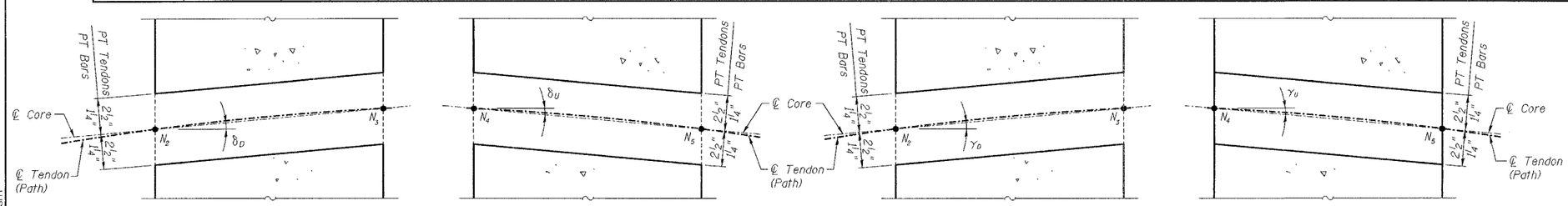
ROUTE NO.	SECT.	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.I. 39	201-IBR	WINNEBAGO	21	40
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

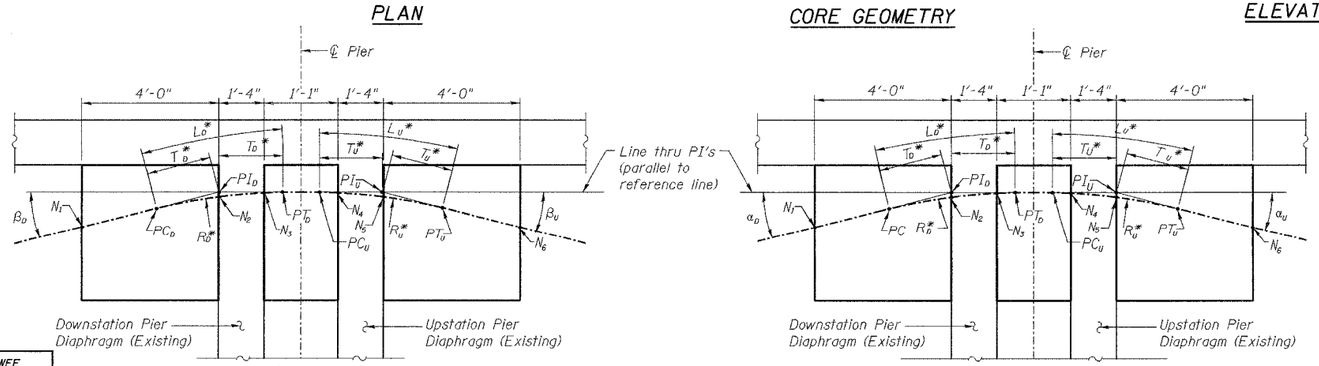
CONTRACT NO. 64857

PATH SCHEDULE

PIER	PI_D x	PI_D y	PI_U x	PI_U y	N_1 x	N_1 y	N_2 x	N_2 y	N_3 x	N_3 y	N_4 x	N_4 y	N_5 x	N_5 y	N_6 x	N_6 y	α_D	α_U	β_D	β_U	δ_D	δ_U	γ_D	γ_U	T_D^*	L_D^*	R_D^*	T_U^*	L_U^*	R_U^*
																	xx°-xx'-xx"	xx°-xx'-xx"	xx°-xx'-xx"	xx°-xx'-xx"	xx°-xx'-xx"	xx°-xx'-xx"	xx°-xx'-xx"	xx°-xx'-xx"						
PATH A and A'																														
1	9'-5"	3'-1"	9'-5"	3'-1"	9'-5"	3'-1"	9'-5"	3'-1"	9'-5"	3'-1"	9'-5"	3'-1 1/8"	9'-4 7/8"	3'-2 1/8"	9'-3 7/8"	3'-11 1/4"	0°-0'-0"	-12°-0'-19"	0°-0'-0"	-1°-17'-49"	0°-0'-0"	-0°-24'-18"	0°-0'-0"	-3°-47'-51"	0'-0"	0'-0"	0'-0"	1'-9 5/8"	3'-7"	17'-0"
2	9'-5"	3'-1"	9'-5"	3'-1"	9'-5"	3'-1"	9'-5"	3'-1"	9'-5"	3'-1"	9'-5"	3'-1"	9'-4 7/8"	3'-1 3/8"	9'-3 3/8"	3'-6 5/8"	0°-0'-0"	-6°-39'-37"	0°-0'-0"	-1°-55'-58"	0°-0'-0"	-0°-20'-25"	0°-0'-0"	-1°-10'-40"	0'-0"	0'-0"	0'-0"	1'-0 3/8"	2'-0 3/4"	17'-0"
3	9'-5"	3'-1"	9'-5"	3'-1"	9'-3 3/8"	3'-6 5/8"	9'-4 7/8"	3'-1 3/8"	9'-5"	3'-1"	9'-5"	3'-1"	9'-5"	3'-1"	9'-5"	3'-1"	6°-39'-37"	0°-0'-0"	1°-55'-58"	0°-0'-0"	0°-20'-26"	0°-0'-0"	1°-10'-41"	0°-0'-0"	1'-0 3/8"	2'-0 3/4"	17'-0"	0'-0"	0'-0"	0'-0"
4	9'-5"	3'-1"	9'-5"	3'-1"	9'-3 7/8"	3'-11 1/4"	9'-4 7/8"	3'-2 1/8"	9'-5"	3'-1 1/8"	9'-5"	3'-1"	9'-5"	3'-1"	9'-5"	3'-1"	12°-0'-19"	0°-0'-0"	1°-17'-49"	0°-0'-0"	0°-24'-17"	0°-0'-0"	3°-47'-50"	0°-0'-0"	1'-9 5/8"	3'-7"	17'-0"	0'-0"	0'-0"	0'-0"
PATH B and B'																														
1	9'-5"	1'-5"	9'-5"	1'-5"	9'-5"	1'-5"	9'-5"	1'-5"	9'-5"	1'-5"	9'-4 7/8"	1'-5 3/8"	9'-4 1/4"	1'-7"	9'-0 1/4"	2'-6 1/4"	0°-0'-0"	-15°-30'-3"	0°-0'-0"	-5°-43'-32"	0°-0'-0"	-2°-4'-38"	0°-0'-0"	-5°-43'-44"	0'-0"	0'-0"	0'-0"	2'-5 5/8"	4'-10 7/8"	17'-0"
