PROP. ROADWAY A
CURVE C124
PI STA. = 2347+98.08
Δ = 13° 30′ 18″ (LT)
D = 0° 57′ 18″
R = 6,000.00′
T = 710.41′
L = 1,414.23′
E = 41.91′
e = 3.22%
T.R. = 45.00′
S.E. RUN = 96.60′
P.C. STA. = 2340+87.67
P.T. STA. = 2355+01.91
SE ATTAINED STA. 2339+63.27 TO STA 2341+19.87 (2.00% TO 3.22%)
SE REMOVED STA. 2354+69.71 TO STA 2355+79.92 (3.22% TO 0.00%)

PROP. ROADWAY A
CURVE C125
PI STA. = 2370+35.89
Δ = 27° 00′ 00″ (RT)
D = 1° 00′ 00″
R = 5,729.58′
T = 1,375.55′
L = 2,700.00′
E = 162.81′
e = 3.34%
T.R. = 45.00′
S.E. RUN = 100.20′
P.C. STA. = 2356+60.34
P.T. STA. = 2383+60.34
SE ATTAINED STA. 2355+79.92 TO STA 2356+93.74 (0.00% TO 3.34%)
SE REMOVED STA. 2383+26.94 TO STA 2384+30.52 (3.34% TO 0.00%)

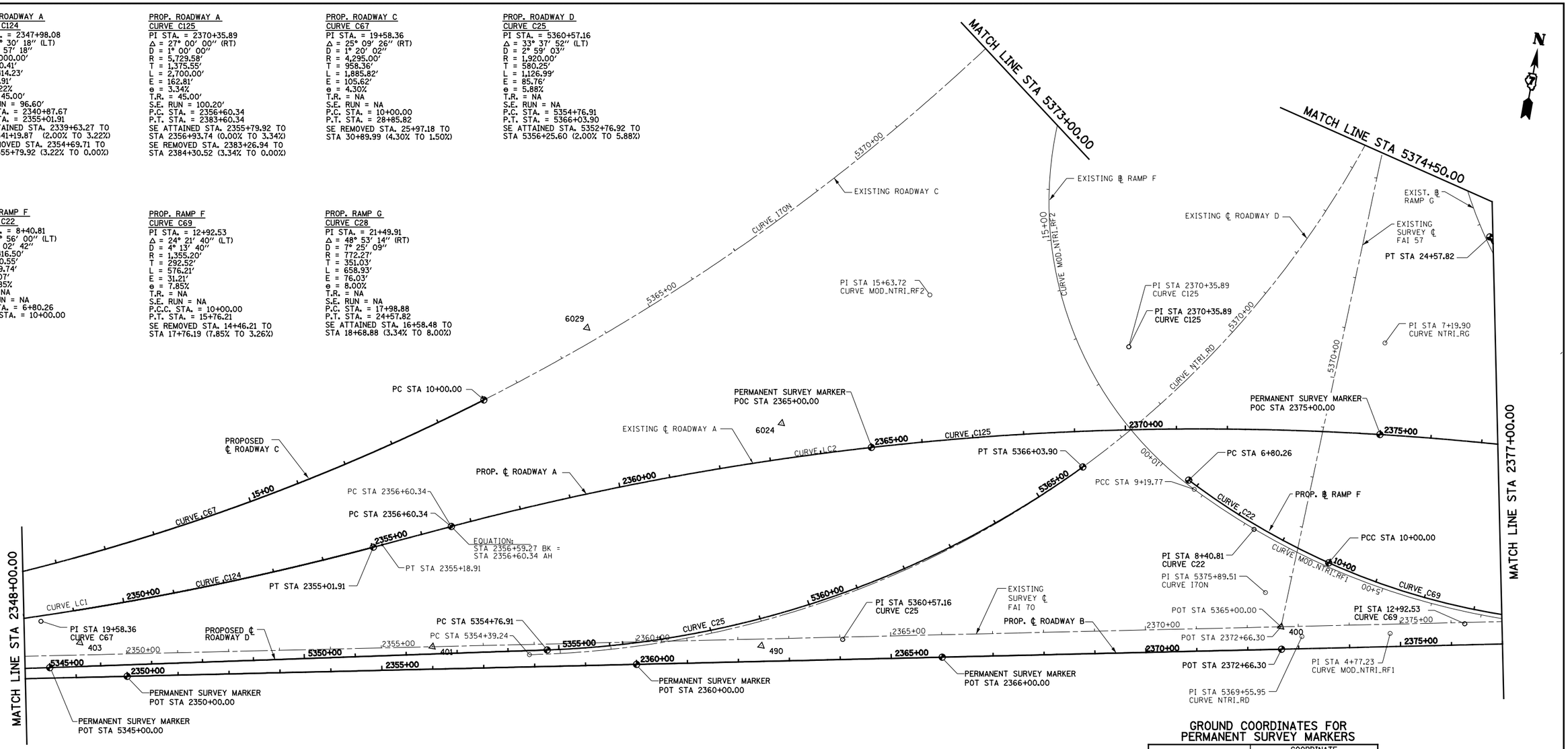
PROP. ROADWAY C
CURVE C67
PI STA. = 19+58.36
Δ = 25° 09′ 26″ (RT)
D = 1° 20′ 02″
R = 4,295.00′
T = 958.36′
L = 1,885.82′
E = 105.62′
e = 4.30%
T.R. = NA
S.E. RUN = NA
P.C. STA. = 10+00.00
P.T. STA. = 28+85.82
SE REMOVED STA. 25+97.18 TO STA 30+89.99 (4.30% TO 1.50%)

