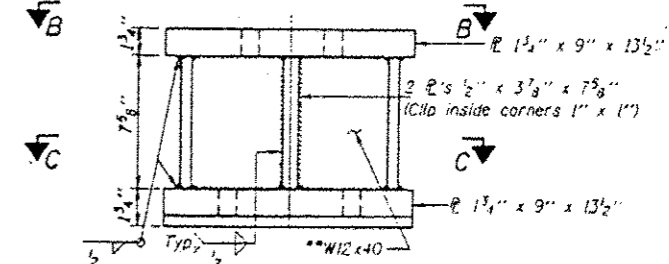
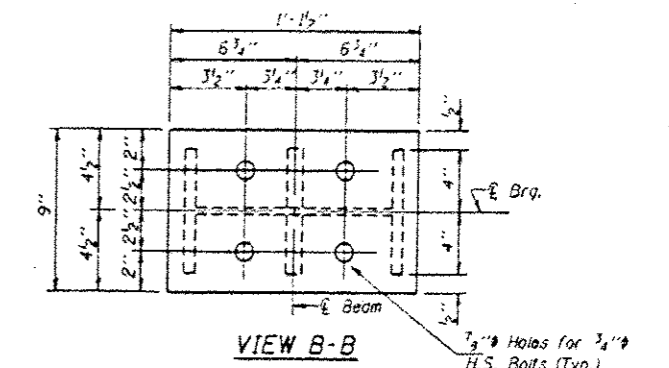
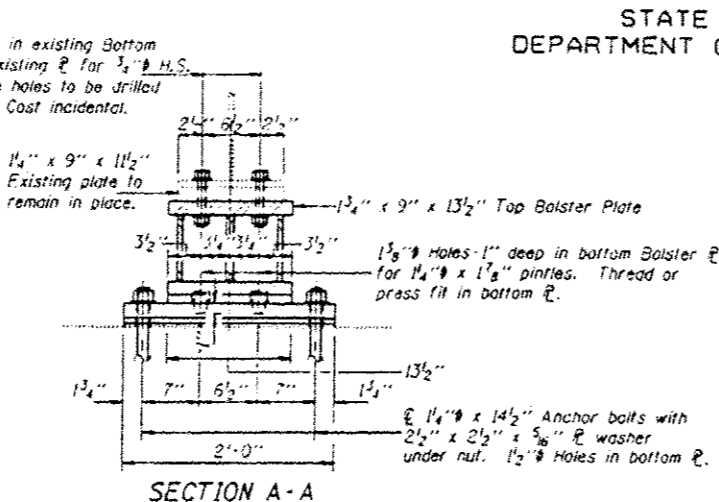
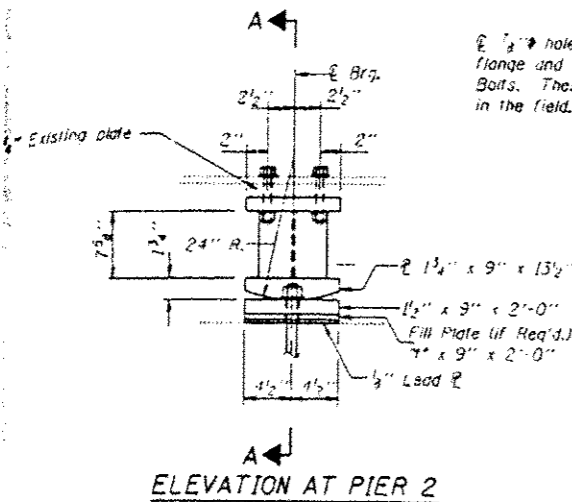


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

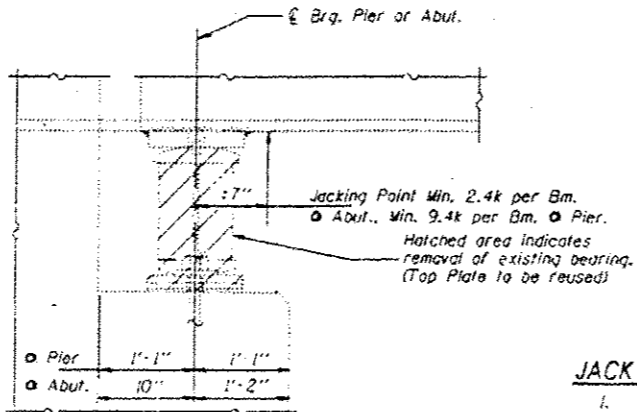
PROJECT NO.	DATE	BY	CHK	REV	SHEET NO. 14
F.A.I. 57	*	FRANKLIN	122	107	23 SHEETS
* 28CINB-2, 3HB-1, 5HB-1) D					



