

TOWN OF NEWMARKET
MILLARD AVENUE CULVERT REPLACEMENT

Ainley Project No. 217007

60% Design Estimate

Item No.	Spec. No.	Description	Unit	Estimated Quantity	Unit Price	Total Price
1.0 GENERAL WORK						
1.1		Mobilization & Demobilization	LS	1	\$15,000.00	\$15,000.00
1.2		Field Office	LS	1	\$4,000.00	\$4,000.00
1.3		Bonding	LS	1	\$12,000.00	\$12,000.00
1.4		Insurance	LS	1	\$6,000.00	\$6,000.00
1.5	MUNI 182 805	Environmental Protection	LS	1	\$5,000.00	\$5,000.00
1.6		Watercourse Control	LS	1	\$7,500.00	\$7,500.00
1.7	MUNI 706	Traffic Control and Signage	LS	1	\$10,000.00	\$10,000.00
1.8		Construction Layout	LS	1	\$5,000.00	\$5,000.00
2.0 REMOVALS						
2.1	201	Clearing and Grubbing	LS	1	\$5,000.00	\$5,000.00
2.2	MUNI 510	Removal of Asphalt Pavement	m ²	392.7	\$10.00	\$3,927.00
2.3	MUNI 510	Removal of Asphalt Pavement, Partial Depth	m ²	18.3	\$15.00	\$274.50
2.4	MUNI 510	Removal of Concrete Curb and Gutter	m	90.1	\$20.00	\$1,802.00
2.5	MUNI 510	Removal of Concrete Sidewalk and Boulevard	m ²	128.2	\$10.00	\$1,282.00
2.6	MUNI 510	Removal of Storm Sewer Pipe	m	8.7	\$300.00	\$2,610.00
2.7		Removal of Watermain	m	0	\$100.00	\$0.00
2.8	MUNI 510	Removal of Culverts and Structure	LS	1	\$18,000.00	\$18,000.00

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3.0 STORM SEWER						
3.1		1350mm dia. Concrete Storm Sewer Pipe and Connection to Existing	LS	1	\$7,500.00	\$7,500.00
3.2		2400mm Dia. MH	ea.	1	\$12,000.00	\$12,000.00
3.3		735 x 1145 mm Elliptical Concrete Pipe Sewer	m	3	\$2,400.00	\$7,200.00
3.4		300 mm Dia. Concrete Storm Sewer Pipe (Ditch Inlet)	m	7.2	\$450.00	\$3,240.00
4.0 WATERMAIN WORKS						
4.1		200mm Dia. HDPE DR11 Watermain by Horizontal Directional Drill	m	50	\$400.00	\$20,000.00
4.2		150 mm Dia. PVC DR11 Watermain by Open Cut	m	11	\$280.00	\$3,080.00
4.3		150mm dia. Gate Valve	ea.	2	\$2,800.00	\$5,600.00
4.4		Connect to Existing Watermain	ea.	2	\$3,000.00	\$6,000.00
4.5		Watermain Testing and Disinfection	LS	1	\$6,500.00	\$6,500.00

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5.0 ROAD WORKS						
5.1		Road Excavation and Grading	m ³	411	\$35.00	\$14,385.00
5.2		Hot Mix Asphalt, Superpave 12.5 Surface Course	t	40.4	\$160.00	\$6,464.00
5.3		Hot Mix Asphalt, Superpave 19.0 Base Course	t	80.7	\$150.00	\$12,105.00
5.4		Tack Coat	m ²	18.3	\$1.00	\$18.30
5.5		Granular 'A' Road Base	t	144.3	\$30.00	\$4,329.00
5.6		Granular 'B' Subbase	t	433	\$20.00	\$8,660.00
5.7		Concrete Sidewalk	m ²	128.2	\$100.00	\$12,820.00
5.8		Concrete Curb and Gutter	m	90.1	\$110.00	\$9,911.00
5.9		Adjust Maintenance Hole Frame and Cover	ea.	1	\$750.00	\$750.00
5.10		Adjust Catch Basin Frame and Grate	ea.	2	\$800.00	\$1,600.00
5.11		Relocate Existing Signs	ea.	3	\$100.00	\$300.00
5.12		Pavement Markings – Lines, Temporary	m	270.3	\$5.00	\$1,351.50
5.13		Pavement Markings – Lines, Durable	m	270.3	\$12.00	\$3,243.60
5.14		Flexible Delineator Posts	ea.	2	\$500.00	\$1,000.00

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6.0 CULVERT WORKS						
6.1	MUNI 539 902	Earth Excavation for Structure	LS	1	\$12,000.00	\$12,000.00
6.2	518 902	Dewatering of Structure Excavations	LS	1	\$8,000.00	\$8,000.00
6.3	902 MUNI 1010	Granular Structure Backfill (Granular 'B' – Type II)	t	548.2	\$35.00	\$19,187.00
6.4	422 1821	2400 x 1200 mm Precast Concrete Box Culvert	m	93.1	\$5,260.00	\$489,706.00
6.5	MUNI 904 MUNI 1350	Concrete in Headwall	m ³	1.4	\$1,500.00	\$2,100.00
6.6	MUNI 905	Reinforcing Steel	t	1	\$3,500.00	\$3,500.00
6.7	MUNI 904	Dowels in Concrete	ea.	40	\$100.00	\$4,000.00
7.0 RESTORATION						
7.1	511	River Stone	m ²	44	\$300.00	\$13,200.00
7.2	802	Topsoil, Imported	m ³	108.6	\$40.00	\$4,344.00
7.3		Sod	m ²	27	\$10.00	\$270.00
7.4	MUNI 804	Seed and Cover	m ²	724.3	\$5.00	\$3,621.50

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8.0 PROVISIONAL ITEMS						
8.1	MUNI 206 902	Subexcavation of Unsuitable Material	m ³	100	\$40.00	\$4,000.00
8.2		Imported Granular 'B' Fill Material	t	50	\$13.00	\$650.00
8.3		Test Holes	ea.	10	\$350.00	\$3,500.00
8.4		Unshrinkable Fill	m ³	70	\$110.00	\$7,700.00
8.5		Spade or Replant/Replace Trees	ea.	2	\$500.00	\$1,000.00
8.6		Temporary Utilities Support Allowance		1	\$15,000.00	\$15,000.00
SUBTOTAL - 1.0 GENERAL WORK						\$64,500.00
SUBTOTAL - 2.0 REMOVALS						\$32,895.50
SUBTOTAL - 3.0 STORM SEWER						\$29,940.00
SUBTOTAL - 4.0 WATERMAIN WORKS						\$41,180.00
SUBTOTAL - 5.0 ROAD WORKS						\$76,937.40
SUBTOTAL - 6.0 CULVERT WORKS						\$538,493.00
SUBTOTAL - 7.0 RESTORATION						\$21,435.50
SUBTOTAL - 8.0 PROVISIONAL ITEMS						\$31,850.00
TOTAL TENDER PRICE (EXCLUDING HST)						\$837,231.40
HST (13%)						\$108,840.08
CONTINGENCY ALLOWANCE						\$84,000.00
TOTAL TENDER PRICE (INCLUDING HST)						\$1,030,071.48