PROP. US 45
RAMP A CURVE C74
PI STA. = 18+19.85
Δ = 133° 51′ 02″ (RT)
D = 28° 30′ 57″
R = 200.93′
T = 471.64′
L = 469.39′
E = 311.73′
e = 7.90%
T.R. = NA
S.E. RUN = 146.00′
P.C. STA. = 13+48.21
P.C.C. STA. = 18+17.59
SE ATTAINED STA. 12+62.21 TO
STA 14+08.21 (1.50% TO 7.90%)

PROP. US 45
RAMP A CURVE C73
PI STA. = 19+10.82
Δ = 27° 55′ 14″ (RT)
D = 15° 16′ 44″
R = 375.00′
T = 93.22′
L = 182.74′
E = 11.41′
e = 7.95%
T.R. = NA
S.E. RUN = NA
P.C.C. STA. = 18+17.59
P.C.C. STA. = 20+00.33
SE ATTAINED STA. 18+86.30 TO
STA 18+87.59 (7.90% TO 7.95%)

PROP. US 45
RAMP A CURVE C49
PI STA. = 21+01.69
Δ = 15° 11′ 36″ (RT)
D = 7° 32′ 20″
R = 760.00′
T = 101.36′
L = 201.53′
E = 6.73′
P.C.C. STA. = 20+00.33
P.T. STA. = 22+01.86
SE REMOVED STA. 20+71.86
TO STA 24+01.86 (7.95% TO 3.26%)

PROP. US 45
RAMP C CURVE C-70
PI STA. = 15+58.22
Δ = 15° 06′ 14″ (RT)
D = 7° 32′ 20″
R = 760.00′
T = 100.76′
L = 200.35′
E = 6.65′
e = 8.00%
T.R. = NA
S.E. RUN = NA
P.C. STA. = 14+57.46
P.C.C. STA. = 16+57.81
SE ATTAINED STA. 13+16+37 TO
STA 15+27.46 (2.00% TO 8.00%)

PROP. US 45
RAMP C CURVE C72
PI STA. = 17+30.86
Δ = 21° 45′ 53″ (RT)
D = 15° 04′ 40″
R = 380.00′
T = 73.06′
L = 144.35′
E = 6.96′
e = 8.00%
T.R. = NA
S.E. RUN = NA
P.C.C. STA. = 16+57.81
P.C.C. STA. = 18+02.16
SE REMOVED STA. 17+37.16 TO
STA 17+42.88 (8.00% TO 7.75%)

