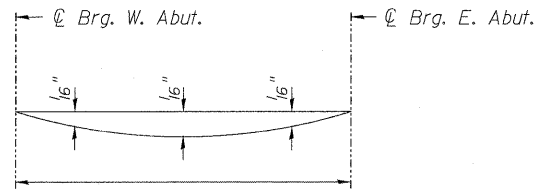


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

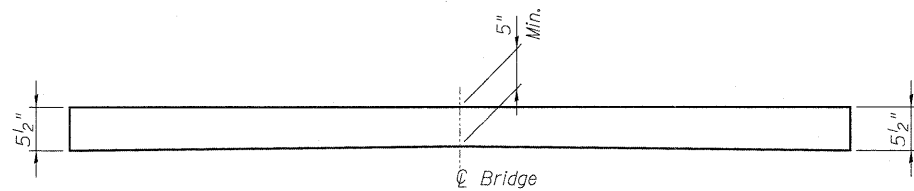


DEAD LOAD DEFLECTION DIAGRAM

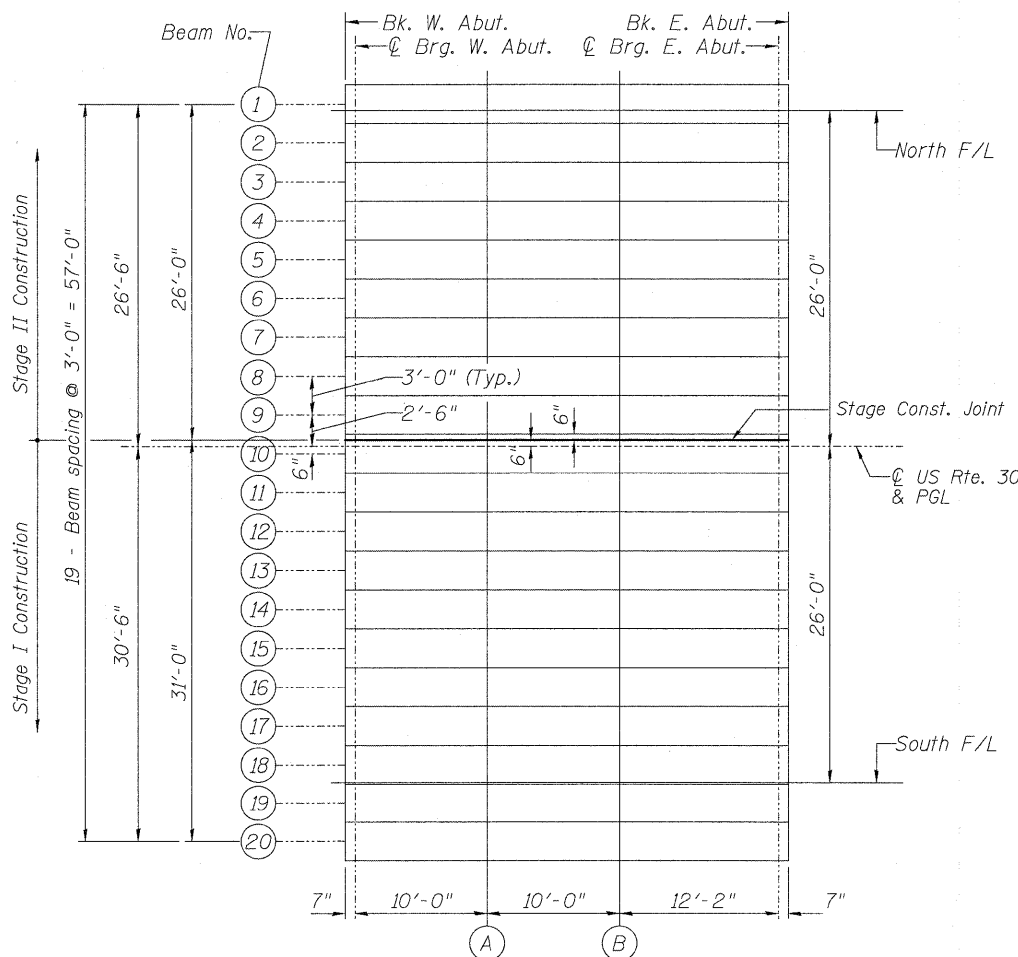
(Includes weight of concrete Overlay only.)

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 in this sheet and on Sheet S6.



