

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEAM 1

Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of S. Abut.	39+06.75	-12.50	658.59	658.59
☉ Brg. S. Abut.	39+10.00	-12.50	658.59	658.59
a	39+20.00	-12.50	658.59	658.63
b	39+30.00	-12.50	658.59	658.66
c	39+40.00	-12.50	658.59	658.68
d	39+50.00	-12.50	658.59	658.67
e	39+60.00	-12.50	658.59	658.65
f	39+70.00	-12.50	658.59	658.63
g	39+80.00	-12.50	658.59	658.60
☉ Pier 1	39+90.00	-12.50	658.59	658.59
h	40+00.00	-12.50	658.59	658.60
i	40+10.00	-12.50	658.59	658.62
j	40+20.00	-12.50	658.59	658.64
k	40+30.00	-12.50	658.59	658.66
l	40+40.00	-12.50	658.59	658.67
m	40+50.00	-12.50	658.59	658.67
n	40+60.00	-12.50	658.59	658.65
o	40+70.00	-12.50	658.59	658.62
p	40+80.00	-12.50	658.59	658.60
☉ Pier 2	40+90.00	-12.50	658.59	658.59
q	41+00.00	-12.50	658.59	658.60
r	41+10.00	-12.50	658.59	658.62
s	41+20.00	-12.50	658.59	658.65
t	41+30.00	-12.50	658.59	658.67
u	41+40.00	-12.50	658.59	658.68
v	41+50.00	-12.50	658.59	658.67
w	41+60.00	-12.50	658.59	658.65
x	41+70.00	-12.50	658.59	658.62
y	41+80.00	-12.50	658.59	658.60
☉ Pier 3	41+90.00	-12.50	658.59	658.59
z	42+00.00	-12.50	658.59	658.60
aa	42+10.00	-12.50	658.59	658.62
bb	42+20.00	-12.50	658.59	658.65
cc	42+30.00	-12.50	658.59	658.67
dd	42+40.00	-12.50	658.59	658.67
ee	42+50.00	-12.50	658.59	658.66
ff	42+60.00	-12.50	658.59	658.64
gg	42+70.00	-12.50	658.59	658.62
hh	42+80.00	-12.50	658.59	658.60
☉ Pier 4	42+90.00	-12.50	658.59	658.59
ii	43+00.00	-12.50	658.59	658.60
jj	43+10.00	-12.50	658.59	658.63
kk	43+20.00	-12.50	658.59	658.65
ll	43+30.00	-12.50	658.59	658.67
mm	43+40.00	-12.50	658.59	658.68
nn	43+50.00	-12.50	658.59	658.66
oo	43+60.00	-12.50	658.59	658.63
☉ Brg. N. Abut.	43+70.00	-12.50	658.59	658.59
Bk. of N. Abut.	43+73.25	-12.50	658.59	658.59

