

Contract Title Elkford Downtown Core Design Ref # 2441-001278-00Author Kevin Mohr, P.Eng Date May 16, 2022

Item #	Section	Description
1	Form of Tender – Appendix A – Schedule of Quantities and Prices	Re-issue and replace Form of Tender Appendix A - Schedule of Quantiles and Prices with the attached Revision 4.
Questions and Answers		
	Q1	What fittings are included in the tie-in pricing?
	A1	The fittings, bends, and coupling shown on DWG C-306 are included in the tie-in pricing.
Clarifications:		
1		The 75mm DB2 Fibre Optic Conduit on the north side of Boivin Creek may be installed in the same trench as the pathway street lighting electrical conduit. Item 3.34a has been added so that a separate price can be given by the tenderers for 75mm DB2 Fibre Optic Conduit layed in the same trench as the street lighting electrical conduit.

List of attachments:

1. Form of Tender Appendix A – Schedule of Quantities and Prices Rev 4

Tenderer's Signature

SUMMARY SHEET

Downtown Core Design
 Revision #4 - Addendum #4

CONTRACTOR: _____

DATE: _____

DIVISION	TITLE	TOTAL COSTS
Div 01	General Requirements	
Div 03	Concrete	
Div 26	Electrical	
Div 31	Earthwork	
Div 32	Roads and Site Improvements	
Div 33	Utilities	
	Subtotal	
	5% GST	
	TOTAL	
OPTIONAL WORK		
	1. Div 26 Electrical BC Hydro Optional Work	
	2. Alpine Way at Highway 43 (MOTI approval req.)	
	3. Elk Street	
	4. Boivin Road Sidewalk and Curb	
	5. Sidewalk to Future Senior's Home	
	Subtotal	
	5% GST	
	TOTAL	

Appendix 1 - Schedule of Quantities

Div 01 - General Requirements						
Section	Para	Specification Title	Unit	Quantity	Unit Price	Amount
01 33 01		Project Record Documents				
1.10		Project Record Documents	Lump Sum	1		
01 51 01		Temporary Utilities and Lighting				
1.2	1.6.1	Temporary Utilities and Lighting	Note			Incidental
01 52 01		Temporary Structures				
1.3	1.6.1	Temporary Structures	Note			Incidental
01 53 01		Temporary Facilities				
1.4	1.9.1	Temporary Facilities	Note			Incidental
01 55 00		Traffic Control, Vehicle Access and Parking				
1.5	1.5.1	Traffic Control, Vehicle Access and Parking	Lump Sum	1		
01 58 01		Project Identification				
1.6	1.3.1	Project Identification	Note			Incidental
SUBTOTAL:						

Div 03 - Concrete						
Section	Para	Specification Title	Unit	Quantity	Unit Price	Amount
03 30 20		Concrete Walks, Curb And Gutter				
3.1	1.4.1	Excavation, fill, subgrade to be under 31 24 13 Roadway Excavation Embankment and Compaction	Note			
3.2	1.4.2	Granular Subbase and granular base under curb & gutter to be under 31 11 23 Granular Base and 32 11 16.1 Granular Subbase	Note			
3.3	1.4.3	Machine Placed or Precast Curb & Gutter	Lineal Metres	1700		
3.4	1.4.5	Concrete Walks, Infill Strips and Walkways Variable Width Including ramps. (specify) finish and 100mm thickness)	Square Metres	2565		
3.5	1.4.6	Driveway Crossings 100mm thickness c/w ramps , granular base, compaction	Each	33		
3.6		Concrete in Fill Strip 100mm thickness c/w granular base, compaction	Square Metres	147		
3.7	1.4.8	Adjustments to Frames, Covers, Lids, Valve, Junction Boxes ,Catchbasins, Inspection Chambers	Note			Incidental
03 40 01		Pre-Cast Concrete				
3.8	1.4.4	Install Concrete NoPost Barriers	Lineal Metres	50		
3.9	1.4.5	Relocate Concrete NoPost Barriers	Linear Metres	17.5		
SUBTOTAL:						

Div 26 - Electrical						
Section	Para	Specification Title	Unit	Quantity	Unit Price	Amount
26 56 01		Roadway Lighting (DWGs E001-002)				
26.1	1.9.1	Streetlight Base - Type C	ea.	25		
26.2		Streetlight Base - Type C1	ea.	3		
26.3		9m Streetlight Pole	ea.	25		
26.4		8.1m Streetlight Pole	ea.	3		
26.5		Streetlight cobra head luminaire	ea.	28		
26.6		Streetlight service base c/w distribution panel	ea.	3		
26.7		Service connection to existing	LS	1		
26.8		50mm RPVC conduit c/w 3c #10 RW90	Lineal Metres	1096		
26.9		Trenching and Backfill	Lineal Metres	1096		

