

PROJ. #: Water Street
W.I.N. 18622.00
TOWN: Hallowell

EST. BY: 0.00
FILE:
Date: 4/12/2016

UPDATED PRELIMINARY OPINION OF PROBABLE COSTS

Item #	Description	Unit	# of Units	Cost / Unit	Total Cost	
Sidewalk 12+56 to 14+11 RT						
203.20	COMMON EXCAVATION	CY	35	\$23.00	\$805	
304.10	AGGREGATE SUBBASE COURSE - GRAVEL	CY	30	\$37.00	\$1,110	
403.209	HOT MIX ASPHALT, 9.5mm (SW,DRIVES,INCIDENTALS)	TON	10	\$190.00	\$1,900	
		LS	1	\$0.00	\$0	
				Subtotal	\$3,815	City Share: \$763.00

Sidewalk 25+55 to 29+00 RT						
203.24	COMMON BORROW	CY	210	\$22.00	\$4,620	
304.10	AGGREGATE SUBBASE COURSE - GRAVEL	CY	71	\$37.00	\$2,627	
403.209	HOT MIX ASPHALT, 9.5mm (SW,DRIVES,INCIDENTALS)	TON	22	\$190.00	\$4,180	
603.159	12" CULVERT PIPE OPTION III	LF	104	\$72.50	\$7,540	
604.252	CATCH BASIN TYPE A5-C	EACH	2	\$3,425.00	\$6,850	
605.09	6" UNDERDRAIN, TYPE B	LF	112	\$32.00	\$3,584	
605.11	12" UNDERDRAIN TYPE C	LF	182	\$51.00	\$9,282	
607.22	CEDAR RAIL FENCE	LF	220	\$26.00	\$5,720	
608.26	CURB RAMP DETECTABLE WARNING FIELD	SF	56	\$87.25	\$4,886	
609.11	VERTICAL CURB TYPE 1	LF	337	\$38.00	\$12,806	
609.238	TERMINAL CURB TYPE 1 - 8 FOOT	EACH	2	\$340.00	\$680	
627.75	WHITE OR YELLOW PAVEMENT AND CURB MARKING	SF	300	\$3.25	\$975	
635.32	WET CAST SMALL LANDSCAPE BLOCK WALL ***	SF	615	\$74.00	\$45,510	
		LS	1	\$0.00	\$0	
				Subtotal	\$109,260	City Share: \$21,852.00

Parking 29+25 to 30+70 RT						
203.20	COMMON EXCAVATION	CY	210	\$23.00	\$4,830	
304.10	AGGREGATE SUBBASE COURSE - GRAVEL	CY	165	\$37.00	\$6,105	
403.209	HOT MIX ASPHALT, 9.5mm (SW,DRIVES,INCIDENTALS)	TON	54	\$190.00	\$10,260	
607.24	REMOVE AND RESET FENCE	LF	90	\$39.00	\$3,510	
627.75	WHITE OR YELLOW PAVEMENT AND CURB MARKING	SF	110	\$3.25	\$358	
		LS	1	\$0.00	\$0	
				Subtotal	\$25,063	

Central Street Drainage						
201.23	REMOVING SINGLE TREE TOP ONLY	EACH	1	\$750.00	\$750	
201.24	REMOVING STUMP	EACH	1	\$350.00	\$350	
202.15	REM MANHOLE OR CATCH BASIN	EACH	4	\$630.00	\$2,520	
603.159	12" CULVERT PIPE OPTION III	LF	49	\$72.50	\$3,553	
603.219	36" CULVERT PIPE OPTION III	LF	34	\$210.00	\$7,140	
604.2622	72" CATCH BASIN TYPE A5-C	EACH	3	\$6,000.00	\$18,000	
604.252	CATCH BASIN TYPE A5-C	EACH	1	\$3,425.00	\$3,425	
605.18	36" UNDERDRAIN TYPE C	LF	206	\$85.00	\$17,510	
		LS	1	\$0.00	\$0	
				Subtotal	\$53,248	

