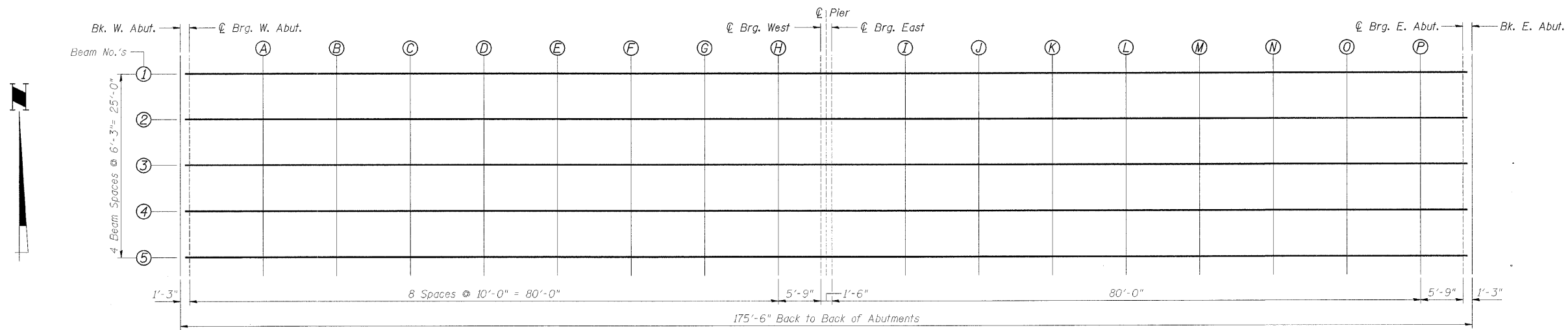


PROJECT NO.	SECTION	COUNTY	SHEETS	SHEET NO.
60	07-00172-00-BR	STEPHENSON	31	12
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT - BRS-60(12)	
Structural Sheet 3 of 14				



PLAN

LEFT EDGE OF DECK

Location	Station	Offset Lt.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back of West Abut.	382+84.25	-15.000	772.727	772.727
⊖ Brg. West Abut.	382+85.50	-15.000	772.730	772.730
A	382+95.50	-15.000	772.744	772.779
B	383+05.50	-15.000	772.749	772.813
C	383+15.50	-15.000	772.750	772.834
D	383+25.50	-15.000	772.750	772.843
E	383+35.50	-15.000	772.750	772.841
F	383+45.50	-15.000	772.750	772.826
G	383+55.50	-15.000	772.750	772.802
H	383+65.50	-15.000	772.750	772.770
⊖ Brg. Pier West	383+71.25	-15.000	772.750	772.750
⊖ Pier	383+72.00	-15.000	772.750	772.750
⊖ Brg. Pier East	383+72.75	-15.000	772.750	772.750
I	383+82.75	-15.000	772.750	772.784
J	383+92.75	-15.000	772.750	772.813
K	384+02.75	-15.000	772.750	772.834
L	384+12.75	-15.000	772.750	772.843
M	384+22.75	-15.000	772.750	772.841
N	384+32.75	-15.000	772.750	772.826
O	384+42.75	-15.000	772.750	772.802
P	384+52.75	-15.000	772.750	772.770
⊖ Brg. East Abut.	384+58.50	-15.000	772.750	772.750
Back of East Abut.	384+59.75	-15.000	772.750	772.750