FIXED BEARING

EXISTING SEAT ELEVATIONS

Location	W. Abut.	Pier #1	Pier #2	Pier #3	E. Abut.
Beam #1	397.93	397.47	397.04	396.55	396.35
Beam #2	397.80	397.34	396.91	396.42	396.22
Beam #3	397.68	397.22	396.79	396.30	396.10
Beam #4	397.55	397.09	396.66	396.17	395.97
Beam #5	397.40	396.94	396.51	396.02	395.82
Beam #6	397.28	396.82	396.39	395.90	395.70
Beam #7	397.15	396.69	396.26	395.77	395.57
Beam #8	397.03	396.57	396.14	395.65	395.45
Beam #9	396.97	396.51	396.08	395.59	395.39
Beam #10	396.84	396.38	395.95	395.46	395.26
Beam #11	396.72	396.26	395.83	395.34	395.14
Beam #12	396.57	396.11	395.68	395.19	394.99
Beam #13	396.45	395.99	395.56	395.07	394.87

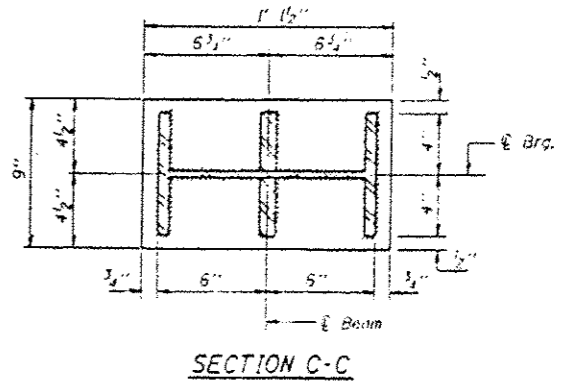
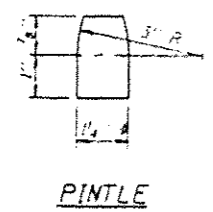


JACK AND REMOVE EXISTING BEARING PROCEDURE

- The Contractor shall submit for approval by the Engineer, plans for jacking prior to commencing any work at the bearings. Min. jack capacity = 2.4K at each beam at abutments and 9.4K at each beam at Piers without concrete deck. Jack Capacity = 10 Tons.
- Jacking and removing existing bearings shall be done after deck removal is completed and before the new deck is poured.
- Jacking shall be limited to a maximum of 1/4" lift.
- The existing anchor bolts shall be removed by cutting off flush and grind smooth with the bridge seat. The rockers and bottom plates at piers shall be removed leaving the existing top plate intact. The existing holes shall be filled with concrete and new holes drilled at locations specified. The bottom flange area of the beam and existing top plate shall be cleaned and painted as required and as specified for structural steel prior to placing the new bearings.
- The new Elastomeric bearings and steel extensions shall be placed and the jacks shall be lowered before the new deck is poured.

JACK AND REMOVE EXISTING BEARINGS

Notes:
(Dimensions are at R.I. U.S.)
The maximum dead load reaction with the deck removed per bearing at each abutment is 2.4 kips and at each Pier is 9.4 kips. Bearing removal and replacement shall be completed before new deck is poured.
For anchor bolt installation details see sheet #15 of 23. Existing anchor bolts which are not under side retainer shall be covered with a 2" thick layer of cement mortar. Cost incidental to "Jack and Remove Existing Bearing."
For anchor bolt Location see Sheets #16 and #17 of 23.



BILL OF MATERIAL

Item	Unit	Total
Jack and Remove Existing Bearings	Each	13

FOR INFORMATION ONLY

PIER 2 BEARING DETAILS
F.A.I. RT. 57 SEC. (28-5HB-1) D
FRANKLIN COUNTY
STATION 157+85.75

DESIGNED: *Michael J. G... June 13, 1994*
CHECKED: *Steve...*
DRAWN: *Shawn Summer*
EXAMINED: *...*
PASSED: *...*

Dimension Location	Dim. #1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	Bm. #13
* Dim. "	0	3	0	0	2	6	3	6	1	7	6	6	6

* Based on the existing seat elevations shown in table on this sheet. The Contractor shall verify these thicknesses and make adjustments if necessary. Cost incidental.