schedule and budget estimates through increased level of design to ensure realistic expectations are set prior to project tendering and construction.

CAPITAL PROFILE REPORT

Profile Page 2

PROFILE NAME: **Utilities, Planning and Design - Composite Growth****RECOMMENDED**PROFILE NUMBER: **CM-99-0002**PROFILE TYPE: **Composite**BRANCH: **Infrastructure Planning and Design****CAPITAL BUDGET AND FUNDING SOURCES (000's)**

APPROVED BUDGET		Prior Years	2017	2018	2019	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
	Approved Budget												
	Original Budget Approved	-	-	-	-	-	-	-	-	-	-	-	-
	Current Approved Budget	-	-	-	-	-	-	-	-	-	-	-	-
BUDGET REQUEST	Budget Request	-	390	910	-	-	-	-	-	-	-	-	1,300
	Revised Funding Sources (if approved)												
	Drainage Retained Earnings	-	390	910	-	-	-	-	-	-	-	-	1,300
	Pay-As-You-Go	-	-	-	-	-	-	-	-	-	-	-	-
REVISED BUDGET (IF APPROVED)	Requested Funding Source	-	390	910	-	-	-	-	-	-	-	-	1,300
	Revised Budget (if Approved)	-	390	910	-	-	-	-	-	-	-	-	1,300
	Requested Funding Source												
	Drainage Retained Earnings	-	390	910	-	-	-	-	-	-	-	-	1,300
REVISED BUDGET (IF APPROVED)	Pay-As-You-Go	-	-	-	-	-	-	-	-	-	-	-	-
	Requested Funding Source	-	390	910	-	-	-	-	-	-	-	-	1,300
	Revised Budget (if Approved)	-	390	910	-	-	-	-	-	-	-	-	1,300
	Requested Funding Source	-	390	910	-	-	-	-	-	-	-	-	1,300

CAPITAL BUDGET BY ACTIVITY TYPE (000's)

REVISED BUDGET (IF APPROVED)	Activity Type	Prior Years	2017	2018	2019	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
	Design	-	390	910	-	-	-	-	-	-	-	-	1,300
	Total	-	390	910	-	-	-	-	-	-	-	-	1,300

OPERATING IMPACT OF CAPITAL

Type of Impact:

Branch:																
	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE
Total Operating Impact	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CAPITAL PROFILE REPORT

Profile Page 1

PROFILE NAME: **WEST JASPER PLACE TRUNK SEWER REHABILITATION**

PROFILE **17-23-9806**

DEPARTMENT: **Financial Services & Utilities - Utilities**

BRANCH: **Sanitary Utility**

PROGRAM

LEAD BRANCH:

BUDGET CYCLE: **2015-2018**

RECOMMENDED

PROFILE STAGE: **Council Review**

PROFILE TYPE: **Standalone**

PROFILE MANAGER: **Chris Ward**

LEAD BRANCH MANAGER:

ESTIMATED START: **May, 2017**

ESTIMATED COMPLETION: **March, 2018**

Service Category:**Major Initiative:**

GROWTH

RENEWAL
100

PREVIOUSLY APPROVED:**-****BUDGET REQUEST:****24,000****TOTAL PROFILE BUDGET:****24,000**

PROFILE DESCRIPTION

This project includes: rehabilitation of the connection of WESS W13; rehabilitation of all of the 1500 mm on 151 Street from 99 Avenue to north of 100 Avenue; rehabilitation of the drop connection to the 1500 mm trunk on 99 Avenue; replacement of the first 20 m of 1500 mm trunk on 99 Avenue to the wye chamber connecting the 1200 mm trunk on 151 St., south of 99 Avenue; rehabilitation of the wye chamber and a high priority rehabilitation on the 1950 mm trunk along 100 Avenue, west of the connection to the 1500 mm on 151 Street; bypass tunnels on 100 Avenue and 151 Street and the associated construction/access shafts and flow control devices to enable the diversion of the flow to reline in dry conditions, and inspection and testing to the 1500 mm trunk on 99 Avenue east of the wye chamber and the 1200mm trunk on 151 St., south of the wye chamber.

