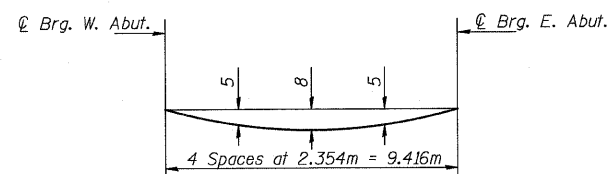


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 303 IL 173	2010-086-F	LAKE	29	5
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

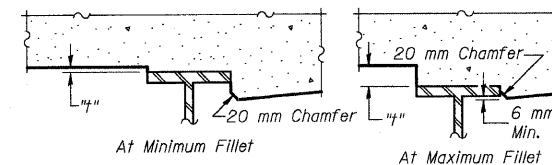
SHEET NO. 3
17 SHEETS



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 below and on Sheet 4 of 17.



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown on Sheet 4 of 17. These elevations subtracted from the "Theoretical Grade Elevations Adjusted For Dead Load Deflection" shown below and on Sheet 4 of 17, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS

GIRDER 1

Location	Station	Offset (m)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back West Abut.	25+093.827	-5.567	227.991	227.991
☉ West Abut.	25+093.982	-5.569	227.989	227.989
C	25+097.038	-5.597	227.963	227.969
D	25+100.093	-5.595	227.939	227.946
☉ East Abut.	25+103.572	-5.557	227.914	227.914
Back East Abut.	25+103.727	-5.555	227.913	227.913

GIRDER 2

Location	Station	Offset (m)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back West Abut.	25+093.701	-3.205	228.188	228.188
☉ West Abut.	25+093.854	-3.207	228.186	228.186
C	25+096.886	-3.236	228.160	228.166
D	25+099.918	-3.236	228.136	228.143
☉ East Abut.	25+103.370	-3.200	228.112	228.112
Back East Abut.	25+103.527	-3.198	228.111	228.111

GIRDER 3

Location	Station	Offset (m)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back West Abut.	25+093.576	-0.842	228.385	228.385
☉ West Abut.	25+093.729	-0.845	228.383	228.383
C	25+096.737	-0.876	228.357	228.363
D	25+099.746	-0.877	228.333	228.340
☉ East Abut.	25+103.171	-0.843	228.309	228.309
Back East Abut.	25+103.323	-0.841	228.308	228.308

☉ IL. Rte. 173 and P.G.L.

Location	Station	Offset (m)	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Back West Abut.	25+093.532	0.000	228.455	228.455
☉ West Abut.	25+093.684	0.000	228.454	228.454
C	25+096.682	0.000	228.430	228.436
D	25+099.682	0.000	228.406	228.413
☉ East Abut.	25+103.101	0.000	228.379	228.379
Back East Abut.	25+103.253	0.000	228.378	228.378

NOTES

For Plan View, ☉ Structure, Stage Construction Line and Girders 4 thru 6, See Sheet 4.
All dimensions are in millimeters (mm) except as noted.

TOP OF SLAB ELEVATIONS-1
FAP 303 IL. ROUTE 173
OVER WEST BOAT CHANNEL
SECTION 2010-086-F
LAKE COUNTY
STATION 25+098.390
STRUCTURE NO. 049-0055

DESIGNED	PAT2
CHECKED	RCJ/JRF
DRAWN	RDS
CHECKED	PAT2

