



Project Memo

Subject:	Road Construction Cost Estimates & Recommendations		
Project Name:	Municipality of St.-Charles Engineering Design of Village Streets	Project #:	NTB-23000213-01/02
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Date:	December 4, 2024	Page 1	

The following budget estimates have been prepared by EXP for the Municipality of St.-Charles for the approximate reconstruction costs of various roadways in the Municipality of St. Charles. The budget estimates are based on the road designs completed by EXP, and include the cost of storm sewers, all sanitary sewers that have been identified as in need of replacement by EXP through the review of the Municipality’s CCTV inspection footage, construction mobilization, performance/bid/maintenance bonding, traffic management and control, environmental protection, construction material and compaction testing, CCTV inspection of new sewer installation, roadside ditching, driveway culvert replacement, asphalt and concrete sidewalks, asphalt and concrete curbs and gutters, driveway restorations, grass/lawn restorations, and 10% contingency. These budget estimates have been developed using unit rates for materials on construction projects of similar size and scale, and based on the experience of EXP.

This memo is intended to inform council of the anticipated costs of each roadway designed by EXP, to prioritize the reconstruction of Village Roadways, and to assist the Municipality in determining what projects to tender in the spring of 2025.

Estimated Municipal Budget of Reconstruction

The table provided on the next page provides a description of the reconstruction work that will need to be performed, the replacement priority based on condition and funding constraints, the anticipated Municipal budget, and comments that may impacting the construction. All budgets include: insurance, bonding, environmental protection, traffic/pedestrian control, CCTV inspection of new sewers, all reconstruction items, an allowance for material and compaction testing, and a 10% contingency fund. Completing more multiple projects simultaneously will likely result in cost-saving. The values provided in the table have been rounded to the nearest \$10,000.00.

In order to complete the storm sewer replacement of King Street E, the storm sewer on Casimir Rd also needs to be replaced. To avoid the additional cost of reconstructing Casimir Road, the storm sewer replacement on Casimir Road can be completed with the King St E construction, and the reconstruction of Casimir can be completed at a later time. A separate budget for this work can be provided by EXP upon request.



Section I.D.	Anticipated Municipal Budget (HST Excluded)	Roadway Section	Replacement Description	Replacement Priority	Other Comments
1	\$2,090,000.00	King Street East	Reconstruction of King Street E, including new granular base and subbase, storm sewers, subdrains, sanitary lids and modoloc, concrete curb and gutters, concrete sidewalks, and asphalt surface.	1	Storm Sewer Replacement requires the replacement of Casimir Rd Storm Sewer to provide a sufficient outlet
2	\$1,080,000.00	Casimir Road	Reconstruction of Casimir Rd, including new granular base and subbase, subdrains, storm sewers, sanitary lids and modoloc, asphalt gutter, asphalt sidewalk to community centre, roadside parking on both sides of road, and asphalt surface.	1	None
3	\$590,000.00	John Street	Reconstruction of John Street, including new granular base and subbase, subdrains, storm sewers, roadside ditch, sanitary lids and modoloc, asphalt gutter and sidewalk (on one side), and asphalt surface.	5	Must be completed after King Street E Construction

Section I.D.	Recommended Municipal Budget (HST Excluded)	Roadway Section	Replacement Description	Replacement Priority	Other Comments
4	\$540,000.00	Hector Street	Reconstruction of Hector Street, including new granular base and subbase, driveway culverts, roadside ditch, sanitary lids and moduloc, and asphalt surface.	6	Must be completed after King Street E and John Street Construction
5	\$530,000.00	Lapansee Street	Reconstruction of Lapansee Street, including new granular base and subbase, driveway culverts, roadside ditch, sanitary lids and moduloc, and asphalt surface.	7	Must be completed after King Street E Construction
6	\$1,160,000.00	St. Joseph Street	Reconstruction of St. Joseph St Street, including new granular base and subbase, Storm Sewers, asphalt gutters, asphalt sidewalk (one side), sanitary lids and moduloc, new drainage outlet to Municipal drain, improvements Branconnier-Grant Drain and asphalt surface.	2	Must be completed before Notre Dame or St. Anne construction.

Section I.D.	Recommended Municipal Budget (HST Excluded)	Roadway Section	Replacement Description	Replacement Priority	Other Comments
7	\$840,000.00	Notre Dame Street	Reconstruction of Notre Dame Street, including new granular base and subbase, Storm Sewers, asphalt gutters, asphalt sidewalk (one side), roadside ditch, driveway culverts, sanitary lids and moduloc, and asphalt surface.	3	Must be completed after St. Joseph Street Construction
8	\$520,000.00	St. Anne Street	Reconstruction of St. Anne Street, including new granular base and subbase, driveway culverts, roadside ditch, storm sewers, sanitary lids and moduloc, and asphalt surface.	4	Must be completed after St. Joseph Street Construction
9	\$720,000.00	Chevrefils Lane	Reconstruction of Chevrefils Lane to cul-de-sac, including new granular base and subbase, driveway culverts, roadside ditch, sanitary lids and moduloc, and asphalt surface.	8	This included the complete reconstruction of Chevrefils Road to the cul-de-sac. This budget can be significantly reduced by only reconstructing the first 100m until remaining development on Chevrefils Lane is completed.

Note: Costs Rounded up to the nearest \$10,000.



Recommendation

EXP understands that the Municipality secured some funding which is tied to King Street E, and recommends that the Municipality proceed with tendering King Street E and Casimir Road in the winter of 2025.