2	9'-5"	1'-5"	9'-5"	1'-5"	9'-5"	1'-5"	9'-5"	1'-5"	9'-5"	1'-5"	9'-5"	1'-5"	9'-4 5/8"	1'-5 5/8"	9'-1 3/8"	2'-0 1/4"	0°-0'-0"	-8°-39'-33"	0°-0'-0"	-4°-22'-2"	0°-0'-0"	-1°-10'-25"	0°-0'-0"	-2°-20'-22"	0'-0"	0'-0"	0'-0"	1'-5 1/4"	2'-10 1/2"	17'-0"
3	9'-5"	1'-5"	9'-5"	1'-5"	9'-1 3/8"	2'-0 1/4"	9'-4 5/8"	1'-5 5/8"	9'-5"	1'-5"	9'-5"	1'-5"	9'-5"	1'-5"	9'-5"	1'-5"	8°-39'-33"	0°-0'-0"	4°-22'-2"	0°-0'-0"	1°-10'-25"	0°-0'-0"	2°-20'-22"	0°-0'-0"	1'-5 1/4"	2'-10 1/2"	17'-0"	0'-0"	0'-0"	0'-0"
4	9'-5"	1'-5"	9'-5"	1'-5"	9'-0 1/4"	2'-6 1/4"	9'-4 1/4"	1'-7"	9'-4 7/8"	1'-5 3/8"	9'-5"	1'-5"	9'-5"	1'-5"	9'-5"	1'-5"	15°-30'-3"	0°-0'-0"	5°-43'-32"	0°-0'-0"	2°-4'-37"	0°-0'-0"	5°-43'-41"	0°-0'-0"	2'-5 5/8"	4'-10 7/8"	17'-0"	0'-0"	0'-0"	0'-0"
PATH C and C'																														
1	11'-0 3/4"	2'-0 3/4"	11'-0 3/4"	2'-0 3/4"	10'-9 1/2"	2'-7 3/8"	11'-0 1/2"	2'-1 1/4"	11'-0 3/4"	2'-0 3/4"	11'-0 3/4"	2'-0 3/4"	11'-0 1/2"	2'-1 1/4"	10'-9 1/2"	2'-7 3/8"	7°-53'-13"	-7°-53'-13"	3°-56'-13"	-3°-56'-13"	0°-57'-59"	-0°-57'-59"	1°-56'-42"	-1°-56'-42"	1'-3 3/4"	2'-7 3/8"	17'-0"	1'-3 3/4"	2'-7 3/8"	17'-0"
2	11'-0 3/4"	2'-0 3/4"	11'-0 3/4"	2'-0 3/4"	10'-8 5/8"	3'-0 7/8"	11'-0 1/8"	2'-2 3/8"	11'-0 5/8"	2'-1"	11'-0 5/8"	2'-1"	11'-0 1/8"	2'-2 3/8"	10'-8 5/8"	3'-0 7/8"	14°-9'-32"	-14°-9'-32"	4°-56'-41"	-4°-56'-41"	1°-43'-32"	-1°-43'-33"	5°-1'-14"	-5°-1'-16"	2'-2 7/8"	4'-5 3/8"	17'-0"	2'-2 7/8"	4'-5 3/8"	17'-0"
3	11'-0 3/4"	2'-0 3/4"	11'-0 3/4"	2'-0 3/4"	10'-8 5/8"	3'-0 7/8"	11'-0 1/8"	2'-2 3/8"	11'-0 5/8"	2'-1"	11'-0 5/8"	2'-1"	11'-0 1/8"	2'-2 3/8"	10'-8 5/8"	3'-0 7/8"	14°-9'-32"	-14°-9'-32"	4°-56'-41"	-4°-56'-41"	1°-43'-32"	-1°-43'-33"	5°-1'-13"	-5°-1'-16"	2'-2 7/8"	4'-5 3/8"	17'-0"	2'-2 7/8"	4'-5 3/8"	17'-0"
