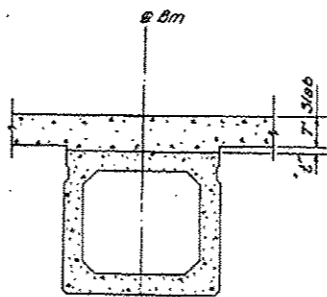


STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
101B-1	WHITESIDE	51	14	10

Beam	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
<i>Bk. N. Abut</i>				
7778.000	21.000		645.137	645.137
7790.152	10.000		645.301	645.301
7801.291	9.000		645.455	645.455
7812.431	3.000		645.551	645.551
7818.010	0.000		645.574	645.574
7828.282	3.000		645.581	645.581
7834.725	9.000		645.546	645.546
7845.868	18.000		645.454	645.454
7857.011	21.000		645.321	645.321
<i>E. Brg N. Abut</i>				
7884.106	21.000		645.155	645.155
7890.248	15.000		645.318	645.318
7906.390	3.000		645.470	645.470
7917.536	3.000		645.565	645.565
7925.102	0.000		645.588	645.588
7928.679	3.000		645.594	645.594
7939.822	9.000		645.528	645.528
7950.965	15.000		645.485	645.485
7962.109	21.000		645.360	645.360
<i>E. Brg S. Abut</i>				
7994.106	21.000		645.190	645.200
8000.248	15.000		645.350	645.360
8016.390	3.000		645.502	645.512
8027.536	3.000		645.591	645.600
8033.100	0.000		645.613	645.626
8038.679	3.000		645.619	645.637
8049.822	9.000		645.579	645.593
8060.965	15.000		645.483	645.497
8072.109	21.000		645.370	645.389
<i>Bk. N. Abut</i>				
8094.106	21.000		645.221	645.243
8105.248	15.000		645.379	645.400
8126.390	3.000		645.525	645.547
8137.536	3.000		645.615	645.637
8143.100	0.000		645.636	645.657
8148.679	3.000		645.640	645.661
8159.822	9.000		645.598	645.620
8170.965	15.000		645.502	645.520
8182.109	21.000		645.390	645.411
<i>E. Brg S. Abut</i>				
8204.106	21.000		645.251	645.274
8215.248	15.000		645.400	645.423
8236.390	3.000		645.550	645.574
8247.536	3.000		645.632	645.651
8253.100	0.000		645.656	645.679
8258.679	3.000		645.658	645.682
8269.822	9.000		645.615	645.638
8280.965	15.000		645.519	645.537
8292.109	21.000		645.401	645.423
<i>Bk. N. Abut</i>				
8314.106	21.000		645.278	645.296
8325.248	15.000		645.431	645.453
8346.390	3.000		645.572	645.591
8357.536	3.000		645.657	645.675
8363.100	0.000		645.674	645.692
8368.679	3.000		645.675	645.694
8379.822	9.000		645.628	645.647
8390.965	15.000		645.528	645.543
8402.109	21.000		645.410	645.429
<i>E. Brg S. Abut</i>				
8424.106	21.000		645.312	645.312
8435.248	15.000		645.461	645.461
8456.390	3.000		645.579	645.579
8467.536	3.000		645.680	645.680
8473.100	0.000		645.685	645.685
8478.679	3.000		645.685	645.685
8489.822	9.000		645.645	645.645
8500.965	15.000		645.537	645.537
8512.109	21.000		645.419	645.419
<i>Bk. N. Abut</i>				
8534.106	21.000		645.322	645.322
8545.248	15.000		645.470	645.470
8566.390	3.000		645.607	645.607
8577.536	3.000		645.686	645.686
8583.100	0.000		645.702	645.702
8588.679	3.000		645.700	645.700
8599.822	9.000		645.649	645.649
8610.965	15.000		645.540	645.540
8622.109	21.000		645.421	645.421



METHOD OF DETERMINING FILLET HEIGHTS "e"
After all prestressed beams have been erected, center line top of beam elevations shall be taken of the stations shown in the chart. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection", minus the slab thickness, equals the fillet heights above top of beams.