BEAM 1

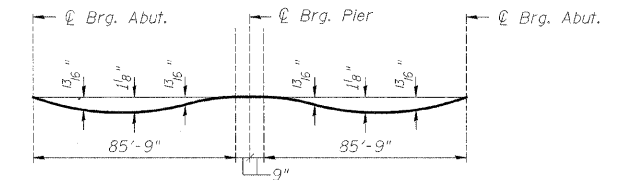
Location	Station	Offset Lt.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back of West Abut.	382+84.25	12.5	772.780	772.780
⊖ Brg. West Abut.	382+85.50	12.5	772.782	772.782
A	382+95.50	12.5	772.796	772.831
B	383+05.50	12.5	772.802	772.865
C	383+15.50	12.5	772.802	772.886
D	383+25.50	12.5	772.802	772.895
E	383+35.50	12.5	772.802	772.893
F	383+45.50	12.5	772.802	772.878
G	383+55.50	12.5	772.802	772.854
H	383+65.50	12.5	772.802	772.822
⊖ Brg. Pier West	383+71.25	12.5	772.802	772.802
⊖ Pier	383+72.00	12.5	772.802	772.802
⊖ Brg. Pier East	383+72.75	12.5	772.802	772.802
I	383+82.75	12.5	772.802	772.836
J	383+92.75	12.5	772.802	772.866
K	384+02.75	12.5	772.802	772.886
L	384+12.75	12.5	772.802	772.895
M	384+22.75	12.5	772.802	772.893
N	384+32.75	12.5	772.802	772.878
O	384+42.75	12.5	772.802	772.854
P	384+52.75	12.5	772.802	772.822
⊖ Brg. East Abut.	384+58.50	12.5	772.802	772.802
Back of East Abut.	384+59.75	12.5	772.802	772.802

BEAM 2

Location	Station	Offset Lt.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back of West Abut.	382+84.25	6.25	772.880	772.880
⊖ Brg. West Abut.	382+85.50	6.25	772.882	772.882
A	382+95.50	6.25	772.897	772.931
B	383+05.50	6.25	772.902	772.966
C	383+15.50	6.25	772.902	772.986
D	383+25.50	6.25	772.902	772.996
E	383+35.50	6.25	772.902	772.993
F	383+45.50	6.25	772.902	772.979
G	383+55.50	6.25	772.902	772.954
H	383+65.50	6.25	772.902	772.922
⊖ Brg. Pier West	383+71.25	6.25	772.902	772.902
⊖ Pier	383+72.00	6.25	772.902	772.902
⊖ Brg. Pier East	383+72.75	6.25	772.902	772.902
I	383+82.75	6.25	772.902	772.937
J	383+92.75	6.25	772.902	772.966
K	384+02.75	6.25	772.902	772.986
L	384+12.75	6.25	772.902	772.996
M	384+22.75	6.25	772.902	772.993
N	384+32.75	6.25	772.902	772.979
O	384+42.75	6.25	772.902	772.954
P	384+52.75	6.25	772.902	772.922
⊖ Brg. East Abut.	384+58.50	6.25	772.902	772.902
Back of East Abut.	384+59.75	6.25	772.902	772.902

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back of West Abut.	382+84.25	0.00	772.977	772.977
⊖ Brg. West Abut.	382+85.50	0.00	772.980	772.980
A	382+95.50	0.00	772.994	773.029
B	383+05.50	0.00	772.999	773.063
C	383+15.50	0.00	773.000	773.084
D	383+25.50	0.00	773.000	773.093
E	383+35.50	0.00	773.000	773.091
F	383+45.50	0.00	773.000	773.076
G	383+55.50	0.00	773.000	773.052
H	383+65.50	0.00	773.000	773.020
⊖ Brg. Pier West	383+71.25	0.00	773.000	773.000
⊖ Pier	383+72.00	0.00	773.000	773.000
⊖ Brg. Pier East	383+72.75	0.00	773.000	773.000
I	383+82.75	0.00	773.000	773.034
J	383+92.75	0.00	773.000	773.063
K	384+02.75	0.00	773.000	773.084
L	384+12.75	0.00	773.000	773.093
M	384+22.75	0.00	773.000	773.091
N	384+32.75	0.00	773.000	773.076
O	384+42.75	0.00	773.000	773.052
P	384+52.75	0.00	773.000	773.020
⊖ Brg. East Abut.	384+58.50	0.00	773.000	773.000
Back of East Abut.	384+59.75	0.00	773.000	773.000



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 grade elevations adjusted for dead load deflections as shown on this sheet.

