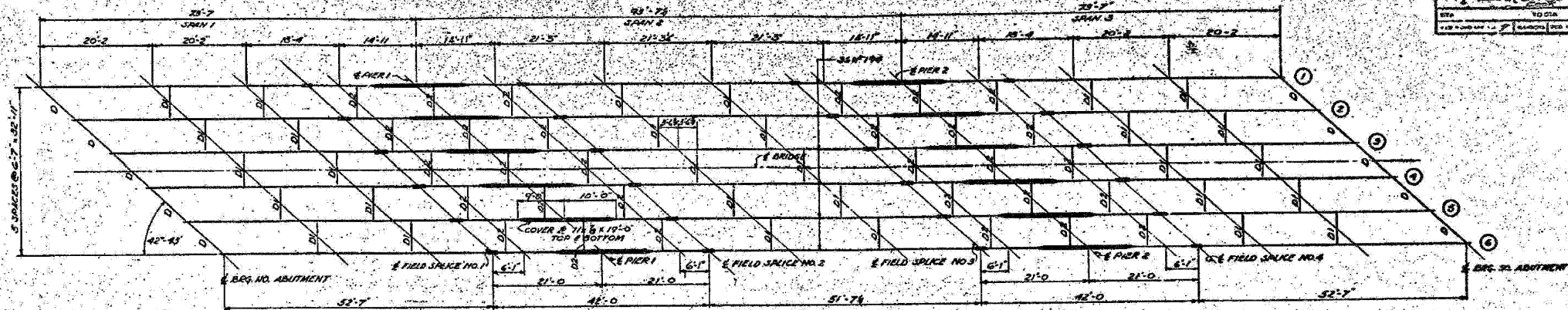


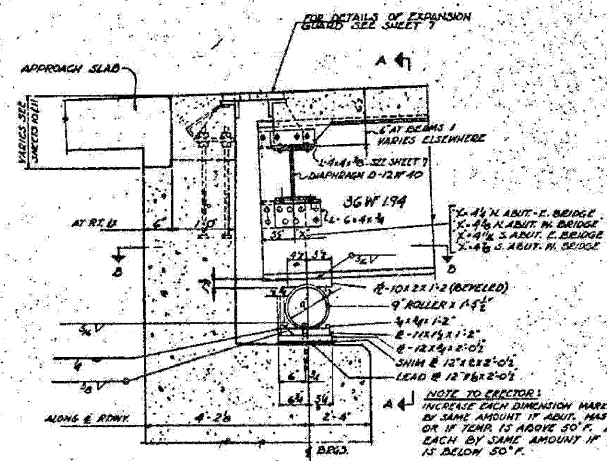
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



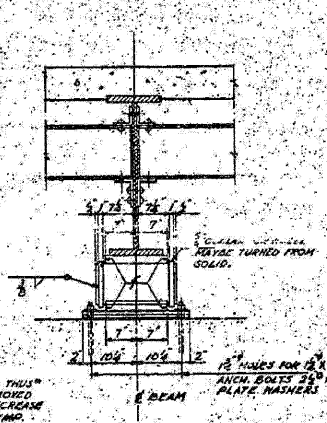
PLAN OF STRUCTURAL STEEL

SCALE: 1/8" = 1'-0"

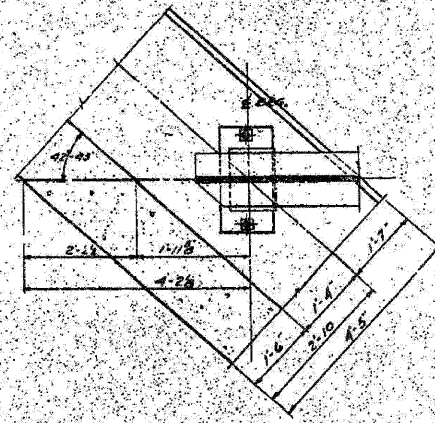
NOTE:  
DIAPHRAGMS D-1-C=1'-40"  
DIAPHRAGMS D1&D2=16"X36"



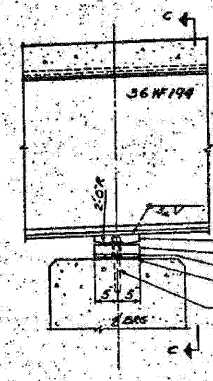
SECTION AT ABUTMENT  
SCALE: 3/8" = 1'-0"



