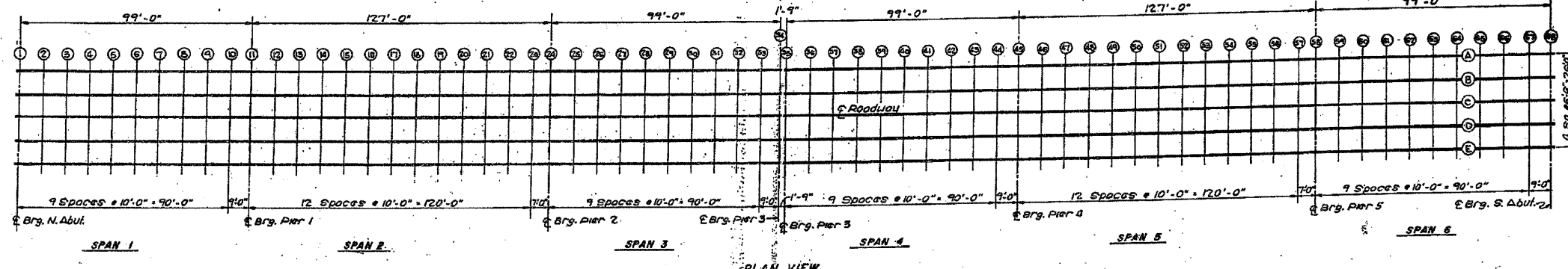


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

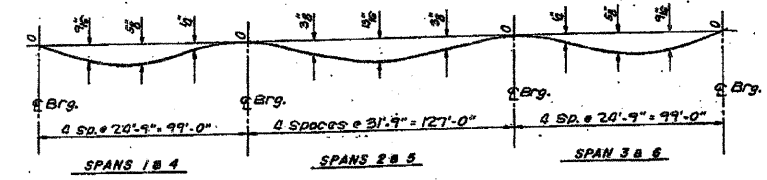
SECTION 82B-2-MFT ROUTE No. C.H. 42 SHEET 15 OF 25
COUNTY Will ROAD DISTRICT



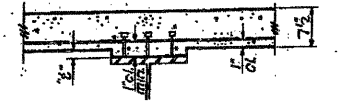
THEORETICAL TOP OF SLAB ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTIONS

SPANS 1, 2 & 3				
LOC.	STATION	BEAMS A & E	BEAMS B & D	BEAM C
1	13139.12	521.346	521.047	521.549
2	13149.12	521.249	521.350	521.366
3	13159.12	521.162	521.263	521.366
4	13169.12	521.080	521.180	521.287
5	13179.12	521.012	521.113	521.215
6	13189.12	520.940	521.048	521.149
7	13199.12	520.888	520.990	521.091
8	14109.12	520.842	520.943	521.045
9	14119.12	520.811	520.912	521.013
10	14129.12	520.779	520.900	521.002
11	14138.12	520.777	520.898	521.000
12	14148.12	520.800	520.902	521.004
13	14158.12	520.812	520.913	521.015
14	14168.12	520.827	520.929	521.031
15	14178.12	520.843	520.945	521.047
16	14188.12	520.858	520.958	521.060
17	14198.12	520.862	520.960	521.066
18	15108.12	520.861	520.963	521.065
19	15118.12	520.853	520.954	521.056
20	15128.12	520.838	520.940	521.042
21	15138.12	520.822	520.924	521.025
22	15148.12	520.807	520.909	521.011
23	15158.12	520.798	520.900	521.002
24	15165.12	520.796	520.898	521.000
25	15175.12	520.799	520.901	521.003
26	15185.12	520.809	520.911	521.013
27	15195.12	520.824	520.926	521.028
28	16105.12	520.840	520.941	521.043
29	16115.12	520.851	520.953	521.058
30	16125.12	520.855	520.957	521.058
31	16135.12	520.850	520.952	521.054
32	16145.12	520.838	520.939	521.041
33	16155.12	520.818	520.920	521.021
34	16164.12	520.796	520.898	521.000

SPANS 4, 5 & 6				
LOC.	STATION	BEAMS A & E	BEAMS B & D	BEAM C
35	16165.87	520.797	520.898	521.000
36	16175.87	520.820	520.922	521.023
37	16185.87	520.850	520.941	521.043
38	16195.87	520.852	520.953	521.055
39	17105.87	520.853	520.957	521.058
40	17115.87	520.850	520.952	521.053
41	17125.87	520.838	520.940	521.042
42	17135.87	520.823	520.924	521.026
43	17145.87	520.808	520.910	521.011
44	17155.87	520.799	520.900	521.002
45	17164.87	520.796	520.898	521.000
46	17174.87	520.800	520.902	521.004
47	17184.87	520.812	520.913	521.015
48	17194.87	520.827	520.929	521.031
49	18104.87	520.843	520.945	521.047
50	18114.87	520.858	520.958	521.060
51	18124.87	520.862	520.960	521.066
52	18134.87	520.861	520.963	521.065
53	18144.87	520.853	520.954	521.056
54	18154.87	520.838	520.940	521.042
55	18164.87	520.822	520.924	521.025
56	18174.87	520.807	520.909	521.011
57	18184.87	520.798	520.900	521.002
58	18194.87	520.796	520.898	521.000
59	19104.87	520.799	520.901	521.003
60	19114.87	520.809	520.911	521.013
61	19124.87	520.824	520.926	521.028
62	19134.87	520.840	520.941	521.043
63	19144.87	520.851	520.953	521.058
64	19154.87	520.855	520.957	521.058
65	19164.87	520.850	520.952	521.054
66	19174.87	520.838	520.939	521.041
67	19184.87	520.818	520.920	521.021
68	19194.87	520.796	520.898	521.000



DEAD LOAD DEFLECTION DIAGRAM
Height of Structural Steel not included.
Diagram for reference only. Do not use for construction.



METHOD OF DETERMINING FILLET HEIGHT

After all Structural Steel has been erected, elevations of the top flanges of the beams shall be taken at the locations shown above. These elevations shall be taken from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown at left. Fillet height is above top flange of beams.

TOP OF SLAB ELEVATIONS				
BRANDON ROAD BRIDGE OVER DES PLAINES RIVER				
SEC. 82B-2-MFT C.H. NO. 42 WILL COUNTY				
Designed	Drawn	Checked	Approved	Revised
JLS	MRB	VH	MRB	

DESIGNED	JLS
CHECKED	MRB
DRAWN	VH
CHECKED	MRB

FOR INFORMATION ONLY

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. S42	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	341	04-00090-07-BR	WILL	57	50
S47 SHEETS	CONTRACT NO. 63442				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

EXISTING PLAN INFORMATION
STRUCTURE NO. 099-3298

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