PROFILE BACKGROUND

"The West Jasper Place (WJP) project began when the WESS W13 project needed to tie into the 1200 mm trunk on 99 Avenue in the WJP neighbourhood. The structural condition of the 1200 mm trunk was found to be very poor due to corrosion and required high priority rehabilitation. Inspections of the trunk sewer downstream on 99 Ave. as well as the upstream trunks on 151 St. and 100 Ave. that connect to the same structure as WESS W13 showed that the structural deterioration was far beyond the initial high priority repair location. These inspections resulted in discovery of the required high priority repairs in the 1950 mm trunk on 100 Ave. included in this profile.

The process for rehabilitation of the 1500 mm trunk will be part relining and part replacement of existing drainage infrastructure in dry conditions. It was determined that there were many disadvantages to wet relining, such as high risk of H2S exposure, odour issues, noise issues, schedule delays, disruption to traffic and businesses and long term sustainability of the drainage infrastructure. It was determined that the best option would be to build bypass tunnels on 100 Ave. and 151 St. to allow work in dry conditions."

PROFILE JUSTIFICATION

"Through several inspections, it has been determined that these sections of pipe require prompt rehabilitation to reinstate their structural integrity and maintain sanitary service to about 110,000 people in west Edmonton. If left in their current condition, there is a high risk of leakage, sinkholes, and possibly even collapse of the sewer. The rehabilitation of the 1500 mm trunk along 151 Street, the 1200 mm/1500 mm on 99 Avenue and the 1950 mm trunk along 100 Avenue will extend the life of the sewer and will allow the City to continue to provide a high level of service to its customers. It will eliminate risks that are associated with this deteriorated pipe such as flooding, loss of service, roadway collapse or property damage.

STRATEGIC ALIGNMENT

This project aligns with "The Way We Live" strategic goal by ensuring that the City can provide a high level of service to its customers and by preventing emergency situations such as roadway collapse or property damage.

ALTERNATIVES CONSIDERED

One alternative is do nothing. If the rehabilitation doesn't go ahead, there is risk of sinkholes or collapsed sewer which is a safety concern. This would also cause a loss of service to 110,000 residents in West Edmonton. Alternatives were looked at for how to deal with flow during rehabilitation. An interim pump station was to be used to bypass flows during low flows or dry weather conditions, which would only occur for short periods of time each day. During wet weather, flow would exceed the capacity of the pump and no rehabilitation work could be done. An alternative was to reline with flow in the sewer, which would require large open pits and complete road closures for long periods. Other impacts include the release of very large quantities of odorous H2S, high construction risks and reduced level of service. The alternative is to build a bypass tunnel which will not only allow rehabilitation of the trunk, but it will also provide additional capacity for future wet weather flows.

COST BENEFITS

- This project maintains an acceptable level of service for residents
- A renewed pipe with an extended service life
- The impacts of failure in this sewer infrastructure, such as flooding or roadway collapse, can be minimized through rehabilitation
- Eliminates safety concerns of structural collapse
- Customer satisfaction will be higher once project is complete
- The cost estimate for this entire project is \$22 M"

CAPITAL PROFILE REPORT

KEY RISKS & MITIGATING STRATEGY

There is risk with not going forward with the rehabilitation of this sewer. Sinkholes and possibly collapse of the sewer could occur, as well as loss of service to residents of west Edmonton. Opportunities for investing in the long-term sustainability of the drainage infrastructure will be missed.

RESOURCES

No new internal resources will be required by this project. However it will require external resources for both the design and construction phases.

CONCLUSIONS AND RECOMMENDATIONS

The large trunk sewers along 151 Street, 99 Avenue and 100 Avenue require renewal and rehabilitation to safely maintain sustainable service to our citizens. It is recommended to go ahead with this rehabilitation work, including building several bypass tunnels to facilitate dry relining. This method has significantly less risk and will allow the project to be completed quicker and with the least adverse impacts to the citizens.

