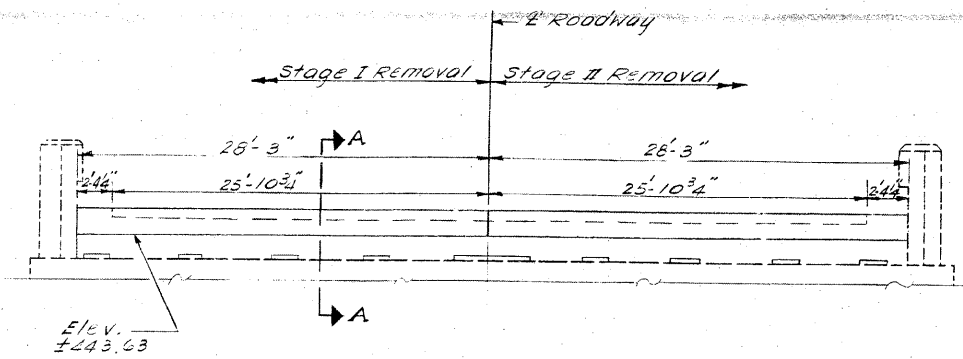


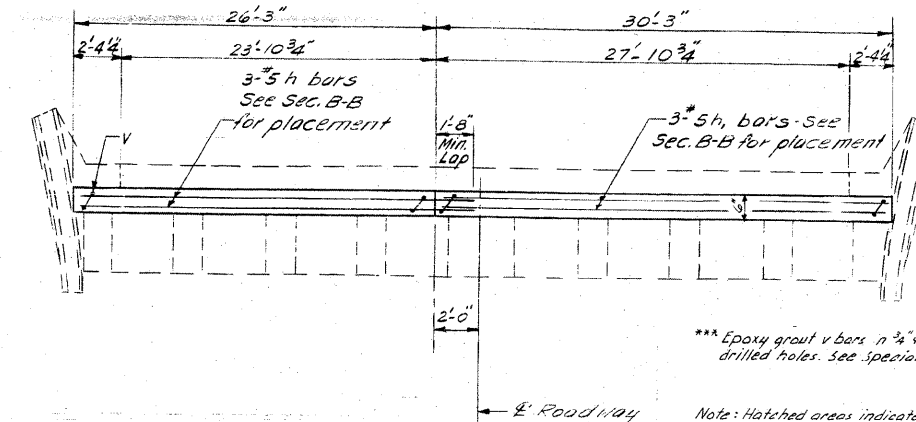
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64-1VBR	St. Clair	23	136	18

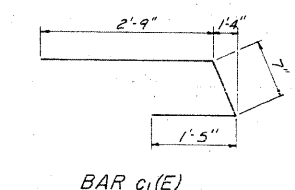
SHEET NO. 96  
18 SHEETS



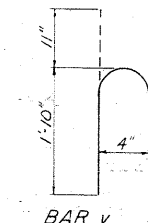
ELEVATION  
Looking North  
Concrete Removal Details



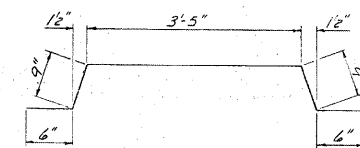
PLAN



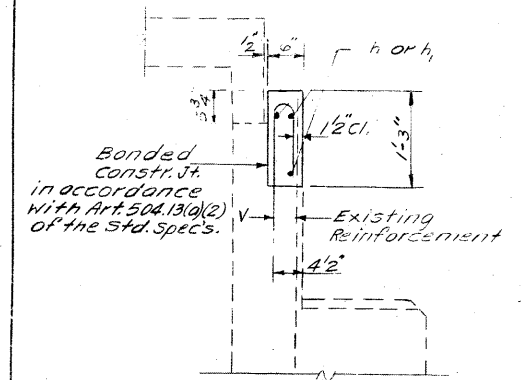
BAR C1(E)