Station	Offset	Ground Surface	Surface Water El.	Groundwater El. at Completion	After Hours	Remarks
7778.000	21.000	639.2				Augered 4' to meet Auger Boring on Levee - west side of canal.
7828.282	3.000	-5				Very loose, black, silty sand
7834.725	9.000	-6				Loose, Dark Gray, Fine Sand up to 2" soft clay, clay, silt, silt
7845.868	18.000	-10				Medium Gray, Sand and Gravel
7857.011	21.000	-21				Same as above
7884.106	21.000	-21				Same as above
7890.248	15.000	-13				Same as above
7906.390	3.000	-25				Same as above
7917.536	3.000	-23				Same as above
7925.102	0.000	-21				Same as above
7928.679	3.000	-20				Same as above
7939.822	9.000	-20				Same as above
7950.965	15.000	-19				Same as above
7962.109	21.000	-19				Same as above
8000.248	15.000	-23				Same as above
8016.390	3.000	-20				Same as above
8027.536	3.000	-20				Same as above
8033.100	0.000	-20				Same as above
8038.679	3.000	-20				Same as above
8049.822	9.000	-20				Same as above
8060.965	15.000	-20				Same as above
8072.109	21.000	-20				Same as above
8094.106	21.000	-20				Same as above
8105.248	15.000	-20				Same as above
8126.390	3.000	-20				Same as above
8137.536	3.000	-20				Same as above
8143.100	0.000	-20				Same as above
8148.679	3.000	-20				Same as above
8159.822	9.000	-20				Same as above
8170.965	15.000	-20				Same as above
8182.109	21.000	-20				Same as above
8204.106	21.000	-20				Same as above
8215.248	15.000	-20				Same as above
8236.390	3.000	-20				Same as above
8247.536	3.000	-20				Same as above
8253.100	0.000	-20				Same as above
8258.679	3.000	-20				Same as above
8269.822	9.000	-20				Same as above
8280.965	15.000	-20				Same as above
8292.109	21.000	-20				Same as above
8314.106	21.000	-20				Same as above
8325.248	15.000	-20				Same as above
8346.390	3.000	-20				Same as above
8357.536	3.000	-20				Same as above
8363.100	0.000	-20				Same as above
8368.679	3.000	-20				Same as above
8379.822	9.000	-20				Same as above
8390.965	15.000	-20				Same as above
8402.109	21.000	-20				Same as above
8424.106	21.000	-20				Same as above
8435.248	15.000	-20				Same as above
8456.390	3.000	-20				Same as above
8467.536	3.000	-20				Same as above
8473.100	0.000	-20				Same as above
8478.679	3.000	-20				Same as above
8489.822	9.000	-20				Same as above
8500.965	15.000	-20				Same as above
8512.109	21.000	-20				Same as above
8534.106	21.000	-20				Same as above
8545.248	15.000	-20				Same as above
8566.390	3.000	-20				Same as above
8577.536	3.000	-20				Same as above
8583.100	0.000	-20				Same as above
8588.679	3.000	-20				Same as above
8599.822	9.000	-20				Same as above
8610.965	15.000	-20				Same as above
8622.109	21.000	-20				Same as above

DESIGNED *Walter Perry*
CHECKED *W.P.*
DRAWN *W.P.*
CHECKED *W.P.*

EXAMINED *W.P.* Jan 31 1964
PASSED *W.P.*
APPROVED *W.P.*

N - Standard Penetration Test - Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with 160# hammer falling 30".
C_u - Unconfined Compressive Strength - 1/4"
w - Water Content - percentage of oven dry weight - %
Type Failure
B - Bulge Failure
S - Shear Failure
E - Estimated Value

DECK ELEVATIONS & BORINGS
SBI RT 88 SEC. 101B-1
WHITESIDE COUNTY
STATION 78+50

FOR INFORMATION ONLY