ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 80/94	2626.2-11-2	LAKE COUNTY, INDIANA	452	242
		ILLINOIS FED. AID PROJECT-		

SHEET NO. S-10
72 SHEETS

CONTRACT NO. 62113 INDOT DES. NO. 0100987

GIRDER 1

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	ELEVATION ADJUSTED FOR DEAD LOAD DEFLECTION
Back of W Abut	8+437.608	25.375	192.255	192.255
CL Brg W Abut	8+438.768	25.375	192.263	192.263
A	8+441.768	25.375	192.285	192.291
B	8+444.768	25.375	192.305	192.317
C	8+447.768	25.375	192.324	192.340
D	8+450.768	25.375	192.343	192.359
E	8+453.768	25.375	192.360	192.378
F	8+456.768	25.375	192.377	192.391
G	8+459.768	25.375	192.393	192.402
H	8+462.768	25.375	192.408	192.414
I	8+465.768	25.375	192.422	192.425
CL Pier 1	8+468.768	25.375	192.435	192.435
J	8+471.768	25.375	192.447	192.452
K	8+474.768	25.375	192.458	192.469
L	8+477.768	25.375	192.469	192.485
M	8+480.768	25.375	192.478	192.499
N	8+483.768	25.375	192.487	192.511
O	8+486.768	25.375	192.495	192.523
P	8+489.768	25.375	192.501	192.529
Q	8+492.768	25.375	192.507	192.531
R	8+495.768	25.375	192.512	192.533
S	8+498.768	25.375	192.516	192.532
T	8+501.768	25.375	192.520	192.529
U	8+504.768	25.375	192.522	192.526
CL Pier 2	8+506.768	25.375	192.523	192.523
V	8+509.768	25.375	192.524	192.524
W	8+512.768	25.375	192.524	192.525
X	8+515.768	25.375	192.523	192.526
Y	8+518.768	25.375	192.521	192.526
Z	8+521.768	25.375	192.518	192.524
AA	8+524.768	25.375	192.515	192.520
AB	8+527.768	25.375	192.510	192.515
AC	8+530.768	25.375	192.505	192.506
CL W Brg Pier 3	8+532.917	25.375	192.500	192.500
CL Pier 3	8+533.236	25.375	192.499	192.499

GIRDER 2

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	ELEVATION ADJUSTED FOR DEAD LOAD DEFLECTION
Back of W Abut	8+436.285	23.485	192.198	192.198
CL Brg W Abut	8+437.445	23.485	192.207	192.207
A	8+440.445	23.485	192.228	192.234
B	8+443.445	23.485	192.249	192.261
C	8+446.445	23.485	192.269	192.284
D	8+449.445	23.485	192.287	192.304
E	8+452.445	23.485	192.305	192.323
F	8+455.445	23.485	192.323	192.336
G	8+458.445	23.485	192.339	192.348
H	8+461.445	23.485	192.354	192.360
I	8+464.445	23.485	192.368	192.371
CL Pier 1	8+467.445	23.485	192.382	192.382
J	8+470.445	23.485	192.395	192.400
K	8+473.445	23.485	192.406	192.417
L	8+476.445	23.485	192.417	192.433
M	8+479.445	23.485	192.427	192.447
N	8+482.445	23.485	192.436	192.460
O	8+485.445	23.485	192.444	192.472
P	8+488.445	23.485	192.451	192.478
Q	8+491.445	23.485	192.458	192.481
R	8+494.445	23.485	192.463	192.483
S	8+497.445	23.485	192.467	192.483
T	8+500.445	23.485	192.471	192.481
U	8+503.445	23.485	192.474	192.478
CL Pier 2	8+505.445	23.485	192.475	192.475
V	8+508.445	23.485	192.476	192.477
W	8+511.445	23.485	192.477	192.478
X	8+514.445	23.485	192.476	192.480
Y	8+517.445	23.485	192.475	192.481
Z	8+520.445	23.485	192.472	192.480
AA	8+523.445	23.485	192.469	192.476
AB	8+526.445	23.485	192.465	192.471
AC	8+529.445	23.485	192.460	192.463
CL W Brg Pier 3	8+532.229	23.485	192.454	192.454
CL Pier 3	8+532.548	23.485	192.454	192.454

