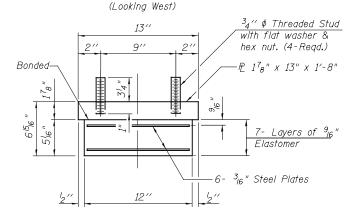


ELEVATION AT S. ABUT.

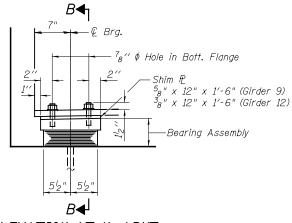
BEARING ASSEMBLY



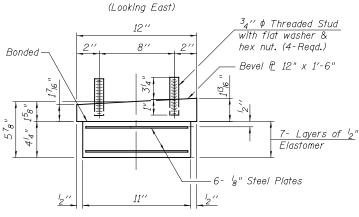
Side Retainer, typ. 12/4" 12/4 2'-012' (F1554 Grade 36) with 24"x 24"x 516" P washer SECTION A-A under nut

under Bearing Assembly.

1" ∮ x 12" Anchor bolts Shim plates shall not be placed



ELEVATION AT N. ABUT.



Shim plates shall not be placed under Bearing Assembly.

1'-1012'

SECTION B-B

Side Retainer, typ.

€ 1" \$\phi\$ x 12" Anchor bolts

(F1554 Grade 36) with

under nut

2¹₄"x 2¹₄"x⁵₁₆" P2 washer

BEARING ASSEMBLY

TYPE I ELASTOMERIC EXP. BRG. AT NORTH ABUTMENT

18 Required

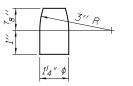
φ 1³8" Holes-1" deep in top P for 1¹₄" ϕ pintles. Thread or press fit in bottom P. 5" N 5" -P 1³4'' x 9" x 1'-10" 13½" 13½" ^l₈" elastomeric neoprene leveling pad 84" according to the material properties of Article 1052.02(a) of the Standard 2'-72" 3"x 3"x 516" P washer under nut Specifications, Cost included with 2" \$\phi\$ holes in bottom plate. Structural Steel.

TYPE I ELASTOMERIC EXP. BRG. AT SOUTH ABUTMENT

18 Required

ELEVATION AT PIER

SECTION C-C



PINTLE

€ 1¹2" \$ Hole

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

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 at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.

Anchor bolts for side retainers may be cast in place or installed in holes drilled before or after members are in

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 elastomeric bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type I.

The structural steel plates of the Elastomeric and Fixed Bearing Assemblies, including pintles, shall conform to the requirements of AASHTO M 270 Grade 50.

Two $\frac{1}{8}$ in, 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

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	36
Anchor Bolts, 1"	Each	72
Anchor Bolts, 1 ^l 2"	Each	36

FIXED BEARING AT PIER

18 Required

G INC.	USER NAME =	DESIGNED	-	AY	REVISED	
		DRAWN	-	AY	REVISED	ı
	PLOT SCALE =	CHECKED	-	AD	REVISED	ì
	PLOT DATE =	DATE	-	2/18/2013	REVISED	ı

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

BEARING DETAILS (GIRDERS 1 THRU 9 & 12 THRU 20) STRUCTURE NO. 016-1250 SCALE: NONE SHEET NO. S31 OF S59 SHEETS

TOTAL SHEE NO. SECTION COUNTY 2746 1616B COOK 404 300 CONTRACT NO. 60J14

 ${\tt Q:\IDOT\21050_006_CumberlandAve\Drawings\CADD\Sheets\D160J14-sht-tsl-BearingDets.dgn}$

PATRICK ENGINEERING

4970 VARSITY DRIVE

LISLE, IL 60532