

Job Number:	4160
WIN	27474.00
Project Name:	High Street Sidewalk Feasibility Study
Project Location:	Bath, Maine
Comments:	Opinion of Probable Cost - Concept Plan Construction Cost Estimate
Date:	6/4/2024

Calculated By: E. Robinson, T. Warren
Checked By: J. Winchenbach

- Notes:
1. Opinion of probable cost does not include engineering, construction inspection, right of way, environmental, or utility costs.
 2. Opinion of probable cost is based on the Progress Plans dated June 4, 2024.
 3. The unit prices are base upon recently constructed and/or bid projects from the Maine DOT and other LAP projects.

Bath - High Street Sidewalk Feasibility Study - Concept Plans															
				Section 1 - 0.42 Miles		Section 2 - 0.14 Miles		Section 3 - 0.18 Miles		Section 4 - 0.49 Miles		Total - 1.23 Miles			
				Getchell St to Ledge View Ln		Ledge View Ln to Lemont St		Lemont St to Webber Ave		Webber Ave to Bridge St		Getchell St to Bridge St			
Item	Item Description	Unit	Unit Price	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount		
	201.11	CLEARING	AC	\$ 10,000.00	0.25	\$ 2,500.00	0.15	\$ 1,500.00	0.05	\$ 500.00	0.20	\$ 2,000.00	0.65	\$ 6,500.00	
	201.23	REMOVING SINGLE TREE TOP ONLY	EA	\$ 2,000.00	6	\$ 12,000.00	10	\$ 20,000.00	12	\$ 24,000.00	13	\$ 26,000.00	41	\$ 82,000.00	
	201.24	REMOVING STUMP	EA	\$ 1,000.00	6	\$ 6,000.00	10	\$ 10,000.00	13	\$ 13,000.00	13	\$ 13,000.00	42	\$ 42,000.00	
	203.20	COMMON EXCAVATION	CY	\$ 50.00	800	\$ 40,000.00	260	\$ 13,000.00	350	\$ 17,500.00	1200	\$ 60,000.00	2610	\$ 130,500.00	
	203.21	ROCK EXCAVATION	CY	\$ 130.00	200	\$ 26,000.00	15	\$ 1,950.00	20	\$ 2,600.00	100	\$ 13,000.00	335	\$ 43,550.00	
	206.07	STRUCTURAL ROCK EXCAVATION - DRAINAGE & MINOR STRUCTURES	CY	\$ 250.00	200	\$ 50,000.00	30	\$ 7,500.00	40	\$ 10,000.00	100	\$ 25,000.00	370	\$ 92,500.00	
	304.10	AGGREGATE SUBBASE COURSE - GRAVEL	CY	\$ 65.00	930	\$ 60,450.00	350	\$ 22,750.00	510	\$ 33,150.00	1360	\$ 88,400.00	3150	\$ 204,750.00	
SP	403.208	HOT MIX ASPHALT, 12.5 MM NOMINAL MAXIMUM SIZE	T	\$ 225.00	65	\$ 14,625.00	35	\$ 7,875.00	45	\$ 10,125.00	110	\$ 24,750.00	255	\$ 57,375.00	
SP	403.209	HOT MIX ASPHALT, 9.5 MM NOMINAL MAXIMUM SIZE (SIDEWALKS, DRIVES, ISLANDS & INCIDENTALS)	T	\$ 250.00	220	\$ 55,000.00	60	\$ 15,000.00	90	\$ 22,500.00	260	\$ 65,000.00	630	\$ 157,500.00	
SP	403.213	HOT MIX ASPHALT, 12.5 MM NOMINAL MAXIMUM SIZE (BASE AND INTERMEDIATE BASE COURSE)	T	\$ 275.00	120	\$ 33,000.00	60	\$ 16,500.00	80	\$ 22,000.00	200	\$ 55,000.00	460	\$ 126,500.00	
	603.159	12 INCH CULVERT PIPE OPTION III	LF	\$ 100.00	40	\$ 4,000.00	15	\$ 1,500.00	65	\$ 6,500.00	15	\$ 1,500.00	135	\$ 13,500.00	
	604.092	CATCH BASIN TYPE B1-C	EA	\$ 5,000.00	5	\$ 25,000.00	3	\$ 15,000.00	2	\$ 10,000.00	8	\$ 40,000.00	18	\$ 90,000.00	
	604.16	ALTERING CATCH BASIN TO MANHOLE	EA	\$ 3,000.00	0	\$ -	0	\$ -	0	\$ -	1	\$ 3,000.00	1	\$ 3,000.00	
