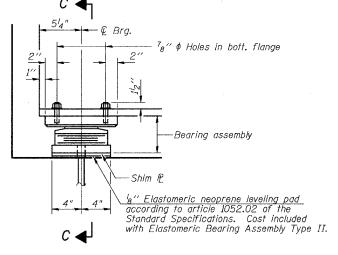
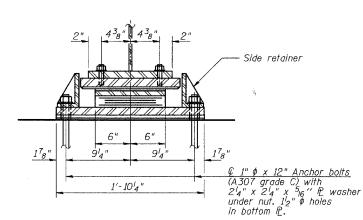


50 - SHEETS

• 00-00114-00-PV CONTRACT NO. 63024





ELEVATION AT ABUTMENT

DESIGNED - PL

CHECKED - SP

CHECKED

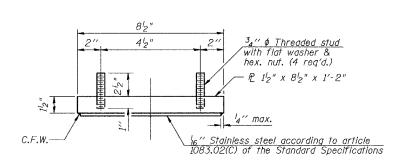
DRAWN

SP

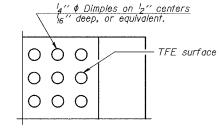
- PL

SECTION C-C

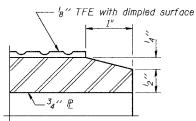
TYPE II ELASTOMERIC EXP. BRG. AT EAST ABUTMENT



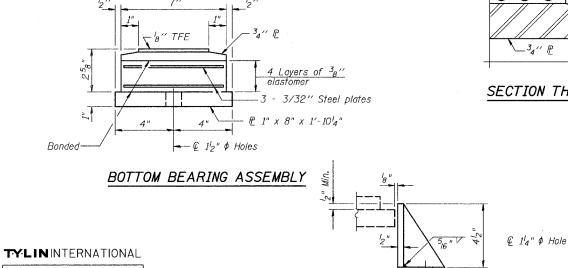
TOP BEARING ASSEMBLY



PLAN-TFE SURFACE

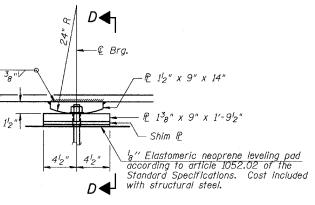


SECTION THRU TFE



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.



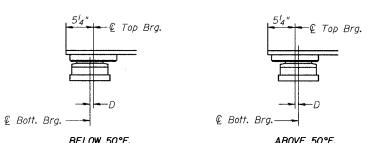
(move bott. brg. away from fixed brg.)

ELEVATION AT PIER 1

$1^3_{\it R}$ " ϕ Holes-1" deep in top IP for 1^4 " ϕ pintles. Thread or press fit in bottom IP. § 1" ϕ x 12" Anchor bolts (A307 grade C) with $2'_4$ " x $2'_4$ " x $5'_6$ " E washer under nut. $1'_2$ " ϕ holes in bottom E. 1'-912"

SECTION D-D

FIXED BEARING AT PIER 1





(move bott. brg. toward fixed brg.)

SETTING ANCHOR BOLTS AT EXP. BRG.

 $D=\frac{1}{8}$ " per each 100' of expansion for every 15° temp. change from the normal temp. of 50°f.

NOTES:

- 1. 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.
- 2. Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.
- 3. Anchor bolts for Type II 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.
- 4. Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.
- 5. Side retainers and other steel members required for the bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type II.
- 6. The 18" TFE 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.
- 7. Bonding of '8'' TFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved
- 8. The structural steel plates of the Bearing Assembly shall conform to the requirements of AASHTO M270 Grade 50W.
- 9. Two $^{\prime}_{8}$ " adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.

BILL OF MATERIAL

PINTLE

ITEM	UNIT	TOTAL
Elastomeric Bearing Assembly Type I	Each	43
Elastomeric Bearing Assembly Type II	Each	21
Anchor Bolts, 1" ø	Each	128
Anchor Bolts, 1 ¹ ₄ " φ	Each	42

REVISIO	NS	
NAME	DATE	BEARINGS - II
		BLANINGS - 11
		75th STREET OVER THE
		WEST BRANCH OF THE DUPAGE RIVER
		FAP 369
		SECTION 00-00114-00-PV STA. 151+38.03
		DUPAGE COUNTY
		S.N. 022-3118