

Bridge # = CLA-70-1873
Designed by = GDJ
Date = 8/3/2020

Checked by = AMR
Date = 8/3/2020

ESTIMATED QUANTITIES - FINAL

ITEM	EXTENSION	DESCRIPTION
503	21301	UNCLASSIFIED EXCAVATION, AS PER PLAN
<p>Existing Pavement Elevation = 1054.03 Thickness of Pavement Section = 2.65 ft Bottom of Footing Elevation = 1046.38 Height of Excavation = 5 ft Pavement excavation paid for by roadway Area of bottom = 144 ft² Volume of rectangle = 720 ft³ Slope of cut = 1.5:1 Length of slope cut = 52.68 ft Volume of sloped cut = 987.75 ft³ Area of bottom cut along ex. footing = 9.09 ft² Length of cut along ex. Footing = 12 ft Volume of lower excavation along ex. Footing = 109.08 ft³</p> <p style="text-align: right;">Volume = 68 CY \$/CY = \$55 Total = \$3,800</p> <p style="text-align: center;">Volume = 1816.83 ft³ Total = LS</p>		
509	25000	REINFORCING STEEL
<p style="text-align: center;">Total = 870 LB</p>		
511	46510	CLASS QC1 CONCRETE, FOOTING
<p style="text-align: center;">Width = 10 ft Length = 10 ft Thickness = 2 ft Volume = 200 ft³</p> <p style="text-align: center;">Total = 8 CY</p>		
513	10001	STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN
<p style="text-align: center;">Section width = 8 in Section thickness = 1.75 in Length of section = 8.75 ft Number of sections = 2 each Total weight = 833.68 pounds</p> <p style="text-align: right;">\$/# = \$15 Total = \$12,600</p> <p style="text-align: center;">Total = LS</p>		

Temporary Shoring Tower

1 month rental = \$6,300
 Each Additional Month Rental = \$2,400
 Total length of rental = 3 months
 Freight to Springfield = \$1,150
 Return Freight to Pittsburg = \$2,000
 Sunbelt Rep on site = \$950 day
 Number of days = 2 day
 Travel/Expenses for Rep = \$600
Tower Rental Costs = \$16,750

Erection of Tower

Crane = \$1,500 /day
 Number of days = 3 days
 Iron workers = 4 each
 Iron worker rate = \$120 hour
 Forman rate = \$150
 Laborers = 2 each
 Laborer rate = \$100
Tower Erection Costs = \$24,420
Tower Removal Costs = \$24,420

Total Shoring Tower Costs = \$66,000

Total = LUMP