	604.18	ADJUSTING MANHOLE OR CATCH BASIN TO GRADE	EA	\$ 2,000.00	3	\$ 6,000.00	0	\$ -	1	\$ 2,000.00	3	\$ 6,000.00	7	\$ 14,000.00	
	605.09	6-INCH UNDERDRAIN TYPE B	LF	\$ 65.00	1450	\$ 94,250.00	365	\$ 23,725.00	0	\$ -	625	\$ 40,625.00	2440	\$ 158,600.00	
	605.11	12-INCH UNDERDRAIN TYPE C	LF	\$ 80.00	540	\$ 43,200.00	275	\$ 22,000.00	1220	\$ 97,600.00	1950	\$ 156,000.00	3985	\$ 318,800.00	
SP	606.1301	31" W-BEAM GUARDRAIL - MID-WAY SPLICE - SINGLE FACED	LF	\$ 60.00	0	\$ -	0	\$ -	0	\$ -	535	\$ 32,100.00	535	\$ 32,100.00	
SP	606.1303	31" W-BEAM GUARDRAIL - MID-WAY SPLICE, 15' RADIUS OR LESS	LF	\$ 85.00	0	\$ -	0	\$ -	0	\$ -	75	\$ 6,375.00	75	\$ 6,375.00	
SP	606.259	ANCHORAGE ASSEMBLY	EA	\$ 2,500.00	0	\$ -	0	\$ -	0	\$ -	3	\$ 7,500.00	3	\$ 7,500.00	
SP	608.26	CURB RAMP DETECTABLE WARNING FIELD	SF	\$ 125.00	74	\$ 9,250.00	20	\$ 2,500.00	20	\$ 2,500.00	90	\$ 11,250.00	204	\$ 25,500.00	
SP	609.21	CONCRETE SLIPFORM CURB	LF	\$ 15.00	1750	\$ 26,250.00	690	\$ 10,350.00	920	\$ 13,800.00	2830	\$ 42,450.00	6190	\$ 92,850.00	
	615.07	LOAM	CY	\$ 70.00	300	\$ 21,000.00	100	\$ 7,000.00	150	\$ 10,500.00	450	\$ 31,500.00	1000	\$ 70,000.00	
	618.13	SEEDING METHOD NUMBER 1	UN	\$ 60.00	22	\$ 1,320.00	8	\$ 480.00	10	\$ 600.00	30	\$ 1,800.00	70	\$ 4,200.00	
	619.12	MULCH	UN	\$ 50.00	22	\$ 1,100.00	8	\$ 400.00	10	\$ 500.00	30	\$ 1,500.00	70	\$ 3,500.00	
SP	626.3211	20-INCH DIAMETER FOUNDATION	LF	\$ 150.00	24	\$ 3,600.00	0	\$ -	0	\$ -	12	\$ 1,800.00	36	\$ 5,400.00	
	627.733	4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	LF	\$ 0.50	2150	\$ 1,075.00	750	\$ 375.00	950	\$ 475.00	3000	\$ 1,500.00	6850	\$ 3,425.00	
	627.75	WHITE OR YELLOW PAVEMENT & CURB MARKING	SF	\$ 3.00	515	\$ 1,545.00	0	\$ -	310	\$ 930.00	410	\$ 1,230.00	1235	\$ 3,705.00	
SP	643.63	RECTANGULAR RAPID FLASHING BEACON	LS	\$ 15,000.00	2	\$ 30,000.00	0	\$ -	0	\$ -	1	\$ 15,000.00	3	\$ 45,000.00	
	645.292	REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGNS TYPE II	SF	\$ 80.00	50	\$ 4,000.00	25	\$ 2,000.00	25	\$ 2,000.00	50	\$ 4,000.00	150	\$ 12,000.00	
SP	652.00	WORK ZONE TRAFFIC CONTROL	LS	\$ 100,000.00	0.34	\$ 34,000.00	0.11	\$ 11,000.00	0.15	\$ 15,000.00	0.40	\$ 40,000.00	1	\$ 100,000.00	
	656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LS	\$ 20,000.00	0.34	\$ 6,800.00	0.11	\$ 2,200.00	0.15	\$ 3,000.00	0.40	\$ 8,000.00	1	\$ 20,000.00	
	659.10	MOBILIZATION	LS	\$ 150,000.00	0.34	\$ 51,000.00	0.11	\$ 16,500.00	0.15	\$ 22,500.00	0.40	\$ 60,000.00	1	\$ 150,000.00	
				Construction Total:		\$ 662,965.00		\$ 231,105.00		\$ 343,280.00		\$ 885,280.00		\$ 2,122,630.00	
				20% Contingency:		\$ 132,593.00		\$ 46,221.00		\$ 68,656.00		\$ 177,056.00		\$ 424,526.00	
				Total Cost:		\$ 795,558.00		\$ 277,326.00		\$ 411,936.00		\$ 1,062,336.00		\$ 2,547,156.00	
				Rounded:		\$ 796,000.00		\$ 278,000.00		\$ 412,000.00		\$ 1,063,000.00		\$ 2,548,000.00	

