

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 28	*	**	24	8

PROJECT BRS-1741(103)  
 \* 03-00085-00-BR & 03-00126-00-BR  
 \*\* MACOUPIN COUNTY & MONTGOMERY COUNTY  
 Sheet 4 of 17

BEAM 1

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	10+55.59	19.80	100.684	100.684
☉ W. Abut.	10+56.82	19.63	100.670	100.670
A	10+66.36	18.44	100.575	100.580
B	10+75.95	17.45	100.496	100.501
☉ Pier #1	10+89.14	16.42	100.414	100.414
C	10+98.80	15.91	100.373	100.387
D	11+08.47	15.61	100.349	100.371
E	11+18.15	15.52	100.341	100.363
F	11+27.83	15.63	100.350	100.364
☉ Pier #2	11+37.50	15.94	100.375	100.375
G	11+47.16	16.46	100.417	100.422
H	11+56.79	17.18	100.475	100.479
☉ E. Abut.	11+69.93	18.51	100.580	100.580
Bk. E. Abut.	11+71.17	18.65	100.592	100.592

BEAM 2

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	10+56.35	13.81	100.205	100.205
☉ W. Abut.	10+57.59	13.64	100.192	100.192
A	10+67.26	12.47	100.098	100.103
B	10+76.96	11.50	100.020	100.025
☉ Pier #1	10+90.32	10.50	99.940	99.940
C	11+00.10	10.02	99.902	99.916
D	11+09.89	9.75	99.880	99.902
E	11+19.69	9.69	99.875	99.897
F	11+29.48	9.83	99.886	99.900
☉ Pier #2	11+39.27	10.18	99.914	99.914
G	11+49.04	10.74	99.959	99.964
H	11+58.78	11.50	100.020	100.025
☉ E. Abut.	11+72.07	12.89	100.131	100.131
Bk. E. Abut.	11+73.32	13.04	100.143	100.143

BEAM 3

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	10+57.12	7.82	99.726	99.726
☉ W. Abut.	10+58.39	7.66	99.713	99.713
A	10+68.17	6.50	99.620	99.625
B	10+78.00	5.55	99.544	99.549
☉ Pier #1	10+91.53	4.59	99.467	99.467
C	11+01.43	4.14	99.431	99.445
D	11+11.34	3.89	99.412	99.434
E	11+21.26	3.86	99.409	99.431
F	11+31.17	4.04	99.423	99.437
☉ Pier #2	11+41.08	4.43	99.454	99.454
G	11+50.96	5.03	99.502	99.507
H	11+60.82	5.83	99.567	99.571
☉ E. Abut.	11+74.26	7.28	99.682	99.682
Bk. E. Abut.	11+75.52	7.43	99.695	99.695

BEAM 4 & ☉ STRUCTURE

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	10+57.92	1.84	99.247	99.247
☉ W. Abut.	10+59.20	1.68	99.234	99.234
A	10+69.11	0.54	99.143	99.148
B	10+79.07	-0.39	99.069	99.074
☉ Pier #1	10+92.77	-1.32	98.995	98.995
C	11+02.79	-1.74	98.960	98.974
D	11+12.83	-1.96	98.943	98.965
E	11+22.87	-1.96	98.943	98.965
F	11+32.91	-1.74	98.960	98.974
☉ Pier #2	11+42.93	-1.32	98.995	98.995
G	11+52.93	-0.68	99.046	99.051
H	11+62.90	0.17	99.114	99.118
☉ E. Abut.	11+76.50	1.68	99.234	99.234
Bk. E. Abut.	11+77.78	1.84	99.247	99.247

P.G. & ☉ ROADWAY

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	10+58.17	0.00	99.100	99.100
☉ W. Abut.	10+59.43	0.00	99.100	99.100
A	10+69.20	0.00	99.100	99.105
B	10+79.00	0.00	99.100	99.105
☉ Pier #1	10+92.49	0.00	99.100	99.100
C	11+02.38	0.00	99.100	99.114
D	11+12.33	0.00	99.100	99.122
E	11+22.32	0.00	99.100	99.122
F	11+32.38	0.00	99.100	99.114
☉ Pier #2	11+42.50	0.00	99.100	99.100
G	11+52.70	0.00	99.100	99.105
H	11+62.97	0.00	99.100	99.105
☉ E. Abut.	11+77.18	0.00	99.100	99.100
Bk. E. Abut.	11+78.53	0.00	99.100	99.100

BEAM 5

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	10+58.74	-4.14	98.768	98.768
☉ W. Abut.	10+60.03	-4.30	98.756	98.756
A	10+70.07	-5.42	98.666	98.671
B	10+80.16	-6.33	98.594	98.598
☉ Pier #1	10+94.04	-7.22	98.522	98.522
C	11+04.19	-7.62	98.490	98.504
D	11+14.36	-7.80	98.476	98.498
E	11+24.52	-7.77	98.478	98.500
F	11+34.69	-7.52	98.498	98.512
☉ Pier #2	11+44.83	-7.06	98.536	98.536
G	11+54.95	-6.38	98.590	98.595
H	11+65.04	-5.48	98.661	98.666
☉ E. Abut.	11+78.80	-3.91	98.787	98.787
Bk. E. Abut.	11+80.09	-3.74	98.801	98.801

BEAM 6

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	10+59.58	-10.13	98.290	98.290
☉ W. Abut.	10+60.89	-10.28	98.277	98.277
A	10+71.06	-11.38	98.189	98.194
B	10+81.28	-12.27	98.119	98.123
☉ Pier #1	10+95.34	-13.13	98.050	98.050
C	11+05.62	-13.50	98.020	98.034
D	11+15.92	-13.65	98.008	98.030
E	11+26.22	-13.58	98.014	98.036
F	11+36.51	-13.29	98.037	98.051
☉ Pier #2	11+46.78	-12.79	98.077	98.077
G	11+57.02	-12.06	98.135	98.140
H	11+67.23	-11.12	98.210	98.215
☉ E. Abut.	11+81.15	-9.49	98.341	98.341
Bk. E. Abut.	11+82.45	-9.31	98.355	98.355

BEAM 7

Location	Station	Offset	Theoretical Grade Elevation	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	10+60.44	-16.11	97.811	97.811
☉ W. Abut.	10+61.77	-16.26	97.799	97.799
A	10+72.08	-17.34	97.713	97.718
B	10+82.43	-18.20	97.644	97.648
☉ Pier #1	10+96.68	-19.03	97.578	97.578
C	11+07.10	-19.37	97.551	97.565
D	11+17.53	-19.48	97.541	97.563
E	11+27.96	-19.38	97.550	97.572
F	11+38.38	-19.05	97.576	97.590
☉ Pier #2	11+48.78	-18.51	97.619	97.619
G	11+59.15	-17.74	97.681	97.686
H	11+69.48	-16.76	97.759	97.764
☉ E. Abut.	11+83.55	-15.05	97.896	97.896
Bk. E. Abut.	11+84.87	-14.87	97.910	97.910

For Elevation Location Plan see Sheet 3 of 17.  
 Offsets are from ☉ Rdwy.

DECK ELEVATIONS  
 C.H. 28 OVER MACOUPIN CREEK  
 SECTION 03-00085-00-BR  
 MACOUPIN COUNTY  
 SECTION 03-00126-00-BR  
 MONTGOMERY COUNTY

FILE NAME: MACOUPIN.D (REV. 8/2/08)