PROP. ROADWAY D
CURVE C25
PI STA. = 5360+57.16
Δ = 33° 37′ 52″ (LT)
D = 2° 59′ 03″
R = 1,920.00′
T = 580.25′
L = 1,126.99′
E = 85.76′
e = 5.88%
T.R. = NA
S.E. RUN = NA
P.C. STA. = 5354+76.91
P.T. STA. = 5366+03.90
SE ATTAINED STA. 5352+76.92 TO STA 5356+25.60 (2.00% TO 5.88%)

PROP. RAMP F
CURVE C22
PI STA. = 8+40.81
Δ = 12° 56′ 00″ (LT)
D = 4° 02′ 42″
R = 1,416.50′
T = 160.55′
L = 319.74′
E = 9.07′
e = 7.85%
T.R. = NA
S.E. RUN = NA
P.C. STA. = 6+80.26
P.C.C. STA. = 10+00.00

PROP. RAMP F
CURVE C69
PI STA. = 12+92.53
Δ = 24° 21′ 40″ (LT)
D = 4° 13′ 09″
R = 1,355.20′
T = 292.52′
L = 576.21′
E = 31.21′
e = 7.85%
T.R. = NA
S.E. RUN = NA
P.C.C. STA. = 10+00.00
P.T. STA. = 15+76.21
SE REMOVED STA. 14+46.21 TO STA 17+76.19 (7.85% TO 3.26%)

PROP. RAMP G
CURVE C28
PI STA. = 21+49.91
Δ = 48° 53′ 14″ (RT)
D = 7° 25′ 09″
R = 772.27′
T = 351.03′
L = 658.93′
E = 76.03′
e = 8.00%
T.R. = NA
S.E. RUN = NA
P.C. STA. = 17+98.88
P.T. STA. = 24+57.82
SE ATTAINED STA. 16+58.48 TO STA 18+68.88 (3.34% TO 8.00%)



EXIST. ROADWAY A
CURVE LC1
PI STA. = 2348+47.05
Δ = 13° 30′ 00″ (LT)
D = 1° 00′ 00″
R = 5,729.58′
T = 678.14′
L = 1,350.00′
E = 39.99′
P.C. STA. = 2341+68.91
P.T. STA. = 2355+18.91

