

2018 OPINION OF PROBABLE CONSTRUCTION COSTS

Project: SWING BRIDGE EAST PEDESTRIAN SIDEWALK CONNECTION  
 East Haddam, CT

Done by: GEL  
 Date: 6/28/2018

Checked by:  
 Date:

Project No.: 0958-

Item No.	Item	Unit Cost	Unit	Quantity	Total
1	SILT FENCE	\$5.00	LF	120	\$ 600.00
2	REMOVE & RELOCATE SIGNS	\$158.00	EACH	3	\$ 474.00
3	REMOVE METAL GUIDE RAIL	\$17.76	LF	40	\$ 710.40
4	REMOVE BRIDGE MONUMENT PLAQUE	\$500.00	LS	1	\$ 500.00
5	REMOVE & RELOCATE POST MOUNTED STOP LIGHT	\$4,000.00	LS	1	\$ 4,000.00
6	REMOVE CONCRETE (Pedestal, Monument Base, End Anchor)	\$345.00	CY	4	\$ 1,380.00
7	REMOVE WOOD UTILITY POLE	\$390.00	EACH	2	\$ 780.00
8	WOOD UTILITY POLES	\$1,140.00	EACH	2	\$ 2,280.00
9	SAW CUT PAVEMENT	\$1.81	LF	90	\$ 162.90
10	REMOVE EXISTING PAVEMENT	\$5.95	SY	65	\$ 386.75
11	STRUCTURE EXCAVATION	\$26.20	CY	50	\$ 1,310.00
12	REINFORCED CONCRETE RETAINING WALL	\$310.00	LF	115	\$ 35,650.00
13	GRANULAR FILL	\$49.24	CY	90	\$ 4,431.60
14	STONE VENEER	\$63.85	SF	345	\$ 22,028.25
15	DECORATIVE WROUGHT IRON RAILING	\$347.00	LF	115	\$ 39,905.00
16	DECORATIVE LIGHT POLE & LUMINAIRE	\$6,500.00	EACH	3	\$ 19,500.00
17	ELECTRICAL CONDUIT & WIRING	\$13.25	LF	125	\$ 1,656.25
18	ELECTRICAL CONTROL PANEL	\$9,000.00	LS	1	\$ 9,000.00
19	CONCRETE SIDEWALK	\$10.60	SF	1,140	\$ 12,084.00
20	TYPE "C" CATCH BASIN	\$3,025.00	EACH	1	\$ 3,025.00
21	CONVERT EXISTING CATCH BASIN TO STORM MANHOLE	\$1,500.00	EACH	1	\$ 1,500.00
22	15" Ø RCP	\$56.00	LF	16	\$ 896.00
23	PAVEMENT RAPAIR (State Highway)	\$87.00	SY	65	\$ 5,655.00
24	FURNISH & SPREAD TOPSOIL (6" Depth)	\$6.68	SY	130	\$ 868.40
25	FINE GRADE, SEED, FERT., LIME & MULCH	\$4.06	SY	130	\$ 527.80
26	EROSION CONTROL BLANKET	\$3.20	SY	130	\$ 416.00
27	GUIDE RAIL	\$24.00	LF	30	\$ 720.00
28	CONCRETE GUIDE RAIL END ANCHORAGE	\$1,500.00	EACH	1	\$ 1,500.00
29	IMPRINTED PAVEMENT (Thermoplastic, incl. Mill & Pave)	\$32.00	SF	780	\$ 24,960.00
30	CONCRETE MONUMENT STRUCTURE	\$2,000.00	LS	1	\$ 2,000.00

Subtotal: \$ 198,907.35

	INFLATION ADJUSTMENT TO 2020 (3% / Year)			6.09%	\$ 211,020.81
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31	MAINTENANCE AND PROTECTION OF TRAFFIC			3%	\$ 6,330.62
32	CONSTRUCTION STAKING			1%	\$ 2,110.21
33	PAYMENT & PERFORMANCE BOND			2.5%	\$ 5,275.52

Total Construction Cost: \$ 224,737.00

34	ARCHITECTURAL AND ENGINEERING FEES (Design)			15%	\$ 33,710.00
35	OTHER ARCHITCTURAL AND ENGINEERING FEES (Borings)			L.S.	\$ 5,000.00
36	PROJECT INSPECTION FEES			15%	\$ 33,710.00

Total Estimated Cost: \$ 297,157.00

	CONTINGENCY (Conceptual Phase)			20%	\$ 59,431.00
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NATHAN L. JACOBSON & ASSOCIATES, INC.  
Consulting Civil and Environmental Engineers Since 1972  
Chester, Connecticut

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Item No.	Item	Unit Cost	Unit	Quantity	Total
					<b>\$ 356,588.00</b>

**NOTES:**

1. Unit prices are generally from RS Means and CTDOT "English Bid Item List" dated June 2018. Remaining unit prices are from engineering judgement or quotes.
2. This Conceptual Opinion of Probable Construction Cost is being provided at the application stage of this project. These items are therefore based on engineering judgement utilizing information from our files for a similar project, adjusted as believed necessary at this time to reflect the construction conditions expected to be encountered. These costs should be interpreted as indicating the order of magnitude of anticipated costs. More definitive costs will be determined during subsequent phases of design, and actual costs will be determined as a result of open competitive bidding by qualified contractors after construction contract documents for the project are advertised for bids. Within the qualifications given above, we believe this Conceptual Opinion of Probable Construction Cost provides a reasonable basis for evaluating the project budget.