GIRDER 3

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	ELEVATION ADJUSTED FOR DEAD LOAD DEFLECTION
Back of W Abut	8+434.961	21.595	192.141	192.141
CL Brg W Abut	8+436.121	21.595	192.149	192.149
A	8+439.121	21.595	192.171	192.178
B	8+442.121	21.595	192.193	192.205
C	8+445.121	21.595	192.213	192.229
D	8+448.121	21.595	192.232	192.249
E	8+451.121	21.595	192.250	192.268
F	8+454.121	21.595	192.268	192.282
G	8+457.121	21.595	192.284	192.294
H	8+460.121	21.595	192.300	192.306
I	8+463.121	21.595	192.315	192.318
CL Pier 1	8+466.121	21.595	192.329	192.329
J	8+469.121	21.595	192.342	192.347
K	8+472.121	21.595	192.354	192.364
L	8+475.121	21.595	192.365	192.381
M	8+478.121	21.595	192.375	192.395
N	8+481.121	21.595	192.385	192.408
O	8+484.121	21.595	192.393	192.421
P	8+487.121	21.595	192.401	192.427
Q	8+490.121	21.595	192.408	192.430
R	8+493.121	21.595	192.413	192.433
S	8+496.121	21.595	192.418	192.433
T	8+499.121	21.595	192.422	192.431
U	8+502.121	21.595	192.425	192.429
CL Pier 2	8+504.121	21.595	192.427	192.427
V	8+507.121	21.595	192.429	192.430
W	8+510.121	21.595	192.429	192.432
X	8+513.121	21.595	192.429	192.434
Y	8+516.121	21.595	192.428	192.436
Z	8+519.121	21.595	192.426	192.435
AA	8+522.121	21.595	192.423	192.432
AB	8+525.121	21.595	192.420	192.427
AC	8+528.121	21.595	192.415	192.419
CL W Brg Pier 3	8+531.541	21.595	192.408	192.408
CL Pier 3	8+531.860	21.595	192.408	192.408

GIRDER 4

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATION	ELEVATION ADJUSTED FOR DEAD LOAD DEFLECTION
Back of W Abut	8+433.638	19.705	192.083	192.083
CL Brg W Abut	8+434.798	19.705	192.092	192.092
A	8+437.798	19.705	192.115	192.121
B	8+440.798	19.705	192.136	192.148
C	8+443.798	19.705	192.157	192.173
D	8+446.798	19.705	192.176	192.193
E	8+449.798	19.705	192.195	192.213
F	8+452.798	19.705	192.213	192.227
G	8+455.798	19.705	192.230	192.240
H	8+458.798	19.705	192.246	192.252
I	8+461.798	19.705	192.261	192.264
CL Pier 1	8+464.798	19.705	192.276	192.276
J	8+467.798	19.705	192.289	192.294
K	8+470.798	19.705	192.301	192.312
L	8+473.798	19.705	192.313	192.329
M	8+476.798	19.705	192.324	192.343
N	8+479.798	19.705	192.334	192.357
O	8+482.798	19.705	192.342	192.369
P	8+485.798	19.705	192.350	192.376
Q	8+488.798	19.705	192.358	192.380
R	8+491.798	19.705	192.364	192.382
S	8+494.798	19.705	192.369	192.383
T	8+497.798	19.705	192.373	192.382
U	8+500.798	19.705	192.377	192.381
CL Pier 2	8+502.798	19.705	192.379	192.379
V	8+505.798	19.705	192.381	192.382
W	8+508.798	19.705	192.382	192.385
X	8+511.798	19.705	192.382	192.388
Y	8+514.798	19.705	192.381	192.390
Z	8+517.798	19.705	192.380	192.390
AA	8+520.798	19.705	192.377	192.388
AB	8+523.798	19.705	192.374	192.384
AC	8+526.798	19.705	192.370	192.375
CL W Brg Pier 3	8+530.853	19.705	192.363	192.363
CL Pier 3	8+531.172	19.705	192.362	192.362

