

Engineer's Opinion of Probable Construction Cost

**Municipal Center Improvements
 Preliminary Design
 Poland, Maine**

Project #: 2017-084
 Date: 01/16/18
 Computed by: MKT/TCB
 Checked by: JMM

Phase 2 Improvements - West Half (Town Hall)

Description	Unit	Unit Cost	Quantity	Total Cost
Earthwork/Demolition			Subtotal	\$ 9,552
Clearing	SY	\$ 5.00	0	\$ -
Removal of Single Tree Top	EA	\$ 700.00	0	\$ -
Removal of Stump	EA	\$ 500.00	0	\$ -
Removal of Existing Bituminous Surfaces	SY	\$ 10.00	0	\$ -
Sawcut Pavement	LF	\$ 2.50	0	\$ -
Common Excavation	CY	\$ 25.00	382	\$ 9,552
Base Courses			Subtotal	\$ 10,352
Aggregate Base Course - Type B	CY	\$ 40.00	44	\$ 1,749
Aggregate Subbase Course - Type D	CY	\$ 30.00	287	\$ 8,603
Pavements			Subtotal	\$ 30,562
Hot Mix Asphalt, 19 mm (Binder Course - 2 Inch)	Ton	\$ 95.00	28	\$ 2,639
Hot Mix Asphalt, 9.5 mm (Sidewalks - 2 Inch)	Ton	\$ 150.00	50	\$ 7,441
Hot Mix Asphalt, 9.5 mm (Wearing Course - 1 Inch)	Ton	\$ 100.00	16	\$ 1,608
Hot Mix Asphalt, 9.5 mm (Overlay - 1 Inch)	Ton	\$ 100.00	171	\$ 17,125
Bituminous Tack Coat, Applied	GAL	\$ 7.00	250	\$ 1,750
Drainage Construction			Subtotal	\$ 49,550
18 Inch Storm Drain Pipe	LF	\$ 110.00	125	\$ 13,750
Catch Basin 4 Foot Diameter	EA	\$ 4,500.00	2	\$ 9,000
Drainage Manhole 4 Foot Diameter	EA	\$ 4,000.00	1	\$ 4,000
Convert Catch Basin to Manhole	EA	\$ 1,000.00	1	\$ 1,000
Adjust Catch Basin or Manhole to Grade	EA	\$ 800.00	1	\$ 800
Core into Existing Catch Basin	EA	\$ 1,000.00	1	\$ 1,000
Stormwater Treatment System	EA	\$ 10,000.00	2	\$ 20,000
Sidewalk & Curb Construction			Subtotal	\$ 45,575
Construct Sidewalk	SY	\$ 50.00	428	\$ 21,400
Type 3 Bituminous Curb	LF	\$ 25.00	967	\$ 24,175
Incidental Construction			Subtotal	\$ 66,088
Loam, Seed and Mulch	SY	\$ 10.00	1,075	\$ 10,750
Landscape Plantings	LS	\$ 10,000.00	1	\$ 10,000
Site Amenities	LS	\$ 10,000.00	1	\$ 10,000
4 Inch White or Yellow Paint Pavement Markings	LF	\$ 0.75	2,730	\$ 2,048
Retroreflective Thermoplastic Paint Symbol	SF	\$ 6.00	15	\$ 90
Remove and Reset Sign	EA	\$ 200.00	1	\$ 200
Regulatory, Warning Confirmation Sign - Type 1	SF	\$ 50.00	10	\$ 500
Temporary Soil Erosion and Water Pollution Control	LS	\$ 2,500.00	1	\$ 2,500
Site Lighting	EA	\$ 6,000.00	5	\$ 30,000
Estimated Construction Costs				\$ 211,679
Mobilization/Demobilization		Unit	10%	\$ 21,170
CONSTRUCTION SUBTOTAL				\$ 232,849
Construction Engineering Services			0%	\$ -
Material Testing Services				\$ 3,000
CONSTRUCTION SUBTOTAL				\$ 235,849
Contingency		Unit	15%	\$ 35,370
Total Project Cost				\$ 271,219