26 56 01		Pathway Lighting (DWGs E100-103)				
26.10		Pathway concrete base - Type B	EA	18		
26.11		5m Pathway Pole	EA	18		
26.12		Decorative pathway luminaire	EA	18		
26.13		In grade junction box	EA	3		
26.14		Service connection to existing	LS	1		
26.15		25mm RPVC conduit c/w 3c #10 RW90	Lineal Metres	585		
26.16		Trenching and backfill	Lineal Metres	585		

Div 26 - Electrical OPTIONAL WORK						
Section	Para	Specification Title	Unit	Quantity	Unit Price	Amount
		BC Hydro Infrastructure Relocation	Lump Sum	1		

SUBTOTAL:	
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Div 31 - Earthworks						
Section	Para	Specification Title	Unit	Quantity	Unit Price	Amount
31 11 01		Clearing and Grubbing				
31.1	1.4.1, 1.4.2	Clearing and Grubbing	Square Metre	2400		
31.2	1.4.2	Isolated Tree Clearing (As Required)	Each	5		
31 22 16		Reshaping Granular Roadbed				
31.3	1.4.1	Reshaping Granular Roadbed	Square Metre	17176		
31 24 13		Roadway Excavation, Embankment and Compaction				
31.4	1.8.4	Remove Existing Asphalt via full-depth milling or asphalt stripping	Square Metres	22000		
31.5	1.8.4	Remove Existing Asphalt or Concrete Pavement, Sidewalks, Utility Strips, Driveways	Square Metres	920		
31.6	1.8.4	Remove Existing Concrete Curbs and Gutters	Lineal Metres	1565		
31.7	1.8.5	Common Excavation - Off-Site Disposal	Cubic Metres	720		
31.8	1.8.7	Import Common Fill- Parking Lot Area	Cubic Metres	356		
SUBTOTAL:						

Div 32 - Roads and Site Improvements						
Section	Para	Specification Title	Unit	Quantity	Unit Price	Amount
32 11 23		Granular Base				
32.1A	1.4.2	Granular Base 100mm depth 19 mm minus - Below Curb and Gutter and Sidewalks	Tonnes	1312		
32.1	1.4.2	Granular Base 19 mm minus - Variable Thickness for Road Reshaping	Tonnes	1896		
32 12 13.1		Asphalt Tack Coat				
32.2	1.5.1	Asphalt Tack Coat	Square Metres	17235		
32 12 16		Hot-Mix Asphalt Concrete Paving				
32.3	1.5.1, 1.5.2	Asphalt Pavement 100 mm Thickness (2 lifts)	Square Metres	17235		
32.4	1.5.3	Asphalt Multi-Use Pathway 75 mm thickness	Square Metres	1284		
32.5	1.5.3	Asphalt Driveway 50 mm thickness	Square Metres	286		
32.6	1.5.7	Saw Cut Asphalt or Concrete Pavements	Lineal Metres	244		
32 17 23		Painted Pavement Markings				
32.7	1.5.2	Permanent Painted Pavement Markings	Lump Sum	1		
32.8	1.5.4	Traffic Control Signs - Rectangular Rapid Flashing Beacon (RRFB) Traffic control signs on drawings price is per sign location inclusive of posts, base, hardware and blades	Lump Sum	0		
32.9	1.5.4	Traffic Control Signs Traffic control signs on drawings price is per sign location inclusive of posts, base, hardware and blades, this includes relocation of existing signs	Each	32		
31 22 16		Reshaping Granular Roadbed				
32.1	1.4.1	Reshaping Granular Roadbed	Square Metres	0		
32 91 13-16		Mulching				
32.11		450mm shrub bed excavation & disposal (316 sq.m approx.)	Cubic Metres	142		
32.12		350mm depth imported topsoil for planting beds (316 sq.m approx.)	Cubic Metres	111		
32.13		100mm depth shredded self binding wood mulch (316 sq.m. approx.)	Cubic Metres	32		
32 92 23		Sodding				
32.14		100mm depth topsoil in sod areas (229 sq.m approx.)	Cubic Metres	23		
32.15		Sod Area	Square Metres	229		
32.16		100mm depth topsoil in sod restoration areas (2203 sq.m approx.)	Cubic Metres	220		