CHANGES TO APPROVED PROFILE

N/A

CAPITAL PROFILE REPORTPROFILE NAME: **West Jasper Place Trunk Sewer Rehabilitation****RECOMMENDED**PROFILE NUMBER: **17-23-9806**PROFILE TYPE: **Standalone**BRANCH: **Sanitary Utility****CAPITAL BUDGET AND FUNDING SOURCES (000's)**

APPROVED BUDGET		Prior Years	2017	2018	2019	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
	Approved Budget												
	Original Budget Approved	-	-	-	-	-	-	-	-	-	-	-	-
	Current Approved Budget	-	-	-	-	-	-	-	-	-	-	-	-

BUDGET REQUEST	Budget Request	-	14,400	9,600	-	-	-	-	-	-	-	-	24,000
	Revised Funding Sources (if approved)												
	Drainage Retained Earnings	-	5,160	3,840	-	-	-	-	-	-	-	-	9,000
	Self-Liquid. Debent.-Sanitary	-	9,240	5,760	-	-	-	-	-	-	-	-	15,000
	Requested Funding Source	-	14,400	9,600	-	-	-	-	-	-	-	-	24,000

REVISED BUDGET (IF APPROVED)	Revised Budget (if Approved)	-	14,400	9,600	-	-	-	-	-	-	-	-	24,000
	Requested Funding Source												
	Drainage Retained Earnings	-	5,160	3,840	-	-	-	-	-	-	-	-	9,000
	Self-Liquid. Debent.-Sanitary	-	9,240	5,760	-	-	-	-	-	-	-	-	15,000
	Requested Funding Source	-	14,400	9,600	-	-	-	-	-	-	-	-	24,000

CAPITAL BUDGET BY ACTIVITY TYPE (000's)

REVISED BUDGET (IF APPROVED)	Activity Type	Prior Years	2017	2018	2019	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
	Construction	-	14,400	9,600	-	-	-	-	-	-	-	-	24,000
	Total	-	14,400	9,600	-	-	-	-	-	-	-	-	24,000

OPERATING IMPACT OF CAPITAL

Type of Impact:

Branch:																
	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE
Total Operating Impact	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

CAPITAL PROFILE REPORT

Profile Page 1

PROFILE NAME: **MILL CREEK STORMWATER MANAGEMENT**
 PROFILE: **17-23-9807**
 DEPARTMENT: **Financial Services & Utilities - Utilities**
 BRANCH: **Sanitary Utility**
 PROGRAM:
 LEAD BRANCH:
 BUDGET CYCLE: **2015-2018**

RECOMMENDED

PROFILE STAGE: **Council Review**
 PROFILE TYPE: **Standalone**
 PROFILE MANAGER: **Chris Ward**
 LEAD BRANCH MANAGER:
 ESTIMATED START: **May, 2017**
 ESTIMATED COMPLETION: **December, 2017**

Service Category:**Major Initiative:****GROWTH****RENEWAL****100****PREVIOUSLY APPROVED:****-****BUDGET REQUEST:****2,250****TOTAL PROFILE BUDGET:****2,250**

PROFILE DESCRIPTION

The City must acquire portions of land in southeast Edmonton (the Riske Lands) to lower and naturalize Mill Creek. The City's Meadows Community Recreation Centre was designed and constructed with a storm trunk that drains towards Mill Creek at lowered elevations that are in accordance with existing statutory plans. For the time being, these storm flows are pumped from the terminal manhole up and into Mill Creek. The lands should be acquired as soon as possible to facilitate the required construction, landscaping, and reclamation activities before expiration of the City's Water Act approval.

PROFILE BACKGROUND

The City's Water Act approval included the report "The City of Edmonton Capital Construction Meadows Multi-Purpose Facility Servicing 900mm Storm Outfall - Existing 23rd Avenue to Mill Creek & Mill Creek Deepening - Future 23rd Avenue to 17th Street" prepared in 2011. The report laid out the deepening of Mill Creek and included a negotiated access agreement from the Riske property owners. Unfortunately, the agreement was not upheld and subsequent negotiations with the Riske property owners were not successful.

