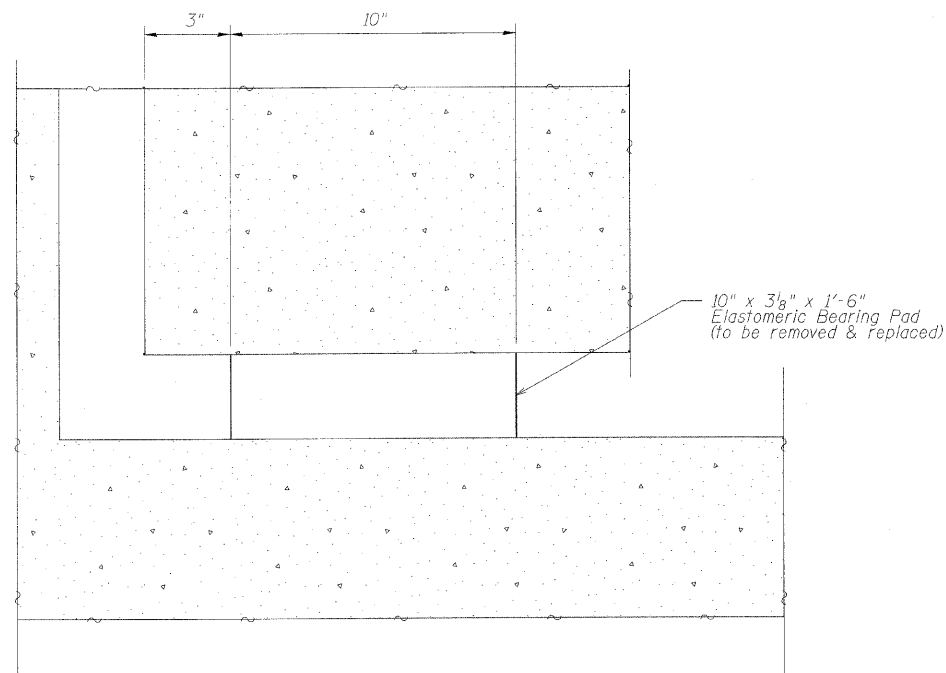
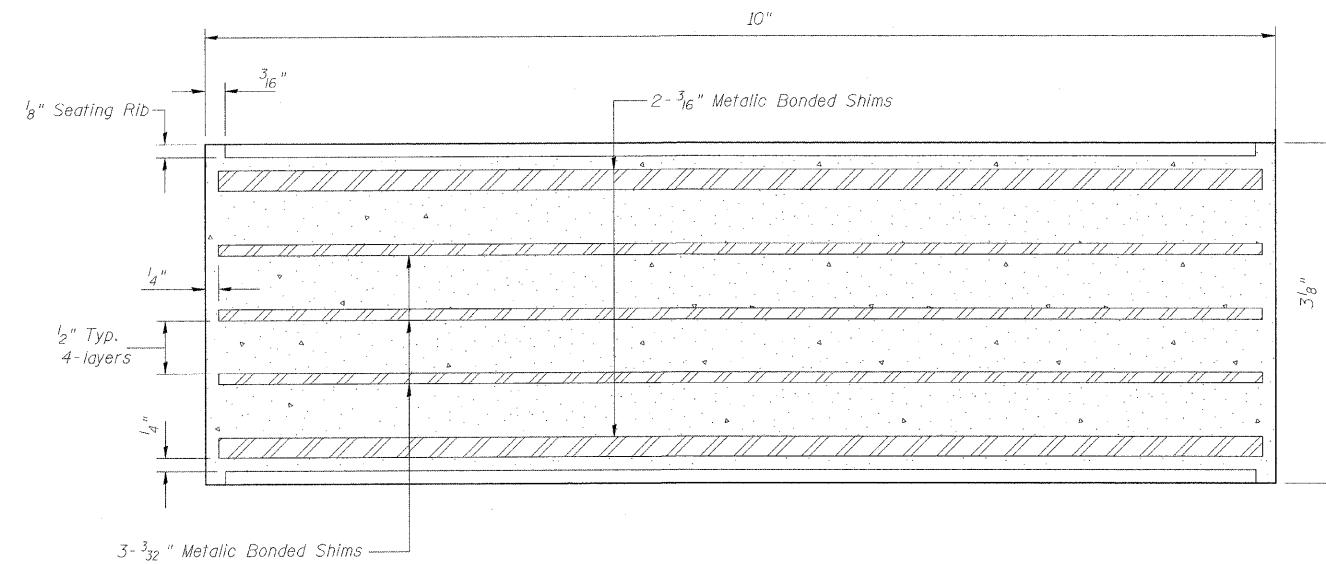