4	11'-0 3/4"	2'-0 3/4"	11'-0 3/4"	2'-0 3/4"	10'-9 1/2"	2'-7 3/8"	11'-0 1/2"	2'-1 1/4"	11'-0 3/4"	2'-0 3/4"	11'-0 3/4"	2'-0 3/4"	11'-0 1/2"	2'-1 1/4"	10'-9 1/2"	2'-7 3/8"	7°-53'-13"	-7°-53'-13"	3°-56'-13"	-3°-56'-13"	0°-57'-59"	-0°-57'-59"	1°-56'-42"	-1°-56'-42"	1'-3 3/4"	2'-7 3/8"	17'-0"	1'-3 3/4"	2'-7 3/8"	17'-0"
PATH D and D'																														
1	10'-6 1/2"	1'-7"	10'-6 1/2"	1'-7"	10'-3 3/8"	2'-8"	10'-6"	1'-8 7/8"	10'-6 3/8"	1'-7 3/8"	10'-6 1/2"	1'-7"	10'-6 1/2"	1'-7"	10'-6 1/2"	1'-7"	15°-9'-22"	0°-0'-0"	3°-47'-36"	0°-0'-0"	1°-20'-30"	0°-0'-0"	5°-28'-00"	0°-0'-0"	2'-4"	4'-7 5/8"	17'-0"	0'-0"	0'-0"	0'-0"
2	10'-6 1/2"	1'-7"	10'-6 1/2"	1'-7"	10'-3 3/4"	2'-2 1/8"	10'-6 1/4"	1'-7 5/8"	10'-6 1/2"	1'-7"	10'-6 1/2"	1'-7"	10'-6 1/2"	1'-7"	10'-6 1/2"	1'-7"	8°-27'-37"	0°-0'-0"	3°-18'-13"	0°-0'-0"	0°-50'-5"	0°-0'-0"	2°-9'-0"	0°-0'-0"	1'-4 1/4"	2'-8 3/8"	17'-0"	0'-0"	0'-0"	0'-0"
3	10'-6 1/2"	1'-7"	10'-6 1/2"	1'-7"	10'-6 1/2"	1'-7"	10'-6 1/2"	1'-7"	10'-6 1/2"	1'-7"	10'-6 1/2"	1'-7"	10'-6 1/4"	1'-7 5/8"	10'-3 3/4"	2'-2 1/8"	0°-0'-0"	-8°-27'-37"	0°-0'-0"	-3°-18'-13"	0°-0'-0"	-0°-50'-5"	0°-0'-0"	-2°-9'-0"	0'-0"	0'-0"	0'-0"	1'-4 1/4"	2'-8 3/8"	17'-0"
4	10'-6 1/2"	1'-7"	10'-6 1/2"	1'-7"	10'-6 1/2"	1'-7"	10'-6 1/2"	1'-7"	10'-6 1/2"	1'-7"	10'-6 3/8"	1'-7 3/8"	10'-6"	1'-8 7/8"	10'-3 3/8"	2'-8"	0°-0'-0"	-15°-9'-22"	0°-0'-0"	-3°-47'-36"	0°-0'-0"	-1°-20'-30"	0°-0'-0"	-5°-28'-0"	0'-0"	0'-0"	0'-0"	2'-4"	4'-7 5/8"	17'-0"
PATH E and E'																														
1	8'-10"	1'-7"	8'-10"	1'-7"	8'-6 7/8"	2'-2 1/8"	8'-9 3/4"	1'-7 5/8"	8'-10"	1'-7"	8'-10"	1'-7"	8'-9 3/4"	1'-7 5/8"	8'-6 7/8"	2'-2 1/8"	8°-27'-37"	-8°-27'-37"	3°-39'-30"	-3°-39'-30"	0°-56'-17"	-0°-56'-17"	2°-10'-53"	-2°-10'-53"	1'-4 1/2"	2'-8 7/8"	17'-0"	1'-4 1/2"	2'-8 7/8"	17'-0"
