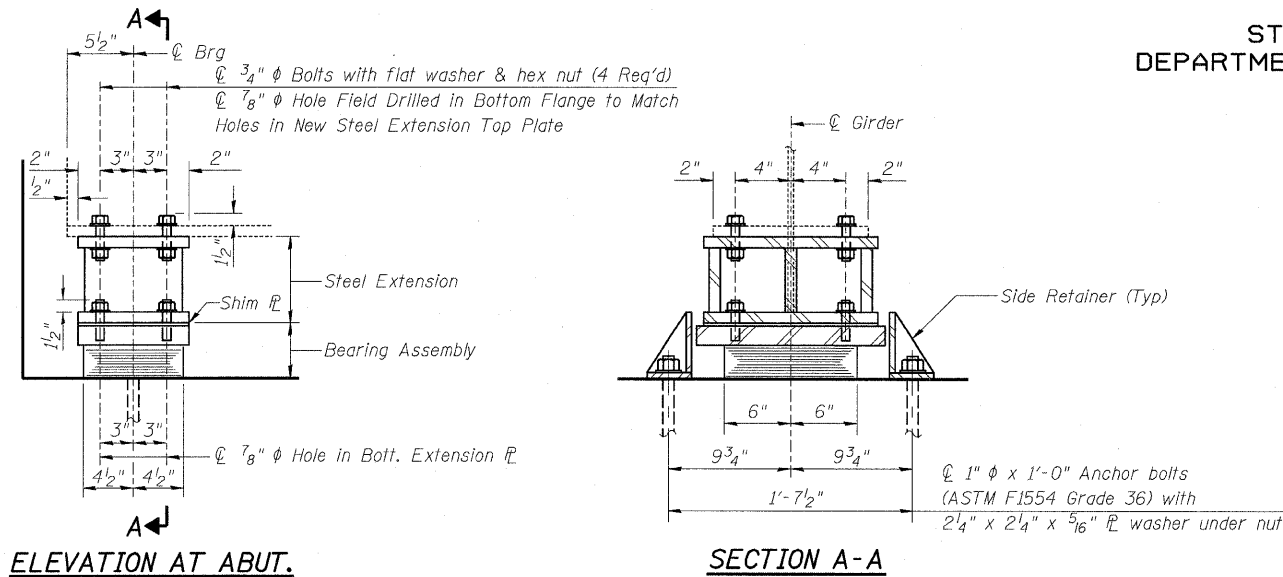


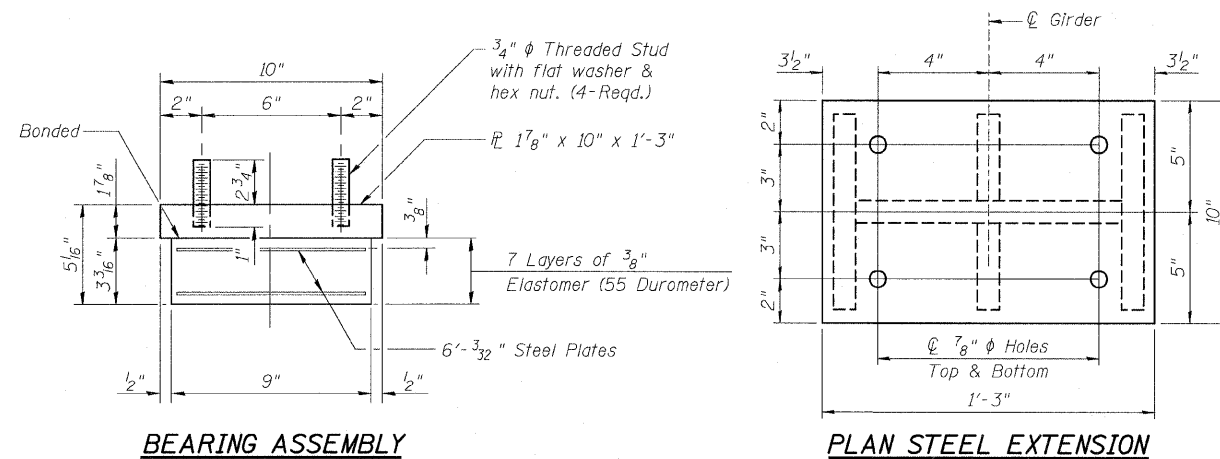
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 19 32 SHEETS
F.A.I. 57	★	COOK	75	45	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

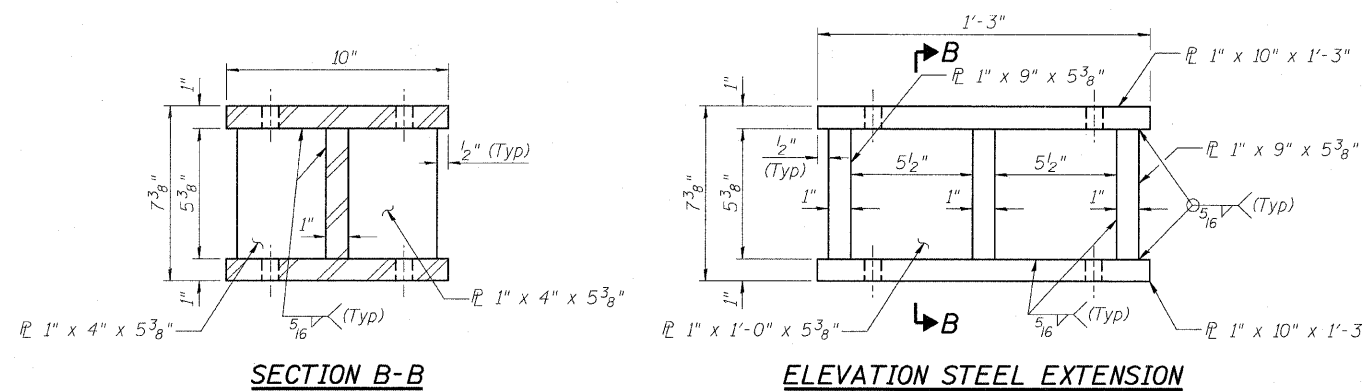
Contract 60366
★ 2122B



TYPE I ELASTOMERIC EXP. BRG.