PROFILE JUSTIFICATION

In the 1990's reclamation works were proposed along Mill Creek within Edmonton in part to lower the creek and allow storm drainage of adjacent lands by gravity. The creek was planned to be lowered at the same time as construction of the City's Meadows Community Recreation Center and when the City built the Recreation Centre they also built the 900 mm storm sewer outfall to Mill Creek. Since the creek has not been lowered, stormwater flows from the Recreation Centre site reach a dead end at the terminal manhole and need to be pumped out from the manhole and into the creek. Pumping is not a sustainable or cost-effective long-term solution; the subject lands should be acquired as soon as possible to facilitate the lowering of Mill Creek so that the basin can drain by gravity in accordance with the statutory plans.

STRATEGIC ALIGNMENT

This work will allow access to lower and naturalize Mill Creek, and will also help the city meet its corporate outcomes to achieve the strategic goals outlined in The Way Ahead. Additionally, the work will reduce the risk of flooding.

ALTERNATIVES CONSIDERED

If access to the Riske property is not obtained It is possible to pump storm water into Mill Creek as a temporary solution. However, this is not recommended as a permanent solution because of the ongoing economic and environmental costs associated with operating and maintaining a pumping system.

COST BENEFITS

There would be ongoing operational and maintenance costs associated with operating pumping systems indefinitely. There may be costs associated with non-compliance of the Water Act if the required construction, landscaping, and reclamation activities are not completed by October 31, 2019.

KEY RISKS & MITIGATING STRATEGY

One risk is that the City could pay an unreasonably high cost for the land acquisition. The best way to mitigate this potential risk is to determine an acceptable upper-limit cost for the acquisition before engaging in negotiations with the property owners. However, there must also be an understanding of the costs associated with operating pumping systems indefinitely.

CONCLUSIONS AND RECOMMENDATIONS

The upper-limit cost for land acquisition should be determined and put in the budget so that negotiations with the property owners can begin. The lands should be acquired as soon as possible to facilitate the lowering and naturalization of Mill Creek required to serve the Meadows Community Recreation Centre before expiration of the City's Water Act approval.

CAPITAL PROFILE REPORTPROFILE NAME: **Mill Creek Stormwater Management****RECOMMENDED**PROFILE NUMBER: **17-23-9807**PROFILE TYPE: **Standalone**BRANCH: **Sanitary Utility****CAPITAL BUDGET AND FUNDING SOURCES (000's)**

APPROVED BUDGET		Prior Years	2017	2018	2019	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
	Approved Budget												
	Original Budget Approved	-	-	-	-	-	-	-	-	-	-	-	-
	Current Approved Budget	-	-	-	-	-	-	-	-	-	-	-	-

BUDGET REQUEST	Budget Request	-	2,250	-	-	-	-	-	-	-	-	-	2,250
	Revised Funding Sources (if approved)												
	Drainage Retained Earnings	-	900	-	-	-	-	-	-	-	-	-	900
	Self-Liquid. Debent.-Sanitary	-	1,350	-	-	-	-	-	-	-	-	-	1,350
	Requested Funding Source	-	2,250	-	-	-	-	-	-	-	-	-	2,250

REVISED BUDGET (IF APPROVED)	Revised Budget (if Approved)	-	2,250	-	-	-	-	-	-	-	-	-	2,250
	Requested Funding Source												
	Drainage Retained Earnings	-	900	-	-	-	-	-	-	-	-	-	900
	Self-Liquid. Debent.-Sanitary	-	1,350	-	-	-	-	-	-	-	-	-	1,350
	Requested Funding Source	-	2,250	-	-	-	-	-	-	-	-	-	2,250

CAPITAL BUDGET BY ACTIVITY TYPE (000's)

REVISED BUDGET (IF APPROVED)	Activity Type	Prior Years	2017	2018	2019	2020	2021	2022	2023	2024	2025	Beyond 2025	Total
	Construction	-	2,250	-	-	-	-	-	-	-	-	-	2,250
	Total	-	2,250	-	-	-	-	-	-	-	-	-	2,250

OPERATING IMPACT OF CAPITAL

Type of Impact:

Branch:																
	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE	Rev	Exp	Net	FTE
Total Operating Impact	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-