2	8'-10"	1'-7"	8'-10"	1'-7"	8'-6 1/4"	2'-8"	8'-9 1/2"	1'-8 7/8"	8'-9 7/8"	1'-7 3/8"	8'-9 7/8"	1'-7 3/8"	8'-9 1/2"	1'-8 7/8"	8'-6 1/4"	2'-8"	15°-9'-22"	-15°-9'-22"	4°-26'-19"	-4°-26'-19"	1°-34'-43"	-1°-34'-44"	5°-29'-35"	-5°-29'-38"	2'-4 1/4"	4'-8 1/4"	17'-0"	2'-4 1/4"	4'-8 1/4"	17'-0"
3	8'-10"	1'-7"	8'-10"	1'-7"	8'-6 1/4"	2'-8"	8'-9 1/2"	1'-8 7/8"	8'-9 7/8"	1'-7 3/8"	8'-9 7/8"	1'-7 3/8"	8'-9 1/2"	1'-8 7/8"	8'-6 1/4"	2'-8"	15°-9'-22"	-15°-9'-22"	4°-26'-19"	-4°-26'-19"	1°-34'-43"	-1°-34'-44"	5°-29'-35"	-5°-29'-38"	2'-4 1/4"	4'-8 1/4"	17'-0"	2'-4 1/4"	4'-8 1/4"	17'-0"
4	8'-10"	1'-7"	8'-10"	1'-7"	8'-6 7/8"	2'-2 1/8"	8'-9 3/4"	1'-7 5/8"	8'-10"	1'-7"	8'-10"	1'-7"	8'-9 3/4"	1'-7 5/8"	8'-6 7/8"	2'-2 1/8"	8°-27'-37"	-8°-27'-37"	3°-39'-30"	-3°-39'-30"	0°-56'-17"	-0°-56'-17"	2°-10'-53"	-2°-10'-53"	1'-4 1/2"	2'-8 7/8"	17'-0"	1'-4 1/2"	2'-8 7/8"	17'-0"
PATH F and F'																														
1	8'-3 1/2"	1'-3"	8'-3 1/2"	1'-3"	8'-0 3/4"	2'-4 5/8"	8'-3 1/8"	1'-5"	8'-3 3/8"	1'-3 3/8"	8'-3 1/2"	1'-3"	8'-3 1/2"	1'-3"	8'-3 1/2"	1'-3"	15°-50'-40"	0°-0'-0"	3°-14'-22"	0°-0'-0"	1°-9'-34"	0°-0'-0"	5°-47'-39"	0°-0'-0"	2'-5"	4'-9 5/8"	17'-0"	0'-0"	0'-0"	0'-0"
2	8'-3 1/2"	1'-3"	8'-3 1/2"	1'-3"	8'-1"	1'-10 1/2"	8'-3 1/4"	1'-3 5/8"	8'-3 1/2"	1'-3"	8'-3 1/2"	1'-3"	8'-3 1/2"	1'-3"	8'-3 1/2"	1'-3"	8°-51'-29"	0°-0'-0"	2°-59'-57"	0°-0'-0"	0°-46'-43"	0°-0'-0"	2°-18'-54"	0°-0'-0"	1'-4 5/8"	2'-9 1/4"	17'-0"	0'-0"	0'-0"	0'-0"
3	8'-3 1/2"	1'-3"	8'-3 1/2"	1'-3"	8'-3 1/2"	1'-3"	8'-3 1/2"	1'-3"	8'-3 1/2"	1'-3"	8'-3 1/2"	1'-3"	8'-3 1/4"	1'-3 5/8"	8'-1"	1'-10 1/2"	0°-0'-0"	-8°-51'-29"	0°-0'-0"	-2°-59'-57"	0°-0'-0"	-0°-46'-43"	0°-0'-0"	-2°-18'-54"	0'-0"	0'-0"	0'-0"	1'-4 5/8"	2'-9 1/4"	17'-0"
