

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2578	532B-1	DUPAGE	117	49
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

BEAM #1

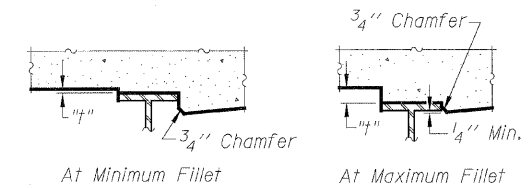
Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevation Adjusted For Dead Load Deflections
Bk. S. Abut.	166+12.81	-39.67	693.26	693.26
☉ Brg. S. Abut.	166+14.07	-39.67	693.27	693.27
A	166+24.07	-39.67	693.30	693.36
B	166+34.07	-39.67	693.32	693.43
C	166+44.07	-39.67	693.33	693.45
D	166+54.07	-39.67	693.33	693.42
E	166+64.07	-39.67	693.32	693.36
☉ Brg. N. Abut.	166+69.07	-39.67	693.31	693.31
Bk. N. Abut.	166+70.33	-39.67	693.31	693.31

WEST GUTTER LINE

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevation Adjusted For Dead Load Deflections
Bk. S. Abut.	166+13.49	-34.50	693.37	693.37
☉ Brg. S. Abut.	166+14.75	-34.50	693.37	693.37
A	166+24.75	-34.50	693.40	693.46
B	166+34.75	-34.50	693.42	693.52
C	166+44.75	-34.50	693.43	693.54
D	166+54.75	-34.50	693.43	693.52
E	166+64.75	-34.50	693.42	693.46
☉ Brg. N. Abut.	166+69.75	-34.50	693.42	693.42
Bk. N. Abut.	166+71.01	-34.50	693.41	693.41

BEAM #2

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevation Adjusted For Dead Load Deflections
Bk. S. Abut.	166+13.87	-31.58	693.43	693.43
☉ Brg. S. Abut.	166+15.13	-31.58	693.43	693.43
A	166+25.13	-31.58	693.46	693.52
B	166+35.13	-31.58	693.48	693.58
C	166+45.13	-31.58	693.49	693.60
D	166+55.13	-31.58	693.49	693.58
E	166+65.13	-31.58	693.48	693.51
☉ Brg. N. Abut.	166+70.13	-31.58	693.47	693.47
Bk. N. Abut.	166+71.39	-31.58	693.47	693.47



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown below, minus slab thickness, equals the fillet heights "t" above top flange of beams.

BEAM #3

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevation Adjusted For Dead Load Deflections
Bk. S. Abut.	166+14.94	-23.50	693.59	693.59
☉ Brg. S. Abut.	166+16.20	-23.50	693.60	693.60
A	166+26.20	-23.50	693.63	693.69
B	166+36.20	-23.50	693.65	693.75
C	166+46.20	-23.50	693.65	693.76
D	166+56.20	-23.50	693.65	693.74
E	166+66.20	-23.50	693.64	693.67
☉ Brg. N. Abut.	166+71.20	-23.50	693.63	693.63
Bk. N. Abut.	166+72.46	-23.50	693.63	693.63

