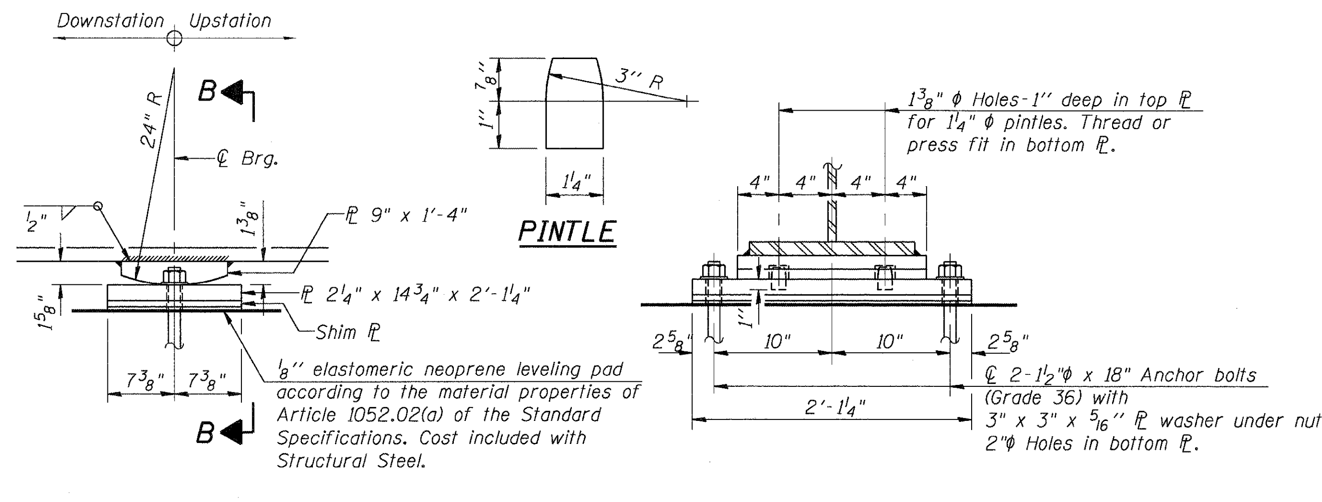
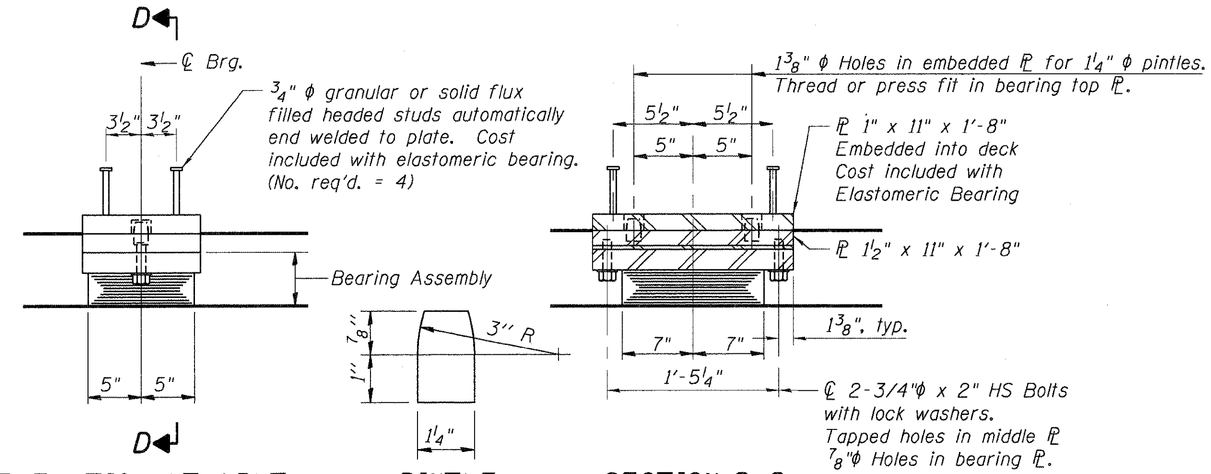


