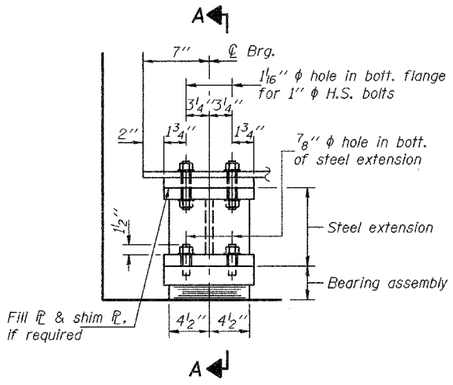
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

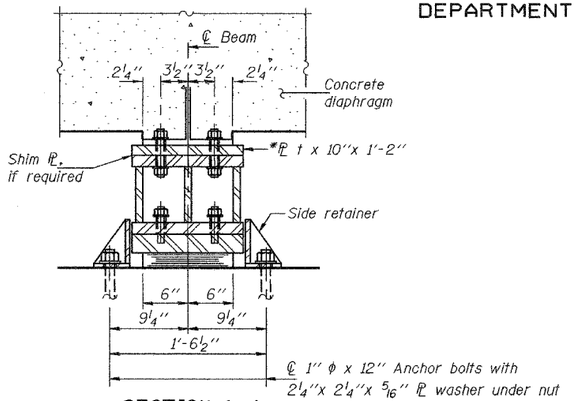
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 309	7HBR-1	WHITESIDE	146	48
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 11
23 SHEETS

Contract #84883



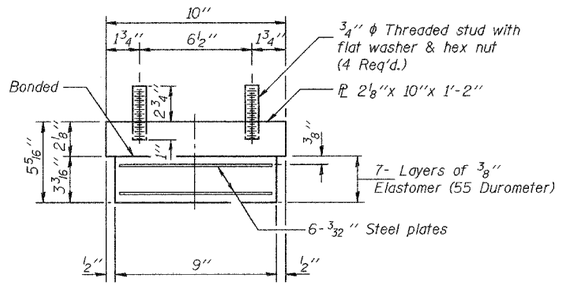
ELEVATION AT ABUTMENTS



SECTION A-A

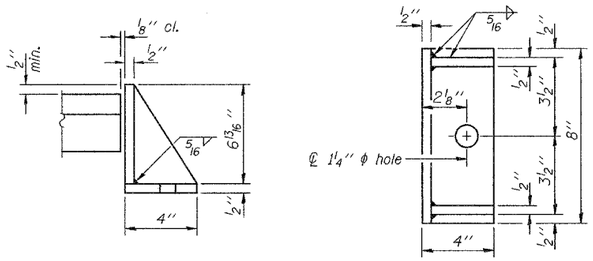
TYPE I ELASTOMERIC EXP. BRG.

Beams 1A & 5A shown, existing beams 1 thru 5 similar.



BEARING ASSEMBLY

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



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates. Weight included with Structural Steel.

DESIGNED	CCC
CHECKED	DPN
DRAWN	h.t. duong
CHECKED	CCC/DPN

Oct. 11, 2005
EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

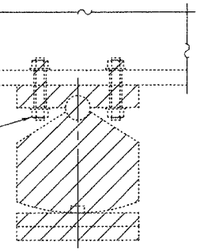
JACK AND REMOVE EXISTING BEARING PROCEDURE

1. The Contractor shall submit for approval by the Engineer, plans for jacking prior to commencing any work at the bearings.
2. Jacking and removing existing bearings shall be done after existing deck removal is completed and before a new deck is poured. Cost included with Jack and Remove Existing Bearing.
3. Jacking shall be limited to a maximum of 1/8".
4. The maximum dead load reaction with deck removed (per bearing) at each abutment is 3.0 k, 8.6 k at Piers 1 & 3 and 7.0 k at Pier 2. Min. jack capacity at the abutments is 4.5 k and 12.9 k at the piers.
5. The new bearings and steel extensions shall be in place and the jacks shall be lowered before the new concrete deck is poured.

*h & t DIMENSIONS

West Abutment							
Dimension	Beam 1A	Beam 1	Beam 2	Beam 3	Beam 4	Beam 5	Beam 5A
h	6 15/16"	6 15/16"	6 15/16"	9 3/8"	9 3/8"	9 3/8"	9 3/8"
t	———	———	1 9/16"	———	3/16"	———	———

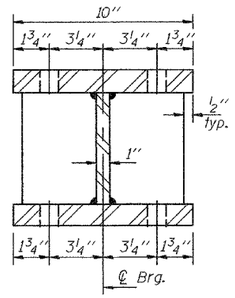
East Abutment							
Dimension	Beam 1A	Beam 1	Beam 2	Beam 3	Beam 4	Beam 5	Beam 5A
h	6 15/16"	6 15/16"	6 15/16"	9 3/8"	9 3/8"	9 3/8"	9 3/8"
t	———	———	1 15/16"	3/4"	1 5/16"	1 1/8"	1 1/8"



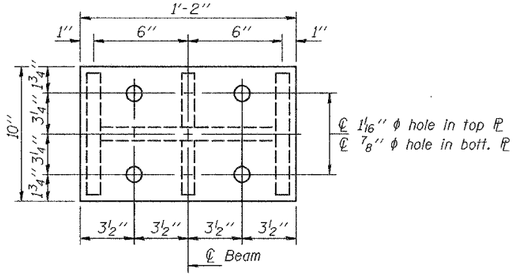
EXISTING BEARING REMOVAL

At Abutments

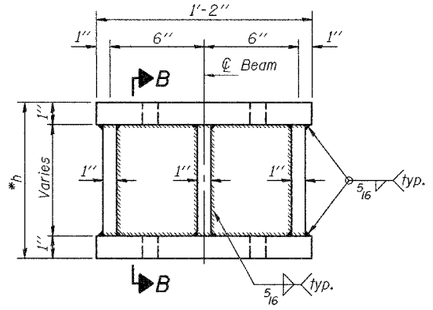
Notes: Hatched area indicates existing bearing to be removed. Cost included with Jack and Remove Existing Bearings.



SECTION B-B



PLAN-TOP & BOTTOM PLATE



STEEL EXTENSION DETAIL

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	14
Jack and Remove Existing Bearings	Each	10

BEARING DETAILS
F.A.P. RTE. 309 - SEC. 7HBR-1
WHITESIDE COUNTY
STATION 51+17.83
STRUCTURE NO. 098-6000