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Phase 2 Improvements - East Half (Library)

Description	Unit	Unit Cost	Quantity	Total Cost
Earthwork/Demolition			Subtotal	\$ 35,473
Clearing	SY	\$ 5.00	0	\$ -
Removal of Single Tree Top	EA	\$ 700.00	0	\$ -
Removal of Stump	EA	\$ 500.00	0	\$ -
Removal of Existing Bituminous Surfaces	SY	\$ 10.00	0	\$ -
Sawcut Pavement	LF	\$ 2.50	0	\$ -
Common Excavation	CY	\$ 25.00	1,419	\$ 35,473
Base Courses			Subtotal	\$ 39,178
Aggregate Base Course - Type B	CY	\$ 40.00	181	\$ 7,251
Aggregate Subbase Course - Type D	CY	\$ 30.00	1,064	\$ 31,927
Pavements			Subtotal	\$ 44,103
Hot Mix Asphalt, 19 mm (Binder Course - 2 Inch)	Ton	\$ 95.00	229	\$ 21,776
Hot Mix Asphalt, 9.5 mm (Sidewalks - 2 Inch)	Ton	\$ 150.00	31	\$ 4,709
Hot Mix Asphalt, 9.5 mm (Wearing Course - 1 Inch)	Ton	\$ 100.00	112	\$ 11,192
Hot Mix Asphalt, 9.5 mm (Overlay - 1 Inch)	Ton	\$ 100.00	47	\$ 4,675
Bituminous Tack Coat, Applied	GAL	\$ 7.00	250	\$ 1,750
Drainage Construction			Subtotal	\$ 37,750
18 Inch Storm Drain Pipe	LF	\$ 110.00	125	\$ 13,750
Catch Basin 4 Foot Diameter	EA	\$ 4,500.00	2	\$ 9,000
Drainage Manhole 4 Foot Diameter	EA	\$ 4,000.00	1	\$ 4,000
Convert Catch Basin to Manhole	EA	\$ 1,000.00	0	\$ -
Adjust Catch Basin or Manhole to Grade	EA	\$ 800.00	0	\$ -
Core into Existing Catch Basin	EA	\$ 1,000.00	1	\$ 1,000
Stormwater Treatment System	EA	\$ 10,000.00	1	\$ 10,000
Sidewalk & Curb Construction			Subtotal	\$ 38,000
Construct Sidewalk	SY	\$ 50.00	273	\$ 13,650
Type 3 Bituminous Curb	LF	\$ 25.00	974	\$ 24,350
Incidental Construction			Subtotal	\$ 66,082
Loam, Seed and Mulch	SY	\$ 10.00	1,145	\$ 11,450
Landscape Plantings	LS	\$ 10,000.00	1	\$ 10,000
Site Amenities	LS	\$ 10,000.00	1	\$ 10,000
4 Inch White or Yellow Paint Pavement Markings	LF	\$ 0.75	2,730	\$ 2,048
Retroreflective Thermoplastic Paint Symbol	SF	\$ 6.00	14	\$ 84
Remove and Reset Sign	EA	\$ 200.00	0	\$ -
Regulatory, Warning Confirmation Sign - Type 1	SF	\$ 50.00	0	\$ -
Temporary Soil Erosion and Water Pollution Control	LS	\$ 2,500.00	1	\$ 2,500
Site Lighting	EA	\$ 6,000.00	5	\$ 30,000
Estimated Construction Costs				\$ 260,585
Mobilization/Demobilization		Unit	10%	\$ 26,060
CONSTRUCTION SUBTOTAL				\$ 286,645
Construction Engineering Services			0%	\$ -
Material Testing Services				\$ 3,000
CONSTRUCTION SUBTOTAL				\$ 289,645
Contingency		Unit	15%	\$ 43,440
Total Project Cost				\$ 333,085