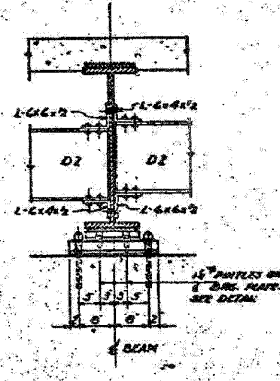
SECTION A-A



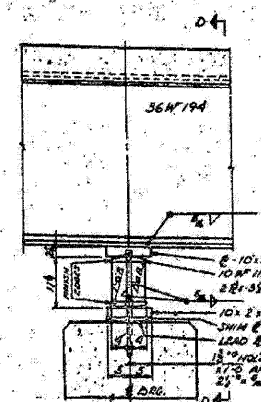
SECTION B-B



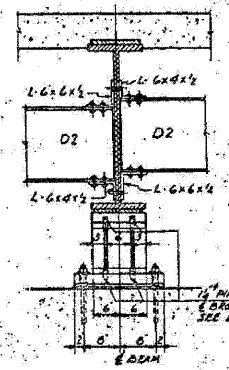
SECTION AT PIER 1



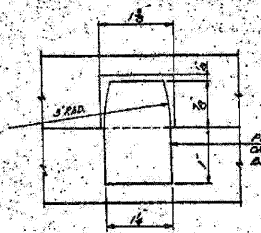
SECTION C-C



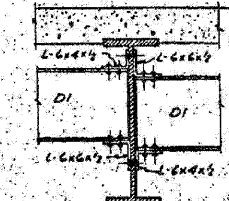
SECTION AT PIER 2



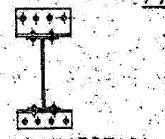
SECTION D-D



PINTLE DETAIL



TYP. ELEVATION OF DIAPHRAGM D1



TYP. CONNECTION FOR DIAPH. D1&D2

BEAM ELEVATIONS  
ELEVATIONS ARE GIVEN TO TOPS OF BEAMS

LOCATION	1	2	3	4	5	6
BEAM NORTH ABUT.	700.950	701.219	701.501	701.501	701.640	701.646
FIELD SPICE NO.1	701.956	702.214	702.412	702.531	702.571	702.552
PIER 1	702.302	702.552	702.741	702.851	702.882	702.999
FIELD SPICE NO.2	702.649	702.890	703.070	703.171	703.193	703.196
FIELD SPICE NO.3	703.357	703.575	703.733	703.812	703.818	703.753
PIER 2	703.586	703.795	703.944	704.014	704.006	703.937
FIELD SPICE NO.4	703.815	704.015	704.155	704.217	704.199	704.127
BEAM SOUTH ABUT.	704.239	704.417	704.533	704.519	704.533	704.432
BEAM NORTH ABUT.	702.244	702.492	702.657	702.798	702.832	702.805
FIELD SPICE NO.1	703.044	703.272	703.441	703.530	703.541	703.497
PIER 1	703.304	703.523	703.682	703.763	703.764	703.706
FIELD SPICE NO.2	703.543	703.774	703.924	703.996	703.983	703.921
FIELD SPICE NO.3	704.036	704.245	704.373	704.422	704.393	704.363
PIER 2	704.198	704.379	704.496	704.531	704.496	704.400
FIELD SPICE NO.4	704.339	704.510	704.620	704.652	704.601	704.497
BEAM SOUTH ABUT.	704.545	704.693	704.761	704.790	704.720	704.590

ALFRED BENESCH & ASSOCIATES CONSULTING ENGINEERS  
30 EAST ADAMS STREET CHICAGO-ILLINOIS 3204-5

E DIMENSIONS

BEAM NO.	1	2	3	4	5	6
NORTH ABUT.	-	-	-	-	-	-
PIER 1	-	-	5'	-	-	-
PIER 2	-	-	7'	-	-	-
SOUTH ABUT.	-	-	-	-	-	-
NORTH ABUT.	-	-	-	-	5'	-
PIER 1	-	-	-	-	5'	-
PIER 2	-	-	-	-	5'	-
SOUTH ABUT.	-	-	-	-	-	5'

NOTE:  
TOTAL ESTIMATED WEIGHT OF BEAMS AND ANCHOR BOLTS FOR 2 BRIDGES = 59,750 LBS.

STRUCTURAL STEEL PLAN & SECTIONS  
GRADE SEPARATION  
CONGRESS STREET EXPRESSWAY  
LAKE STREET CONNECTION  
OVER C&N.W. RAILWAY  
F.A.I.R.T.E. SECTION 100VB-2  
STATION 65+66.05

FOR INFORMATION ONLY

benesch

alfred benesch & company  
Engineers - Surveyors - Planners  
205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-965-0450 Job No. 10050

SHEET NO. 10	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	290	2009-099 BR	COOK/DUPAGE	309	190
10 SHEETS	CONTRACT NO. 60157				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

EXISTING STEEL DETAILS  
STRUCTURE NO. 016-1131

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