

Revised Southeast to West LRT Capital Profile 11-66-1673

| TRANSPORTATION (Thousands of dollars) | | | | | | | | | | | | | |
|--|--|--|------------|--------|----------|-----------|-----------|-----------|------------------|---------|-----------|-----------|------------|
| PROGRAM: | | TRANSIT | | | | | | | | | | | |
| PROJECT NAME: | | Southeast to West LRT | | | | | | | | | | | |
| Group / Criteria: | | B-240 Economic Development & Promotion - City Wide | | | | | | | Project Manager: | | | | W. Mandryk |
| Outcome: | | Shifting Edmonton's Transportation Mode | | | | | | | | | | | |
| Focus: | | Increase Transit Ridership | | | | | | | | | | | |
| BUDGET (in \$000s) | | Prior Year | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020-26 | Total | |
| Budget as Approved | | - | 34,000 | 34,000 | 34,000 | - | - | - | - | - | - | 102,000 | |
| Change | | - | - | 25,000 | 30,000 | 5,000 | - | - | - | - | - | 60,000 | |
| Revised Budget | | - | 34,000 | 59,000 | 64,000 | 5,000 | - | - | - | - | - | 162,000 | |
| FUNDING EARMARKED FOR FUTURE EXPENDITURES | | | | | | | | | | | | | |
| Existing Plan Expenditures | | - | - | - | 30,000 | 225,000 | 550,000 | 550,000 | 300,000 | 29,000 | 1,375,000 | 3,059,000 | |
| Change | | - | - | - | (30,000) | (139,000) | (315,730) | (242,334) | (17,334) | 673,398 | 11,000 | (60,000) | |
| Revised Expenditures | | - | - | - | - | 86,000 | 234,270 | 307,666 | 282,666 | 702,398 | 1,386,000 | 2,999,000 | |
| TOTAL CAPITAL | | | | | | | | | | | | | |
| EXPENDITURE PLAN | | - | 34,000 | 59,000 | 64,000 | 91,000 | 234,270 | 307,666 | 282,666 | 702,398 | 1,386,000 | 3,161,000 | |
| Financing | | Budget Request | Prior Year | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020-26 | Total |
| Phase 1 (2012-2014 Capital Budget) | | - | - | 34,000 | 34,000 | 34,000 | - | - | - | - | - | - | 102,000 |
| Tax Supported Debt - City of Edmonton | | - | - | 34,000 | 34,000 | 34,000 | - | - | - | - | - | - | 102,000 |
| Phase 2 (stage 1a) | | - | - | - | - | - | - | - | - | - | - | - | - |
| LRT Reserve - City of Edmonton | | 10,000 | - | - | 10,000 | - | - | - | - | - | - | - | 10,000 |
| Tax Supported Debt - City of Edmonton | | 50,000 | - | - | 15,000 | 30,000 | 5,000 | - | - | - | - | - | 50,000 |
| Total Phase 2 - stage 1a | | 60,000 | - | - | 25,000 | 30,000 | 5,000 | - | - | - | - | - | 60,000 |
| Phase 2 (stage 1b) | | - | - | - | - | - | - | - | - | - | - | - | - |
| 2015-17 Capital Budget Allocation - COE | | - | - | - | - | 10,300 | 5,000 | 34,700 | - | - | - | - | 50,000 |
| LRT Reserve - City of Edmonton | | - | - | - | - | 7,700 | 2,400 | 1,200 | 2,200 | 2,900 | - | - | 16,400 |
| Tax Supported Debt - City of Edmonton | | - | - | - | - | - | - | - | 13,100 | 200 | - | - | 13,300 |
| Other Orders of Government | | - | - | - | - | 40,000 | 150,600 | 171,600 | 167,200 | 470,600 | - | - | 1,000,000 |
| P3 Consortium (Future Tax Supported Debt) | | - | - | - | - | 28,000 | 76,270 | 100,166 | 100,166 | 228,698 | - | - | 533,300 |
| Total Phase 2 - stage 1b | | - | - | - | - | 86,000 | 234,270 | 307,666 | 282,666 | 702,398 | - | - | 1,613,000 |
| Total Phase 2 (Stage 1) | | 60,000 | - | - | 25,000 | 30,000 | 91,000 | 234,270 | 307,666 | 282,666 | 702,398 | - | 1,673,000 |
| Phase 2 (stages 2 to 5) | | - | - | - | - | - | - | - | - | - | - | - | - |
| Tax Supported Debt - City of Edmonton | | - | - | - | - | - | - | - | - | - | - | 458,334 | 458,334 |
| Other Orders of Government | | - | - | - | - | - | - | - | - | - | - | 927,666 | 927,666 |
