

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

Checked by = AMR
Date = 8/3/2020

ESTIMATED QUANTITIES - FINAL								
ITEM	EXTENSION	DESCRIPTI	ON					
503	21301	UNCLASSI	FIED I	EXCAV	ATION, AS PER PLAN			
	Existing Pavement Elevation =	1054.03						
	Thickness of Pavement Section =	2.65		ft				
	Bottom of Footing Elevation =	1046.38		c.	2			
	Height of Excavation =	5	. 2	ft	Pavement excavation paid for by roadway			
	Area of bottom =	144	ft ²					
	Volume of rectangle =	720	ft ³					
	Slope of cut =	1.5:1						
	Length of slope cut =	52.68	ft					
	Volume of sloped cut =	987.75	ft ³					
	Area of bottom cut along ex. footing =	9.09	ft^2		Volume = 68 CY			
	Length of cut along ex. Footing =	12	ft		\$/CY = \$55			
,	Volume of lower excavation along ex. Footing =	109.08	ft ³		Total = \$3,800			
	Volume =	1816.83	с .3					
	volume –	1010.03	π					
	Total =	LS						
509	25000	REINFORC	ING S	TEEL				
	Total =	870 LB						
	Total –	870 LB						
511	46510	CLASS QC1	CON	ICRET	E, FOOTING			
	AME IN	10	C.					
	Width =	10 10	ft ft					
	Length = Thickness =	2	ft					
	Volume =	200	ft ³					
	voiume =	200	π					
	Total -	8 CV						
	Total =	8 CY						
513	Total =		AL ST	EEL N	1EMBERS, LEVEL UF, AS PER PLAN			
513	10001	STRUCTUR		EEL M	TEMBERS, LEVEL UF, AS PER PLAN			
513	10001 Section width =	STRUCTUR 8	in	EEL N	1EMBERS, LEVEL UF, AS PER PLAN			
513	10001 Section width = Section thickness =	STRUCTUR 8 1.75	in in	EEL M	1EMBERS, LEVEL UF, AS PER PLAN			
513	Section width = Section thickness = Length of section =	8 1.75 8.75	in in ft		1EMBERS, LEVEL UF, AS PER PLAN			
513	Section width = Section thickness = Length of section = Number of sections =	8 1.75 8.75 2	in in ft each	1				
513	Section width = Section thickness = Length of section =	8 1.75 8.75	in in ft	1	\$/# = \$15 Total = \$12,600			

PID: 110154

BRIDGE #: CLA-70-1873

SFN: 1204823

DESIGNED BY: DATE: 8-3-20
CHECKED BY: AME DATE: 8-3-20

516	47001	JACKING A	ND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN
	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	Tiour .
	Laborers =	2	each
	Laborer rate =	\$100	Cucii
	Tower Erection Costs =	\$24,420	
	Tower Removal Costs =	\$24,420	
		. ,	
	Total Shoring Tower Costs =	\$66,000	
	Total =	LUMP	

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