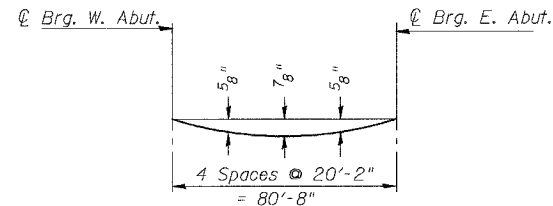


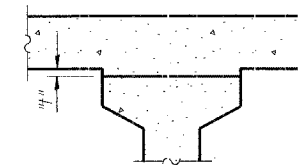
FAS RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
732	*	MACOUPIN	15	5
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				
*02-00083-00-BR				



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 "h": 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 "h" above top flanges of beams.

FILLET HEIGHTS

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut	947.053	-15.625	630.463	630.463
CL Brg. W. Abut	948.303	-15.625	630.419	630.419
A	958.303	-15.625	630.078	630.107
B	968.303	-15.625	629.760	629.813
C	978.303	-15.625	629.465	629.532
D	988.303	-15.625	629.191	629.264
E	998.303	-15.625	628.939	629.008
F	1008.303	-15.625	628.710	628.764
G	1018.303	-15.625	628.503	628.533
CL Brg. E. Abut	1028.970	-15.625	628.306	628.306
Bk. E. Abut	1030.220	-15.625	628.285	628.285

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut	947.600	-9.375	630.537	630.537
CL Brg. W. Abut	948.850	-9.375	630.493	630.493
A	958.850	-9.375	630.154	630.183
B	968.850	-9.375	629.837	629.890
C	978.850	-9.375	629.543	629.611
D	988.850	-9.375	629.270	629.344
E	998.850	-9.375	629.020	629.088
F	1008.850	-9.375	628.792	628.845
G	1018.850	-9.375	628.586	628.616
CL Brg. E. Abut	1029.517	-9.375	628.391	628.391
Bk. E. Abut	1030.767	-9.375	628.369	628.369

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut	948.147	-3.125	630.612	630.612
CL Brg. W. Abut	949.397	-3.125	630.568	630.568
A	959.397	-3.125	630.230	630.259
B	969.397	-3.125	629.915	629.967
C	979.397	-3.125	629.621	629.689
D	989.397	-3.125	629.350	629.423
E	999.397	-3.125	629.101	629.169
F	1009.397	-3.125	628.874	628.927
G	1019.397	-3.125	628.669	628.699
CL Brg. E. Abut	1030.064	-3.125	628.475	628.475
Bk. E. Abut	1031.314	-3.125	628.454	628.454

ROADWAY

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut	948.420	0.000	630.649	630.649
CL Brg. W. Abut	949.670	0.000	630.605	630.605
A	959.670	0.000	630.268	630.297
B	969.670	0.000	629.953	630.005
C	979.670	0.000	629.660	629.728
D	989.670	0.000	629.390	629.463
E	999.670	0.000	629.141	629.210
F	1009.670	0.000	628.915	628.968
G	1019.670	0.000	628.711	628.741
CL Brg. E. Abut	1030.337	0.000	628.517	628.517
Bk. E. Abut	1031.587	0.000	628.496	628.496