EXIST. ROADWAY A
CURVE LC2
PI STA. = 2370+35.89
Δ = 27° 00′ 00″ (RT)
D = 1° 00′ 00″
R = 5,729.58′
T = 1,375.55′
L = 2,700.00′
E = 162.81′
P.C. STA. = 2356+60.34
P.T. STA. = 2383+60.34

EXIST. ROADWAY C
CURVE I70N
PI STA. = 5375+89.51
Δ = 76° 35′ 42″ (LT)
D = 1° 20′ 59″
R = 4,245.24′
T = 3,352.39′
L = 5,675.19′
E = 1,164.07′
P.C. STA. = 5342+37.12
P.T. STA. = 5399+12.31

EXIST. ROADWAY D
CURVE NTRI_RD
PI STA. = 5369+55.95
Δ = 76° 36′ 19″ (LT)
D = 2° 59′ 01″
R = 1,920.30′
T = 1,516.71′
L = 2,567.47′
E = 526.73′
P.C. STA. = 5354+39.24
P.T. STA. = 5380+06.71

EXIST. RAMP F
CURVE MOD_NTRI_RF1
PI STA. = 4+77.23
Δ = 37° 42′ 09″ (RT)
D = 4° 05′ 57″
R = 1,397.76′
T = 477.23′
L = 919.77′
E = 79.22′
P.C. STA. = 0+00.00
P.C.C. STA. = 9+19.77

EXIST. RAMP F
CURVE MOD_NTRI_RF2
PI STA. = 15+63.72
Δ = 85° 16′ 42″ (RT)
D = 8° 11′ 35″
R = 699.33′
T = 643.95′
L = 1,040.88′
E = 251.32′
P.C.C. STA. = 9+19.77
P.T. STA. = 19+60.65

EXIST. RAMP G
CURVE NTRI_RG
PI STA. = 7+19.90
Δ = 82° 21′ 33″ (RT)
D = 6° 57′ 45″
R = 822.93′
T = 719.90′
L = 1,182.91′
E = 270.45′
P.C. STA. = 0+00.00
P.T. STA. = 11+82.91

GROUND COORDINATES FOR PERMANENT SURVEY MARKERS

DESCRIPTION	COORDINATE NORTHING	COORDINATE EASTING
ROADWAY A		
PT STA 2355+01.91	903941.13	933294.39
PC STA 2356+60.34	904007.71	933438.16
POC STA 2365+00.00	904303.58	934223.16
POC STA 2375+00.00	904501.89	935202.01
ROADWAY B		
POT STA 2350+00.00	903607.79	932862.69
POT STA 2360+00.00	903804.50	933843.15
POT STA 2366+00.00	903922.53	934431.42
POT STA 2372+66.30	904053.60	935084.70
ROADWAY C		
PC STA 10+00.00	904263.26	933457.93
ROADWAY D		
POT STA 5345+00.00	903598.26	932710.07
PC STA 5354+76.91	903801.91	933665.52
PT STA 5366+03.90	904337.89	934638.55
RAMP F		
PC STA 6+80.26	904348.74	934847.66
PCC STA 10+00.00	904236.57	935146.36
RAMP G		
PT STA 24+57.82	904920.95	935346.67

PERMANENT SURVEY MARKER

0 100′ 200′

FILE NAME = S:\Projects\HRD-00072.57-70\dgn\HrzLnVlnt.L.dgn	USER NAME = $USER$	DESIGNED - JWS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HORIZONTAL CONTROL, FAI ROUTES 57/70	F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - PDB	REVISED -			57/70	(25-4)R	EFFINGHAM	1760	96
	PLOT SCALE = $SCALE$	CHECKED - BRM	REVISED -					CONTRACT NO. 74295		
	PLOT DATE = $DATE$	DATE - 10-16-08	REVISED -		SCALE: 1″=100′ / SHEET NO. 6 OF 12 SHEETS / STA. 2348+00.00 TO STA. 2377+00.00	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		