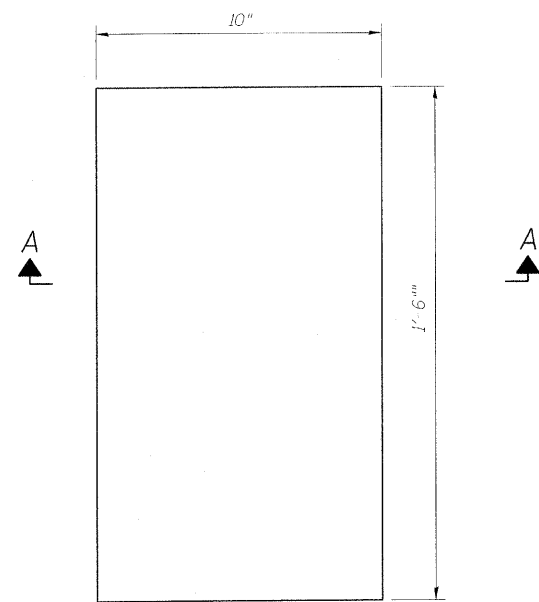
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SECTION AT WEST ABUTMENT



ELASTOMERIC BEARING DETAIL
SECTION A-A



PLAN

Notes:

- Elastomeric Bearing Pads shall be grade 50.
- Side Retainers and other steel members required for bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, TY I (Special).
- All (embedded and separate) bearing plates, side retainers, anchor bolts, nuts, washers and pintles shall be galvanized according to AASHTO M111 or M232 as applicable.
- Anchor bolts shall be ASTM F1554 all-thread (or an Engineer approved alternate material) of the grade and diameter specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36 ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.
- Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

Cost of materials and labor to fabricate and install the elastomeric bearing is included in the contract unit price each for Elastomeric Bearing Assembly, Type I (Special)

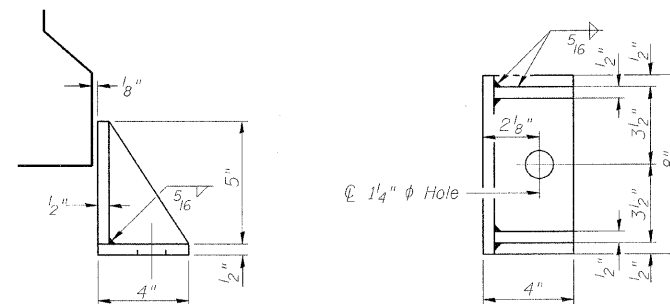
BEAM REACTIONS

R_{DL}	46.2 Kips
R_{SDL}	7.9 Kips
R_{LL}	37.1 Kips
R_{IMP}	9.4 Kips
R_{TOTAL}	100.6 Kips

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type I (Special)	Each	16
Jack & Remove Existing Bearings	Each	16
Anchor Bolts, 1"	Each	32

Minimum Jack Size = 58 Tons



SIDE RETAINER

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

BEARING DETAILS
STRUCTURE NO. 016-0942

DESIGNED	A. Seiber
CHECKED	J. Hamelka
DRAWN	A. Seiber
CHECKED	J. Hamelka

EXAMINED	January, 2010
PASSED	ENGINEER OF STRUCTURAL SERVICES
	ENGINEER OF BRIDGES AND STRUCTURES

SHEET NO. S9 OF S9 SHEETS	F.A.P. RTE. 377	SECTION 2009-1171	COUNTY COOK	TOTAL SHEETS 15	SHEET NO. 13
	CONTRACT NO. 60J50				
ILLINOIS FED. AID PROJECT					