Div 32 - Roads and Site Improvements						
Section	Para	Specification Title	Unit	Quantity	Unit Price	Amount
32.17		Restoration Sod Area	Square Metres	2203		
32 93 00		Plants				
32.18		Boulevard Tree	Each	5		
32.19		Shrubs	Each	276		
		Site Furniture				
32.20		Wishbone MCSB-6 Mountain Classic Bench 6' (Supply only, Install By Others)	Each	4		
32.21		Wishbone HFB-32S All Metal With Recycled Plastic Siding Waste Receptacle (Supply Only, Install By Others)	Each	2		
32.22		Wishbone SLBRP-37 Sentinel 2 space Bicycle Rack (Supply Only, Install By Others)	Each	6		
32.23		Root Barrier	Square Metres	20		
SUBTOTAL:						

Appendix 1 - Schedule of Quantities

Div 33 - Utilities						
Section	Para	Specification Title	Unit	Quantity	Unit Price	Amount
33 11 01		Waterworks				
	1.8.2	Payment for watermain includes saw cutting, trench excavation, disposal of surplus excavated material, bedding, supply and installation of all pipe, bolts ,gaskets and tie-rods, imported or native backfill as specified, cleaning, pressure and leakage testing, flushing, disinfection and surface restoration under 31 23 01	Note			
33.1	1.8.1, 1.8.2	Watermain PVC 200 mm diameter depth of main 3-4m Imported Backfill	Lineal Metres	374		
33.2	1.8.3	In-line Gate Valves 200 mm diameter CI-CI, CI-FL, or FL-FL	Each	11		
33.3	1.8.3	Tee 200 mm diameter 200 mm x 200 mm x 200 mm DI	Each	4		
33.4	1.8.3	Bend 200 mm diameter 90 Degree Bend PVC	Each	3		
33.5	1.8.4	Water Service Connections 38mm diameter	Each	7		
33.6	1.8.13	Watermain Tie-In to PRV	Lump Sum	1		
33.7	1.8.13	Watermain Tie-In on Fording Drive	Lump Sum	1		
33.8	1.8.13	Watermain Tie-In on Boivin Drive North	Lump Sum	1		
33.9	1.8.13	Watermain Tie-In on Boivin Drive Sosuth	Lump Sum	1		
34.10	1.8.13	Watermain Tie-In on Alpine Way from Laneway	Lump Sum	1		
34.11	1.8.13	Watermain Tie-In North of Parking Lot	Lump Sum	1		
34.12	1.8.14S	Hydrant Relocation on Alpine Way at HWY 43	Lump Sum	1		
34.13	1.8.15S	Hydrant Relocation on Alpine Way between Elk Street and Boivin Drive	Lump Sum	1		
34.14	SS	Decommish existing water wells	Each	3		
33 30 01		Sanitary Sewers				
34.15	1.6.2	Payment for sanitary sewers includes saw cutting, trench excavation, disposal of surplus excavated material, bedding, supply and installation of all pipe, fittings and related material, imported or native backfill as specified, cleaning, flushing and testing, and surface restoration under 31 23 01	Note			
34.16	1.6.1, 1.6.2	Sewer Pipe 200 mm PVC for depth of main 3-4 m Imported Backfill	Lineal Metres	410		
34.17	1.6.1, 1.6.2	Sewer Pipe 250 mm PVC for depth of main 3-4 m Imported Backfill	Lineal Metres	161		
34.18	1.6.1, 1.6.2	Sewer Pipe 300 mm PVC for depth of main 3-4 m Imported Backfill	Lineal Metres	306		
34.19	1.6.3	Sanitary Service Connections (extend) 100 mm diameter	Each	16		
34.20	1.6.3	Sanitary Service Connections (complete) 100 mm diameter	Each	7		