SP :Special Provisions

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				Getchell St to Ledge View Ln		Ledge View Ln to Lemont St		Lemont St to Webber Ave		Webber Ave to Bridge St		Getchell St to Bridge St		
Item	Item Description	Unit	Unit Price	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	Quantity	Amount	
	201.11	CLEARING	AC	\$ 10,000.00	0.25	\$ 2,500.00	0.15	\$ 1,500.00	0.15	\$ 1,500.00	0.15	\$ 1,500.00	0.70	\$ 7,000.00
	201.23	REMOVING SINGLE TREE TOP ONLY	EA	\$ 2,000.00	6	\$ 12,000.00	10	\$ 20,000.00	6	\$ 12,000.00	5	\$ 10,000.00	27	\$ 54,000.00
	201.24	REMOVING STUMP	EA	\$ 1,000.00	6	\$ 6,000.00	10	\$ 10,000.00	6	\$ 6,000.00	5	\$ 5,000.00	27	\$ 27,000.00
	203.20	COMMON EXCAVATION	CY	\$ 50.00	800	\$ 40,000.00	260	\$ 13,000.00	380	\$ 19,000.00	1700	\$ 85,000.00	3140	\$ 157,000.00
	203.21	ROCK EXCAVATION	CY	\$ 130.00	200	\$ 26,000.00	15	\$ 1,950.00	40	\$ 5,200.00	100	\$ 13,000.00	355	\$ 46,150.00
	206.07	STRUCTURAL ROCK EXCAVATION - DRAINAGE & MINOR STRUCTURES	CY	\$ 250.00	200	\$ 50,000.00	30	\$ 7,500.00	40	\$ 10,000.00	100	\$ 25,000.00	370	\$ 92,500.00
	304.10	AGGREGATE SUBBASE COURSE - GRAVEL	CY	\$ 65.00	930	\$ 60,450.00	350	\$ 22,750.00	450	\$ 29,250.00	1650	\$ 107,250.00	3380	\$ 219,700.00
SP	403.208	HOT MIX ASPHALT, 12.5 MM NOMINAL MAXIMUM SIZE	T	\$ 225.00	65	\$ 14,625.00	35	\$ 7,875.00	35	\$ 7,875.00	110	\$ 24,750.00	245	\$ 55,125.00
SP	403.209	HOT MIX ASPHALT, 9.5 MM NOMINAL MAXIMUM SIZE (SIDEWALKS, DRIVES, ISLANDS & INCIDENTALS)	T	\$ 250.00	220	\$ 55,000.00	60	\$ 15,000.00	85	\$ 21,250.00	380	\$ 95,000.00	745	\$ 186,250.00
SP	403.213	HOT MIX ASPHALT, 12.5 MM NOMINAL MAXIMUM SIZE (BASE AND INTERMEDIATE BASE COURSE)	T	\$ 275.00	120	\$ 33,000.00	60	\$ 16,500.00	75	\$ 20,625.00	230	\$ 63,250.00	485	\$ 133,375.00
	603.159	12 INCH CULVERT PIPE OPTION III	LF	\$ 100.00	40	\$ 4,000.00	15	\$ 1,500.00	25	\$ 2,500.00	65	\$ 6,500.00	145	\$ 14,500.00
	604.092	CATCH BASIN TYPE B1-C	EA	\$ 5,000.00	5	\$ 25,000.00	3	\$ 15,000.00	3	\$ 15,000.00	9	\$ 45,000.00	20	\$ 100,000.00
	604.16	ALTERING CATCH BASIN TO MANHOLE	EA	\$ 3,000.00	0	\$ -	0	\$ -	0	\$ -	2	\$ 6,000.00	2	\$ 6,000.00
	604.18	ADJUSTING MANHOLE OR CATCH BASIN TO GRADE	EA	\$ 2,000.00	3	\$ 6,000.00	0	\$ -	0	\$ -	8	\$ 16,000.00	11	\$ 22,000.00
	604.247	CATCH BASIN TYPE F5-C	EA	\$ 4,000.00	0	\$ -	0	\$ -	0	\$ -	1	\$ 4,000.00	1	\$ 4,000.00
	605.09	6-INCH UNDERDRAIN TYPE B	LF	\$ 65.00	1450	\$ 94,250.00	365	\$ 23,725.00	0	\$ -	965	\$ 62,725.00	2780	\$ 180,700.00
