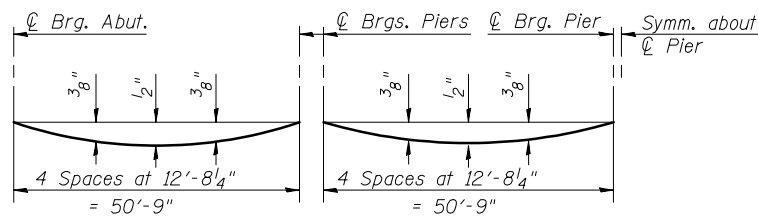


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

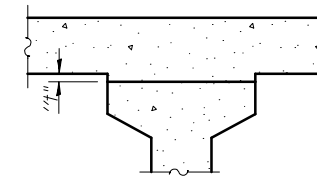


**DEAD LOAD DEFLECTION DIAGRAM**

(Includes weight of concrete, excluding beams).

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 below.



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" shown below, minus slab thickness, equals the fillet heights "t" above top flanges of beams.

**FILLET HEIGHTS**

**BEAM 1**

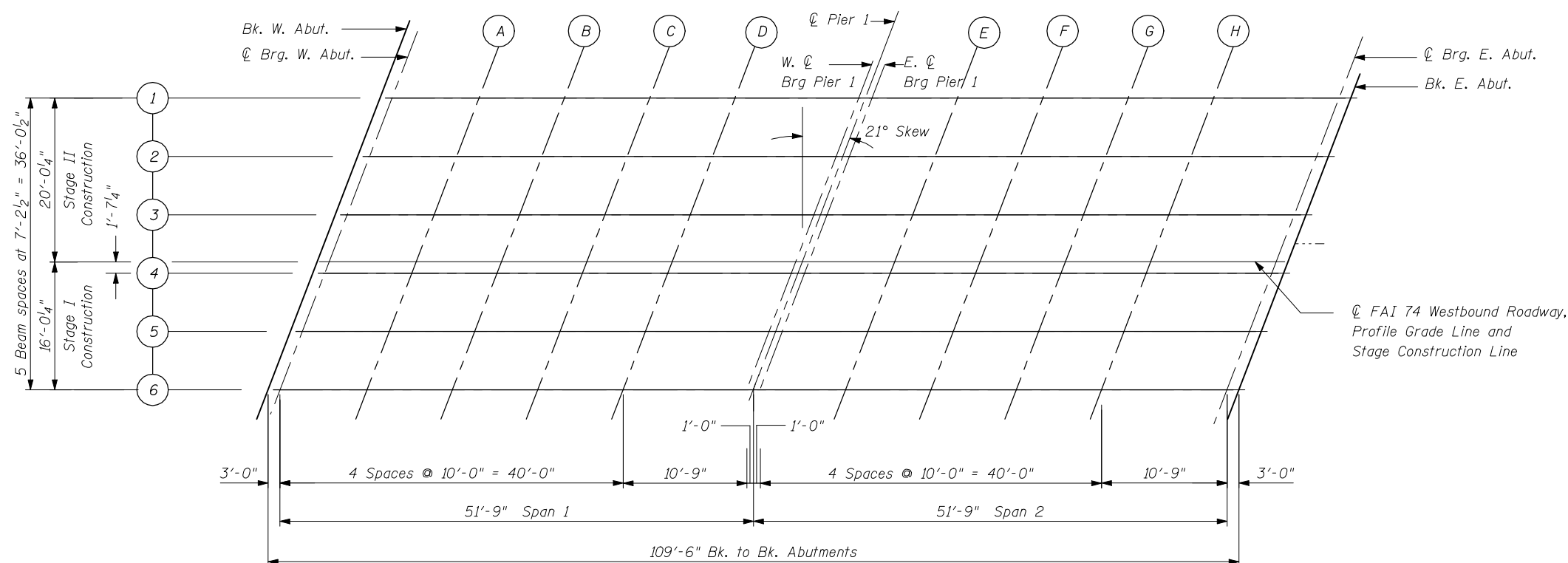
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection and Grinding
Back of West Abut.	1126+83.89	-20.02	772.62	772.64
☉ Brg. West Abut.	1126+86.89	-20.02	772.64	772.66
A	1126+96.89	-20.02	772.72	772.79
B	1127+06.89	-20.02	772.80	772.90
C	1127+16.89	-20.02	772.87	772.98
D	1127+26.89	-20.02	772.95	773.03
W. ☉ Brg. Pier	1127+37.64	-20.02	773.03	773.05
☉ Pier	1127+38.64	-20.02	773.04	773.06
E. ☉ Brg. Pier	1127+39.64	-20.02	773.05	773.07
E	1127+49.64	-20.02	773.12	773.20
F	1127+59.64	-20.02	773.20	773.30
G	1127+69.64	-20.02	773.28	773.38
H	1127+79.64	-20.02	773.36	773.43
☉ Brg. East Abut.	1127+90.39	-20.02	773.44	773.46
Back of East Abut.	1127+93.39	-20.02	773.46	773.48

**BEAM 2**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection and Grinding
Back of West Abut.	1126+81.13	-12.81	772.75	772.77
☉ Brg. West Abut.	1126+84.13	-12.81	772.77	772.79
A	1126+94.13	-12.81	772.85	772.92
B	1127+04.13	-12.81	772.93	773.03
C	1127+14.13	-12.81	773.00	773.11
D	1127+24.13	-12.81	773.08	773.16
W. ☉ Brg. Pier	1127+34.88	-12.81	773.16	773.18
☉ Pier	1127+35.88	-12.81	773.17	773.19
E. ☉ Brg. Pier	1127+36.88	-12.81	773.18	773.20
E	1127+46.88	-12.81	773.25	773.32
F	1127+56.88	-12.81	773.33	773.43
G	1127+66.88	-12.81	773.41	773.57
H	1127+76.88	-12.81	773.48	773.56
☉ Brg. East Abut.	1127+87.63	-12.81	773.57	773.59
Back of East Abut.	1127+90.63	-12.81	773.59	773.61

**BEAM 3**

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection and Grinding
Back of West Abut.	1126+78.36	-5.60	772.84	772.86
☉ Brg. West Abut.	1126+81.36	-5.60	772.87	772.89
A	1126+91.36	-5.60	772.94	773.02
B	1127+01.36	-5.60	773.02	773.12
C	1127+11.36	-5.60	773.10	773.20
D	1127+21.36	-5.60	773.17	773.25
W. ☉ Brg. Pier	1127+32.11	-5.60	773.26	773.28
☉ Pier	1127+33.11	-5.60	773.26	773.28
E. ☉ Brg. Pier	1127+34.11	-5.60	773.27	773.29
E	1127+44.11	-5.60	773.35	773.42
F	1127+54.11	-5.60	773.43	773.53
G	1127+64.11	-5.60	773.50	773.61
H	1127+74.11	-5.60	773.58	773.66
☉ Brg. East Abut.	1127+84.86	-5.60	773.66	773.68
Back of East Abut.	1127+87.86	-5.60	773.69	773.71



Note: Work this Sheet with Sheet 4 of 26

**TOP OF SLAB ELEVATIONS  
STRUCTURE NO. 057-0129**

SHEET NO. 3 26 SHEETS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	74	(57-22B-1)BR	Mc LEAN	46	13
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT		
CONTRACT NO. 70721					

THE UPCHURCH GROUP, INC.