ELEVATION AT PIER

SECTION B-B

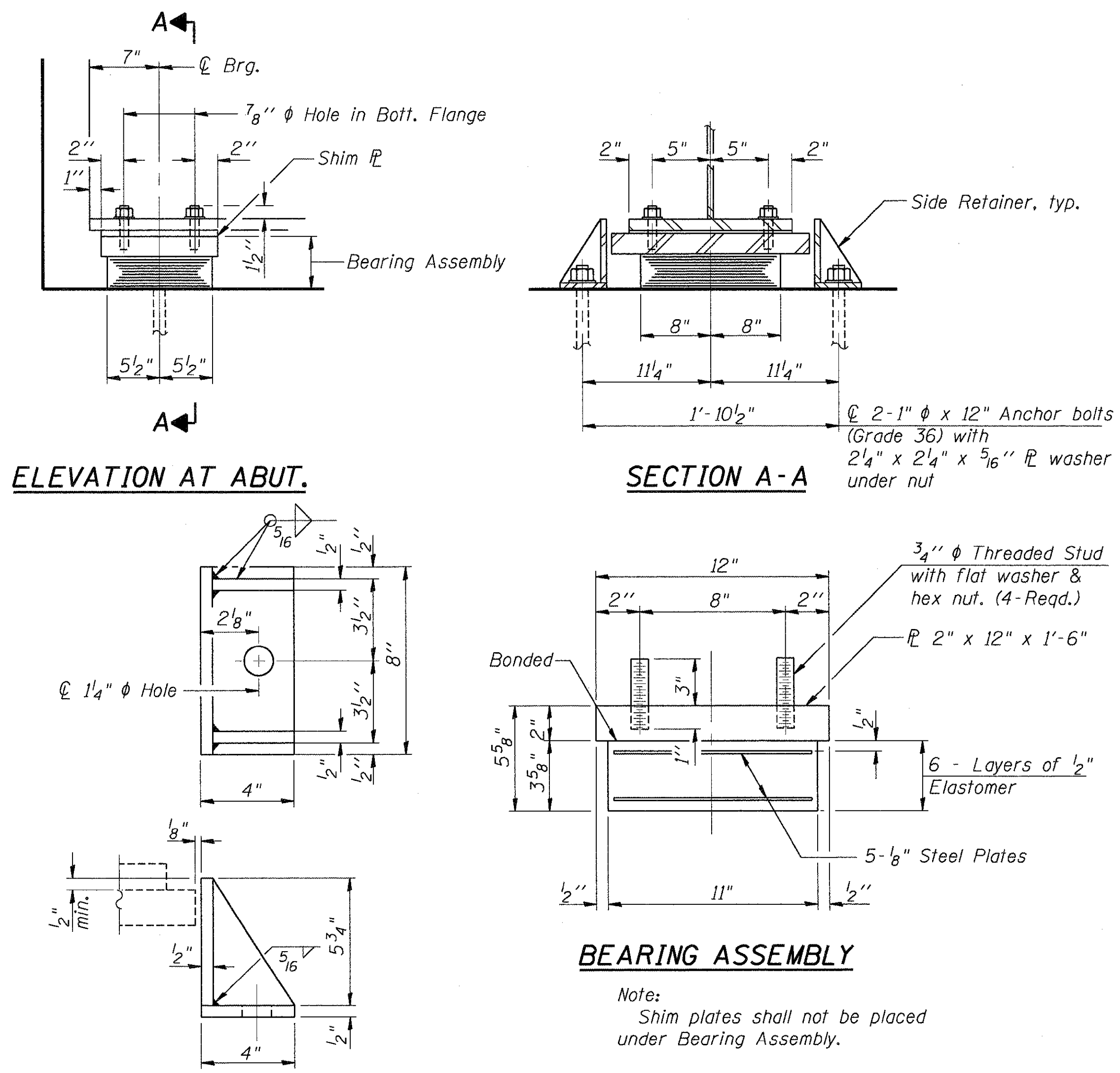
FIXED BEARING AT PIER



ELEVATION AT ABUT. PINTLE SECTION D-D

TYPE I ELASTOMERIC EXP. BRG. AT SLAB SOUTHWEST CORNER

(No Side Retainers)



ELEVATION AT ABUT.