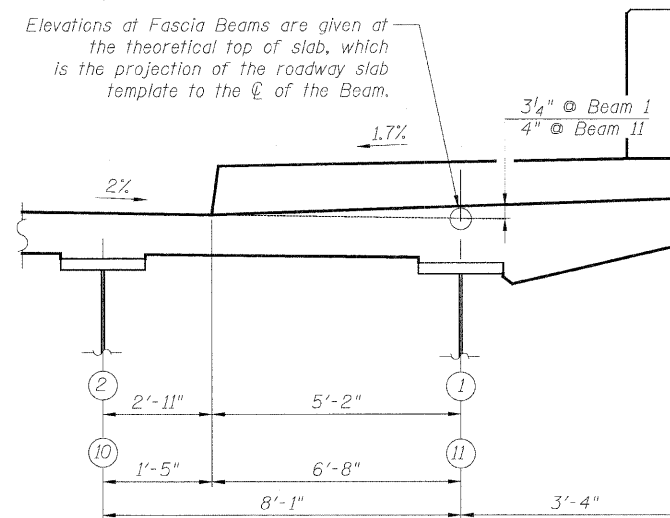
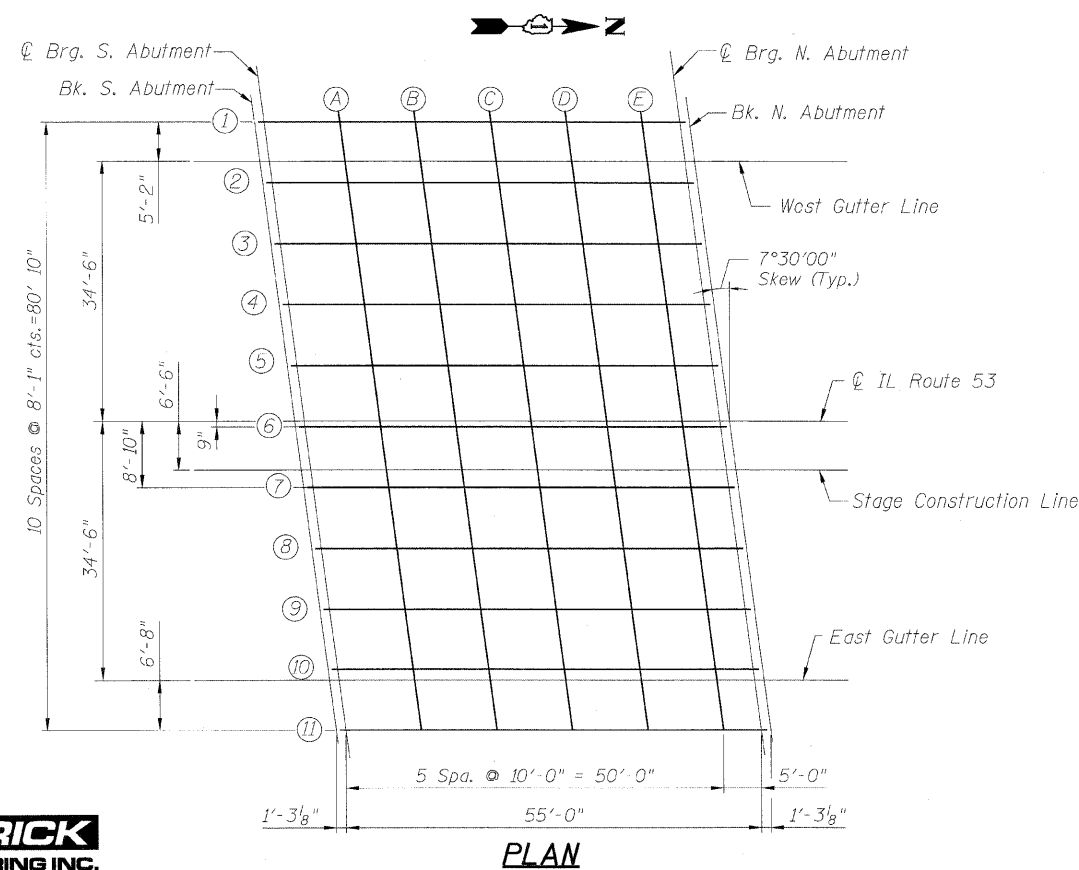
BEAM #4

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevation Adjusted For Dead Load Deflections
Bk. S. Abut.	166+16.00	-15.42	693.76	693.76
☉ Brg. S. Abut.	166+17.26	-15.42	693.76	693.76
A	166+27.26	-15.42	693.79	693.85
B	166+37.26	-15.42	693.81	693.91
C	166+47.26	-15.42	693.82	693.93
D	166+57.26	-15.42	693.81	693.90
E	166+67.26	-15.42	693.80	693.83
☉ Brg. N. Abut.	166+72.26	-15.42	693.79	693.79
Bk. N. Abut.	166+73.52	-15.42	693.79	693.79

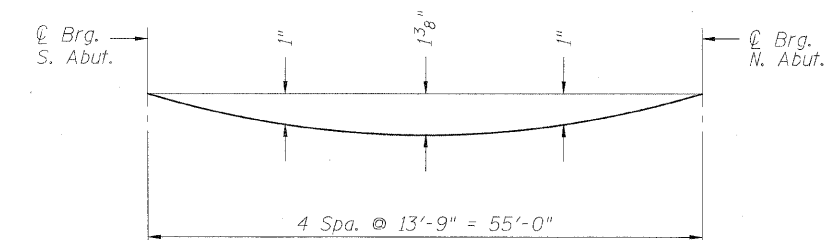
BEAM #5

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevation Adjusted For Dead Load Deflections
Bk. S. Abut.	166+17.06	-7.33	693.92	693.92
☉ Brg. S. Abut.	166+18.32	-7.33	693.93	693.93
A	166+28.32	-7.33	693.95	694.02
B	166+38.32	-7.33	693.97	694.07
C	166+48.32	-7.33	693.98	694.09
D	166+58.32	-7.33	693.97	694.06
E	166+68.32	-7.33	693.96	693.99
☉ Brg. N. Abut.	166+73.32	-7.33	693.95	693.95
Bk. N. Abut.	166+74.59	-7.33	693.95	693.95

FILLET HEIGHTS



LOCATION OF ELEVATIONS AT FASCIA BEAM



DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)
Note: The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown above.

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TOP OF SLAB ELEVATIONS I
ILLINOIS ROUTE 53 OVER
SPRING BROOK CREEK
FAU 2578 SECTION 532B-1
STRUCTURE NO. 022-0189
DUPAGE COUNTY STATION 166+46.79
SCALE: NONE DRAWN BY: E. MROCEK
DATE: 6/12/09 CHECKED BY: A. YARGICOLLU