Union Street Drainage						
202.15	REM MANHOLE OR CATCH BASIN	EACH	6	\$630.00	\$3,780	
603.159	12" CULVERT PIPE OPTION III	LF	226	\$72.50	\$16,385	
603.179	18" CULVERT PIPE OPTION III	LF	16	\$91.00	\$1,456	
603.199	24" CULVERT PIPE OPTION III	LF	84	\$118.00	\$9,912	
603.209	30" CULVERT PIPE OPTION III	LF	25	\$125.00	\$3,125	
604.252	CATCH BASIN TYPE A5-C	EACH	6	\$3,425.00	\$20,550	
604.15	MANHOLE	EACH	1	\$4,625.00	\$4,625	
605.15	24" UNDERDRAIN TYPE C	LF	211	\$83.00	\$17,513	
		LS	1	\$0.00	\$0	
				Subtotal	\$77,346	

Lighting						
626.11	PRECAST CONCRETE JUNCTION BOX	EACH	2	\$760.00	\$1,520	
626.22	NON-METALLIC CONDUIT	LF	2,250	\$20.00	\$45,000	
626.31	18" FOUNDATION	EACH	32	\$870.00	\$27,840	
626.35	CONTROLLER CABINET FOUNDATION	EACH	1	\$1,150.00	\$1,150	
626.36	REMOVE OR MODIFY CONCRETE FOUNDATION	EACH	22	\$590.00	\$12,980	
634.16	HIGHWAY LIGHTING	LS	1	\$18,500.00	\$18,500	
634.70	ORNAMENTAL LIGHTING	EACH	10	\$6,700.00	\$67,000	

634.72	RELOCATE ORNAMENTAL LIGHTING (22 POLES)	LS	1	\$22,000.00	<u>\$22,000</u>
	<i>SUBTOTAL</i>				\$195,990
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	PRELIMINARY LIGHTING ESTIMATE			TOTAL	<u>\$195,990</u>

Total City Requested Estimated Cost of additional Items	\$464,721
Actual City share of additional items	\$374,262.00

LIGHTING ESTIMATE NOTES

1. EXISTING LIGHTING HAS AVERAGE SPACING OF 40'. PHOTOMETRIC ANALYSIS INDICATES THAT ILLUMINATION PROVIDED IS ALMOST DOUBLE THE 1.3 fc LEVEL RECOMMENDED BY AASHTO FOR COMMERCIAL SIDEWALK LIGHTING.

2. EXISTING LIGHTING WILL BE REMOVED AND RESET AT AVERAGE SPACING OF 70' AND EXTENDED ALONG NEW SIDEWALK TO NEW SNOW DUMP AREA PARKING.

3. TWO EXISTING LUMINAIRES WILL BE RESET ON WEST SIDE AND SUPPLEMENTED WITH 10 NEW LUMINAIRES. WEST SIDE LUMINAIRES WILL BE INSTALLED AT AVERAGE SPACING OF 70'.

4. IF LIGHTING IS NOT EXTENDED TO SNOW DUMP PARKING, TOTAL ESTIMATED LIGHTING COST WOULD BE REDUCED TO APPROXIMATELY \$153,000.

5. LIGHTING LAYOUT IS BASED ON EXISTING LIGHTING LIMITS. CITY SHOULD CONSIDER EXTENDING LIGHTING SOUTH TO THE CROSSWALK AT ACADEMY STREET WITH AN ADDITIONAL 3 FIXTURES. ADDITIONAL COST TO THE CITY WOULD BE APPROXIMATELY \$30,000.

**** WET CAST SMALL LANDSCAPE BLOCK WALL ITEM AT GRANITE CITY PARK IS LIKELY TO BE REPLACED WITH A GRANITE CRIB WALL USING OLD GRANITE CURB. ESTIMATED COST SHOULD BE SIMILAR.*

additional to above:
Roof drains, Approximately 15 @\$500 each: \$7500.00(City Responsibility)