CONCRETE WEARING SURFACE (CWS) PROFILE



TOP OF DECK PLAN

DESIGNED	JPM
CHECKED	TG
DRAWN	MPS
CHECKED	JPM, TG



100 S. WACKER DRIVE, SUITE 700, CHICAGO, IL 60606, P.312-686-8910 F.312-686-8415

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back W. Abutment	180+48.83	-26.50	644.17	644.17
CL Brg. W. Abutm	180+49.42	-26.50	644.17	644.17
A	180+59.42	-26.50	644.17	644.18
B	180+69.42	-26.50	644.16	644.17
CL Brg. E. Abutm	180+81.59	-26.50	644.14	644.14
Back E. Abutment	180+82.17	-26.50	644.14	644.14

NORTH F/L

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back W. Abutment	180+48.83	-26.00	644.18	644.18
CL Brg. W. Abutm	180+49.42	-26.00	644.18	644.18
A	180+59.42	-26.00	644.18	644.18
B	180+69.42	-26.00	644.17	644.18
CL Brg. E. Abutm	180+81.59	-26.00	644.15	644.15
Back E. Abutment	180+82.17	-26.00	644.15	644.15

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back W. Abutment	180+48.83	-23.50	644.22	644.22
CL Brg. W. Abutm	180+49.42	-23.50	644.22	644.22
A	180+59.42	-23.50	644.22	644.22
B	180+69.42	-23.50	644.21	644.22
CL Brg. E. Abutm	180+81.59	-23.50	644.19	644.19
Back E. Abutment	180+82.17	-23.50	644.19	644.19

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back W. Abutment	180+48.83	-20.50	644.26	644.26
CL Brg. W. Abutm	180+49.42	-20.50	644.26	644.26
A	180+59.42	-20.50	644.26	644.27
B	180+69.42	-20.50	644.26	644.26
CL Brg. E. Abutm	180+81.59	-20.50	644.24	644.24
Back E. Abutment	180+82.17	-20.50	644.24	644.24

BEAM 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back W. Abutment	180+48.83	-17.50	644.31	644.31
CL Brg. W. Abutm	180+49.42	-17.50	644.31	644.31
A	180+59.42	-17.50	644.31	644.32
B	180+69.42	-17.50	644.30	644.31
CL Brg. E. Abutm	180+81.59	-17.50	644.29	644.29
Back E. Abutment	180+82.17	-17.50	644.28	644.28

BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back W. Abutment	180+48.83	-14.50	644.36	644.36
CL Brg. W. Abutm	180+49.42	-14.50	644.36	644.36
A	180+59.42	-14.50	644.36	644.36
B	180+69.42	-14.50	644.35	644.36
CL Brg. E. Abutm	180+81.59	-14.50	644.33	644.33
Back E. Abutment	180+82.17	-14.50	644.33	644.33

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back W. Abutment	180+48.83	-11.50	644.40	644.40
CL Brg. W. Abutm	180+49.42	-11.50	644.40	644.40
A	180+59.42	-11.50	644.40	644.41
B	180+69.42	-11.50	644.40	644.40
CL Brg. E. Abutm	180+81.59	-11.50	644.38	644.38
Back E. Abutment	180+82.17	-11.50	644.38	644.38

BEAM 7

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back W. Abutment	180+48.83	-8.50	644.45	644.45
CL Brg. W. Abutm	180+49.42	-8.50	644.45	644.45
A	180+59.42	-8.50	644.45	644.46
B	180+69.42	-8.50	644.44	644.45
CL Brg. E. Abutm	180+81.59	-8.50	644.43	644.43
Back E. Abutment	180+82.17	-8.50	644.42	644.42

BEAM 8

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back W. Abutment	180+48.83	-5.50	644.50	644.50
CL Brg. W. Abutm	180+49.42	-5.50	644.50	644.50
A	180+59.42	-5.50	644.50	644.50
B	180+69.42	-5.50	644.49	644.50
CL Brg. E. Abutm	180+81.59	-5.50	644.47	644.47
Back E. Abutment	180+82.17	-5.50	644.47	644.47

BEAM 9

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back W. Abutment	180+48.83	-2.50	644.54	644.54
CL Brg. W. Abutm	180+49.42	-2.50	644.54	644.54
A	180+59.42	-2.50	644.55	644.55
B	180+69.42	-2.50	644.54	644.54
CL Brg. E. Abutm	180+81.59	-2.50	644.52	644.52
Back E. Abutment	180+82.17	-2.50	644.52	644.52

TOP OF DECK SLAB PLAN, PROFILE, DEFLECTION & ELEVATIONS

STRUCTURE NO. 016-2503

SHEET NO. S5	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	353	11-5-B	COOK	39	17
S18 SHEETS		CONTRACT NO. 60J44			
ILLINOIS FED. AID PROJECT					