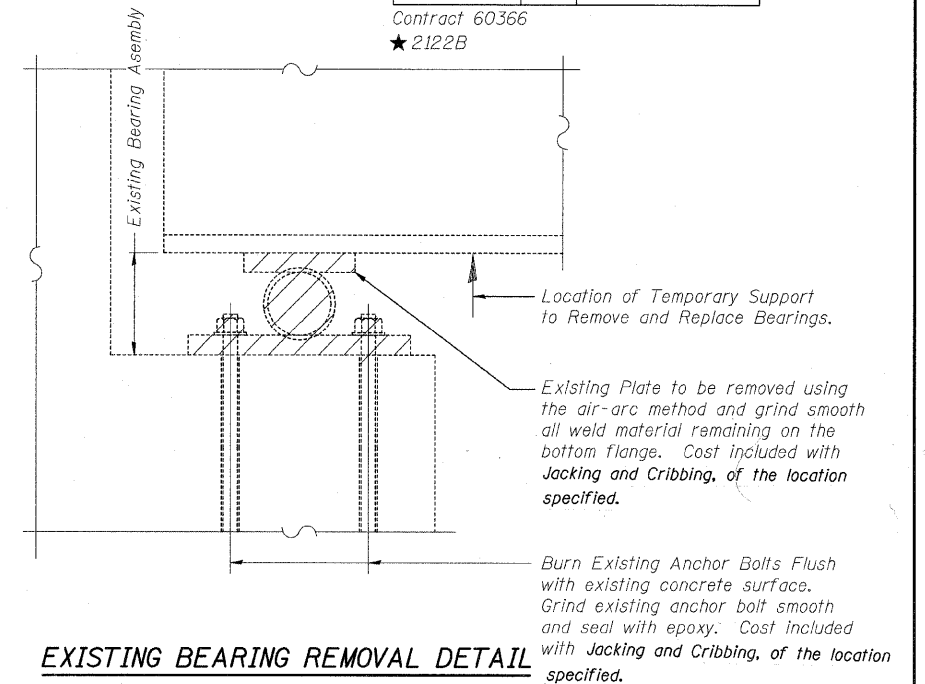
Note:
Shim plates shall not be placed under Bearing Assembly.



DESIGNED	KFA
CHECKED	NDR
DRAWN	RD
CHECKED	DSE
DATE	JAN 16, 2009

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.
 Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.
 Side retainers and other steel members required for the bearing assembly shall be included in the cost of Elastomeric Bearing Assembly, Type I.
 Steel Extensions shall be included in the cost of Furnishing and Erecting Structural Steel.
 The structural steel plates of the Bearing Assembly and Steel Extension shall conform to the requirements of AASHTO M270 Grade 36.

Two 1/8 inch adjusting shims shall be provided for each bearing and placed as shown on bearing details.

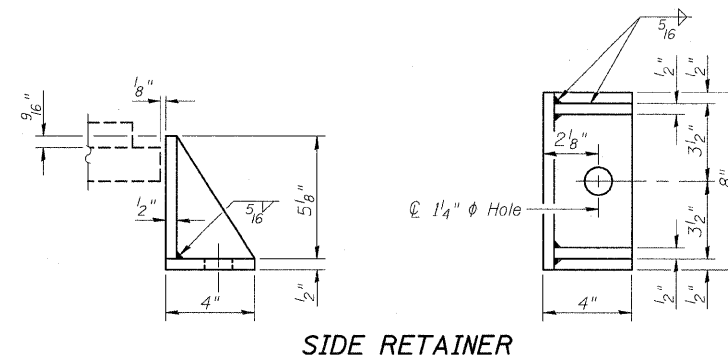


JACKING AND CRIBBING PROCEDURE

- Jacking and Cribbing shall be done after existing deck removal.
- The Contractor shall submit for approval by the Engineer, plans for lifting existing beams and installing new bearings prior to commencing any related work. This work shall be done for each stage after existing concrete deck is removed and prior to pouring of the new concrete deck. The maximum dead load reaction per beam (weight of steel only) at the East and West Abutments is 6 Kips. Minimum jacking capacity is 9 Kips per beam for the East and West Abutments. Cost Included with Jacking and Cribbing, Location 1 for the West Abutment and Jacking and Cribbing, Location 2 for the East Abutment.
- There shall be at least one jack per bearing and the jack shall be placed close to the bearing. Differential jacking height of the steel shall not exceed 1/8 inch transversely between adjacent beams or 1/4 inch longitudinally between adjacent supports and shall be blocked in position until after the completion of the concrete reconstruction and installation of new bearings.
- The new bearings shall be in place and the jacks shall be lowered before the new concrete deck is poured.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	24
Anchor Bolts, 1"	Each	48
Jacking and Cribbing, Location 1	Each	1
Jacking and Cribbing, Location 2	Each	1



Illinois Firm Registration No.: 84-00533

Stanley Consultants INC.
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 www.stanleygroup.com

BEARINGS
 103RD STREET OVER
 FAI 57 (DAN RYAN-WEST LEG)
 FAI RTE 57 SECTION 2122B
 COOK COUNTY
 STA 5+47.40
 STRUCTURE NO 016-2127