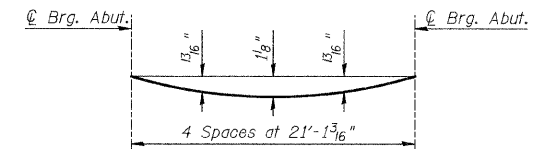
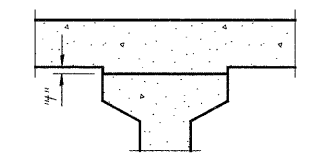


FRAMING PLAN



DEAD LOAD DEFLECTION DIAGRAM
(Includes weight of concrete, excluding beams).

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 below.



To determine "f": After all precast prestressed beams have been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted For Dead Load Deflections" shown below, minus slab thickness, equals the fillet heights "f" above top flanges of beams.

FILLET HEIGHTS

Beam ①

Location	Station	Offset Lt.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
☉ Brg. W. Abut.	49+67.36	20.50	702.56	702.56
A	49+77.36	20.50	702.40	702.44
B	49+87.36	20.50	702.25	702.31
C	49+97.36	20.50	702.10	702.19
D	50+07.36	20.50	701.96	702.05
E	50+17.36	20.50	701.82	701.91
F	50+27.36	20.50	701.69	701.76
G	50+37.36	20.50	701.56	701.60
H	50+47.36	20.50	701.43	701.45
☉ Brg. E. Abut.	50+51.76	20.50	701.38	701.38

Beam ②

Location	Station	Offset Lt.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
☉ Brg. W. Abut.	49+64.17	13.67	702.75	702.75
A	49+74.17	13.67	702.60	702.63
B	49+84.17	13.67	702.44	702.51
C	49+94.17	13.67	702.29	702.38
D	50+04.17	13.67	702.15	702.24
E	50+14.17	13.67	702.01	702.10
F	50+24.17	13.67	701.87	701.94
G	50+34.17	13.67	701.74	701.79
H	50+44.17	13.67	701.61	701.63
☉ Brg. E. Abut.	50+48.57	13.67	701.56	701.56

Beam ③

Location	Station	Offset Lt.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
☉ Brg. W. Abut.	49+60.99	6.83	702.92	702.92
A	49+70.99	6.83	702.76	702.80
B	49+80.99	6.83	702.61	702.67
C	49+90.99	6.83	702.45	702.54
D	50+00.99	6.83	702.31	702.40
E	50+10.99	6.83	702.17	702.26
F	50+20.99	6.83	702.03	702.10
G	50+30.99	6.83	701.90	701.94
H	50+40.99	6.83	701.77	701.78
☉ Brg. E. Abut.	50+45.39	6.83	701.71	701.71

Beam ④

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
☉ Brg. W. Abut.	49+57.80	0.00	703.08	703.08
A	49+67.80	0.00	702.92	702.95
B	49+77.80	0.00	702.76	702.83
C	49+87.80	0.00	702.61	702.69
D	49+97.80	0.00	702.46	702.55
E	50+07.80	0.00	702.32	702.41
F	50+17.80	0.00	702.18	702.25
G	50+27.80	0.00	702.04	702.09
H	50+37.80	0.00	701.91	701.93
☉ Brg. E. Abut.	50+42.20	0.00	701.86	701.86

Bonded Construction Joint

Location	Station	Offset Rt.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
☉ Brg. W. Abut.	49+56.26	3.29	703.05	703.05
A	49+66.26	3.29	702.89	702.93
B	49+76.26	3.29	702.73	702.80
C	49+86.26	3.29	702.58	702.67
D	49+96.26	3.29	702.43	702.53
E	50+06.26	3.29	702.29	702.38
F	50+16.26	3.29	702.15	702.22
G	50+26.26	3.29	702.01	702.06
H	50+36.26	3.29	701.88	701.90
☉ Brg. E. Abut.	50+40.67	3.29	701.83	701.83

Beam ⑤

Location	Station	Offset Rt.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
☉ Brg. W. Abut.	49+54.61	6.83	703.03	703.03
A	49+64.61	6.83	702.86	702.90
B	49+74.61	6.83	702.70	702.77
C	49+84.61	6.83	702.55	702.63
D	49+94.61	6.83	702.40	702.49
E	50+04.61	6.83	702.26	702.35
F	50+14.61	6.83	702.12	702.19
G	50+24.61	6.83	701.98	702.03
H	50+34.61	6.83	701.85	701.86
☉ Brg. E. Abut.	50+39.01	6.83	701.79	701.79

Beam ⑥

Location	Station	Offset Rt.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
☉ Brg. W. Abut.	49+51.43	13.67	702.96	702.96
A	49+61.43	13.67	702.80	702.83
B	49+71.43	13.67	702.64	702.70
C	49+81.43	13.67	702.48	702.57
D	49+91.43	13.67	702.33	702.43
E	50+01.43	13.67	702.19	702.28
F	50+11.43	13.67	702.04	702.12
G	50+21.43	13.67	701.91	701.95
H	50+31.43	13.67	701.77	701.79
☉ Brg. E. Abut.	50+35.83	13.67	701.72	701.72

Beam ⑦

Location	Station	Offset Rt.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
☉ Brg. W. Abut.	49+48.24	20.50	702.88	702.88
A	49+58.24	20.50	702.71	702.74
B	49+68.24	20.50	702.55	702.61
C	49+78.24	20.50	702.39	702.47
D	49+88.24	20.50	702.24	702.33
E	49+98.24	20.50	702.09	702.18
F	50+08.24	20.50	701.95	702.02
G	50+18.24	20.50	701.81	701.86
H	50+28.24	20.50	701.67	701.69
☉ Brg. E. Abut.	50+32.64	20.50	701.62	701.62

FILE = S:\Struct\10333004-Indiana Avenue\Design\Structural Drawings\10333004 TopofSlab.dgn

REVISION	DATE	BY	REMARKS

DRAWN R.D.A.
CHECKED M.C.W.
APPROVED B.K.C.
**ILLINOIS DEPARTMENT OF TRANSPORTATION
BRIDGE REPLACEMENT
INDIANA AVENUE (CH 24) OVER TRIM CREEK**

**WILLET HOFMANN
ASSOCIATES INC.**
ENGINEERING ARCHITECTURE LAND SURVEYING
809 EAST 2ND STREET, DIXON, IL 61021-0567
T. 815-234-3381 DESIGN PRJ# 184-00918

WILL COUNTY

**TOP OF SLAB ELEVATIONS
STRUCTURE NO. 099-3378**
STRUCTURAL SHEET NO. 5 OF 19 SHEETS

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
01-00042-07-BR	WILL	58	18
STA. 47+00	STA. 53+50		
WHA #: 1033004	DATE: 6/9/2011		

CONTRACT NO. 63617