BEAM 4

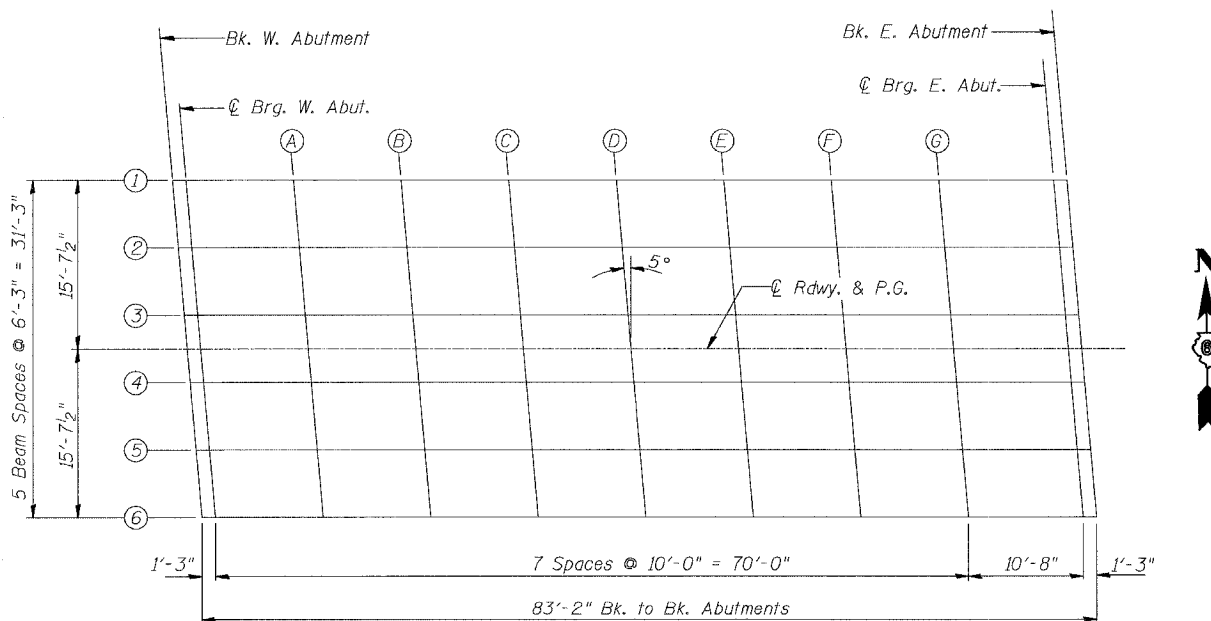
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut	948.693	3.125	630.592	630.592
CL Brg. W. Abut	949.943	3.125	630.549	630.549
A	959.943	3.125	630.212	630.241
B	969.943	3.125	629.898	629.950
C	979.943	3.125	629.606	629.673
D	989.943	3.125	629.336	629.409
E	999.943	3.125	629.088	629.156
F	1009.943	3.125	628.862	628.916
G	1019.943	3.125	628.659	628.689
CL Brg. E. Abut	1030.610	3.125	628.466	628.466
Bk. E. Abut	1031.860	3.125	628.445	628.445

BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut	949.240	9.375	630.480	630.480
CL Brg. W. Abut	950.490	9.375	630.436	630.436
A	960.490	9.375	630.101	630.129
B	970.490	9.375	629.788	629.840
C	980.490	9.375	629.497	629.564
D	990.490	9.375	629.228	629.301
E	1000.490	9.375	628.981	629.050
F	1010.490	9.375	628.757	628.810
G	1020.490	9.375	628.554	628.585
CL Brg. E. Abut	1031.157	9.375	628.363	628.363
Bk. E. Abut	1032.407	9.375	628.342	628.342

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut	949.787	15.625	630.367	630.367
CL Brg. W. Abut	951.037	15.625	630.323	630.323
A	961.037	15.625	629.989	630.018
B	971.037	15.625	629.677	629.730
C	981.037	15.625	629.388	629.455
D	991.037	15.625	629.120	629.193
E	1001.037	15.625	628.875	628.943
F	1011.037	15.625	628.651	628.705
G	1021.037	15.625	628.450	628.480
CL Brg. E. Abut	1031.704	15.625	628.260	628.260
Bk. E. Abut	1032.954	15.625	628.239	628.239



PLAN

SHEET TITLE		PROJECT NO.	
TOP OF SLAB ELEVATIONS		03016	
PROJECT		SCALE	
C.H. 12 OVER SOLOMON CREEK		2/16/04	
FAS ROUTE 732 SEC. 02-00083-00-BR		DATE	
MACOUPIN COUNTY		DRAWN BY	
STATION 9+90.00		TFG	
STRUCTURE NUMBER 059-3465		CHECKED BY	
		MRL/REG/MCB	
DRAWING NO.		5	
COOMBE-BLOXDORF P.C.		Design Firm License No. 184-002703	
Engineers / Land Surveyors		OF 15 SHTS	
Springfield, Illinois			