

SHEET NO. 29 OF 39 S

PLOT DATE

CHECKED

MTH

REVISED

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.

Drilled anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

Two ^I₈ in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed

The Contractor is to verify the existing dimensions prior to fabricating the steel extensions.

Side retainers and other steel members required for the bearing assembly shall be included in the cost of

Fasteners shall be AASHTO M164 Type 1, mechanically

Cost of steel extensions and connection bolts is included with Furnishing and Erecting Structural Steel.

The abutment bearings shall be in place and the jacks lowered before the new concrete deck is poured. Hardwood timbers shall be installed tightly between top

and bottom flanges directly over the jack location to

Anchor bolts for Type II bearings shall be placed in holes drilled in the concrete through holes in the bottom bearing plate after members are in place. Side retainers shall be placed after bolts are installed.

The ${}^{\prime\prime}_{8}$ '' 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 ¹₈" PTFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.

Cost of hold down plates and wire ties at West Abutment included in Furnishing and Erecting Structural Steel. Hold Down Plates at West Abutment bearings shall be removed

after the construction of the concrete deck is complete.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type II	Each	26
Anchor Bolts, 1"	Each	52
Furnishing and Erecting Structural Steel	Pound	3650

7	8 thru II	12	13
- 10 "	31°-30′-10″	30°-47′-29"	30°-04′-09'
	7 ¹ 2"	7'2"	7 ⁵ 8"
	4 ⁵ 8"	4'2"	4 ³ 8"
,	9 ³ 8"	9'2"	9/2"
'	5 ³ 4"	5 ⁵ 8"	5'2"

	Eas	st Abutm	ent					
Beam 5	Beam 6	Beam 7	Beam 8	Beam 9	Beam 10	Beam II	Beam 12	Beam 13
7 ¹ 8"	578"	5%"	8'8"	734"	9"	9"	81/2"	8%"
9 ¹ 8"	778"	7/8"	10'8"	9 ³ 4"	11"	11"	10'2"	10%"
West Abutment								
7 ³ 8"	6 ³ 4"	4'8"	8 ³ 8"	778"	8 ⁵ 8"	9′8″	834"	8 ¹ 2"
$9\frac{3}{8}''$	8 ³ 4"	6'8"	10 ³ 8"	9 ⁷ 8"	10 5 8 "	11'8"	10 34"	10 2"

DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
5-0037	573	61HB-1-R	KANE		79	
	CONTRACT NO. 60K7					
SHEETS	ILLINOIS FED. AID PROJECT					