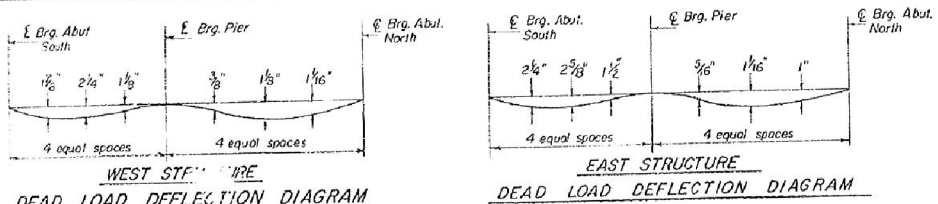


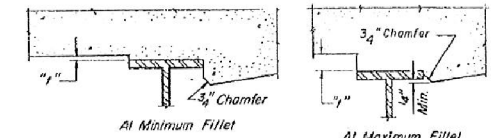
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAI 74	W	TAZEWELL	30	37
STA.	TO STA.			
	ILLINOIS			
*90-15-1, 15-1HB, 15 W1-1				
SHEET 7 OF 22				



WEST STRUCTURE
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.

EAST STRUCTURE
DEAD LOAD DEFLECTION DIAGRAM



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

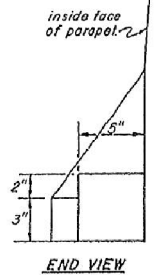
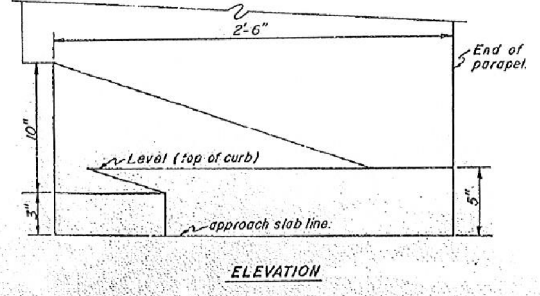
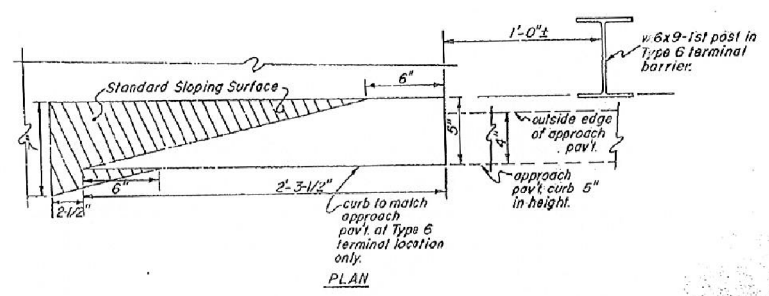
FILLET HEIGHTS

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
GRDR 1	3743.171	43.583	741.328	741.350
GRDR 2	3742.553	35.417	741.502	741.524
GRDR 3	3741.934	27.250	741.636	741.658
GRDR 4	3741.315	19.083	741.770	741.792
GRDR 5	3740.697	10.917	741.904	741.926
GRDR 6	3740.078	2.750	742.038	742.060
GRDR 7	3739.459	-0.000	742.172	742.194
GRDR 8	3738.840	-8.167	742.306	742.328
GRDR 9	3738.221	-16.333	742.440	742.462
GRDR 10	3737.602	-24.500	742.574	742.596
GRDR 11	3736.983	-32.667	742.708	742.730
GRDR 12	3736.364	-40.833	742.842	742.864
GRDR 13	3735.745	-49.000	742.976	743.000
GRDR 14	3735.126	-57.167	743.110	743.132

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
GRDR 1	3748.155	43.583	741.293	741.293
GRDR 2	3747.701	35.417	741.566	741.466
GRDR 3	3747.246	27.250	741.599	741.599
GRDR 4	3746.791	19.083	741.667	741.667
GRDR 5	3746.336	10.917	741.730	741.730
GRDR 6	3745.881	2.750	741.864	741.864
GRDR 7	3745.426	-0.000	741.998	741.998
GRDR 8	3744.971	-8.167	742.132	742.132
GRDR 9	3744.516	-16.333	742.266	742.266
GRDR 10	3744.061	-24.500	742.400	742.400
GRDR 11	3743.606	-32.667	742.534	742.534
GRDR 12	3743.151	-40.833	742.668	742.668
GRDR 13	3742.696	-49.000	742.802	742.802
GRDR 14	3742.241	-57.167	742.936	742.936

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
GRDR 1	3759.155	43.583	741.210	741.210
GRDR 2	3758.701	35.417	741.384	741.384
GRDR 3	3758.246	27.250	741.517	741.517
GRDR 4	3757.791	19.083	741.585	741.585
GRDR 5	3757.336	10.917	741.648	741.648
GRDR 6	3756.881	2.750	741.718	741.718
GRDR 7	3756.426	-0.000	741.779	741.779
GRDR 8	3755.971	-8.167	741.842	741.842
GRDR 9	3755.516	-16.333	741.905	741.905
GRDR 10	3755.061	-24.500	741.968	741.968
GRDR 11	3754.606	-32.667	742.031	742.031
GRDR 12	3754.151	-40.833	742.094	742.094
GRDR 13	3753.696	-49.000	742.157	742.157
GRDR 14	3753.241	-57.167	742.220	742.220

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
GRDR 1	3772.197	43.583	741.100	741.100
GRDR 2	3771.743	35.417	741.274	741.274
GRDR 3	3771.288	27.250	741.408	741.408
GRDR 4	3770.834	19.083	741.542	741.542
GRDR 5	3770.379	10.917	741.676	741.676
GRDR 6	3769.925	2.750	741.810	741.810
GRDR 7	3769.471	-0.000	741.944	741.944
GRDR 8	3769.017	-8.167	742.078	742.078
GRDR 9	3768.563	-16.333	742.212	742.212
GRDR 10	3768.109	-24.500	742.346	742.346
GRDR 11	3767.655	-32.667	742.480	742.480
GRDR 12	3767.201	-40.833	742.614	742.614
GRDR 13	3766.747	-49.000	742.748	742.748
GRDR 14	3766.293	-57.167	742.882	742.882



TOP OF SLAB ELEVATIONS	
FAI 74 & FAU 6729	SECTION (90-15-1, 15-1HB, 15W1-1)
TAZEWELL COUNTY	STATION 36+49.87

DESIGNED L.L. VIELEY
CHECKED
DRAWN C.D. SNEEDEN
CHECKED L.L.V.
E-S 6-1-82

R.A.N. CONSULTANTS INC.

BRUSH BLOCK / APPROACH SHOULDER CURB DETAIL
SCALE 3/16" = 1'-0"

FAI 74 (I-74) / FAU 6729 (MORTON AVE.)

FOR INFORMATION ONLY

benesch
engineers · scientists · planners
Alfred Benesch & Company
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10056

FILE NAME =	USER NAME = mbecker	DESIGNED - JDC	REVISIONS -
0900141.68620.20.ex15t6.dgn		CHECKED - MRB	REVISIONS -
		DRAWN - PRT	REVISIONS -
		CHECKED - MRB	REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 090-0141
SHEET NO. SD20 OF SD29 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90-[14R(14HB-4,14,14HB)/BR]	TAZEWELL	2433	2059
CONTRACT NO. 68620				
ILLINOIS FED. AID PROJECT				

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