

Notes:

Anchor Bolts shall be ASTM F1554 all-thread (or an Engineer-Approved alternate material) of the Grade(s) and diameter(s) specified. ASTM A307 Grade C Anchor Bolts may be used in lieu of ASTM F1554 Grade 36 (Fy = 36ksi). The corresponding specified Grade of AASHTO M314 Anchor Bolts may be used in lieu of ASTM F1554. Anchor Bolts for Type III Bearings shall be placed in holes drilled through the bottom Bearing Plate after members are in place. Side Retainers shall be placed after Bolts are installed. Drilled and set Anchor Bolts shall be installed according to Article 521.06 of the Standard Specifications. Side Retainers shall be included in the cost of Elastomeric Bearing Assembly, Type III. The  $\frac{1}{8}$ " PTFE Sheet shall be bonded directly to the Top Steel Plate with a two-component, medium viscosity Epoxy Resin, conforming to the requirements of the Federal Specification MMM-A-134. Type I. The Bond Agent shall be applied on the full area of the Contact Surfaces. Bonding of <sup>1</sup><sub>8</sub>" PTFE Sheet during vulcanizing process will be permitted provided the process and method of adjusting Assembly height is approved by the Engineer. Diaphragm removal and reinstallation may be required to facilitate drilling holes. Cost included with Elastomeric Bearing Assembly, Type III. Prior to ordering any material, the Contractor shall verify in the field. all Bearing height and Shim thickness dimensions. Min. jack capacity = 100 tons for Pier No. 12 at each Bearing location. 1'-6" Steel extensions, shim plates and connection bolts are 3'4"3'4" included with Furnishing Structural Steel. -53



TVD

PIER 12	(SOUTH	BEARING)
R₽	(K)	83.1
R4	(K)	65.9
RImp.	(K)	10.5
R (Total)	(K)	159.5

## BILL OF MATERIAL AT PIER 12 (SOUTH BEARINGS)

Item	Unit	Total	
Elastomeric Bearing Assembly, Type III	Each	8	
Anchor Bolts, 1 <sup>1</sup> 2"\$	Each	16	
Furnishing and Erecting Structural Steel	Pound	2,970	



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ING ASSEMBLY, TYPE III		SECTION	COUNTY	TOTAL SHEETS	SHEET NO,
D DEC DI AINEC DIVED	2612	3104 B-1-I-2	COOK	80	69
n DES PLAINES NIVEN S.N. 016-2504			CONTRACT	NO. 6	0D76
HEETS STA. TO STA.	FED. R	OAD DIST. NO. ILLINOIS FED. AI	D PROJECT		