Appendix 1 - Schedule of Quantities

Div 33 - Utilities						
Section	Para	Specification Title	Unit	Quantity	Unit Price	Amount
33 40 01		Storm Sewers				
	1.6.2	Payment for storm sewers includes saw cutting, trench excavation, disposal of surplus excavated material, bedding, supply and installation of all pipe, fittings and related material, imported or native backfill as specified, cleaning, flushing and testing, and surface restoration under 31 23 01	Note			
34.21	1.6.1, 1.6.2	Drainage Pipe 250 mm PVC SDR 35 for depth of main 1-2 m Imported Backfill	Lineal Metres	20		
34.22	1.6.1, 1.6.2	Drainage Pipe 450 mm PVC SDR 35 for depth of main 1-2 m Imported Backfill	Lineal Metres	27		
34.23	1.6.3	Drainage Service Connections 100 mm diameter per Standard Drawings S8	Each	4		
34.24	1.6.5	Catchbasin Lead 200 mm diameter	Lineal Metres	289		
34.25	1.6.9	Drainage Tie -In 200 mm diameter into existing manhole	Lump Sum	1		
33 42 13		Pipe Culvert				
	1.5.2	Payment for pipe culverts includes saw cutting, trench excavation, disposal of surplus excavated material, bedding, supply and installation of all pipe, fittings and related material, imported or native backfill as specified, cleaning, and surface restoration under 31 23 01	Note			
34.26	1.5.3	Storm Outlet Structure with safety grillage Concrete bag type for 450 mm diameter pipe	Each	1		
33 44 01		Manholes and Catchbasins				
	1.5.1	Payment for manhole base, lid, slab, frame, and cover includes all details shown on MMCD Standard Drawings S1, S2, S3,S4 and S5 except for risers.	Note			
34.27	1.5.1.1	Sanitary Manhole base, lid, slab, cover and frame 1050 mm diameter	Each	12		
34.28	1.5.1.2	Sanitary Manhole Riser and Tee Riser 1050 diameter	Vertical Metres	36		
34.29	1.5.1.1	Storm Manhole base, lid, slab, cover and frame 1050 mm diameter	Each	4		
34.30	1.5.1.2	Storm Manhole Riser and Tee Riser 1050 diameter	Vertical Metres	10		
34.31	1.5.1.6	Add Manhole to Existing System 1050 mm diameter	Each	2		
34.32	1.5.2	Catchbasin Top Inlet Standard Drawing S11	Each	39		

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Div 33 - Utilities						
Section	Para	Specification Title	Unit	Quantity	Unit Price	Amount
34.33	N/A	Drywell	Each	1		
33 01 00		Fibre Optic				
34.34	SS	75 mm DB2 Conduit, <i>separate trench</i>	Lineal Metres	716		
34.34a	SS	75 mm DB2 Conduit in common trench with pathway lighting north side of Boivin Creek	Lineal Metres	585		
34.35	SS	Fibre Optic Pull Boxes	Each	10		
					SUBTOTAL:	

Appendix 1 - Schedule of Quantities

All work in this section to be Optional Work as per MMCD GC 1.48

Alpine Way at Highway 43						SUBTOTAL:	
Section	Para	Specification Title	Unit	Quantity	Unit Price	Amount	
03 30 20		Concrete Walks, Curb And Gutter					
35.1	1.4.1	Excavation, fill, subgrade to be under 31 24 13 Roadway Excavation Embankment and Compaction	Note				
35.2	1.4.2	Granular Subbase and granular base under curb & gutter to be under 31 11 23 Granular Base and 32 11 16.1 Granular Subbase	Note				
35.3	1.4.3	Machine Placed or Precast Curb & Gutter	Lineal Metres	34			
31 24 13		Roadway Excavation, Embankment and Compaction					
35.4	1.8.4	Remove Existing Asphalt or Concrete Pavement, Sidewalks, Utility Strips, Driveways	Square Metres	280			
35.5	1.8.4	Remove Existing Concrete Curbs and Gutters	Square Metres	5			
35.6	1.8.9	Subgrade Preparation	Square Metres	287			
32 11 23		Granular Base					
35.7	1.4.2	Granular Base 25 mm minus - 150 mm Thickness for Roads	Tonnes	43			
32 12 13.1		Asphalt Tack Coat					
35.8	1.5.1	Asphalt Tack Coat	Square Metres	287			
32 12 16		Hot-Mix Asphalt Concrete Paving					
35.9	1.5.1, 1.5.2	Asphalt Pavement 100 mm Thickness (2 lifts)	Square Metres	287			
35.1	1.5.7	Saw Cut Asphalt or Concrete Pavements	Lineal Metres	44			
32 17 23		Painted Pavement Markings					
35.11	1.5.2	Permanent Painted Pavement Markings	Lump Sum	1			
35.12	1.5.4	Traffic Control Signs Traffic control signs on drawings price is per sign location inclusive of posts, base, hardware and blades	Each	2			
		Landscaping					
35.13		Landscaping	Lump Sum	1			
32 01 11		Pavement Surface Cleaning and Remove Pavement Marking					
35.14	1.2.3	Remove Pavement Markings	Lump Sum	1			
Elk Street						SUBTOTAL:	
Section	Para	Specification Title	Unit	Quantity	Unit Price	Amount	
03 30 20		Concrete Walks, Curb And Gutter					