4	8'-3 1/2"	1'-3"	8'-3 1/2"	1'-3"	8'-3 1/2"	1'-3"	8'-3 1/2"	1'-3"	8'-3 1/2"	1'-3"	8'-3 3/8"	1'-3 3/8"	8'-3 1/8"	1'-5"	8'-0 3/4"	2'-4 5/8"	0°-0'-0"	-15°-50'-40"	0°-0'-0"	-3°-14'-22"	0°-0'-0"	-1°-9'-34"	0°-0'-0"	-5°-47'-39"	0'-0"	0'-0"	0'-0"	2'-5"	4'-9 5/8"	17'-0"
PATH I and I'																														
1	-	-	-	-	10'-4"	1'-3"	10'-1 3/8"	1'-2 1/2"	10'-0 1/2"	1'-2 3/8"	9'-11"	1'-2 1/8"	9'-10 1/8"	1'-2"	9'-7 1/2"	1'-1 1/2"	-	-	-	-	-3°-09'-33"	-3°-09'-33"	0°-33'-29"	0°-33'-29"	-	-	-	-	-	-
2	-	-	-	-	10'-4"	1'-3"	10'-1 3/8"	1'-2 1/2"	10'-0 1/2"	1'-2 3/8"	9'-11"	1'-2 1/8"	9'-10 1/8"	1'-2"	9'-7 1/2"	1'-1 1/2"	-	-	-	-	-3°-09'-33"	-3°-09'-33"	0°-33'-29"	0°-33'-29"	-	-	-	-	-	-
3	-	-	-	-	9'-7 1/2"	1'-1 1/2"	9'-10 1/8"	1'-2"	9'-11"	1'-2 1/8"	10'-0 1/2"	1'-2 3/8"	10'-1 3/8"	1'-2 1/2"	10'-4"	1'-3"	-	-	-	-	3°-09'-33"	3°-09'-33"	-0°-33'-29"	-0°-33'-29"	-	-	-	-	-	-
4	-	-	-	-	9'-7 1/2"	1'-1 1/2"	9'-10 1/8	1'-2"	9'-11"	1'-2 1/8"	10'-0 1/2"	1'-2 3/8"	10'-1 3/8"	1'-2 1/2"	10'-4"	1'-3"	-	-	-	-	3°-09-33"	3°-09-33"	-0°-33'-29"	-0°33'-29"	-	-	-	-	-	-



PLAN — CORE GEOMETRY — ELEVATION



PLAN — ELEVATION

PATH GEOMETRY

NOTES:
For sign convention, see Sheet 16.

LEGEND:

Reference Line : Line at soffit of segment top slab along centerline of box girder.
L^* : Actual length of bent pipe
R^* : Actual bending radius
T^* : Actual tangent length

Designed by:	WEE
Checked by:	DL
Drafted by:	HH
Checked by:	DL

REVISION	DATE	DESCRIPTION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER DEVIATOR GEOMETRY II

I-39 (FAI 39) OVER KISHWAUKEE RIVER
SECTION 201-IBR
WINNEBAGO COUNTY
STATION 2425+00
STRUCTURE NOS. 101-0133 (S.B.) & 101-0134 (N.B.)

PARSONS — CHICAGO, ILLINOIS

DRAWING NO.	SCALE	DATE	SHEET NO.
21	N.T.S.	FEB 2007	S-10

Date: 2/2/2007 Time: 4:47:39 PM
File name: p:\646265-kishwaukee-mrf\cadd\final\sheet\strprdt02s.sht