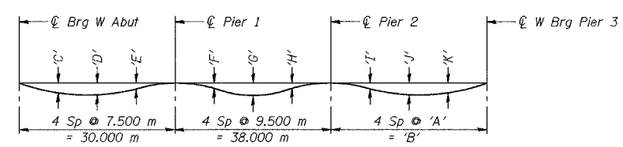
DEAD LOAD DEFLECTION TABLE

	GIRDER	'A'	'B'	'C'	'D'	'E'	'F'	'G'	'H'	'I'	'J'	'K'
*	28	±10.803	43.213	19	24	13	4	5	-3	41	74	60
*	27	±10.644	42.577	19	23	13	4	6	-2	38	70	56
*	26	±10.485	41.942	19	23	12	5	7	-1	36	66	53
*	25	±10.327	41.306	18	23	12	5	8	0	33	62	50
*	24	±10.168	40.671	18	23	12	6	9	1	31	57	46
*	23	±10.009	40.035	18	22	12	7	10	2	28	53	43
*	22	±9.850	39.400	18	22	12	7	11	2	26	49	40
*	21	±9.691	38.764	18	22	11	8	12	3	24	45	37
*	20	±9.532	38.129	18	22	11	8	13	4	22	42	34
*	19	±9.373	37.493	18	21	11	9	14	5	20	39	32
*	18	±9.214	36.858	17	21	11	9	15	6	19	36	30
*	17	±9.056	36.222	17	21	11	10	16	6	17	33	27
*	16	±8.897	35.587	17	21	10	10	17	7	15	30	25
*	15	±8.738	34.951	17	21	10	11	17	8	13	27	22
*	14	±8.603	34.410	16	20	9	13	21	10	17	33	27
*	13	±8.444	33.775	16	19	9	13	22	11	15	30	25
*	12	±8.285	33.139	16	19	9	14	23	12	14	28	23
*	11	±8.126	32.504	16	19	9	14	24	13	12	25	21
*	10	±7.967	31.868	16	19	9	14	24	13	11	23	19
*	9	±7.808	31.233	16	19	9	15	25	14	9	20	17
*	8	±7.649	30.597	16	18	8	15	26	15	8	18	15
	7	±7.490	29.962	16	18	8	16	27	15	7	16	14
	6	±7.332	29.326	16	18	8	16	27	16	6	14	12
	5	±7.173	28.691	15	18	8	16	28	16	5	12	11
	4	±7.014	28.055	15	18	8	16	28	17	4	11	10
	3	±6.855	27.420	15	18	8	17	29	17	3	9	8
	2	±6.696	26.784	15	18	8	17	29	18	2	7	7
	1	±6.537	26.149	15	18	8	17	30	18	1	6	6

NOTES:

See Sheet No. S-8 for Plan.

All stations, offsets, and elevations are in meters.



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.

All dimensions are in millimeters (mm) except as noted.

DESIGNED	BHS
CHECKED	KFA
DRAWN	MJB
CHECKED	GSP

*** FOR INFORMATION ONLY**

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. ROUTE 80/94 (BORMAN EXPRESSWAY)
OVER LITTLE CALUMET RIVER & N.I.C.T.D. R.O.W.

TOP OF DECK ELEVATIONS – UNIT 1 (1 OF 8)
SECTION 2626.2–R–1
LAKE COUNTY, INDIANA
STATION 8+470.000
STRUCTURE NO. I–80–1–8460 (EB & WB)

DATE 07/04 (016–I003 & 016–I004)

AMERICAN CONSULTING ENGINEERS