

Item 509 STEEL Reinforcing

1402 lbs.

Item 511 Class concrete Retaining wall at wing wall, not including ftg.

$$34.5 \text{ SF} \times 2 \times 1/9 = 7.7 \text{ SQ. Yds.}$$

Item 511 Class QCI concrete, Footing

$$(95.3 \text{ S.F.} \times 1.5) + (.4166' \times 1.5 \times 5.333') \times 1/27 = 5.5 \text{ CU. Yds.}$$

Item 511 Class QCI concrete, Headwalls

$$5.333' \times 1.0' \times 1.666' \times 1/27 = 0.4 \text{ CU. Yds.}$$

Item 512 water proofing

$$8' \times (4.833' + 4.833' + 5.333') \times 1/9 = 14 \text{ SQ. Yds.}$$

Item 516 1" PE/F

$$4.833' \times 1.0' \times 2 = 10 \text{ S.F.}$$

~~Item 601 Rock Channel Protection~~

~~$$((55 \text{ SF} \times 1/2') + (12' \times 2' \times 4')) \times 1/27 = 8 \text{ CU. Yds.}$$~~

Item 611 4.5' span 4 rise conduit

8 Feet

Item 512 Sealing of concrete surfaces (EPOXY-urethane)

$$51 \text{ SF} + (18' \times 1.5) = 78 \text{ SF} \times 1/9 = 9 \text{ SQ. Yds.}$$