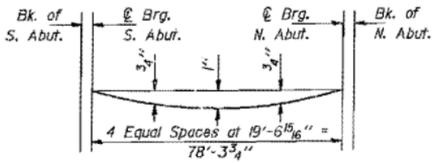
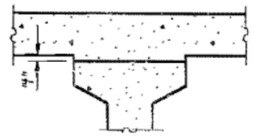


DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete slab 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 below.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



To determine "X": 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" minus slab thickness, equals the fillet heights "X" above top flanges of beams.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 100	4	GRUNDY	106	72
PROJ. ROAD CONT. NO. 7	ILLINOIS	FED. NO. PROJECT-		

SHEET NO. 6
15 SHEETS

FILLET HEIGHTS

BEAM #1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	20328.000	-16.500	581.239	581.239
℄ Brg. S. Abut.	20332.010	-16.500	581.239	581.239
A	20342.010	-16.500	581.239	581.273
B	20352.010	-16.500	581.239	581.306
C	20362.010	-16.500	581.239	581.320
D	20372.010	-16.500	581.239	581.331
E	20382.010	-16.500	581.239	581.317
F	20392.010	-16.500	581.239	581.301
G	20402.010	-16.500	581.239	581.267
℄ Brg. N. Abut.	20410.323	-16.500	581.239	581.239
Bk. N. Abut.	20414.500	-16.500	581.239	581.239

BEAM #2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	20322.500	-11.000	581.348	581.348
℄ Brg. S. Abut.	20326.510	-11.000	581.348	581.348
A	20336.510	-11.000	581.348	581.382
B	20346.510	-11.000	581.348	581.415
C	20356.510	-11.000	581.348	581.429
D	20366.510	-11.000	581.348	581.440
E	20376.510	-11.000	581.348	581.426
F	20386.510	-11.000	581.348	581.410
G	20396.510	-11.000	581.348	581.376
℄ Brg. N. Abut.	20404.823	-11.000	581.348	581.348
Bk. N. Abut.	20409.000	-11.000	581.348	581.348

BEAM #3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	20317.000	-5.500	581.434	581.434
℄ Brg. S. Abut.	20321.010	-5.500	581.434	581.434
A	20331.010	-5.500	581.434	581.468
B	20341.010	-5.500	581.434	581.501
C	20351.010	-5.500	581.434	581.515
D	20361.010	-5.500	581.434	581.526
E	20371.010	-5.500	581.434	581.512
F	20381.010	-5.500	581.434	581.496
G	20391.010	-5.500	581.434	581.462
℄ Brg. N. Abut.	20399.323	-5.500	581.434	581.434
Bk. N. Abut.	20403.500	-5.500	581.434	581.434

BONDED STAGE CONSTR. JT.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	20315.000	-3.500	581.465	581.465
℄ Brg. S. Abut.	20319.010	-3.500	581.465	581.465
A	20329.010	-3.500	581.465	581.499
B	20339.010	-3.500	581.465	581.532
C	20349.010	-3.500	581.465	581.546
D	20359.010	-3.500	581.465	581.557
E	20369.010	-3.500	581.465	581.544
F	20379.010	-3.500	581.465	581.528
G	20389.010	-3.500	581.465	581.494
℄ Brg. N. Abut.	20397.323	-3.500	581.465	581.465
Bk. N. Abut.	20401.500	-3.500	581.465	581.465

℄ RDWY., P.G. & BEAM #4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	20311.500	0.000	581.520	581.520
℄ Brg. S. Abut.	20315.510	0.000	581.520	581.520
A	20325.510	0.000	581.520	581.554
B	20335.510	0.000	581.520	581.587
C	20345.510	0.000	581.520	581.601
D	20355.510	0.000	581.520	581.612
E	20365.510	0.000	581.520	581.598
F	20375.510	0.000	581.520	581.582
G	20385.510	0.000	581.520	581.548
℄ Brg. N. Abut.	20393.823	0.000	581.520	581.520
Bk. N. Abut.	20398.000	0.000	581.520	581.520

