

ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET NO.
5154	04-00343-00-BR	WINNEBAGO	92	26
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-BRM-5099(T5)		

Structural Sheet 2A of 22A

PLAN

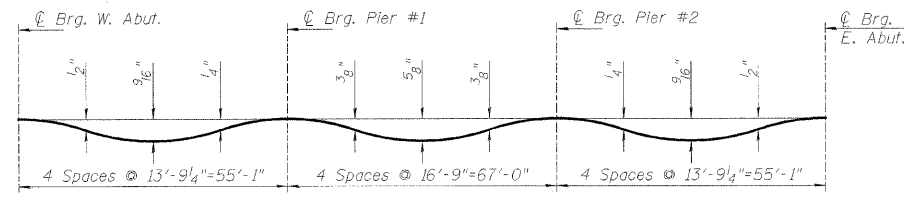
BEAM 1

BEAM 2

BEAM 3

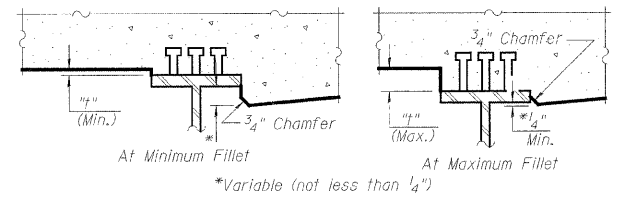
ROADWAY & P.G.L.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection	Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection	Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection	Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. W. Abut.	147+13.826	-15.000	731.749	731.749	Bk. W. Abut.	147+18.525	-9.000	731.901	731.901	Bk. W. Abut.	147+23.224	-3.000	732.037	732.037	Bk. W. Abut.	147+25.573	0.000	732.105	732.105
⊕ Brg. W. Abut.	147+17.670	-15.000	731.788	731.788	⊕ Brg. W. Abut.	147+22.369	-9.000	731.939	731.939	⊕ Brg. W. Abut.	147+27.068	-3.000	732.074	732.074	⊕ Brg. W. Abut.	147+29.417	0.000	732.141	732.141
A	147+27.670	-15.000	731.885	731.916	A	147+32.369	-9.000	732.034	732.065	A	147+37.068	-3.000	732.167	732.198	A	147+39.417	0.000	732.233	732.265
B	147+37.670	-15.000	731.977	732.027	B	147+42.369	-9.000	732.124	732.174	B	147+47.068	-3.000	732.255	732.305	B	147+49.417	0.000	732.320	732.370
C	147+47.670	-15.000	732.065	732.112	C	147+52.369	-9.000	732.210	732.257	C	147+57.068	-3.000	732.339	732.386	C	147+59.417	0.000	732.403	732.450
D	147+57.670	-15.000	732.149	732.176	D	147+62.369	-9.000	732.292	732.318	D	147+67.068	-3.000	732.418	732.445	D	147+69.417	0.000	732.481	732.508
E	147+67.670	-15.000	732.228	732.232	E	147+72.369	-9.000	732.368	732.373	E	147+77.068	-3.000	732.493	732.497	E	147+79.417	0.000	732.555	732.559
⊕ Brg. Pier #1	147+72.753	-15.000	732.266	732.266	⊕ Brg. Pier #1	147+77.452	-9.000	732.406	732.406	⊕ Brg. Pier #1	147+82.151	-3.000	732.529	732.529	⊕ Brg. Pier #1	147+84.500	0.000	732.591	732.591
F	147+82.753	-15.000	732.338	732.351	F	147+87.452	-9.000	732.476	732.489	F	147+92.151	-3.000	732.597	732.610	F	147+94.500	0.000	732.657	732.670
G	147+92.753	-15.000	732.406	732.442	G	147+97.452	-9.000	732.541	732.577	G	148+02.151	-3.000	732.661	732.697	G	148+04.500	0.000	732.720	732.756
H	148+02.753	-15.000	732.469	732.520	H	148+07.452	-9.000	732.602	732.653	H	148+12.151	-3.000	732.719	732.770	H	148+14.500	0.000	732.778	732.828
I	148+12.753	-15.000	732.528	732.576	I	148+17.452	-9.000	732.659	732.707	I	148+22.151	-3.000	732.774	732.822	I	148+24.500	0.000	732.831	732.879
J	148+22.753	-15.000	732.582	732.611	J	148+27.452	-9.000	732.711	732.740	J	148+32.151	-3.000	732.824	732.853	J	148+34.500	0.000	732.880	732.909
K	148+32.753	-15.000	732.631	732.638	K	148+37.452	-9.000	732.758	732.765	K	148+42.151	-3.000	732.869	732.876	K	148+44.500	0.000	732.924	732.931
⊕ Brg. Pier #2	148+39.753	-15.000	732.663	732.663	⊕ Brg. Pier #2	148+44.452	-9.000	732.789	732.789	⊕ Brg. Pier #2	148+49.151	-3.000	732.898	732.898	⊕ Brg. Pier #2	148+51.500	0.000	732.952	732.952
L	148+49.753	-15.000	732.705	732.719	L	148+54.452	-9.000	732.828	732.843	L	148+59.151	-3.000	732.936	732.950	L	148+61.500	0.000	732.989	733.003
M	148+59.753	-15.000	732.743	732.780	M	148+64.452	-9.000	732.864	732.901	M	148+69.151	-3.000	732.969	733.006	M	148+71.500	0.000	733.021	733.059
N	148+69.753	-15.000	732.775	732.826	N	148+74.452	-9.000	732.894	732.945	N	148+79.151	-3.000	732.997	733.048	N	148+81.500	0.000	733.048	733.099
O	148+79.753	-15.000	732.804	732.847	O	148+84.452	-9.000	732.921	732.963	O	148+89.151	-3.000	733.021	733.064	O	148+91.500	0.000	733.071	733.114
P	148+89.753	-15.000	732.828	732.844	P	148+94.452	-9.000	732.942	732.959	P	148+99.151	-3.000	733.041	733.058	P	149+01.500	0.000	733.090	733.107
⊕ Brg. E. Abut.	148+94.837	-15.000	732.838	732.838	⊕ Brg. E. Abut.	148+99.536	-9.000	732.951	732.951	⊕ Brg. E. Abut.	149+04.235	-3.000	733.049	733.049	⊕ Brg. E. Abut.	149+06.584	0.000	733.097	733.097
Bk. E. Abut.	148+98.681	-15.000	732.845	732.845	Bk. E. Abut.	149+03.380	-9.000	732.958	732.958	Bk. E. Abut.	149+08.079	-3.000	733.054	733.054	Bk. E. Abut.	149+10.428	0.000	733.102	733.102



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 above.



FILLET HEIGHTS

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

**TOP OF SLAB ELEVATIONS
 BELTLINE ROAD OVER ILLINOIS RAILNET
 FAU ROUTE 5154 SECTION 04-00343-00-BR
 WINNEBAGO COUNTY
 STA. 148+18.00 (S.N. 101-0172)**