



BRIDGE ESTIMATED QUANTITIES

| <u>Item</u> | <u>Length</u> | <u>Width</u> | <u>Height</u> | <u>Number</u> | <u>Total</u> |
|---|---------------|--------------|---------------|---------------|--------------|
| Item 203, Settlement Platform | 1.00 | 1.00 | 1.00 | 3 | 3 ea |
| Item 507, Steel Piling, HP12x53, Furnished | | | | | |
| rear abut | 100.00 | 1.00 | 1.00 | 16 | 1600 ft |
| fwd abut | 95.00 | 1.00 | 1.00 | 16 | 1520 |
| pier 1 | 55.00 | 1.00 | 1.00 | 27 | 1485 |
| pier 2 | 30.00 | 1.00 | 1.00 | 27 | 810 |
| | | | | | 5415 ft. |
| Item 507, Steel Piling, HP12x53, Driven | | | | | |
| rear abut | 95.00 | 1.00 | 1.00 | 16 | 1520 ft |
| fwd abut | 90.00 | 1.00 | 1.00 | 16 | 1440 |
| pier 1 | 50.00 | 1.00 | 1.00 | 27 | 1350 |
| pier 2 | 25.00 | 1.00 | 1.00 | 27 | 675 |
| | | | | | 4985 ft. |
| Item 512, Sealing of Concrete Surfaces (epoxy-urethane) | | | | | |
| deck | 323.75 | 22.44 | 1.00 | 2 | 1614 sq. yd. |
| piers | 50.00 | 1.00 | 6.17 | 4 | 137 |
| | 15.71 | 1.00 | 35.77 | 3 | 187 |
| | 15.71 | 1.00 | 38.90 | 3 | 204 |
| | 45.00 | 1.00 | 5.00 | 2 | 50 |
| | 19.63 | 1.00 | 1.00 | -6 | -13 |
| abutments | 76.00 | 1.00 | 11.18 | 2 | 189 |
| wingwalls | 61.60 | 2.25 | 1.00 | 1 | 15 |
| | | | | | 2383 sq. yd. |
| Item 512, Type 2 Waterproofing | 76.00 | 1.00 | 3.00 | 2 | 51 sq. yd. |
| Item 512, Sealing Concrete Deck with HMWM | 43.50 | 2.00 | 1.00 | 2 | 19 sq. yd. |
| | 44.00 | 2.00 | 1.00 | 2 | 20 |
| | | | | | 39 sq. yd. |



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|--|---------------|--------------|---------------|---------------|--------------|
| Item 515, PCIB Beam Type 4 (66") | 1.00 | 1.00 | 1.00 | 15 | 15 ea |
| Item 515, Intermediate Diaphragms | 1.00 | 1.00 | 1.00 | 36 | 36 ea |
| Item 516, Elastomeric Bearings | 1.00 | 1.00 | 1.00 | 30 | 30 each |
| Item 511, Class QS2 Concrete, Bridge Deck | | | | | |
| deck | 323.75 | 45.33 | 0.71 | 1 | 385 cu. yd. |
| haunch | 323.75 | 3.00 | 0.38 | 5 | 68 |
| | 323.75 | 3.38 | 0.38 | 2 | 31 |
| pier diaphragm | 9.33 | 2.50 | 6.00 | 8 | 41 |
| abut diaphragm | 9.33 | 2.00 | 5.92 | 2 | 8 |
| | | | | | 533 cu. yd. |
| Item 511, Class QS2 Concrete, Parapets | 323.75 | 4.08 | 1.00 | 2 | 98 cu. yd. |
| Item 511, Class QS1 Concrete, Abutments including Footings | | | | | |
| footing | 60.00 | 7.25 | 3.00 | 2 | 97 cu. yd. |
| breastwall, rear | 45.67 | 4.75 | 3.93 | 1 | 32 |
| breastwall, forward | 46.88 | 4.75 | 4.90 | 1 | 40 |
| wingwalls, rear | 16.33 | 1.75 | 7.91 | 1 | 8 |
| wingwalls, rear | 13.33 | 1.75 | 9.18 | 1 | 8 |
| wingwalls, forward | 12.62 | 1.75 | 8.89 | 1 | 7 |
| wingwalls, forward | 15.75 | 1.75 | 9.42 | 1 | 10 |
| backwall, rear | 46.33 | 1.75 | 7.12 | 1 | 21 |
| backwall, forward | 47.63 | 1.75 | 7.18 | 1 | 22 |
| | | | | | 245 cu. yd. |
| Item 511, Class QS1 Concrete, Piers above Footings | | | | | |
| Pier 1 | 45.00 | 5.00 | 6.14 | 1 | 51 cu. yd. |
| | 38.77 | 19.63 | 1.00 | 3 | 85 |
| Pier 2 | 45.00 | 5.00 | 6.21 | 1 | 52 |
| | 48.90 | 19.63 | 1.00 | 3 | 107 |
| | | | | | 294 cu. yd. |
| Item 511, Class QS1 Concrete, Footings | | | | | |
| Pier 1 | 13.00 | 12.00 | 3.50 | 3 | 61 cu. yd. |
| Pier 2 | 17.50 | 12.00 | 3.50 | 3 | 82 |
| | | | | | 142 cu. yd. |
| Item 526, Approach Slabs | 25.00 | 45.00 | 1.00 | 2 | 250 sq. yd. |
| | | | | | 250 sq. yd. |



PROJECT LAW-7-2.17 PROJ. NO. 173608714
SUBJECT LAW-7-0713R Final Quantities
COMP BY ms DATE 6/14/2024 CHKD. BY _____ DATE _____

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|--|---------------|--------------|---------------|---------------|-------------------|
| Item 516, Strip Seal Expansion Joint | | | | | |
| rear abut | 46.33 | 1.00 | 1.00 | 1 | 46 feet |
| fwd abut | 47.61 | 1.00 | 1.00 | 1 | 48 |
| | | | | | <hr/> 94 feet |
| Item 518, Porous Backfill with filter fabric | | | | | |
| | 76.00 | 1.00 | 4.50 | 2 | 25 cu. yd. |
| | | | | | <hr/> 25 cu. yd. |
| Item 518, Prefabricated Geocomposite Drain | | | | | |
| rear abut | 46.33 | 1.00 | 9.80 | 1 | 50 sq. ft. |
| | 16.33 | 1.00 | 7.91 | 1 | 14 |
| | 13.33 | 1.00 | 9.18 | 1 | 14 |
| fwd abut | 47.63 | 1.00 | 10.83 | 1 | 57 |
| | 12.62 | 1.00 | 8.89 | 1 | 12 |
| | 15.75 | 1.00 | 9.42 | 1 | 16 |
| | | | | | <hr/> 165 sq. ft. |
| Item 518, 6" Perforated Plastic Pipe | | | | | |
| | 76.00 | 1.00 | 1.00 | 2 | 152 ft. |
| Item 518, 6" Non-Perforated Plastic Pipe | | | | | |
| | 25.00 | 1.00 | 1.00 | 2 | 50 ft. |
| Item 524, Type A Installation | | | | | |
| rear | 44.70 | 1.00 | 1.00 | 1 | 45 ft. |
| forward | 46.00 | 1.00 | 1.00 | 1 | 46 |
| | | | | | <hr/> 91 ft |