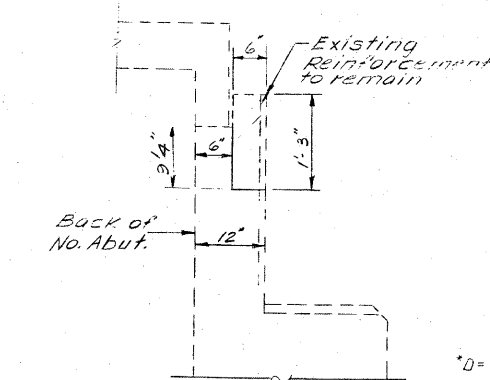
BAR V



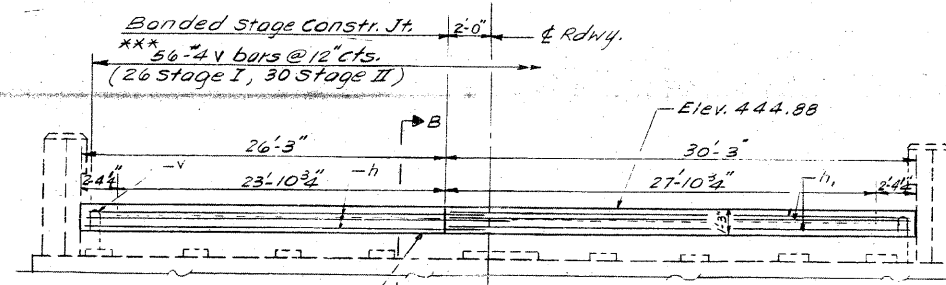
BAR C2(E)



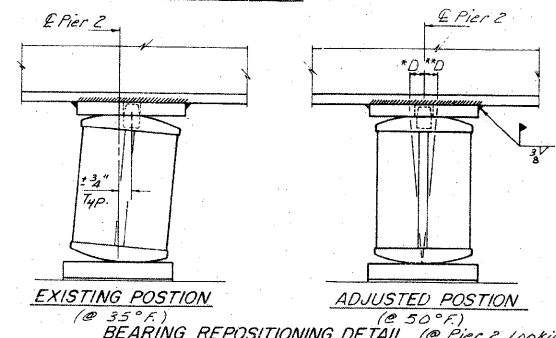
SECTION B-B



SECTION A-A



ELEVATION  
(Looking North)



EXISTING POSITION  
(@ 35°F)  
ADJUSTED POSITION  
(@ 50°F)  
BEARING REPOSITIONING DETAIL (Pier 2 Looking East)

BILL OF MATERIAL

Bar No.	Size	Length	Shape
b6(E)	#5	20'-0"	—
b7(E)	#5	30'-0"	—
C1(E)	#5	4'-9"	—
C2(E)	#5	5'-11"	—
h	#5	27'-0"	—
h1	#5	30'-0"	—
v	#4	2'-0"	—
Concrete Removal Cu/Yds. 1.3			
Reinf. Bars (Sub) Lbs. 280			
Reinf. Bars (Super) (Epoxy Coated) Lbs. 13510			
Class X Concrete Cu/Yds. 1.3			

REPOSITIONING EXISTING BEARINGS  
(10 Req'd.)

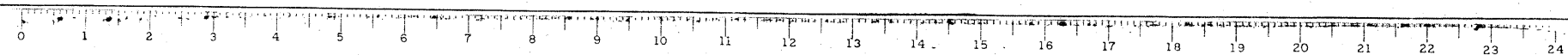
- The Contractor shall submit for approval by the Engineer, plans for jacking prior to commencing any work at the bearings. The dead load reaction per bearing at Pier #2 is 83 kips. The minimum jack capacity for each bearing shall be 60 Tons.
- Only one bearing at a time shall be repositioned.
- Jacking shall be limited to a maximum of 1/8" lift.
- The welds on the existing top plate shall be removed by Arc Gouging and/or grinding. Care shall be taken to avoid damage to the bottom flange of the beam and the top plate. Any unavoidable gouges in the flange shall be ground smooth.
- Adjust the rocker and top plate as shown.
- Lower jacks to allow contact between the bottom flange and the top plate.
- Field weld the top plate as detailed.
- Lower jacks to fully load the bearing.
- All work at bearings shall be included in "Jack and Reposition Bearings".

SUBSTRUCTURE REPAIR DETAILS  
E.A. RTE. 14 SEC. 64-1VBR  
ST. CLAIR COUNTY  
STA. 281+07.13

DESIGNED: *David J. Kasper*  
CHECKED: *Ralph E. Anderson*  
DRAWN: *L.H.*  
CHECKED: *R.E.A.*

EXAMINED: *James J. Kasper*  
PASSED: *James J. Kasper*  
APPROVED: *James J. Kasper*  
DIRECTOR OF HIGHWAYS

April 4 1986



FOR INFORMATION ONLY

FILE NAME = ...144-0876882-exist-bridge-repair-plans-4.dgn	USER NAME = CFC...	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SN 082-0030 PLANS (REHABILITATION PLANS)	SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	F.A.P. RTE. 312	SECTION 64-1VBR	COUNTY ST. CLAIR	TOTAL SHEETS 259	SHEET NO. 144
PLOT SCALE = 40,000,000 / 1 IN.	PLOT DATE = 8/5/2010	DRAWN -	REVISED -			ILLINOIS FED. AID PROJECT							
DATE - / /	REVISIONS	CONTRACT NO. 76882											

**CB** Coombe-Bloxdorf P.C.  
- CIVIL ENGINEERS -  
- STRUCTURAL ENGINEERS -  
- LAND SURVEYORS -  
Design Firm License No. 184-002703