

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

BILL OF MATERIAL

Total Furnishing Elastomeric Fach 17 Bearing Assembly Type III Anchor Bolts, 1¹2" Each 34

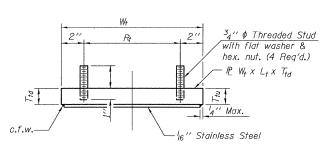
* NOT IN CONTRACT

 \mathcal{L} $D_a \phi \times L_a$ Anchor bolts (F1554 Grade 36) with $W_p \times W_p \times {}^{5}_{16}$ " f_2^p washer under nut $H_b \phi$ Hole in bottom P_c .

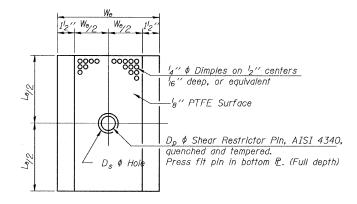
Side Retainer

ELEVATION AT ABUT.

TYPE III ELASTOMERIC EXP. BRG.

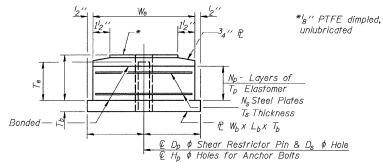


TOP BEARING ASSEMBLY



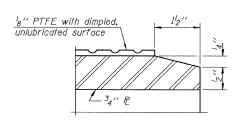
PLAN-PTFE ELASTOMERIC BRG.

SECTION A-A

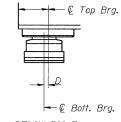


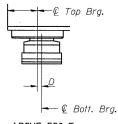
BOTTOM BEARING ASSEMBLY

11-1-09



SECTION THRU PTFE





<u>BELOW 50° F.</u>
(Move bottom brg. away from fixed brg.) (Move bottom brg. toward fixed brg.)

SETTING ANCHOR BOLTS AT EXP. BRG.

 $D='g^{\prime\prime}$ per each 100' of expansion for every 15° temp. change from the normal temp. of 50° F.

ELASTOMERIC BEARING TYPE III STRUCTURE NO. 016-3240

TYLININTERNATIONAL

I-2E-3

DESIGNED		DY, LS	REVISIONS	
CHECKED	-	AMD, LS	NAME	DATE
DRAWN		DY, LS		
CHECKED	_	AMD, LS		
DATE	-	08/02/10		

SHEET NO. 32 33 SHEETS

F.A.I RTE. TOTAL SHEET SHEETS NO. SECTION COUNTY 55 0711.2R & 1011.1BR COOK 200 199 CONTRACT NO. 60L39 FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

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 at fixed bearings may be either cast in

Anchor bolts shall be ASTM F1554 all-thread (or an

Notes:

place or installed in holes drilled after the supported member is in place.

Anchor bolts for Type III 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.

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

Side retainers and other steel members required for the bearing assembly shall be included in the cost of "Furnishing Elastomeric Bearing Assembly, Type III".

The '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

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. The structural steel plates of the Bearing Assembly shall conform to the requirements of AASHTO M 270 Grade 36.

For bearing dimensions refer to the table on sheet 30.