PARSONS

MAD-SR29-1061 Estimated Quantities

Des: Parsons Submittal:

<u>rage 1/1</u>	back to muex			
Calculated:	JRE 7/7/2017			
Checked:	RWB 7/14/2017			
Backchecked:	JRE 7/14/2017			
Corrected:	JRE 7/14/2017			
Verified:	RWB 7/17/2017			
	<u>LB</u>			

Dack to Index

1,782

Dago 1 /1

513E90000

STRUCTURAL STEEL, MISC.:

Supplemental Description: ADDITIONAL INTERMEDIATE BRACING MEMBERS AND END DI

LB VOID END DIAPHRAMS DUE TO SEMI-INTEGRAL DIAPHRAGM **Revised 9/8/20 End Diaphragms** Typ. Plate Thickness 09/29/2020 Steel Unit Weight 490.00 lb/ft³ Length Width Number/X-Frame Weight 2' x 2' Plate Incidental to Expansion Joint 0.00 1' x 1' Plate Incidental to Expansion Joint 0 0.00 2'-6" x 2'-2" Plate 2.50 0 0.00 2.17 Bent Plate 1 1.75 2.00 0 0.00 Bent Plate 2 1.67 2.00 0 0.00 Length Unit Weight Number/X-Frame Weight **Bottom Chord** (Measured) 13.19 9.80 0.00 0 (Measured) Diagonals 4.83 9.80 0 0.00 4.00 9.80 (Measured) Vertical Chord 0 0.00 MC12x45 Incidental to Expansion Joint 0.00 Total per Cross Frame 0.00 lb x 4 bays 0.00 lb x 2 ends 0.00 lb Additional Intermediate Bracing Additional Bracing Shape L3x3x5/16 Weight per Foot 6.10 lb/ft Length Number Weight 7.25 Pier 1 353.80 7.50 Pier 2 8 366.00 Pier 3 7.25 8 353.80 Total 1,073.60 Revisions during pre-bid Added bracing at corners (see hand calcs) 608.00 Revised bottom chord at piers (see hand calcs) 100.00 Gen Subtotal Abut Subtotal Piers Subtotal Super Subtotal 1,781.6

PARSONS	SUBJECT m, 0.29 - Addedu		_ JOB NO	JOB NO		
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MADE BY R ~ 13	DATE 9/24/20 CHECKED BY	DATE _09/29/2020
Wt. NODERS TORRICH L	3+3+5/16 (6.1 #1-)	
LENGTH FOR ONE BAY		
BoH. 7.25'		
Prog. 5' 3.31	3.31 × 2 = 17.61	
1.25		
wt. singl. hay = (7.2	25 + 17.61) (6.1) = 151.67	
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FOR 4 BRACKS TOTAL =	600	
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PARSONS SUBJECT MAD-28 JOB NO.

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