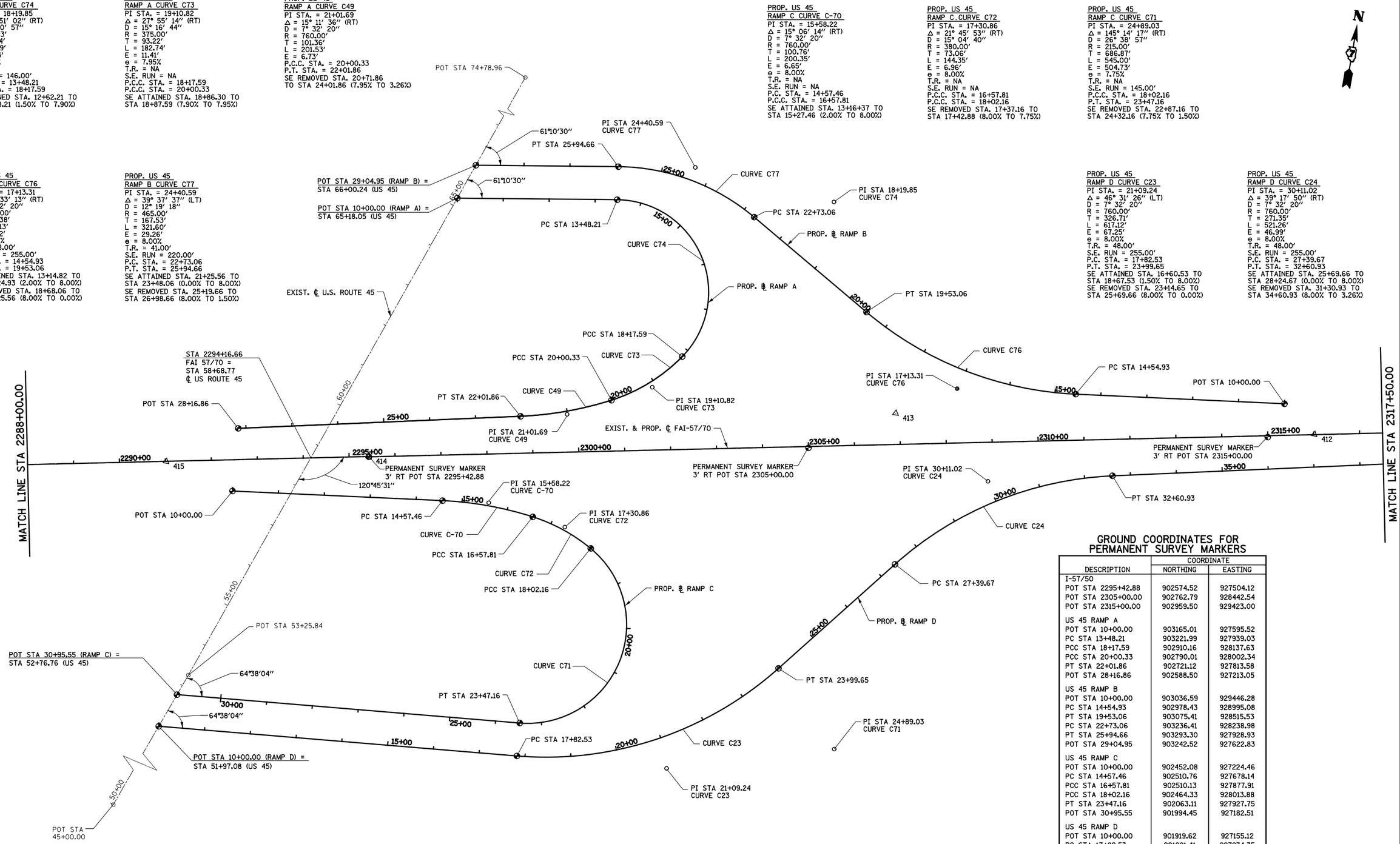
PROP. US 45
RAMP C CURVE C71
PI STA. = 24+89.03
Δ = 145° 14′ 17″ (RT)
D = 26° 38′ 57″
R = 215.00′
T = 686.87′
L = 545.00′
E = 504.73′
e = 7.75%
T.R. = NA
S.E. RUN = 145.00′
P.C.C. STA. = 18+02.16
P.T. STA. = 23+47.16
SE REMOVED STA. 22+87.16 TO
STA 24+32.16 (7.75% TO 1.50%)

PROP. US 45
RAMP B CURVE C76
PI STA. = 17+13.31
Δ = 37° 33′ 13″ (RT)
D = 7° 32′ 20″
R = 760.00′
T = 258.38′
L = 498.13′
E = 42.72′
e = 8.00%
T.R. = 48.00′
S.E. RUN = 255.00′
P.C. STA. = 14+54.93
P.T. STA. = 19+53.06
SE ATTAINED STA. 13+14.82 TO
STA 15+24.93 (2.00% TO 8.00%)
SE REMOVED STA. 18+68.06 TO
STA 21+25.56 (8.00% TO 0.00%)

PROP. US 45
RAMP B CURVE C77
PI STA. = 24+40.59
Δ = 39° 37′ 37″ (LT)
D = 12° 19′ 18″
R = 465.00′
T = 167.53′
L = 321.60′
E = 29.26′
e = 8.00%
T.R. = 41.00′
S.E. RUN = 220.00′
P.C. STA. = 22+73.06
P.T. STA. = 25+94.66
SE ATTAINED STA. 21+25.56 TO
STA 23+48.06 (0.00% TO 8.00%)
SE REMOVED STA. 25+19.66 TO
STA 26+98.66 (8.00% TO 1.50%)

