

PROPOSED HORIZONTAL & VERTICAL CONTROL

CONTRACT NO. 64237				
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*2079	**	CARROLL & OGLE	232	44
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
(US 52)		** (16, 17, 18) RS-3 & (16BR) M-1		

CURVE POINT NUMBERS					
CHAIN	CURVE	PI	CC	PC	PT
PUS52	G220	220	221	222	223
PUS52	G230	230	231	232	233
PUS52	72200	72200	72201	72202	72203
PUS52	72210	72210	72211	72212	72213
PUS52	72220	72220	72221	72222	72223
PUS52	72230	72230	72231	72232	72233
PUS52	G250	250	251	252	253
PUS52	G260	260	261	262	263
PUS52	G270	270	271	272	273
PUS52	G280	280	281	282	283
PUS52	G290	290	291	292	293
PUS52	G300	300	301	302	303
PUS52	G310	310	311	312	313
PUS52	70320	70320	70321	70322	70323

CURVE POINT NUMBERS					
CHAIN	CURVE	PI	CC	PC	PT
PIL64ROSS	GG220	G220	1	2	3
PIL64ROSS	73230	73230	73231	73232	73233
PIL64ROSS	73240	73240	73241	73242	73243

CURVE POINT NUMBERS					
CHAIN	CURVE	PI	CC	PC	PT
PBROOKE	G1280	1280	1281	1282	1283
PBROOKE	72250	72250	72251	72252	72253
PBROOKE	72260	72260	72261	72262	72263

CURVE POINT NUMBERS					
CHAIN	CURVE	PI	CC	PC	PT
PTAYLOR	71300	71300	71301	71302	71303

CURVE POINT NUMBERS					
CHAIN	CURVE	PI	CC	PC	PT
POGLERD	70230	70230	70231	70232	70233

CURVE POINT NUMBERS					
CHAIN	CURVE	PI	CC	PC	PT
PELDORE	55280	55280	55281	55282	55283

Chain PIL64ROSS contains:
GG3001 CUR GG220 CUR 73230 74000 CUR 73240 G1260 GG3004

Beginning chain PIL64ROSS description
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Point GG3001 N 1,963,969.1720 E 2,425,620.6301 Sta 1487+98.6748

Course from GG3001 to PC GG220 134° 16' 03.5735" Dist 891.8616'

Curve Data

Curve GG220
P.I. Station 1502+01.6396 N 1,962,989.8869 E 2,426,625.2747
Delta = 8° 42' 14.9397" (RT)
Degree = 0° 51' 11.3310"
Tangent = 511.1032'
Length = 1,020.2398'
Radius = 6,715.8117'
External = 19.4205'
Long Chord = 1,019.2590'
Mid. Ord. = 19.3645'
S. E. = 0.000
P.C. Station 1496+90.5364 N 1,963,346.6426 E 2,426,259.2804
P.T. Station 1507+10.7761 N 1,962,581.8531 E 2,426,933.0651
C.C. N 1,958,537.5382 E 2,421,571.5686

Course from PT GG220 to PC 73230 142° 58' 18.5132" Dist 167.7390'

Curve Data

Curve 73230
P.I. Station 1510+12.0784 N 1,962,498.0352 E 2,427,157.8920
Delta = 16° 36' 35.0025" (RT)
Degree = 6° 15' 42.6011"
Tangent = 133.5634'
Length = 265.2533'
Radius = 915.0000'
External = 9.6968'
Long Chord = 264.3255'
Mid. Ord. = 9.5951'
P.C. Station 1508+78.5151 N 1,962,447.9405 E 2,427,034.0788
P.T. Station 1511+43.7684 N 1,962,510.6475 E 2,427,290.8585
C.C. N 1,961,599.7361 E 2,427,377.2615

