



PROJECT LAW-7-2.17 PROJ. NO. 173608714
 SUBJECT LAW-7-0251 Final Quantities
 COMP BY ALH DATE 3/4/2024 CHKD. BY TRK DATE 7/24/2024

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	65.00	1.00	1.00	20	1300 ft
fwd abut	65.00	1.00	1.00	28	1820
					3120 ft.
Item 507, Steel Piling, HP12x53, Driven					
rear abut	60.00	1.00	1.00	20	1200 ft
fwd abut	60.00	1.00	1.00	28	1680
					2880 ft.
Item 511, Class QC2 Concrete, Bridge Deck					
deck	264.63	45.33	0.71	1	315 cu. yd.
haunch	264.63	3.00	0.33	5	49
Above Abut. Diaphr.	45.33	3.00	0.54	2	5
pier diaphragm	41.73	2.33	5.50	2	40
abut diaphragm	41.73	2.67	5.50	2	45
					454 cu. yd.
Item 511, Class QC2 Concrete, Parapets	264.63	4.08	1.00	2	80 cu. yd.
Item 511, Class QC1 Concrete, Abutments including Footings					
footing (rear)	83.00	7.92	3.00	1	73 cu. yd.
footing (forward)	78.00	7.92	3.00	1	69
beam seat (rear)	178.81 sf	4.92	1.00	1	33
beam seat (forward)	180.60 sf	4.92	1.00	1	33
wingwalls (rear)	586.70 sf	1.75	1.00	1	38
6" behind backwall	-50.52	0.50	1.42	1	-1
6" behind backwall (forward)	578.34 sf	1.75	1.00	1	37
6" behind backwall	-48.98	0.50	1.42	1	-1
					280 cu. yd.
Item 511, Class QC4 Mass Concrete, Substructure with QC/QA					
Pier 1 (Cap)	249.02 sf	4.67	1.00	1	43 cu. yd.
Pier 1 (Column)	26.30	12.57 sf	1.00	3	37
Pier 2 (Cap)	249.44 sf	4.67	1.00	1	43
Pier 2 (Column)	25.68	12.57 sf	1.00	3	36
					159 cu. yd.



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Item 512, Sealing of Concrete Surfaces (epoxy-urethane)					
deck	264.63	20.43	1.00	2	1201 sq. yd.
Parapet Approach	15.00	7.90	1.00	4	53
abutments (forward)	512.00 sf	1.00	1.00	1	57
(rear)	537.00 sf	1.00	1.00	1	60
	46.80	3.17	1.00	2	33
	3.00	83.00	1.00	1	28
	3.00	83.00	1.00	1	28
					1459 sq. yd.
Item 512, Sealing Concrete Deck with HMWM					
	49.62	2.00	1.00	4	44 sq. yd.
Item 512, Type 2 Waterproofing					
	161.00	3.00	1.00	1	54 sq. yd.
Item 515, PCIB Beam Type 4 (60"), 79'-11"					
	1.00	1.00	1.00	5	5 ea
Item 515, PCIB Beam Type 4 (60"), 81'-7"					
	1.00	1.00	1.00	5	5 ea
Item 515, PCIB Beam Type 4 (60"), 99'-8"					
	1.00	1.00	1.00	5	5 ea
Item 515, Intermediate Diaphragms					
	1.00	1.00	1.00	36	36 ea
Item 516, Strip Seal Expansion Joint Anchored with Elastomeric Concrete					
	50.00	1	1	2	100 ft
Item 516, Elastomeric Bearings					
Abutments	1.00	1.00	1.00	10	10 each
Piers	1.00	1.00	1.00	20	20
					30 each
Item 518, Prefabricated Geocomposite Drain					
Rear	907.00 sf	1	1.00	1.00	101 sq. yd.
	83.00	1.5	1.00	1.00	14
Forward	869.00 sf	1	1.00	1.00	97
	78.00	1.5	1.00	1.00	13
					224 sq. yd.
Item 518, Porous Backfill with Geotextile Fabric					
Rear	83.00	1	5.50	1.00	16.91
Forward	78.00	1	5.50	1.00	15.89
					33 cu. yd.



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Item 518, 6" Perforated Plastic Pipe	83.00	1.00	1.00	1.00	83 ft.
	78.00	1.00	1.00	1.00	78
					161 ft.
Item 518, 6" Non-Perforated Plastic Pipe	55.00	1.00	1.00	1	55 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	30	3	90 ft
	1	1	33	3	99
					189 ft
Item 526, Reinforced Concrete Approach Slab with QC/QA (T=17"), As Per Plan	30	45.33	1	2	302 sq. yd.
Item 526, Type A Installation					
rear	49.62	1.00	1.00	1	50 ft.
forward	49.62	1.00	1.00	1	50
					99 ft
Item 601, Rock Channel Protection abutments	14861.00	1.00	2.50	1	1376 cu. yd.