	605.11	12-INCH UNDERDRAIN TYPE C	LF	\$ 80.00	540	\$ 43,200.00	275	\$ 22,000.00	1000	\$ 80,000.00	2000	\$ 160,000.00	3815	\$ 305,200.00
	607.163	CHAIN LINK FENCE - 4 FOOT - PVC COATED	LF	\$ 70.00	0	\$ -	0	\$ -	0	\$ -	870	\$ 60,900.00	870	\$ 60,900.00
SP	608.26	CURB RAMP DETECTABLE WARNING FIELD	SF	\$ 125.00	74	\$ 9,250.00	20	\$ 2,500.00	32	\$ 4,000.00	122	\$ 15,250.00	248	\$ 31,000.00
SP	609.21	CONCRETE SLIPFORM CURB	LF	\$ 15.00	1750	\$ 26,250.00	690	\$ 10,350.00	1040	\$ 15,600.00	3200	\$ 48,000.00	6680	\$ 100,200.00
	615.07	LOAM	CY	\$ 70.00	300	\$ 21,000.00	100	\$ 7,000.00	150	\$ 10,500.00	500	\$ 35,000.00	1050	\$ 73,500.00
	618.13	SEEDING METHOD NUMBER 1	UN	\$ 60.00	22	\$ 1,320.00	8	\$ 480.00	10	\$ 600.00	35	\$ 2,100.00	75	\$ 4,500.00
	619.12	MULCH	UN	\$ 50.00	22	\$ 1,100.00	8	\$ 400.00	10	\$ 500.00	35	\$ 1,750.00	75	\$ 3,750.00
SP	626.3211	20-INCH DIAMETER FOUNDATION	LF	\$ 150.00	24	\$ 3,600.00	0	\$ -	12	\$ 1,800.00	12	\$ 1,800.00	48	\$ 7,200.00
	627.733	4" WHITE OR YELLOW PAINTED PAVEMENT MARKING LINE	LF	\$ 0.50	2150	\$ 1,075.00	750	\$ 375.00	1050	\$ 525.00	3500	\$ 1,750.00	7450	\$ 3,725.00
	627.75	WHITE OR YELLOW PAVEMENT & CURB MARKING	SF	\$ 3.00	515	\$ 1,545.00	0	\$ -	200	\$ 600.00	700	\$ 2,100.00	1415	\$ 4,245.00
SP	643.63	RECTANGULAR RAPID FLASHING BEACON	LS	\$ 15,000.00	2	\$ 30,000.00	0	\$ -	1	\$ 15,000.00	1	\$ 15,000.00	4	\$ 60,000.00
	645.292	REGULATORY, WARNING, CONFIRMATION AND ROUTE MARKER ASSEMBLY SIGNS TYPE II	SF	\$ 80.00	50	\$ 4,000.00	25	\$ 2,000.00	50	\$ 4,000.00	100	\$ 8,000.00	225	\$ 18,000.00
SP	652.00	WORK ZONE TRAFFIC CONTROL	LS	\$ 100,000.00	0.34	\$ 34,000.00	0.11	\$ 11,000.00	0.15	\$ 15,000.00	0.40	\$ 40,000.00	1	\$ 100,000.00
	656.75	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LS	\$ 20,000.00	0.34	\$ 6,800.00	0.11	\$ 2,200.00	0.15	\$ 3,000.00	0.40	\$ 8,000.00	1	\$ 20,000.00
	659.10	MOBILIZATION	LS	\$ 150,000.00	0.34	\$ 51,000.00	0.11	\$ 16,500.00	0.15	\$ 22,500.00	0.40	\$ 60,000.00	1	\$ 150,000.00
SP	672.10	PRECAST CONCRETE BLOCK GRAVITY WALL	SF	\$ 135.00	0	\$ -	0	\$ -	0	\$ -	4800	\$ 648,000.00	4800	\$ 648,000.00
				Construction Total:		\$ 662,965.00	\$ 231,105.00	\$ 323,825.00	\$ 1,677,625.00	\$ 2,895,520.00				
				20% Contingency:		\$ 132,593.00	\$ 46,221.00	\$ 64,765.00	\$ 335,525.00	\$ 579,104.00				
				Total Cost:		\$ 795,558.00	\$ 277,326.00	\$ 388,590.00	\$ 2,013,150.00	\$ 3,474,624.00				
				Rounded:		\$ 796,000.00	\$ 278,000.00	\$ 389,000.00	\$ 2,014,000.00	\$ 3,475,000.00				

SP :Special Provisions