BEAM #5

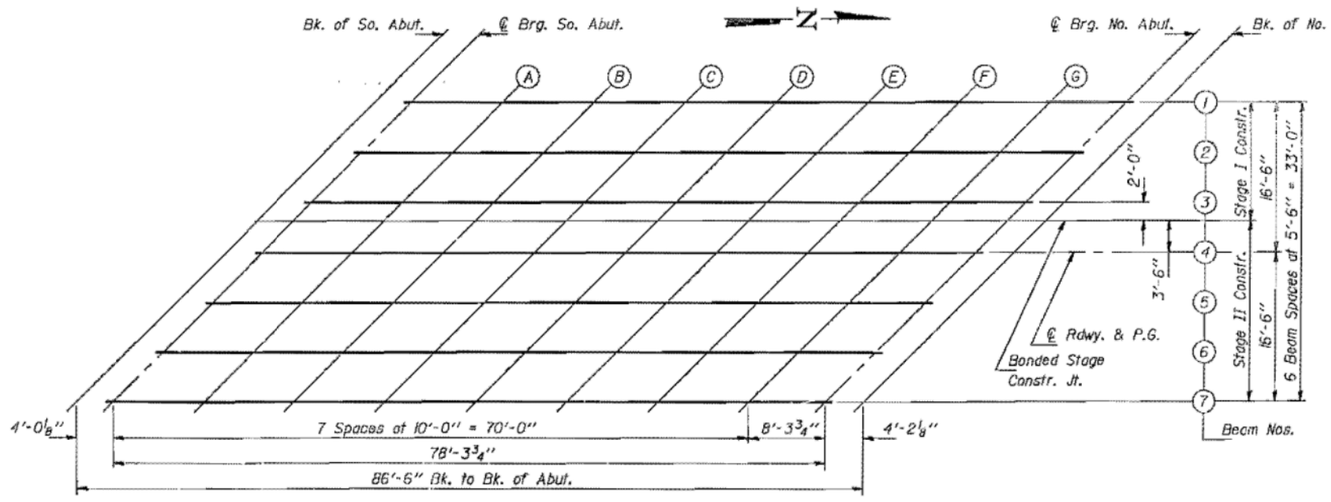
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	20306.000	5.500	581.434	581.434
℄ Brg. S. Abut.	20310.010	5.500	581.434	581.434
A	20320.010	5.500	581.434	581.468
B	20330.010	5.500	581.434	581.501
C	20340.010	5.500	581.434	581.515
D	20350.010	5.500	581.434	581.526
E	20360.010	5.500	581.434	581.512
F	20370.010	5.500	581.434	581.496
G	20380.010	5.500	581.434	581.462
℄ Brg. N. Abut.	20388.323	5.500	581.434	581.434
Bk. N. Abut.	20392.500	5.500	581.434	581.434

BEAM #6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	20300.500	11.000	581.348	581.348
℄ Brg. S. Abut.	20304.510	11.000	581.348	581.348
A	20314.510	11.000	581.348	581.382
B	20324.510	11.000	581.348	581.415
C	20334.510	11.000	581.348	581.429
D	20344.510	11.000	581.348	581.440
E	20354.510	11.000	581.348	581.426
F	20364.510	11.000	581.348	581.410
G	20374.510	11.000	581.348	581.376
℄ Brg. N. Abut.	20382.823	11.000	581.348	581.348
Bk. N. Abut.	20387.000	11.000	581.348	581.348

BEAM #7

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	20295.000	16.500	581.239	581.239
℄ Brg. S. Abut.	20299.010	16.500	581.239	581.239
A	20309.010	16.500	581.239	581.273
B	20319.010	16.500	581.239	581.306
C	20329.010	16.500	581.239	581.320
D	20339.010	16.500	581.239	581.331
E	20349.010	16.500	581.239	581.317
F	20359.010	16.500	581.239	581.301
G	20369.010	16.500	581.239	581.267
℄ Brg. N. Abut.	20377.323	16.500	581.239	581.239
Bk. N. Abut.	20381.500	16.500	581.239	581.239



PLAN

FOR INFORMATION ONLY

TOP OF SLAB ELEVATIONS
F.A. RT. 100 SEC. 110BR-1
GRUNDY COUNTY
STA. 203+54.75

DESIGNED	YASSMIN ESMAIN
CHECKED	VICTOR VELEZ
DRAWN	John F. Schaeller Jr.
CHECKED	P.M. Hahn

May 22 1987

EXAMINED — ENGINEER OF BRIDGE DESIGN
PASSED — ENGINEER OF MATERIALS AND PHYSICAL RESEARCH
APPROVED — DIRECTOR OF HIGHWAYS

PI-E

FILE NAME = V:\3195\66B83 (South Section)\CADD Sheets\D366B83-sht-exstruct-17.dgn	USER NAME = bdecraene	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -
SHT_PLAN	PLOT DATE = 8/6/2013	DATE - 7/15/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL. RTE. 47
EXISTING BRIDGE PLANS

SCALE: N/A | SHEET 17 OF 23 SHEETS | STA. N/A | TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(110)R, BR & BR-1	GRUNDY	644	415
		CONTRACT NO. 66B83		
	ILLINOIS	FED. AID PROJECT		