BEAM 2

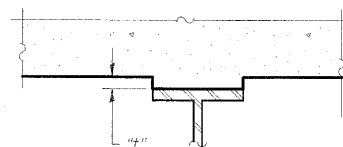
Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of S. Abut.	39+06.75	-7.50	658.69	658.69
☉ Brg. S. Abut.	39+10.00	-7.50	658.69	658.69
a	39+20.00	-7.50	658.69	658.72
b	39+30.00	-7.50	658.69	658.75
c	39+40.00	-7.50	658.69	658.76
d	39+50.00	-7.50	658.69	658.75
e	39+60.00	-7.50	658.69	658.74
f	39+70.00	-7.50	658.69	658.72
g	39+80.00	-7.50	658.69	658.70
☉ Pier 1	39+90.00	-7.50	658.69	658.69
h	40+00.00	-7.50	658.69	658.70
i	40+10.00	-7.50	658.69	658.71
j	40+20.00	-7.50	658.69	658.73
k	40+30.00	-7.50	658.69	658.75
l	40+40.00	-7.50	658.69	658.75
m	40+50.00	-7.50	658.69	658.75
n	40+60.00	-7.50	658.69	658.73
o	40+70.00	-7.50	658.69	658.72
p	40+80.00	-7.50	658.69	658.70
☉ Pier 2	40+90.00	-7.50	658.69	658.69
q	41+00.00	-7.50	658.69	658.69
r	41+10.00	-7.50	658.69	658.72
s	41+20.00	-7.50	658.69	658.74
t	41+30.00	-7.50	658.69	658.75
u	41+40.00	-7.50	658.69	658.76
v	41+50.00	-7.50	658.69	658.75
w	41+60.00	-7.50	658.69	658.74
x	41+70.00	-7.50	658.69	658.72
y	41+80.00	-7.50	658.69	658.70
☉ Pier 3	41+90.00	-7.50	658.69	658.69
z	42+00.00	-7.50	658.69	658.70
aa	42+10.00	-7.50	658.69	658.72
bb	42+20.00	-7.50	658.69	658.73
cc	42+30.00	-7.50	658.69	658.75
dd	42+40.00	-7.50	658.69	658.75
ee	42+50.00	-7.50	658.69	658.75
ff	42+60.00	-7.50	658.69	658.73
gg	42+70.00	-7.50	658.69	658.71
hh	42+80.00	-7.50	658.69	658.70
☉ Pier 4	42+90.00	-7.50	658.69	658.69
ii	43+00.00	-7.50	658.69	658.70
jj	43+10.00	-7.50	658.69	658.72
kk	43+20.00	-7.50	658.69	658.74
ll	43+30.00	-7.50	658.69	658.75
mm	43+40.00	-7.50	658.69	658.76
nn	43+50.00	-7.50	658.69	658.75
oo	43+60.00	-7.50	658.69	658.72
☉ Brg. N. Abut.	43+70.00	-7.50	658.69	658.69
Bk. of N. Abut.	43+73.25	-7.50	658.69	658.69

BEAM 3

Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of S. Abut.	39+06.75	-2.50	658.80	658.80
☉ Brg. S. Abut.	39+10.00	-2.50	658.80	658.80
a	39+20.00	-2.50	658.80	658.83
b	39+30.00	-2.50	658.80	658.85
c	39+40.00	-2.50	658.80	658.86
d	39+50.00	-2.50	658.80	658.86
e	39+60.00	-2.50	658.80	658.84
f	39+70.00	-2.50	658.80	658.82
g	39+80.00	-2.50	658.80	658.81
☉ Pier 1	39+90.00	-2.50	658.80	658.80
h	40+00.00	-2.50	658.80	658.80
i	40+10.00	-2.50	658.80	658.82
j	40+20.00	-2.50	658.80	658.84
k	40+30.00	-2.50	658.80	658.85
l	40+40.00	-2.50	658.80	658.86
m	40+50.00	-2.50	658.80	658.85
n	40+60.00	-2.50	658.80	658.84
o	40+70.00	-2.50	658.80	658.82
p	40+80.00	-2.50	658.80	658.80
☉ Pier 2	40+90.00	-2.50	658.80	658.80
q	41+00.00	-2.50	658.80	658.81
r	41+10.00	-2.50	658.80	658.82
s	41+20.00	-2.50	658.80	658.84
t	41+30.00	-2.50	658.80	658.86
u	41+40.00	-2.50	658.80	658.86
v	41+50.00	-2.50	658.80	658.86
w	41+60.00	-2.50	658.80	658.84
x	41+70.00	-2.50	658.80	658.82
y	41+80.00	-2.50	658.80	658.81
☉ Pier 3	41+90.00	-2.50	658.80	658.80
z	42+00.00	-2.50	658.80	658.80
aa	42+10.00	-2.50	658.80	658.82
bb	42+20.00	-2.50	658.80	658.84
cc	42+30.00	-2.50	658.80	658.85
dd	42+40.00	-2.50	658.80	658.86
ee	42+50.00	-2.50	658.80	658.85
ff	42+60.00	-2.50	658.80	658.84
gg	42+70.00	-2.50	658.80	658.82
hh	42+80.00	-2.50	658.80	658.80
☉ Pier 4	42+90.00	-2.50	658.80	658.80
ii	43+00.00	-2.50	658.80	658.81
jj	43+10.00	-2.50	658.80	658.82
kk	43+20.00	-2.50	658.80	658.84
ll	43+30.00	-2.50	658.80	658.86
mm	43+40.00	-2.50	658.80	658.86
nn	43+50.00	-2.50	658.80	658.85
oo	43+60.00	-2.50	658.80	658.83
☉ Brg. N. Abut.	43+70.00	-2.50	658.80	658.80
Bk. of N. Abut.	43+73.25	-2.50	658.80	658.80