PROP. US 45
RAMP D CURVE C23
PI STA. = 21+09.24
Δ = 46° 31′ 26″ (LT)
D = 7° 32′ 20″
R = 760.00′
T = 326.71′
L = 617.12′
E = 67.25′
e = 8.00%
T.R. = 48.00′
S.E. RUN = 255.00′
P.C. STA. = 17+82.53
P.T. STA. = 23+99.65
SE ATTAINED STA. 16+60.53 TO
STA 18+67.53 (1.50% TO 8.00%)
SE REMOVED STA. 23+14.65 TO
STA 25+69.66 (8.00% TO 0.00%)

PROP. US 45
RAMP D CURVE C24
PI STA. = 30+11.02
Δ = 39° 17′ 50″ (RT)
D = 7° 32′ 20″
R = 760.00′
T = 271.35′
L = 521.26′
E = 46.99′
e = 8.00%
T.R. = 48.00′
S.E. RUN = 255.00′
P.C. STA. = 27+39.67
P.T. STA. = 32+60.93
SE ATTAINED STA. 25+69.66 TO
STA 28+24.67 (0.00% TO 8.00%)
SE REMOVED STA. 31+30.93 TO
STA 34+60.93 (8.00% TO 3.26%)



GROUND COORDINATES FOR PERMANENT SURVEY MARKERS

DESCRIPTION	COORDINATE NORTHING	COORDINATE EASTING
I-57/50		
POT STA 2295+42.88	902574.52	927504.12
POT STA 2305+00.00	902762.79	928442.54
POT STA 2315+00.00	902959.50	929423.00
US 45 RAMP A		
POT STA 10+00.00	903165.01	927595.52
PC STA 13+48.21	903221.99	927939.03
PCC STA 18+17.59	902910.16	928137.63
PCC STA 20+00.33	902790.01	928002.34
PT STA 22+01.86	902721.12	927813.58
POT STA 28+16.86	902588.50	927213.05
US 45 RAMP B		
POT STA 10+00.00	903036.59	929446.28
PC STA 14+54.93	902978.43	928995.08
PT STA 19+53.06	903075.41	928515.53
PC STA 22+73.06	903236.41	928238.98
PT STA 25+94.66	903293.30	927928.93
POT STA 29+04.95	903242.52	927622.83
US 45 RAMP C		
POT STA 10+00.00	902452.08	927224.46
PC STA 14+57.46	902510.76	927678.14
PCC STA 16+57.81	902510.13	927877.91
PCC STA 18+02.16	902464.33	928013.88
PT STA 23+47.16	902063.11	927927.75
POT STA 30+95.55	901994.45	927182.51
US 45 RAMP D		
POT STA 10+00.00	901919.62	927155.12
PC STA 17+82.53	901991.41	927934.35
PT STA 23+99.65	902278.09	928461.78
PC STA 27+39.67	902545.25	928672.11
PT STA 32+60.93	902817.15	929104.89

0 100′ 200′

PERMANENT SURVEY MARKER ⊕

FILE NAME = S:\Projects\4823-88072.57-70\dgn\IL Lin\Vlct_ctl.dgn	USER NAME = $USER$	DESIGNED - JWS	REVISED -
		DRAWN - PDB	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - BRM	REVISED -
	PLOT DATE = $DATE$	DATE - 10-16-08	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HORIZONTAL CONTROL, FAI ROUTES 57/70

SCALE: 1″=100′ | SHEET NO. 2 OF 12 SHEETS | STA. 2288+50.00 TO STA. 2317+50.00

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57/70	(25-4)R	EFFINGHAM	1760	92

CONTRACT NO. 74295

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT