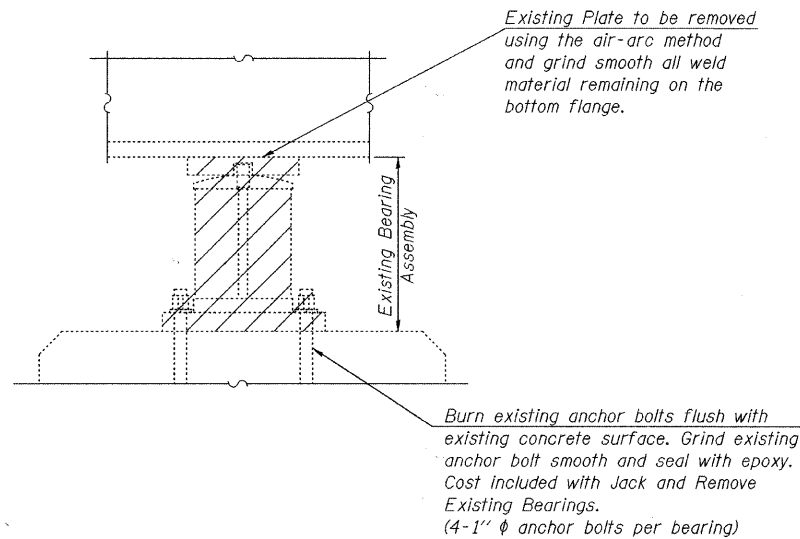
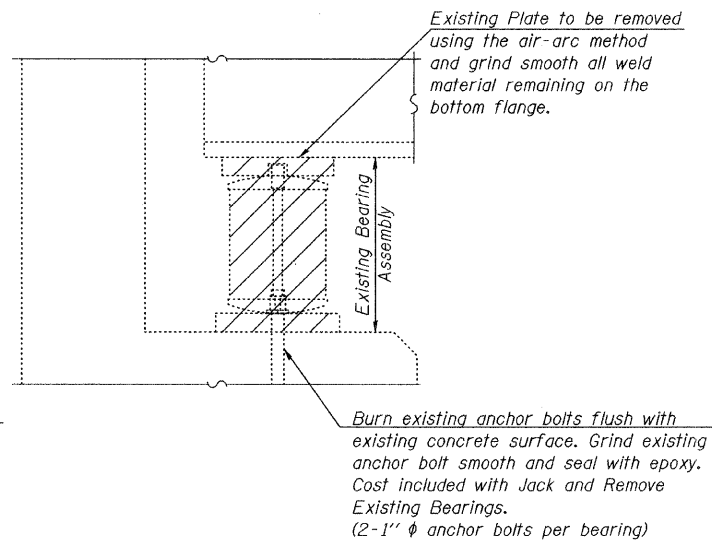


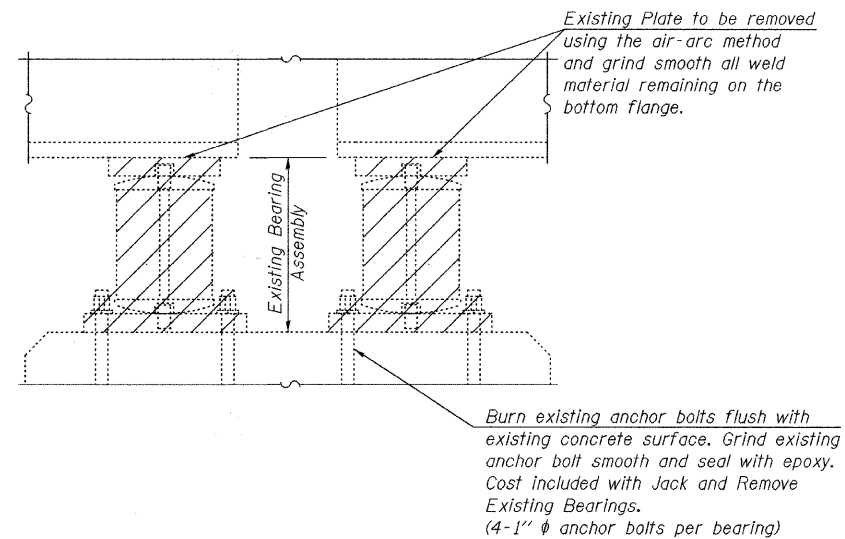
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



AT PIERS 2 AND 4
(10 bearings total)



AT ABUTMENTS
(10 bearings total)



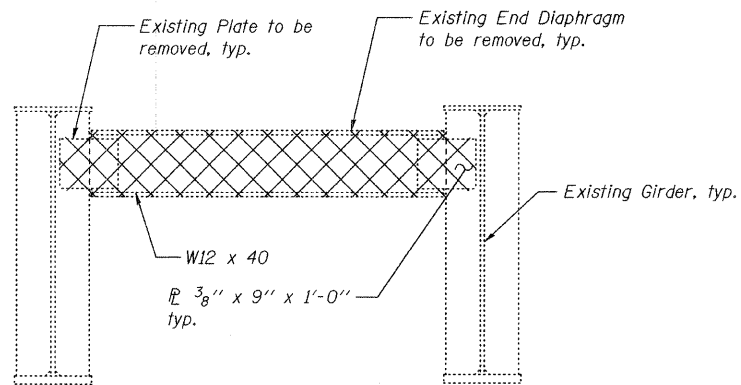
AT PIER 3
(10 bearings total)

EXISTING BEARINGS REMOVAL DETAILS
(Abutments and Piers 2, 3 & 4)

EXISTING BEAM REACTION TABLE (PER BEARING)

	N. Abut. S. Abut.	Piers 2 & 4	Pier 3*
RR kips (Beam Only)	7.0	31.0	7.0
RR kips (Total)	42.0	153.0	42.0

* Two bearings per beam line.



REMOVAL OF EXISTING END DIAPHRAGMS
(At Abutments and Pier 3 - 16 total)

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Jack and Remove Existing Bearings	Each	30
Structural Steel Removal	Pound	3790

- indicates bearing removal
- indicates diaphragm removal

NOTES:

1. For Jacking and Cribbing see special provision for "Jack and Remove Existing Bearings."
2. Jacking and cribbing for beams at Pier 3 shall be performed such that they can remain supported while the specified pier cap modifications are performed. Cost included with Jack and Remove Existing Bearings.
3. Jacking and cribbing for beams at Abutments shall be performed such that they can remain supported while the specified structural repairs are performed. Cost included with Jack and Remove Existing Bearings.
4. See existing plan information for additional information.
5. Jacking shall not commence until the deck has been removed entirely. The minimum jack capacity for lifting the beams, at each bearing location, shall be 14 kips at the abutments and Pier 3 and 62 kips at Piers 2 and 4.

MISCELLANEOUS REMOVAL
STRUCTURE NO. 099-3298

DESIGNED -	JLS
CHECKED -	MRB
DRAWN -	VH/MB
CHECKED -	KWS

benesch

alfred benesch & company
Engineers - Surveyors - Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 3808.02

SHEET NO. S5	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S47 SHEETS	341	04-00090-07-BR	WILL	57	13
			CONTRACT NO. 63442		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		