Equation: Sta 1511+43.7684 (BK) = Sta 0+00.0000 (AH) -----
Begin Region 2

Point 74000 N 1,962,510.6475 E 2,427,290.8585 Sta 0+00.0000

Curve Data

Curve 73240
P.I. Station 0+25.6899 N 1,962,513.0734 E 2,427,316.4336
Delta = 3° 12' 59.2942" (RT)
Degree = 6° 15' 42.6011"
Tangent = 25.6899'
Length = 51.3663'
Radius = 915.0000'
External = 0.3606'
Long Chord = 51.3595'
Mid. Ord. = 0.3604'
P.C. Station 0+00.0000 N 1,962,510.6475 E 2,427,290.8585
P.T. Station 0+51.3663 N 1,962,514.0604 E 2,427,342.1045
C.C. N 1,961,599.7361 E 2,427,377.2615

Course from PT 73240 to G1260 87° 47' 52.7521" Dist 501.2570'

Point G1260 N 1,962,533.3202 E 2,427,842.9914 Sta 5+52.6233

Course from G1260 to GG3004 88° 03' 57.3801" Dist 6,071.0759'

Point GG3004 N 1,962,738.2149 E 2,433,910.6088 Sta 66+23.6992

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Ending chain PIL64ROSS description

Chain PUS52 contains:

G3001 CUR G220 G1210 CUR G230 CUR 72200 CUR 72210 CUR 72220 CUR 72230 CUR G250-
CUR G260 CUR G270 CUR G280 CUR G290 CUR G300 G1270 CUR G310 CUR 70320 G36 G3014

Beginning chain PUS52 description
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Point G3001 N 1,963,969.1720 E 2,425,620.6301 Sta 1487+98.6748

Course from G3001 to PC G220 134° 16' 03.5735" Dist 891.8616'

Curve Data

Curve G220
P.I. Station 1502+01.6396 N 1,962,989.8869 E 2,426,625.2747
Delta = 8° 42' 14.9397" (RT)
Degree = 0° 51' 11.3310"
Tangent = 511.1032'
Length = 1,020.2398'
Radius = 6,715.8117'
External = 19.4205'
Long Chord = 1,019.2590'
Mid. Ord. = 19.3645'
P.C. Station 1496+90.5364 N 1,963,346.6426 E 2,426,259.2804
P.T. Station 1507+10.7761 N 1,962,581.8531 E 2,426,933.0651
C.C. N 1,958,537.5382 E 2,421,571.5686

Course from PT G220 to G1210 142° 58' 18.5132" Dist 604.2235'

Equation: Sta 1513+14.9997 (BK) = Sta 0+00.0000 (AH) -----
End Region 1
Begin Region 2

Point G1210 N 1,962,099.4777 E 2,427,296.9333 Sta 0+00.0000'

Course from G1210 to PC G230 142° 58' 18.5132" Dist 769.0937'

Curve Data

Curve G230
P.I. Station 10+31.3436 N 1,961,276.1155 E 2,427,918.0165
Delta = 13° 31' 13.7113" (LT)
Degree = 2° 35' 23.3297"
Tangent = 262.2499'
Length = 522.0636'
Radius = 2,212.3513'
External = 15.4892'
Long Chord = 520.8532'
Mid. Ord. = 15.3815'
P.C. Station 7+69.0937 N 1,961,485.4799 E 2,427,760.0876
P.T. Station 12+91.1573 N 1,961,109.4760 E 2,428,120.5166
C.C. N 1,962,817.7754 E 2,429,526.2946

Course from PT G230 to PC 72200 129° 27' 04.8018" Dist 1,761.6432'

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
FAS ROUTE 2079 (US 52)
SECTION (16, 17, 18)RS-3 & (16BR)M-1
CARROLL & OGLE COUNTIES

SCALE: VERT. DRAWN BY
HORIZ. CHECKED BY
DATE

PROPOSED HORIZONTAL & VERTICAL CONTROL

PLOT DATE = Thu Mar 08 06:54:47 2007
FILE NAME = c:\n\p\p15\3282685\242165h\vdgn
PLOT SCALE = 1" = 100'-0"
USER NAME = dbasdd