



PROJECT LAW-7-2.17 PROJ. NO. 173608714  
 SUBJECT LAW-7-0376 Final Quantities  
 COMP BY ALH DATE 3/4/2024 CHKD. BY bsm DATE 7/23/2024

**BRIDGE ESTIMATED QUANTITIES**

<u>Item</u>	<u>Length</u>	<u>Width</u>	<u>Height</u>	<u>Number</u>	<u>Total</u>
Item 507, Steel Piling, HP12x53, Furnished					
rear abut	80.00	1.00	1.00	24	1920 ft
fwd abut	75.00	1.00	1.00	24	1800
					<b>3720</b> ft.
Item 507, Steel Piling, HP12x53, Driven					
rear abut	75.00	1.00	1.00	24	1800 ft
fwd abut	70.00	1.00	1.00	24	1680
					<b>3480</b> ft.
Item 511, Class QC2 Concrete, Bridge Deck					
deck	311.17	45.33	0.71	1	370 cu. yd.
haunch	311.17	3.00	0.32	5	56
overhang	323.75	2.17	0.32	2	17
pier diaphragm	9.64	2.00	5.42	8	31
abut diaphragm	9.64	1.73	6.48	8	32
					<b>505</b> cu. yd.
Item 511, Class QC2 Concrete, Parapets					
	311.17	4.08	1.00	2	<b>94</b> cu. yd.
Item 511, Class QC1 Concrete, Abutments including Footings					
footing	73.50	7.67	3.00	2	125 cu. yd.
beam seat	42.00	4.67	4.57	2	66
wingwalls (rear)	13.97	1.75	3.70	1	3
	17.53	1.75	5.26	1	6
	48.50	1.75	7.24	1	23
	11.00	1.75	1.83	1	1
	11.00	1.75	5.08	1	2
	14.00	1.75	6.68	1	3
(forward)	16.35	1.75	5.21	1	6
	15.15	1.75	3.75	1	4
	48.50	1.75	7.16	1	23
	14.00	1.75	6.90	1	3
	11.00	1.75	1.83	1	1
	11.00	1.75	4.99	1	2
					<b>268</b> cu. yd.



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Item 511, Class QC4 Mass Concrete, Substructure with QC/QA					
Pier 1	42.50	5.00	5.21	1	41 cu. yd.
	44.47	19.63	1.00	3	97
Pier 2	42.50	5.00	5.24	1	41
	41.31	19.63	1.00	3	90
					<b>269</b> cu. yd.
Item 512, Sealing of Concrete Surfaces (epoxy-urethane)					
deck	311.17	21.19	1.00	2	1465 sq. yd.
Parapet Approach	16.00	8.00	1.00	4	57
abutments	48.50	1.00	8.80	2	95
wingwalls	11.00	1.00	1.83	1	2
	11.00	1.00	5.08	1	3
	14.00	1.00	6.68	1	5
	14.00	1.00	6.90	1	5
	11.00	1.00	1.83	1	2
	11.00	1.00	4.99	1	3
	27.34	1.75	1.00	1	5
	27.97	1.75	1.00	1	5
					<b>1649</b> sq. yd.
Item 512, Sealing Concrete Deck with HMWM					
	42.65	2.00	1.00	4	<b>38</b> sq. yd.
Item 515, PCIB Beam Type 4 (66")					
	1.00	1.00	1.00	15	<b>15</b> ea
Item 515, Intermediate Diaphragms					
	1.00	1.00	1.00	36	<b>36</b> ea
Item 516, Strip Seal Expansion Joint Anchored with Elastomeric Concrete					
	42.50	1	1	2	<b>85</b> ft
Item 516, Elastomeric Bearings					
Abutments	1.00	1.00	1.00	10	10 each
Piers	1.00	1.00	1.00	20	20
					<b>30</b> each
Item 518, Scuppers, Including supports, As per Plan					
					<b>1</b> ea
Item 518, Prefabricated Geocomposite Drain					
Rear	73.50	1	9.86	1.00	81 sq. yd.
	48.50	1	4.69	1.00	25
	11.00	1	2.04	1.00	2
	14.00	1	2.84	1.00	4
Forward	73.50	1	9.91	1.00	81
	48.50	1	4.56	1.00	25
	14.00	1	2.26	1.00	4
	11.00	1	2.00	1.00	2
					<b>224</b> sq. yd.
Item 518, Porous Backfill with Geotextile Fabric					
	73.50	1	4.75	2.00	<b>26</b>



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<u>Item</u>	<u>Length</u>	<u>Width</u>	<u>Height</u>	<u>Number</u>	<u>Total</u>
Item 518, 6" Perforated Plastic Pipe	74.00	1.00	1.00	2	148 ft.
Item 518, 6" Non-Perforated Plastic Pipe	30.00	1.00	1.00	2	60 ft.
Item 524, Drilled Shafts, 72" Diameter, Into Bedrock	1	1	10	6	60 ft
Item 524, Drilled Shafts, 78" Diameter, Above Bedrock	1	1	25.6	2	52 ft
	1	1	22.6	1	23
	1	1	31.5	2	63
	1	1	30.5	1	31
					168 ft
Item 526, Reinforced Concrete Approach Slab with QC/QA (T=17"), As Per Plan	30	42	1	2	280
	16	1.67	1	4	12
					292 sq. yd
Item 526, Type A Installation					
rear	42.50	1.00	1.00	1	43 ft.
forward	42.50	1.00	1.00	1	43
					85 ft
Item 601, Rock Channel Protection					
abutments	17965.00	1.00	2.00	1	1331 cu. yd.
	18835.00	1.00	2.00	1	1395
					2726 cu. yd.