| Total Phase 2 (Stages 2 to 5) | | - | - | - | - | - | - | - | - | - | - | 1,386,000 | 1,386,000 |
| Total Profile | | 60,000 | - | - | 25,000 | 30,000 | 91,000 | 234,270 | 307,666 | 282,666 | 702,398 | 1,386,000 | 3,059,000 |
| Phase 1 - Approved Funding (2012 - 2014 Capital Budget) | | - | - | 34,000 | 34,000 | 34,000 | - | - | - | - | - | - | 102,000 |
| Phase 2 stage 1 to 5 | | - | - | 25,000 | 30,000 | 30,000 | 91,000 | 234,270 | 307,666 | 282,666 | 702,398 | 1,386,000 | 3,059,000 |
| Total Financing | | - | - | 34,000 | 59,000 | 64,000 | 91,000 | 234,270 | 307,666 | 282,666 | 702,398 | 1,386,000 | 3,161,000 |
| Description | | | | | | | | | | | | | |
| This project provides funding requirements for land acquisition, design, construction, LRV purchases and maintenance facility for Mill Woods Towne Centre to Lewis Farms LRT. | | | | | | | | | | | | | |
| The proposed schedule is as follows (subject to preliminary design, value engineering and constructability reviews): | | | | | | | | | | | | | |
| Phase 1 (Approved) | | | | | | | | | | | | | |
| 2012-2013: SE and Downtown land acquisition (Stage 1) and West critical land acquisitions. SE to W Preliminary design for \$39 million is funded under capital profile 11-66-1668. | | | | | | | | | | | | | |
| Phase 2 | | | | | | | | | | | | | |
| This phase is planned with staged funding. | | | | | | | | | | | | | |
| 2013-2026: Remaining land acquisition, detailed design, utility relocations, maintenance facility construction, purchase of light rail vehicles, LRT line and station construction. LRT construction would commence in 2015 based on a P3 delivery method. | | | | | | | | | | | | | |
| Phase 2, Stage 1a | | | | | | | | | | | | | |
| Budget Approval and funding release. | | | | | | | | | | | | | |
| 2013-2015: Commence and complete the P3 Procurement, the utility relocation and building demolition. | | | | | | | | | | | | | |
| Phase 2, Stage 1b | | | | | | | | | | | | | |
| Approval subject to funding from other orders of Government. | | | | | | | | | | | | | |
| 2015-2019: Complete the P3 Delivery Model, including design, construction, LRV purchases and construction of the maintenance facility. | | | | | | | | | | | | | |
| Schedule and costs are based on a 2013 start and a 2019 revenue service. | | | | | | | | | | | | | |
| Phase 2, Stage 2-5 | | | | | | | | | | | | | |
| 2020-2026: Remaining land acquisition, detailed design, utility relocations, maintenance facility construction, purchase of light rail vehicles, LRT line and station construction pertaining to Central West LRT Station to Lewis Farms Transit Centre. | | | | | | | | | | | | | |
| Last Updated: | | 20-Feb-13 | | | | | | | | | | | |

| Phase 2 - Detailed Design, Construction, LRV purchases, Maintenance Facility | | | | | | | | | | | | |
|---|----------------|------------|-----------|---------------|---------------|---------------|----------------|----------------|----------------|----------------|--------------------|------------------|
| | Budget Request | Prior Year | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020-26 | Total |
| Stage 1a - P3 Procurement, Utility Relocations and Building Demolition | | | | | | | | | | | | |
| LRT Reserve - City of Edmonton | 10,000 | | | 10,000 | - | - | - | - | - | - | - | 10,000 |
| Tax Supported Debt - City of Edmonton | 50,000 | | | 15,000 | 30,000 | 5,000 | - | - | - | - | - | 50,000 |
| Total Financing Stage 1a | 60,000 | | | 25,000 | 30,000 | 5,000 | | | | | | 60,000 |
| Stage 1 - Mill Woods Town Centre to Centre West LRT Station | | | | | | | | | | | | |
