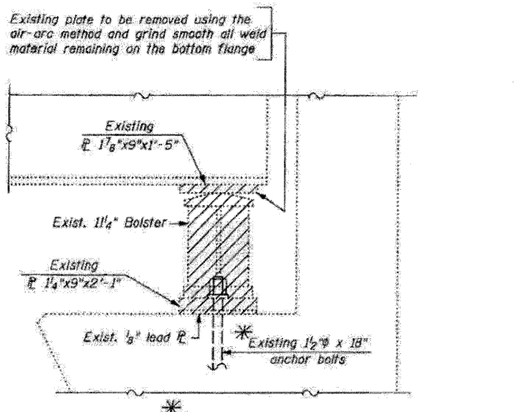
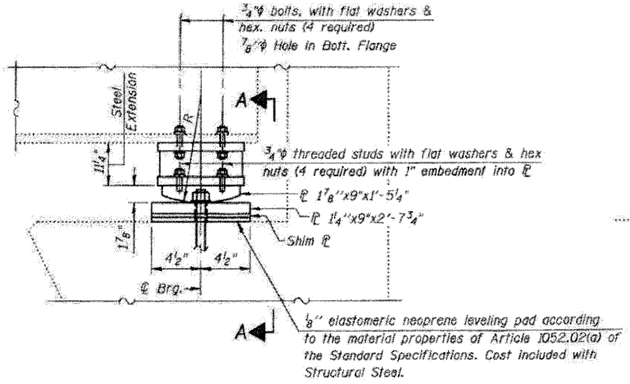
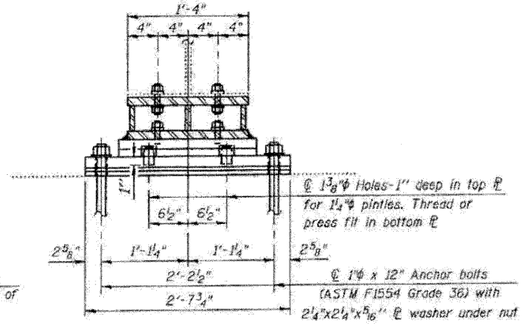


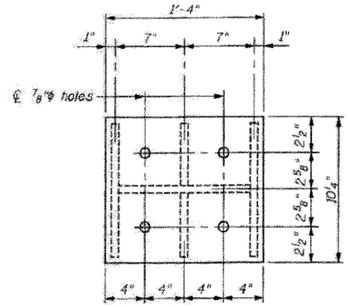
ELEVATION



ELEVATION

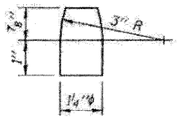


SECTION A-A

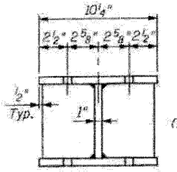


TOP & BOTTOM PLATE PLAN

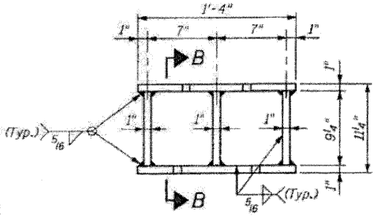
PROPOSED FIXED BEARING AT SOUTH ABUTMENT
(13 required)



PINTLE

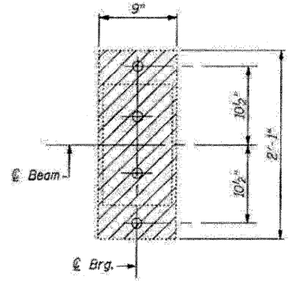


SECTION B-B



STEEL EXTENSION ELEVATION

STEEL EXTENSION DETAIL
(13 required)



PLAN

EXISTING BEARING REMOVAL AT SOUTH ABUTMENT

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 will be installed in holes drilled after the supported members are in place.
Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

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

Min. jack capacity = 90 tons at each bearing location.
Steel extensions, shim plates and connection bolts are included with Furnishing and Erecting Structural Steel.
Two 1/8 in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.

INTERIOR GIRDER REACTION TABLE

		South Abutment (SB)
R℄	(k)	72.97
R℄	(k)	46.21
R Imp.	(k)	9.67
R (Total)	(k)	128.85

INTERIOR GIRDER REACTION TABLE

		South Abutment (NB)
R℄	(k)	70.3
R℄	(k)	45.1
R Imp.	(k)	9.4
R (Total)	(k)	124.8

BILL OF MATERIAL

Item	Unit	Total
Anchor Bolts, 1"	Each	26
Furnishing and Erecting Structural Steel	Pound	5,520
Jack and Remove Existing Bearings	Each	13

BEARING DETAILS
STRUCTURE NO'S. 052-0044 (SB) & 052-0045 (NB)

FILE NAME = 8528244-64E97-14-brg-asse-fixed	DESIGNED - B.N.S./J.C.N.	REVISED -	
PLOT DATE = 3/29/2010	DRAWN - D.L./F.M.	REVISED -	
PLOT SCALE = 50.0000 ' / IN.	CHECKED - B.N.S./J.C.N.	REVISED -	
	DATE - MARCH, 2010	REVISED -	

CHRISTIAN-ROSE & ASSOCIATES, INC.
ENGINEERS-PLANNERS-SURVEYORS
211 WEST WACKER DRIVE
CHICAGO, ILLINOIS 60606
PHONE: (312)372-2023 FAX: (312)372-5274

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIXED BEARING ASSEMBLY – SOUTH ABUTMENT
SOUTHBOUND & NORTHBOUND STRUCTURES S.N. 052-0044 S.N. 052-0045
I-39 OVER PERRY ROAD

SCALE: | SHEET NO. 514 OF 528 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(103-1, 103-2)RS	LEE	313	230
		CONTRACT NO. 64E97		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		