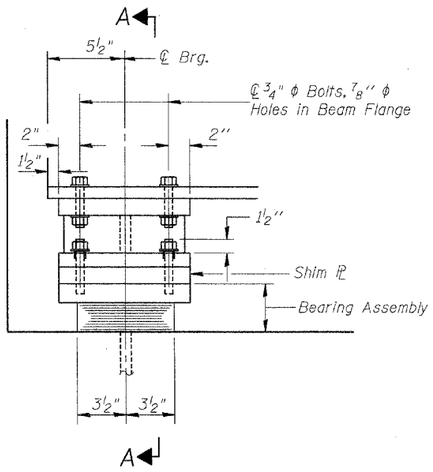
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

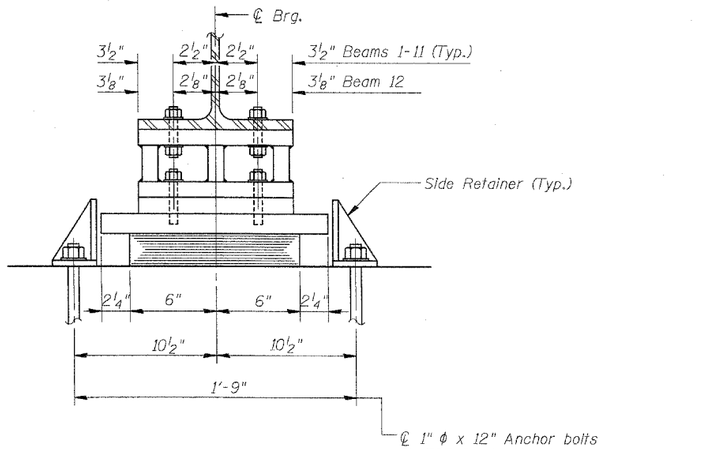
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 301 (US 20)	(2HB -1)D	WINNEBAGO	107	81
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 16
34 SHEETS

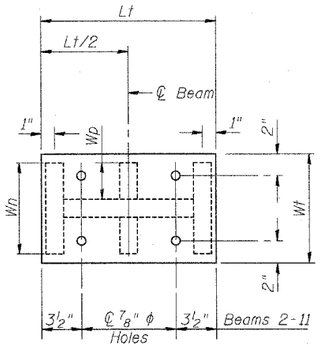
Contract #64B07



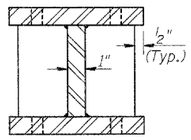
ELEVATION AT ABUT.



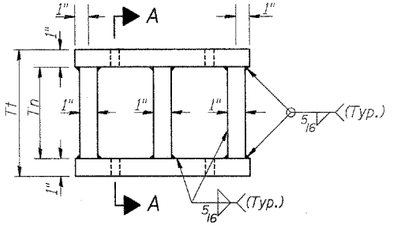
SECTION A-A



PLAN STEEL EXTENSION

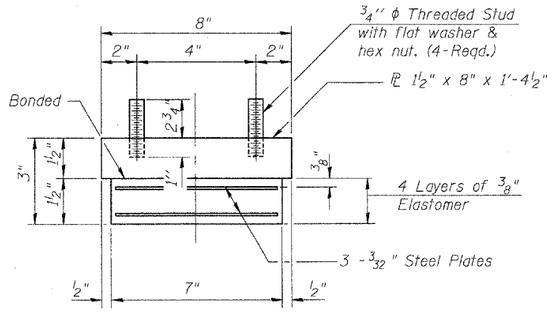


SECTION A-A



ELEVATION STEEL EXTENSION

TYPE I ELASTOMERIC EXP. BRG.
(West Abutment)



BEARING ASSEMBLY

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

Notes:

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 place.

Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

Side retainers, steel extensions, and other steel members required for the bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type I.

Two ⅛ in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.

The structural steel plates of the Bearing Assembly shall conform to the requirements of AASHTO M 270 Grade 50.

STEEL EXTENSION TABLE

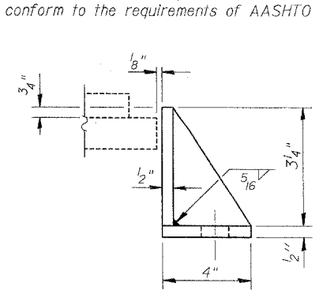
Location	Bm. No.	Tn	Tt	Lt	Wp	Wn	Wt
West Abut.	2	8 5/8"	10 5/8"	12"	3"	7"	8"
West Abut.	3	8 5/8"	10 5/8"	12"	3"	7"	8"
West Abut.	4	8 5/8"	10 5/8"	12"	3"	7"	8"
West Abut.	5	8 7/8"	10 7/8"	12"	3"	7"	8"
West Abut.	6	8 5/8"	10 5/8"	12"	3"	7"	8"
West Abut.	7	8 5/8"	10 5/8"	12"	3"	7"	8"
West Abut.	8	8 5/8"	10 5/8"	12"	3"	7"	8"
West Abut.	9	8 5/8"	10 5/8"	12"	3"	7"	8"
West Abut.	10	8 7/8"	10 7/8"	12"	3"	7"	8"
West Abut.	11	8 5/8"	10 5/8"	12"	3"	7"	8"

NOTES:
Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions.

For existing beams 2-11, holes will need to be drilled in the bottom flange of the beams using the proposed steel extension as a template. Cost is included with Elastomeric Bearing Assembly Type I.

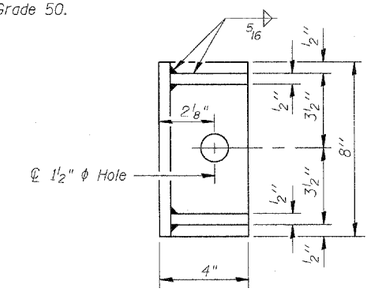
BILL OF MATERIAL

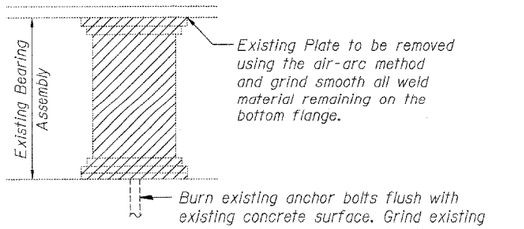
Item	Unit	Total
Jack & Remove Existing Bearings	Each	10
Elastomeric Bearing Assembly Type I	Each	12
Anchor Bolts 1"ϕ	Each	24



SIDE RETAINER
(24 Required)

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





EXISTING BEARING REMOVAL DETAIL

DESIGNED	SSM
CHECKED	JLA
DRAWN	GYR
CHECKED	SSM

I-2-E1 11-1-06

Plans Prepared by: Kudrna & Associates, Ltd.

ELASTOMERIC BEARING ASSEMBLY TYPE I
F.A.P. ROUTE 301 (US 20)
OVER SIMPSON ROAD
SECTION (2HB-1)D
WINNEBAGO COUNTY
STATION 849+27.97
STRUCTURE NO. 101-0053 (W.B.)
STRUCTURE NO. 101-0054 (E.B.)