| 2015-17 Capital Budget Allocation - COE | - | | | - | - | 10,300 | 5,000 | 34,700 | - | - | - | 50,000 |
| LRT Reserve - City of Edmonton | - | | | - | - | 7,700 | 2,400 | 1,200 | 2,200 | 2,900 | - | 16,400 |
| Tax Supported Debt - City of Edmonton | - | | | - | - | - | - | - | 13,100 | 200 | - | 13,300 |
| Other Orders of Government | - | | | - | - | 40,000 | 150,600 | 171,600 | 167,200 | 470,600 | - | 1,000,000 |
| P3 Consortium (Future Tax Supported Debt) | - | | | - | - | 28,000 | 76,270 | 100,166 | 100,166 | 228,698 | - | 533,300 |
| Total Financing Stage 1b | | | | | | 86,000 | 234,270 | 307,666 | 282,666 | 702,398 | | 1,613,000 |
| Total Financing Stage 1 | 60,000 | | | 25,000 | 30,000 | 91,000 | 234,270 | 307,666 | 282,666 | 702,398 | | 1,673,000 |
| Stage 2 - Centre West LRT Station to 107 Street (Grant McEwan/NorQuest) | | | | | | | | | | | | |
| | Budget Request | Prior Year | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020-26 | Total |
| Tax Supported Debt - City of Edmonton | - | | | - | - | - | - | - | - | - | 66,667 | 66,667 |
| Other Orders of Government | - | | | - | - | - | - | - | - | - | 133,333 | 133,333 |
| Total Financing | | | | | | | | | | | 200,000 | 200,000 |
| Stage 3 - 107 Street (Grant McEwan/Norquest) to 156 Street (Jasper Place Transit Centre) | | | | | | | | | | | | |
| | Budget Request | Prior Year | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020-26 | Total |
| Tax Supported Debt - City of Edmonton | - | | | - | - | - | - | - | - | - | 133,333 | 133,333 |
| Other Orders of Government | - | | | - | - | - | - | - | - | - | 266,667 | 266,667 |
| Total Financing | | | | | | | | | | | 400,000 | 400,000 |
| Stage 4 - 156 Street (Jasper Place Transit Centre) to West Edmonton Mall Transit Centre | | | | | | | | | | | | |
| | Budget Request | Prior Year | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020-26 | Total |
| Tax Supported Debt - City of Edmonton | - | | | - | - | - | - | - | - | - | 166,667 | 166,667 |
| Other Orders of Government | - | | | - | - | - | - | - | - | - | 333,333 | 333,333 |
| Total Financing | | | | | | | | | | | 500,000 | 500,000 |
| Stage 5 - West Edmonton Mall Transit Centre to Lewis Farms Transit Centre | | | | | | | | | | | | |
| | Budget Request | Prior Year | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020-26 | Total |
| Tax Supported Debt - City of Edmonton | - | | | - | - | - | - | - | - | - | 91,667 | 91,667 |
| Other Orders of Government | - | | | - | - | - | - | - | - | - | 194,333 | 194,333 |
| Total Financing | | | | | | | | | | | 286,000 | 286,000 |
| The LRT line is expected to be operational for a 75-100 year period. Various equipment, structures, and assets and along the right of way will have design life ranging from 10 to 50 years. Design life for the light rail vehicles is 35 years. | | | | | | | | | | | | |
| Operating Impacts | | | | | | | | | | | | |
| The annual operating costs are estimated at \$25 million. | | | | | | | | | | | | |
| Justification | | | | | | | | | | | | |
| Strategic Objective 5.1 of The Transportation Master Plan (2009) Bylaw 15101, approved by City Council in December 2009. | | | | | | | | | | | | |
| Constructing the LRT from Mill Woods to Lewis Estates meets the objectives of the Transportation Master Plan and the LRT Network Plan. | | | | | | | | | | | | |
| Project Cost Breakdown | | | | | | | | | | | | |
| Construction, Design and Equipment | | | | | | | | | | | \$2,945,000 | |
| Land | | | | | | | | | | | 216,000 | |
| | | | | | | | | | | | \$3,161,000 | |
| Last Updated: | | | 20-Feb-13 | | | | | | | | | |