SECTION A-A

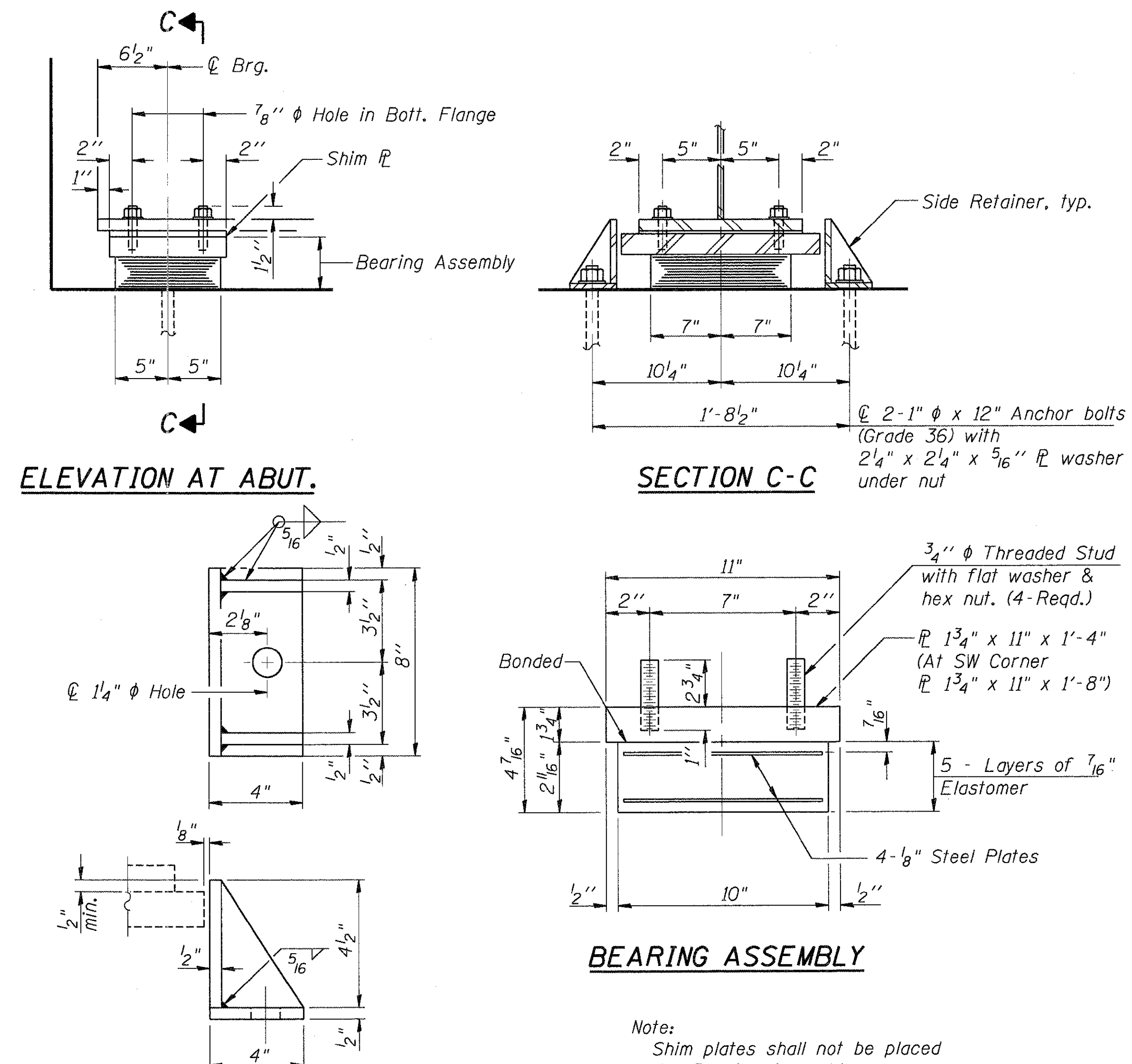
SIDE RETAINER

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

BEARING ASSEMBLY

Note:
Shim plates shall not be placed under Bearing Assembly.

NORTH ABUTMENT TYPE I ELASTOMERIC EXP. BRG.



ELEVATION AT ABUT.

SECTION C-C

SIDE RETAINER

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

BEARING ASSEMBLY

Note:
Shim plates shall not be placed under Bearing Assembly.

SOUTH ABUTMENT TYPE I ELASTOMERIC EXP. BRG.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	17
Anchor Bolts, 1"	Each	32
Anchor Bolts, 1½"	Each	16

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 for fixed bearings may be either cast in place or installed in holes after members are in place.
3. Anchor bolts for side retainers may be either cast in place or installed in holes drilled before or after members are in place.
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 elastomeric bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type I.
6. The structural steel plates of the elastomeric bearing assemblies shall conform to the requirements of AASHTO M 270 Grade 36.
7. The structural steel plates of the fixed bearing assemblies shall conform to the requirements of AASHTO M 270 Grade 50.
8. Two ⅛" adjusting shims shalls be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.
9. The anchor bolt sizes and grades shown constitute a calculated seismic structural fuse. Substitution of higher diameter and/or grade anchor bolts will not be allowed.

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\0820318-CONN-99-001-BD.DGN NEWMANMD 5-11-2011, 9:53:19

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - TCG	REVISED -	
		DRAWN - TCG	REVISED -	
TENG & ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS	PLOT SCALE = $SCALE$	CHECKED - JLR	REVISED -	
	PLOT DATE = $DATE$	DATE - 05/13/11	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL 3 OVER I-70

BEARING DETAILS

SCALE: | SHEET NO. SA-21 OF SA-57 | STA. 1683+43.17 TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
998	82-2-1HVB-1	ST. CLAIR	345	156
	SN 082-0328	CONTRACT NO. 76D05		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		