Appendix 1 - Schedule of Quantities

All work in this section to be Optional Work as per MMCD GC 1.48

35.15	1.4.1	Excavation, fill, subgrade to be under 31 24 13 Roadway Excavation Embankment and Compaction	Note			
35.16	1.4.2	Granular Subbase and granular base under curb & gutter to be under 31 11 23 Granular Base and 32 11 16.1 Granular Subbase	Note			
35.17	1.4.3	Machine Placed or Precast Curb & Gutter	Lineal Metres	253		
35.18	1.4.5	Concrete Walks, Infill Strips and Walkways 1.5 m Width, Including ramps, 100mm thickness	Square Metres	192		
31 24 13 Roadway Excavation, Embankment and Compaction						
35.19	1.8.5	Common Excavation - Off-Site Disposal	Cubic Metres	128		
35.20	1.8.4	Remove Existing Concrete Curbs and Gutters	Square Metres	253		
35.21	1.8.9	Subgrade Preparation	Square Metres	256		
32 12 16 Hot-Mix Asphalt Concrete Paving						
35.22	1.5.1, 1.5.2	Asphalt Pavement 100 mm Thickness (2 lifts)	Square Metres	256		
35.23	1.5.7	Saw Cut Asphalt or Concrete Pavements	Lineal Metres	208		

32 17 23 Painted Pavement Markings						
35.24	1.5.2	Permanent Painted Pavement Markings	Lump Sum	1		

Landscaping						
35.25		Landscaping	Lump Sum	1		

32 01 11 Pavement Surface Cleaning and Remove Pavement Marking						
35.26	1.2.3	Remove Pavement Markings	Lump Sum	1		

33 40 01 Storm Sewers						
35.27	1.6.1, 1.6.2	Drainage Pipe 250 mm PVC SDR 35 for depth of main 1-2 m Imported Backfill	Lineal Metres	76		
35.28	1.6.5	Catchbasin Lead 200 mm diameter	Lineal Metres	28		

33 44 01 Manholes and Catchbasins						
35.29	1.5.1.1	Storm Manhole base, lid, slab, cover and frame 1050 mm diameter	Each	1		
35.30	1.5.1.2	Storm Manhole Riser and Tee Riser 1050 diameter	Vertical Metres	2		
35.31	1.5.2	Catchbasin Top Inlet Standard Drawing S11	Each	2		

Boivin Road Sidewalks and Curbs				SUBTOTAL:		
03 30 20 Concrete Walks, Curb And Gutter						
35.32	1.4.1	Excavation, fill, subgrade to be under 31 24 13 Roadway Excavation Embankment and Compaction	Note			
35.33	1.4.2	Granular Subbase and granular base under curb & gutter to be under 31 11 23 Granular Base and 32 11 16.1 Granular Subbase	Note			

Appendix 1 - Schedule of Quantities

All work in this section to be Optional Work as per MMCD GC 1.48

35.34	1.4.3	Machine Placed or Precast Curb & Gutter	Lineal Metres	157		
35.35	1.4.5	Concrete Walks, Infill Strips and Walkways 1.5 m Width, Including ramps, 100mm thickness	Square Metres	309		

32 17 23		Painted Pavement Markings				
35.36	1.5.2	Permanent Painted Pavement Markings	Lump Sum	1		
31 24 13		Roadway Excavation, Embankment and Compaction				
35.37	1.8.4	Remove Existing Concrete Curbs and Gutters	Square Metres	157		

Senior Home Sidewalk					SUBTOTAL:	
03 30 20		Concrete Walks, Curb And Gutter				
35.38	1.4.1	Excavation, fill, subgrade to be under 31 24 13 Roadway Excavation Embankment and Compaction	Note			
35.39	1.4.2	Granular Subbase and granular base under curb & gutter to be under 31 11 23 Granular Base and 32 11 16.1 Granular Subbase	Note			
35.40	1.4.5	Concrete Walks, Infill Strips and Walkways 1.5 m Width, Including ramps, 100mm thickness	Square Metres	20		