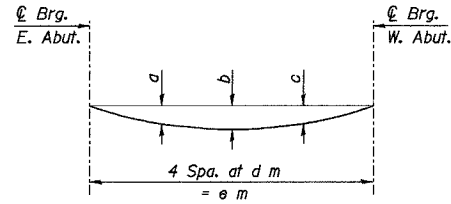


ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 74	(72-7) R-3	PEORIA	424	1360
FED. ROAD DIST. NO. 7	ILLINOIS		FED. AID PROJECT	

CONTRACT NO. 68200

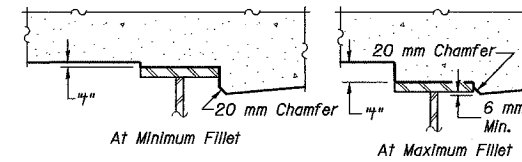


DEAD LOAD DEFLECTION DIAGRAM
(Includes weight of concrete only)

Note: The above deflections are not to be used in the field if the Engineer is working from the theoretical grade elevations adjusted for dead load deflections as shown below and on Dwg. No. SLB-1.

TABLE OF a THRU e DIMENSIONS

Girder No.	a	b	c	d (m)	e (m)
1	93	131	93	8.182	32.726
2	84	118	84	8.159	32.635
3	84	118	84	8.136	32.545
4	81	114	81	8.114	32.457
5	81	114	81	8.093	32.370
6	88	124	88	8.071	32.284



To determine "y": After all structural steel has been erected, elevations of the top flanges of the girders shall be taken at intervals shown on Dwg. No. SLB-1. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown below and on Dwg. No. SLB-1, minus slab thickness, equals the fillet heights "y" above top flange of girders.

FILLET HEIGHTS

GIRDER 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. E. Abut.	10399.097	-1.435	197.883	197.883
☉ Brg. E. Abut.	10400.752	-1.435	197.982	197.982
A	10403.759	-1.435	198.159	198.192
B	10406.766	-1.435	198.329	198.393
C	10409.773	-1.435	198.495	198.582
D	10412.780	-1.435	198.655	198.760
E	10415.787	-1.435	198.810	198.922
F	10418.794	-1.435	198.959	199.071
G	10421.801	-1.435	199.103	199.205
H	10424.809	-1.435	199.242	199.325
I	10427.816	-1.435	199.375	199.432
J	10430.823	-1.435	199.502	199.530
☉ Brg. W. Abut.	10433.286	-1.435	199.603	199.603
Bk. W. Abut.	10435.043	-1.435	199.672	199.672

GIRDER 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. E. Abut.	10397.661	-0.005	197.846	197.846
☉ Brg. E. Abut.	10399.307	-0.005	197.944	197.944
A	10402.307	-0.005	198.123	198.156
B	10405.307	-0.005	198.296	198.359
C	10408.307	-0.005	198.464	198.551
D	10411.307	-0.005	198.626	198.730
E	10414.307	-0.005	198.783	198.896
F	10417.307	-0.005	198.935	199.046
G	10420.307	-0.005	199.081	199.183
H	10423.307	-0.005	199.222	199.305
I	10426.308	-0.005	199.357	199.414
J	10429.308	-0.005	199.487	199.514
☉ Brg. W. Abut.	10431.677	-0.005	199.586	199.586
Bk. W. Abut.	10433.425	-0.005	199.657	199.657

RAMP A-3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. E. Abut.	10397.656	0.000	197.845	197.845
☉ Brg. E. Abut.	10399.302	0.000	197.944	197.944
A	10402.302	0.000	198.123	198.156
B	10405.302	0.000	198.296	198.359
C	10408.302	0.000	198.464	198.551
D	10411.302	0.000	198.626	198.730
E	10414.302	0.000	198.783	198.895
F	10417.302	0.000	198.935	199.046
G	10420.302	0.000	199.081	199.183
H	10423.302	0.000	199.222	199.305
I	10426.302	0.000	199.357	199.414
J	10429.302	0.000	199.487	199.514
☉ Brg. W. Abut.	10431.672	0.000	199.586	199.586
Bk. W. Abut.	10433.419	0.000	199.657	199.657

GIRDER 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. E. Abut.	10396.235	1.425	197.732	197.732
☉ Brg. E. Abut.	10397.873	1.425	197.830	197.830
A	10400.866	1.425	198.009	198.046
B	10403.859	1.425	198.185	198.253
C	10406.852	1.425	198.355	198.450
D	10409.845	1.425	198.519	198.633
E	10412.838	1.425	198.678	198.801
F	10415.831	1.425	198.832	198.954
G	10418.824	1.425	198.981	199.091
H	10421.817	1.425	199.124	199.214
I	10424.810	1.425	199.262	199.323
J	10427.803	1.425	199.394	199.422
☉ Brg. W. Abut.	10430.081	1.425	199.492	199.492
Bk. W. Abut.	10431.820	1.425	199.564	199.564

Time: 09:00:59 AM Date: 11/19/2004 File name: P:\643996\structural\A3\072-0172-Sheet\Tracings\SH0001-A072072.dgn

Designed by: AK
Checked by: WEE
Drafted by: JV
Checked by: EHF

Notes:
Work this drawing with Dwg. No. SLB-1.
All elevations and offsets are in meters.
All elevations are at top of slab.
All dimensions are in millimeters (mm) unless noted otherwise.

REVISION	DATE	DESCRIPTION
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		
TOP OF SLAB ELEVATIONS II		
RAMP A-3 OVER RAMP B-5 F.A.I. ROUTE 74 (SECTION 72-7)R-3 PEORIA COUNTY STA. 10+418.515 (RAMP A-3) STRUCTURE NUMBER 072-0172		
PARSONS TRANSPORTATION GROUP CHICAGO, ILLINOIS		
DRAWING NO. SLB-2	SCALE N.T.S.	DATE 11/16/04
		SHEET NO. 5