

GIRDER A6

LOCATION	STA.	OFFSET	THEORETICAL GRADE ELEVATION	THEOR. GRADE ELEV. ADJ. FOR DEAD LOAD DEFL.
Back W. Abut.	49892.18	0	585.417	585.417
⊕ W. Brg.	49894.02	0	585.482	585.482
AO	49899.69	0	585.681	586.412
AP	49905.35	0	585.878	587.240
AQ	49911.02	0	586.072	587.729
AR	49916.68	0	586.265	587.946
AS	49922.34	0	586.455	587.841
AT	49928.01	0	586.642	587.435
⊕ Girder 1	49934.15	0	586.843	586.843

GIRDER B5

LOCATION	STA.	OFFSET	THEORETICAL GRADE ELEVATION	THEOR. GRADE ELEV. ADJ. FOR DEAD LOAD DEFL.
Back E. Abut.	50055.34	0	585.673	585.673
⊕ E. Brg.	50052.61	0	585.731	585.731
BN	50044.84	0	585.892	586.497
BO	50037.07	0	586.050	587.258
BP	50029.29	0	586.203	587.670
BO	50021.52	0	586.352	588.062
BR	50013.75	0	586.496	588.002
BS	50005.98	0	586.637	587.899
BT	49998.21	0	586.773	587.475
⊕ Girder 1	49989.19	0	586.926	586.926

GIRDER A5

LOCATION	STA.	OFFSET	THEORETICAL GRADE ELEVATION	THEOR. GRADE ELEV. ADJ. FOR DEAD LOAD DEFL.
Back W. Abut.	49887.63	0	585.577	585.577
⊕ W. Brg.	49891.96	0	585.674	585.674
AJ	49897.62	0	585.874	586.448
AK	49903.29	0	586.071	587.036
AL	49908.95	0	586.267	587.426
AM	49914.62	0	586.460	587.387
AN	49920.29	0	586.651	587.134
⊕ Girder 1	49925.05	0	586.809	586.809

GIRDER B4

LOCATION	STA.	OFFSET	THEORETICAL GRADE ELEVATION	THEOR. GRADE ELEV. ADJ. FOR DEAD LOAD DEFL.
Back E. Abut.	50054.10	0	585.880	585.880
⊕ E. Brg.	50050.44	0	585.956	585.956
BH	50042.67	0	586.117	586.599
BI	50034.90	0	586.273	587.125
BJ	50027.12	0	586.425	587.472
BK	50019.35	0	586.573	587.513
BL	50011.58	0	586.716	587.415
BM	50003.81	0	586.855	587.072
⊕ Girder 1	50000.31	0	586.917	586.917

GIRDER A4

LOCATION	STA.	OFFSET	THEORETICAL GRADE ELEVATION	THEOR. GRADE ELEV. ADJ. FOR DEAD LOAD DEFL.
Back W. Abut.	49885.57	0	585.768	585.768
⊕ W. Brg.	49889.90	0	585.865	585.865
AF	49895.56	0	586.066	586.353
AG	49901.23	0	586.264	586.693
AH	49906.89	0	586.461	586.843
AI	49912.55	0	586.654	586.826
⊕ Girder 1	49918.22	0	586.851	586.851

GIRDER B3

LOCATION	STA.	OFFSET	THEORETICAL GRADE ELEVATION	THEOR. GRADE ELEV. ADJ. FOR DEAD LOAD DEFL.
Back E. Abut.	50051.93	0	586.105	586.105
⊕ E. Brg.	50048.27	0	586.182	586.182
BD	50040.50	0	586.341	586.606
BE	50032.73	0	586.496	586.897
BF	50024.96	0	586.647	587.020
BG	50017.18	0	586.793	586.989
⊕ Girder 1	50011.43	0	586.899	586.899

GIRDER A3

LOCATION	STA.	OFFSET	THEORETICAL GRADE ELEVATION	THEOR. GRADE ELEV. ADJ. FOR DEAD LOAD DEFL.
Back W. Abut.	49883.50	0	585.958	585.958
⊕ W. Brg.	49887.83	0	586.057	586.057
AC	49893.50	0	586.258	586.363
AD	49899.16	0	586.457	586.578
AE	49904.83	0	586.654	586.695
⊕ Girder 1	49906.85	0	586.724	586.724

GIRDER B2

LOCATION	STA.	OFFSET	THEORETICAL GRADE ELEVATION	THEOR. GRADE ELEV. ADJ. FOR DEAD LOAD DEFL.
Back E. Abut.	50049.76	0	586.331	586.331
⊕ E. Brg.	50046.10	0	586.407	586.407
BB	50038.33	0	586.565	586.624
BC	50030.56	0	586.719	586.778
⊕ Girder 1	50022.56	0	586.873	586.873

GIRDER A2

LOCATION	STA.	OFFSET	THEORETICAL GRADE ELEVATION	THEOR. GRADE ELEV. ADJ. FOR DEAD LOAD DEFL.
Back W. Abut.	49881.44	0	586.148	586.148
⊕ W. Brg.	49885.77	0	586.247	586.247
AB	49891.43	0	586.450	586.472
⊕ Girder 1	49897.75	0	586.673	586.673

GIRDER B1

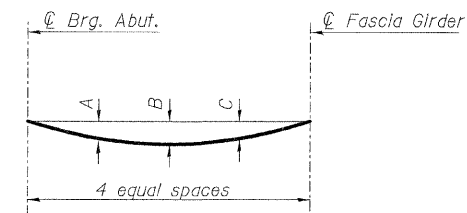
LOCATION	STA.	OFFSET	THEORETICAL GRADE ELEVATION	THEOR. GRADE ELEV. ADJ. FOR DEAD LOAD DEFL.
Back E. Abut.	50047.59	0	586.556	586.556
⊕ E. Brg.	50043.93	0	586.632	586.632
BA	50038.80	0	586.735	586.738
⊕ Girder 1	50033.68	0	586.838	586.838

GIRDER A1

LOCATION	STA.	OFFSET	THEORETICAL GRADE ELEVATION	THEOR. GRADE ELEV. ADJ. FOR DEAD LOAD DEFL.
Back W. Abut.	49879.38	0	586.338	586.338
⊕ W. Brg.	49883.71	0	586.438	586.438
AA	49886.18	0	586.527	586.528
⊕ Girder 1	49888.65	0	586.615	586.615

GIRDER	LOCATION		
	A	B	C
A1	0.001	0.001	0.001
A2	0.017	0.023	0.017
A3	0.097	0.136	0.097
A4	0.330	0.463	0.330
A5	0.839	1.178	0.839
A6	1.294	1.817	1.294
B1	0.002	0.003	0.002
B2	0.052	0.073	0.052
B3	0.314	0.440	0.314
B4	0.777	1.091	0.777
B5	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 A&B DECK ELEVATIONS

DESIGNED: BTO DRAWN: BTO
DATE: 03/06 CHECKED: JAN CHECKED: JAN

SHT. S-13 OF S-68

STV Incorporated
Engineers/Architects/Planners/Construction Managers
200 W. Monroe Street, Suite 1650
Chicago, IL 60606-5015
312/353-0655, FAX 312/553-0661