

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

LONGITUDINAL CONSTRUCTION JOINT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back W. Abutment	180+48.83	-0.50	644.58	644.58
CL Brg. W. Abutm	180+49.42	-0.50	644.58	644.58
A	180+59.42	-0.50	644.58	644.58
B	180+69.42	-0.50	644.57	644.58
CL Brg. E. Abutm	180+81.59	-0.50	644.55	644.55
Back E. Abutment	180+82.17	-0.50	644.55	644.55

US Rte. 30 & PGL

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back W. Abutment	180+48.83	0.00	644.58	644.58
CL Brg. W. Abutm	180+49.42	0.00	644.58	644.58
A	180+59.42	0.00	644.58	644.59
B	180+69.42	0.00	644.58	644.58
CL Brg. E. Abutm	180+81.59	0.00	644.56	644.56
Back E. Abutment	180+82.17	0.00	644.56	644.56

BEAM 10

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back W. Abutment	180+48.83	0.50	644.58	644.58
CL Brg. W. Abutm	180+49.42	0.50	644.58	644.58
A	180+59.42	0.50	644.58	644.58
B	180+69.42	0.50	644.57	644.58
CL Brg. E. Abutm	180+81.59	0.50	644.55	644.55
Back E. Abutment	180+82.17	0.50	644.55	644.55

BEAM 11

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back W. Abutment	180+48.83	3.50	644.53	644.53
CL Brg. W. Abutm	180+49.42	3.50	644.53	644.53
A	180+59.42	3.50	644.53	644.53
B	180+69.42	3.50	644.52	644.53
CL Brg. E. Abutm	180+81.59	3.50	644.50	644.50
Back E. Abutment	180+82.17	3.50	644.50	644.50

BEAM 12

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back W. Abutment	180+48.83	6.50	644.48	644.48
CL Brg. W. Abutm	180+49.42	6.50	644.48	644.48
A	180+59.42	6.50	644.48	644.49
B	180+69.42	6.50	644.48	644.48
CL Brg. E. Abutm	180+81.59	6.50	644.46	644.46
Back E. Abutment	180+82.17	6.50	644.46	644.46

BEAM 13

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back W. Abutment	180+48.83	9.50	644.43	644.43
CL Brg. W. Abutm	180+49.42	9.50	644.44	644.44
A	180+59.42	9.50	644.44	644.44
B	180+69.42	9.50	644.43	644.43
CL Brg. E. Abutm	180+81.59	9.50	644.41	644.41
Back E. Abutment	180+82.17	9.50	644.41	644.41

BEAM 14

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back W. Abutment	180+48.83	12.50	644.39	644.39
CL Brg. W. Abutm	180+49.42	12.50	644.39	644.39
A	180+59.42	12.50	644.39	644.39
B	180+69.42	12.50	644.38	644.39
CL Brg. E. Abutm	180+81.59	12.50	644.36	644.36
Back E. Abutment	180+82.17	12.50	644.36	644.36

BEAM 15

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back W. Abutment	180+48.83	15.50	644.34	644.34
CL Brg. W. Abutm	180+49.42	15.50	644.34	644.34
A	180+59.42	15.50	644.34	644.35
B	180+69.42	15.50	644.34	644.34
CL Brg. E. Abutm	180+81.59	15.50	644.32	644.32
Back E. Abutment	180+82.17	15.50	644.32	644.32

BEAM 16

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back W. Abutment	180+48.83	18.50	644.29	644.29
CL Brg. W. Abutm	180+49.42	18.50	644.29	644.29
A	180+59.42	18.50	644.30	644.30
B	180+69.42	18.50	644.29	644.29
CL Brg. E. Abutm	180+81.59	18.50	644.27	644.27
Back E. Abutment	180+82.17	18.50	644.27	644.27

BEAM 17

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back W. Abutment	180+48.83	21.50	644.25	644.25
CL Brg. W. Abutm	180+49.42	21.50	644.25	644.25
A	180+59.42	21.50	644.25	644.25
B	180+69.42	21.50	644.24	644.25
CL Brg. E. Abutm	180+81.59	21.50	644.22	644.22
Back E. Abutment	180+82.17	21.50	644.22	644.22

BEAM 18

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back W. Abutment	180+48.83	24.50	644.20	644.20
CL Brg. W. Abutm	180+49.42	24.50	644.20	644.20
A	180+59.42	24.50	644.20	644.21
B	180+69.42	24.50	644.19	644.20
CL Brg. E. Abutm	180+81.59	24.50	644.18	644.18
Back E. Abutment	180+82.17	24.50	644.17	644.17

SOUTH 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 19

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back W. Abutment	180+48.83	27.50	644.15	644.15
CL Brg. W. Abutm	180+49.42	27.50	644.15	644.15
A	180+59.42	27.50	644.15	644.16
B	180+69.42	27.50	644.15	644.15
CL Brg. E. Abutm	180+81.59	27.50	644.13	644.13
Back E. Abutment	180+82.17	27.50	644.13	644.13

BEAM 20

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back W. Abutment	180+48.83	30.50	644.11	644.11
CL Brg. W. Abutm	180+49.42	30.50	644.11	644.11
A	180+59.42	30.50	644.11	644.11
B	180+69.42	30.50	644.10	644.11
CL Brg. E. Abutm	180+81.59	30.50	644.08	644.08
Back E. Abutment	180+82.17	30.50	644.08	644.08

TOP OF DECK SLAB ELEVATIONS  
STRUCTURE NO. 016-2503

DESIGNED	JPM
CHECKED	TG
DRAWN	MPS
CHECKED	JPM, TG



100 S. WALKER DRIVE SUITE 700 CHICAGO IL 60606 P.312-686-8910 F.312-686-0415

SHEET NO.56	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	353	11-5-B	COOK	39	18
S18 SHEETS			CONTRACT NO. 60J44		
ILLINOIS FED. AID PROJECT					