



Made By JCP Date 3/24/21 Job No. 108482  
 Checked By SAP Date 4/1/21 Sheet No. 1 OF 1

QUANTITY CALCULATION Update By SAP Date 12/20/21

Job Name CUY-480-7.14 Structure CUY-480-0792

Location of Member SUPERSTRUCTURE Item # 847 Ext. 20201

Description SUPERPLASTICIZED DENSE CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY, AS PER PL

Description / Calculation	Pay Unit - CY	Sub-Quantity	Total-Quantity
<b>Concrete volume from Item 847E10200</b>			
Area =	7533.90	sf	
Uniform thickness =	1.75	in	
Volume =	1098.69	cf	
<b>Concrete volume of variable thickness:</b>			
Area =	7,533.90	sf	
Average Overlay Thickness =	4.60	in	
<i>(Avg. Thickness is from the "overlay calc" spreadsheet)</i>			
Total Volume =	2,888.00	cf	
<b>Concrete volume excluding portion from 847E10200:</b>			
Volume =	1,789.30	cf	
	66.27	cy	
		<b>TOTAL</b>	<b>67 CY</b>

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**QUANTITY CALCULATION**

Job Name CUY-480-7.14 Structure CUY-480-0792  
 Location of Member SUPERSTRUCTURE Item # 847 Ext. 30400  
 Description EXISTING CONCRETE OVERLAY REMOVED (T=2.5")

	Description / Calculation	Pay Unit - SY	Sub-Quantity	Total-Quantity
	<b><u>BRIDGE DECK</u></b>			
	LENGTH          WIDTH			
	165.355    x    45.75    =    7564.99    SF		840.55    SY	<b>841    SY</b>
			<b>TOTAL</b>	<b>841    SY</b>

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**QUANTITY CALCULATIONS**

Job Name CUY-480-7.14      Structure CUY-480-0792

Location of Member      Item # 847 Ext. 50000

Description HAND CHIPPING

	ption / Calculat	Pay	Unit - SY	Sub-Quantity	Total-Quantity
	Variable thick area of deck =	7533.90	SF		
	Estimated % =	10%			
	Hand chipping area =	753.39	SF		
	Final Tracings =	83.71	SY		
<b>TOTAL</b>				<b>SY</b>	<b>84</b>