

WEST ABUTMENT TYPE II ELASTOMERIC EXP. BEARING

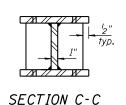
³₄" ¢ Threaded Stud

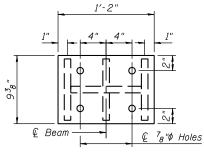
with flat washer &

hex. nut. (4 Req'd.)

 $P 1'-2" \times 9^{3}8" \times 1^{3}4"$

ELEVATION STEEL EXTENSION





PLAN STEEL EXTENSION

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

Engineer-approved alternate material) of the grade(s)

and diameter(s) specified. The corresponding specified grade of AASHTO M314 anchor bolts may be used

Anchor bolts at fixed bearings may be either cast in

Anchor bolts for side retainers may be cast in place or

Drilled and set anchor bolts shall be installed according

installed in holes drilled before or after members are in

Side retainers and other steel members required for

the elastomeric bearing assembly shall be included in the

Two $\frac{1}{8}$ in. adjusting shims shall be provided for each

bearing in addition to all other plates or shims and placed

See Sheet 19 of 27 for West Abutment Bearing Details.

See Sheet 17 of 27 for Interior Girder Reaction Tables.

jack capacity is 14 kips at West Abutment.

A. Jacking and removing existing bearings shall be done after

B. The Contractor shall submit, for approval by the Engineer, plans

commencing any related work. This work shall be done after

existing concrete deck is removed and prior to pouring of the

steel only) per bearing at West Abutment is 6.8 kips. Minimum

new deck. The maximum dead load reaction per beam (weight of

for jacking existing girders and installing new bearings prior to

Jack and Removal of existing Bearing Procedure:

existing deck removal is complete.

place or installed in holes drilled after the supported

to Article 521.06 of the Standard Specifications.

cost of Elastomeric Bearing Assembly, Type I.

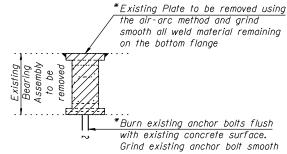
WEST ABUTMENT STEEL EXTENSION

Steel Extensions are to be paid for as Furnishing and Erecting Structural Steel. Prior to ordering any steel extension material, the Contractor shall verify in the field all bearing height and steel extension dimensions.

in lieu of ASTM F1554.

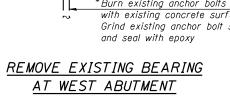
as shown on bearing details.

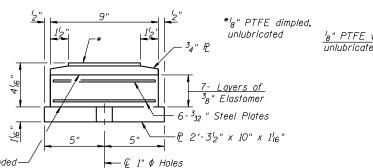
member is in place.



REMOVE EXISTING BEARING

*Cost is included in "Jack and Remove Existing Bearings"



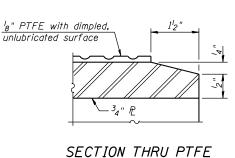


16" Stainless Steel

53_{8"}

WEST ABUTMENT TOP BEARING ASSEMBLY

WEST ABUTMENT BOTTOM BEARING ASSEMBLY



<u>5'2"</u> ← € Top Brg.

BELOW 50°F.

(Move bottom bearing away

from fixed bearing)

Cut portion of side

abutment backwall.

€ Bott. Brg.

retainer to avoid

Cost included in Elastomeric Bearina Assembly Type II

PLAN-PTFE SURFACE

g" Φ Dimples on ½" centers

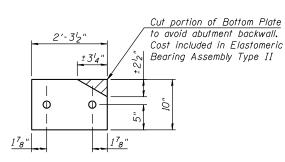
PTFE Surface

 $\sqrt{6}$ " deep, or equivalent.

OO

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PLAN-BOTTOM PLATE

<u>5′2</u>" ← © Top Brg.

ABOVE 50°F.

(Move bottom bearing toward fixed bearing)

WEST ABUTMENT SHIM PLATE DETAILS

Ream No	Shim Plate Height	
1	1"	
2	1"	
3		
4	5 ₈ "	
5	5 ₈ "	
6	⁷ 8"	
7	1"	
8	1 ⁵ 8"	
9	1"	
11	1"	
12	4	

C. The new bearings and steel extensions shall be in place and the jacks shall be lowered before the new concrete deck is poured.

D. See Special Provision.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type II	Each	12
Anchor Bolts, 1"	Each	24
Jack and Remove Existing Bearings	Each	12

€ 1¹4" \$\phi\$ Hole

SIDE RETAINER Equivalent rolled angle with stiffeners

will be allowed in lieu of welded plates.

SETTING ANCHOR BOLTS AT WEST ABUTMENT EXP. BEARING

€ Bott. Brg.

** $E = {}^{l}_{8}$ " per each 100' of expansion for every 15° temp. change from the normal temp. of 50°F.

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	JOLIET, ILLINOIS 60431	
STRAND (815) 744-4200		Ρ
	IDFPR NO. 184-001273	Р

0	USER NAME = brianf	DESIGNED KDH	REVISED -
		CHECKED AJS	REVISED -
	PLOT SCALE =	DRAWN BJF	REVISED -
	PLOT DATE = 8/6/2012	CHECKED RRD	REVISED -
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STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

BEARING DETAILS (2 OF 2) STRUCTURE NO. 089-0007	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	
	5	(19VB-1)D	STEPHENSON	73	50
SINCOIONE NO. 003-0007			CONTRACT	NO. 6	54E76
SHEET NO. 19 OF 27 SHEETS		TILLINOIS FED. A	D PROJECT		