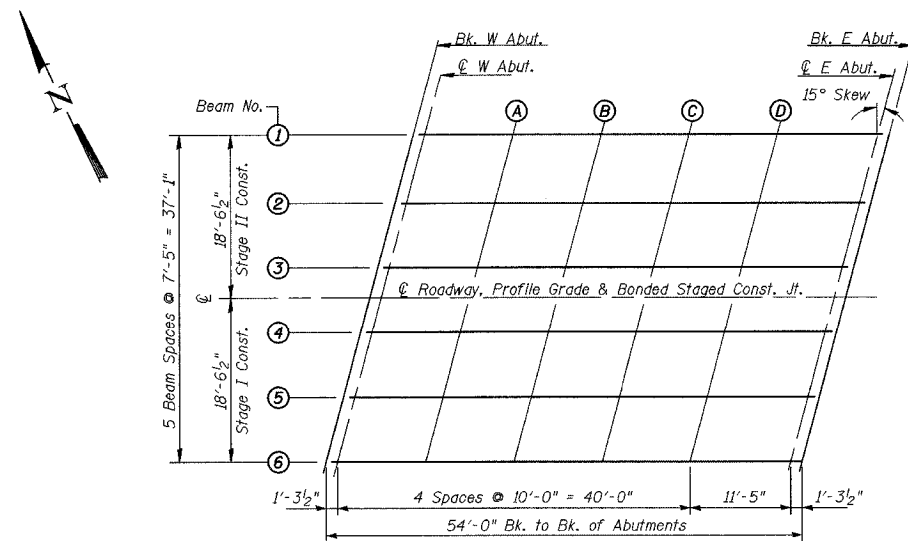
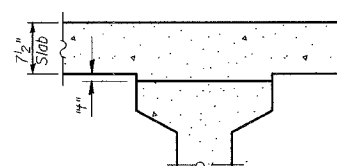


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	6B-1	EFFINGHAM	409	374
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 94356				

SHEET NO. 4
SHEETS 12

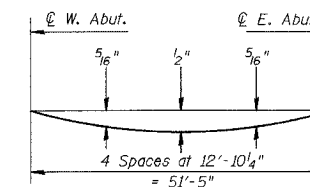


PLAN



To determine "t": After all precast prestressed beams have 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 Deflections" minus slab thickness, equals the fillet heights "t" above flanges of beams.

FILLET HEIGHTS



DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete, excluding beams)

Note: The above deflections are not for use in the field if the Engineer is working from the Theoretical Grade Elevations Adjusted for Dead Load Deflections as shown below.

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflections
Bk. W. Abut.	531+57.97	18.54' Lt.	581.07	581.07
☉ W. Abut.	531+59.26	18.54' Lt.	581.07	581.07
A	531+69.26	18.54' Lt.	581.07	581.09
B	531+79.26	18.54' Lt.	581.07	581.10
C	531+89.26	18.54' Lt.	581.07	581.10
D	531+99.26	18.54' Lt.	581.07	581.09
☉ E. Abut.	532+10.68	18.54' Lt.	581.07	581.07
Bk. E. Abut.	532+11.97	18.54' Lt.	581.07	581.07

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflections
Bk. W. Abut.	531+55.98	11.13' Lt.	581.22	581.22
☉ W. Abut.	531+57.27	11.13' Lt.	581.22	581.22
A	531+67.27	11.13' Lt.	581.22	581.24
B	531+77.27	11.13' Lt.	581.22	581.25
C	531+87.27	11.13' Lt.	581.22	581.25
D	531+97.27	11.13' Lt.	581.22	581.24
☉ E. Abut.	532+08.69	11.13' Lt.	581.22	581.22
Bk. E. Abut.	532+09.98	11.13' Lt.	581.22	581.22

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflections
Bk. W. Abut.	531+53.99	3.71' Lt.	581.33	581.33
☉ W. Abut.	531+55.28	3.71' Lt.	581.33	581.33
A	531+65.28	3.71' Lt.	581.33	581.36
B	531+75.28	3.71' Lt.	581.33	581.37
C	531+85.28	3.71' Lt.	581.33	581.37
D	531+95.28	3.71' Lt.	581.33	581.36
☉ E. Abut.	532+06.70	3.71' Lt.	581.33	581.33
Bk. E. Abut.	532+07.99	3.71' Lt.	581.33	581.33

☉ ROADWAY, PROFILE GRADE & STAGED CONST. JT.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflections
Bk. W. Abut.	531+53.00	0.00	581.39	581.39
☉ W. Abut.	531+54.29	0.00	581.39	581.39
A	531+64.29	0.00	581.39	581.41
B	531+74.29	0.00	581.39	581.43
C	531+84.29	0.00	581.39	581.43
D	531+94.29	0.00	581.39	581.42
☉ E. Abut.	532+05.71	0.00	581.39	581.39
Bk. E. Abut.	532+07.00	0.00	581.39	581.39

BEAM 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflections
Bk. W. Abut.	531+52.01	3.71' Rt.	581.33	581.33
☉ W. Abut.	531+53.30	3.71' Rt.	581.33	581.33
A	531+63.30	3.71' Rt.	581.33	581.36
B	531+73.30	3.71' Rt.	581.33	581.37
C	531+83.30	3.71' Rt.	581.33	581.37
D	531+93.30	3.71' Rt.	581.33	581.36
☉ E. Abut.	532+04.72	3.71' Rt.	581.33	581.33
Bk. E. Abut.	532+06.01	3.71' Rt.	581.33	581.33

BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflections
Bk. W. Abut.	531+50.02	11.13' Rt.	581.22	581.22
☉ W. Abut.	531+51.31	11.13' Rt.	581.22	581.22
A	531+61.31	11.13' Rt.	581.22	581.24
B	531+71.31	11.13' Rt.	581.22	581.25
C	531+81.31	11.13' Rt.	581.22	581.25
D	531+91.31	11.13' Rt.	581.22	581.24
☉ E. Abut.	532+02.73	11.13' Rt.	581.22	581.22
Bk. E. Abut.	532+04.02	11.13' Rt.	581.22	581.22

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflections
Bk. W. Abut.	531+48.03	18.54' Rt.	581.07	581.07
☉ W. Abut.	531+49.32	18.54' Rt.	581.07	581.07
A	531+59.32	18.54' Rt.	581.07	581.09
B	531+69.32	18.54' Rt.	581.07	581.10
C	531+79.32	18.54' Rt.	581.07	581.10
D	531+89.32	18.54' Rt.	581.07	581.09
☉ E. Abut.	532+00.74	18.54' Rt.	581.07	581.07
Bk. E. Abut.	532+02.03	18.54' Rt.	581.07	581.07

ILLINOIS DEPARTMENT OF TRANSPORTATION
TOP OF SLAB ELEVATION
ILLINOIS ROUTE 33 OVER
BISHOP CREEK
F.A.P. RTE. 95
SECTION 6B-1
EFFINGHAM COUNTY
Sta. 531+80
STRUCTURE NUMBER 025-0097

DATE: APR. 2002
DRAWN BY: BDM
CHECKED BY: SJR