☉ ROADWAY & P.G.

Location	Station	Offset (ft.)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. of S. Abut.	39+06.75	0.00	658.85	658.85
☉ Brg. S. Abut.	39+10.00	0.00	658.85	658.85
a	39+20.00	0.00	658.85	658.88
b	39+30.00	0.00	658.85	658.90
c	39+40.00	0.00	658.85	658.91
d	39+50.00	0.00	658.85	658.91
e	39+60.00	0.00	658.85	658.89
f	39+70.00	0.00	658.85	658.88
g	39+80.00	0.00	658.85	658.86
☉ Pier 1	39+90.00	0.00	658.85	658.85
h	40+00.00	0.00	658.85	658.86
i	40+10.00	0.00	658.85	658.87
j	40+20.00	0.00	658.85	658.89
k	40+30.00	0.00	658.85	658.90
l	40+40.00	0.00	658.85	658.91
m	40+50.00	0.00	658.85	658.90
n	40+60.00	0.00	658.85	658.89
o	40+70.00	0.00	658.85	658.87
p	40+80.00	0.00	658.85	658.86
☉ Pier 2	40+90.00	0.00	658.85	658.85
q	41+00.00	0.00	658.85	658.86
r	41+10.00	0.00	658.85	658.87
s	41+20.00	0.00	658.85	658.89
t	41+30.00	0.00	658.85	658.91
u	41+40.00	0.00	658.85	658.91
v	41+50.00	0.00	658.85	658.91
w	41+60.00	0.00	658.85	658.89
x	41+70.00	0.00	658.85	658.87
y	41+80.00	0.00	658.85	658.86
☉ Pier 3	41+90.00	0.00	658.85	658.85
z	42+00.00	0.00	658.85	658.86
aa	42+10.00	0.00	658.85	658.87
bb	42+20.00	0.00	658.85	658.89
cc	42+30.00	0.00	658.85	658.90
dd	42+40.00	0.00	658.85	658.91
ee	42+50.00	0.00	658.85	658.90
ff	42+60.00	0.00	658.85	658.89
gg	42+70.00	0.00	658.85	658.87
hh	42+80.00	0.00	658.85	658.86
☉ Pier 4	42+90.00	0.00	658.85	658.85
ii	43+00.00	0.00	658.85	658.86
jj	43+10.00	0.00	658.85	658.88
kk	43+20.00	0.00	658.85	658.89
ll	43+30.00	0.00	658.85	658.91
mm	43+40.00	0.00	658.85	658.91
nn	43+50.00	0.00	658.85	658.90
oo	43+60.00	0.00	658.85	658.88
☉ Brg. N. Abut.	43+70.00	0.00	658.85	658.85
Bk. of N. Abut.	43+73.25	0.00	658.85	658.85



To determine "f": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown on sheet 3 of 25. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown above and on sheet 5 of 25, minus slab thickness, equals the fillet heights "f" above top flange of beams.

FILLET HEIGHTS

ESCA
CONSULTANTS, INC.

DESIGNED BY:	FMA/MTD	10/09
DRAWN BY:	DWH/HAS	11/09
CHECKED BY:	MTD	11/09
APPROVED BY:	RDP	05/10

E-S 11/10/09

(Sheet 2 of 3)
TOP OF SLAB ELEVATIONS
STRUCTURE NO. 074-0085

SHEET NO. 4 25 SHEETS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	535	08-00255-00-BR	PIATT	62	28
FED. ROAD DIST. NO.			ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 91436					