

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TO	60-10K-1,60-10HB	MADISON	420	232
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 76709

**GIRDER C6**

LOCATION	STA.	OFFSET	THEORETICAL GRADE ELEVATION	THEOR. GRADE ELEV. ADJ. FOR DEAD LOAD DEFL.
Back E. Abut.	50004.31	0	585.670	585.670
⊕ E. Brg.	50002.48	0	585.727	585.727
CO	49996.81	0	585.898	586.617
CP	49991.15	0	586.067	587.419
CO	49985.48	0	586.234	587.876
CR	49979.82	0	586.399	588.100
CS	49974.16	0	586.561	587.972
CT	49968.49	0	586.721	587.586
⊕ Girder 17	49961.68	0	586.911	586.911

**GIRDER D5**

LOCATION	STA.	OFFSET	THEORETICAL GRADE ELEVATION	THEOR. GRADE ELEV. ADJ. FOR DEAD LOAD DEFL.
Back W. Abut.	49841.35	0	585.153	585.153
⊕ W. Brg.	49844.09	0	585.224	585.224
DN	49851.86	0	585.424	586.028
DO	49859.63	0	585.619	586.827
DP	49867.40	0	585.810	587.276
DO	49875.18	0	585.996	587.706
DR	49882.95	0	586.179	587.685
DS	49890.72	0	586.357	587.619
DT	49898.49	0	586.531	587.233
⊕ Girder 17	49907.52	0	586.728	586.728

**GIRDER C5**

LOCATION	STA.	OFFSET	THEORETICAL GRADE ELEVATION	THEOR. GRADE ELEV. ADJ. FOR DEAD LOAD DEFL.
Back E. Abut.	50006.91	0	585.856	585.856
⊕ E. Brg.	50004.54	0	585.928	585.928
CJ	49998.89	0	586.101	586.664
CK	49993.21	0	586.271	587.226
CL	49987.55	0	586.438	587.612
CM	49981.88	0	586.604	587.550
CN	49976.22	0	586.767	587.308
⊕ Girder 17	49970.78	0	586.922	586.922

**GIRDER D4**

LOCATION	STA.	OFFSET	THEORETICAL GRADE ELEVATION	THEOR. GRADE ELEV. ADJ. FOR DEAD LOAD DEFL.
Back W. Abut.	49842.60	0	585.366	585.366
⊕ W. Brg.	49846.26	0	585.461	585.461
DH	49854.03	0	585.659	586.140
DI	49861.80	0	585.853	586.705
DJ	49869.57	0	586.042	587.089
DK	49877.35	0	586.228	587.168
DL	49885.12	0	586.409	587.108
DM	49892.89	0	586.586	586.803
⊕ Girder 17	49896.40	0	586.664	586.664

**GIRDER C4**

LOCATION	STA.	OFFSET	THEORETICAL GRADE ELEVATION	THEOR. GRADE ELEV. ADJ. FOR DEAD LOAD DEFL.
Back E. Abut.	50008.97	0	586.057	586.057
⊕ E. Brg.	50006.60	0	586.130	586.130
CF	50000.94	0	586.303	586.583
CG	49995.28	0	586.474	586.896
CH	49989.61	0	586.642	587.033
CI	49983.95	0	586.809	587.010
⊕ Girder 17	49979.88	0	586.927	586.927

**GIRDER D3**

LOCATION	STA.	OFFSET	THEORETICAL GRADE ELEVATION	THEOR. GRADE ELEV. ADJ. FOR DEAD LOAD DEFL.
Back W. Abut.	49844.77	0	585.602	585.602
⊕ W. Brg.	49848.43	0	585.696	585.696
DD	49856.20	0	585.893	586.158
DE	49863.97	0	586.086	586.487
DF	49871.74	0	586.275	586.648
DG	49879.52	0	586.459	586.655
⊕ Girder 17	49885.27	0	586.593	586.593

**GIRDER C3**

LOCATION	STA.	OFFSET	THEORETICAL GRADE ELEVATION	THEOR. GRADE ELEV. ADJ. FOR DEAD LOAD DEFL.
Back E. Abut.	50011.03	0	586.258	586.258
⊕ E. Brg.	50008.67	0	586.331	586.331
CC	50003.00	0	586.505	586.608
CD	49997.34	0	586.677	586.801
CE	49991.68	0	586.846	586.899
⊕ Girder 17	49988.98	0	586.926	586.926

**GIRDER D2**

LOCATION	STA.	OFFSET	THEORETICAL GRADE ELEVATION	THEOR. GRADE ELEV. ADJ. FOR DEAD LOAD DEFL.
Back W. Abut.	49854.26	0	585.906	585.906
⊕ W. Brg.	49850.60	0	585.932	585.932
DB	49858.37	0	586.128	586.186
DC	49866.14	0	586.319	586.379
⊕ Girder 17	49874.15	0	586.512	586.512

**GIRDER C2**

LOCATION	STA.	OFFSET	THEORETICAL GRADE ELEVATION	THEOR. GRADE ELEV. ADJ. FOR DEAD LOAD DEFL.
Back E. Abut.	50013.10	0	586.459	586.459
⊕ E. Brg.	50010.73	0	586.532	586.532
CB	50005.07	0	586.707	586.729
⊕ Girder 17	49998.08	0	586.919	586.919

**GIRDER D1**

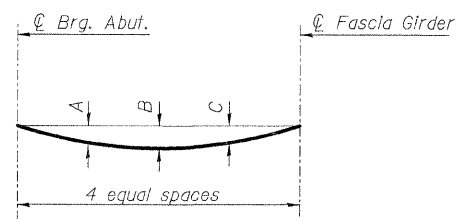
LOCATION	STA.	OFFSET	THEORETICAL GRADE ELEVATION	THEOR. GRADE ELEV. ADJ. FOR DEAD LOAD DEFL.
Back W. Abut.	49856.43	0	586.141	586.141
⊕ W. Brg.	49852.77	0	586.167	586.167
DA	49857.90	0	586.296	586.299
⊕ Girder 17	49863.03	0	586.423	586.423

**GIRDER C1**

LOCATION	STA.	OFFSET	THEORETICAL GRADE ELEVATION	THEOR. GRADE ELEV. ADJ. FOR DEAD LOAD DEFL.
Back E. Abut.	50015.16	0	586.659	586.659
⊕ E. Brg.	50012.80	0	586.733	586.733
CA	50009.99	0	586.820	586.821
⊕ Girder 17	50007.18	0	586.907	586.907

GIRDER	LOCATION		
	A	B	C
C1	0.001	0.001	0.001
C2	0.017	0.023	0.017
C3	0.097	0.136	0.097
C4	0.330	0.463	0.330
C5	0.839	1.178	0.839
C6	1.294	1.817	1.294
D1	0.002	0.003	0.002
D2	0.052	0.073	0.052
D3	0.314	0.440	0.314
D4	0.777	1.091	0.777
D5	1.233	1.73	1.233

(Deflections are in inches)



**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.

**NOTE:**

See Sht. S-12 for ramp screed plan.

For ramp beams screed points are not offset, but are along beam ⊕.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
IL ROUTE 162 OVER I-55/70 IN TROY  
F.A.I ROUTE 70 SECTION 60-10K-1, 60-10HB  
MADISON COUNTY STATION 499+48.35  
STRUCTURE NO. 060-0338

RAMPS C&D DECK ELEVATIONS

DESIGNED: BTO  
CHECKED: JAN  
DATE: 03/06

DRAWN: BTO  
CHECKED: JAN

SHT. S-14 OF S-68

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