BEAM 4

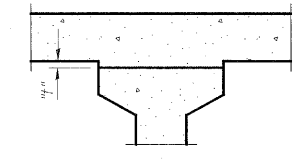
Location	Station	Offset Rt.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back of West Abut.	382+84.25	6.250	772.880	772.880
⊖ Brg. West Abut.	382+85.50	6.250	772.882	772.882
A	382+95.50	6.250	772.897	772.931
B	383+05.50	6.250	772.902	772.966
C	383+15.50	6.250	772.902	772.986
D	383+25.50	6.250	772.902	772.996
E	383+35.50	6.250	772.902	772.993
F	383+45.50	6.250	772.902	772.979
G	383+55.50	6.250	772.902	772.954
H	383+65.50	6.250	772.902	772.922
⊖ Brg. Pier West	383+71.25	6.250	772.902	772.902
⊖ Pier	383+72.00	6.250	772.902	772.902
⊖ Brg. Pier East	383+72.75	6.250	772.902	772.902
I	383+82.75	6.250	772.902	772.937
J	383+92.75	6.250	772.902	772.966
K	384+02.75	6.250	772.902	772.986
L	384+12.75	6.250	772.902	772.996
M	384+22.75	6.250	772.902	772.993
N	384+32.75	6.250	772.902	772.979
O	384+42.75	6.250	772.902	772.954
P	384+52.75	6.250	772.902	772.922
⊖ Brg. East Abut.	384+58.50	6.250	772.902	772.902
Back of East Abut.	384+59.75	6.250	772.902	772.902

BEAM 5

Location	Station	Offset Rt.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back of West Abut.	382+84.25	12.500	772.780	772.780
⊖ Brg. West Abut.	382+85.50	12.500	772.782	772.782
A	382+95.50	12.500	772.796	772.831
B	383+05.50	12.500	772.802	772.865
C	383+15.50	12.500	772.802	772.886
D	383+25.50	12.500	772.802	772.895
E	383+35.50	12.500	772.802	772.893
F	383+45.50	12.500	772.802	772.878
G	383+55.50	12.500	772.802	772.854
H	383+65.50	12.500	772.802	772.822
⊖ Brg. Pier West	383+71.25	12.500	772.802	772.802
⊖ Pier	383+72.00	12.500	772.802	772.802
⊖ Brg. Pier East	383+72.75	12.500	772.802	772.802
I	383+82.75	12.500	772.802	772.836
J	383+92.75	12.500	772.802	772.866
K	384+02.75	12.500	772.802	772.886
L	384+12.75	12.500	772.802	772.895
M	384+22.75	12.500	772.802	772.893
N	384+32.75	12.500	772.802	772.878
O	384+42.75	12.500	772.802	772.854
P	384+52.75	12.500	772.802	772.822
⊖ Brg. East Abut.	384+58.50	12.500	772.802	772.802
Back of East Abut.	384+59.75	12.500	772.802	772.802

RIGHT EDGE OF DECK

Location	Station	Offset Rt.	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back of West Abut.	382+84.25	15.000	772.727	772.727
⊖ Brg. West Abut.	382+85.50	15.000	772.730	772.730
A	382+95.50	15.000	772.744	772.779
B	383+05.50	15.000	772.749	772.813
C	383+15.50	15.000	772.750	772.834
D	383+25.50	15.000	772.750	772.843
E	383+35.50	15.000	772.750	772.841
F	383+45.50	15.000	772.750	772.826
G	383+55.50	15.000	772.750	772.802
H	383+65.50	15.000	772.750	772.770
⊖ Brg. Pier West	383+71.25	15.000	772.750	772.750
⊖ Pier	383+72.00	15.000	772.750	772.750
⊖ Brg. Pier East	383+72.75	15.000	772.750	772.750
I	383+82.75	15.000	772.750	772.784
J	383+92.75	15.000	772.750	772.813
K	384+02.75	15.000	772.750	772.834
L	384+12.75	15.000	772.750	772.843
M	384+22.75	15.000	772.750	772.841
N	384+32.75	15.000	772.750	772.826
O	384+42.75	15.000	772.750	772.802
P	384+52.75	15.000	772.750	772.770
⊖ Brg. East Abut.	384+58.50	15.000	772.750	772.750
Back of East Abut.	384+59.75	15.000	772.750	772.750



FILLET HEIGHTS

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. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflections", minus slab thickness, equals the fillet heights "f" above top flanges of beams.

TOP OF SLAB ELEVATIONS
CEDARVILLE ROAD (FAS 60) OVER RICHLAND CREEK
STA. 383+72 (S.N. 089-3282)
SECTION 07-00172-00-BR
STEPHENSON COUNTY
WHA #1106D07