

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301		STEPHENSON	290	21
STA.		TO STA.		
FED. ROAD DIST. NO. 2		ILLINOIS		FED. AID PROJECT

LANCASTER HEIGHTS ROAD

POINT DESCRIPTION	PI		PC		PT		COMMENT
	NORTHING	EASTING	NORTHING	EASTING	NORTHING	EASTING	
POT	2058738.5233	2457309.0845					600+00.00
POT	2058743.5814	2457609.0418					603+00.00

U.S. ROUTE 20

POINT DESCRIPTION	PI		PC		PT		COMMENT
	NORTHING	EASTING	NORTHING	EASTING	NORTHING	EASTING	
US20-270A	2,057,306.4987	2,461,516.4707	2,057,241.4530	2,458,657.2256	2,054,446.9920	2,461,568.7676	

IL ROUTE 75

POINT DESCRIPTION	PI		PC		PT		COMMENT
	NORTHING	EASTING	NORTHING	EASTING	NORTHING	EASTING	
IL75-1	2,054,492.7539	2,457,411.5689	2,054,478.4314	2,456,883.9003	2,055,020.4632	2,457,398.8316	
POT	2,060,949.6139	2,457,255.7128					77+21.97

RAMP BC

POINT DESCRIPTION	PI		PC		PT		COMMENT
	NORTHING	EASTING	NORTHING	EASTING	NORTHING	EASTING	
NEWBC1	2,057,325.5824	2,458,882.4654	2,057,253.2268	2,459,207.6207	2,057,326.2459	2,458,549.3575	
NEWBC2	2,057,326.9118	2,458,215.0507	2,057,326.5247	2,458,409.3578	2,057,419.9766	2,458,044.4800	
POT	2,057,808.9724	2,457,331.5221					119+96.34

RAMP DB

POINT DESCRIPTION	PI		PC		PT		COMMENT
	NORTHING	EASTING	NORTHING	EASTING	NORTHING	EASTING	
POT	2,056,604.8043	2,457,360.5885					200+00.00
NEWDB1	2,057,152.9316	2,458,259.1735	2,056,940.1341	2,457,910.3190	2,057,166.6582	2,458,667.5776	
NEWDB2	2,057,171.7844	2,458,820.0980	2,057,166.6582	2,458,667.5776	2,057,162.9496	2,458,972.4486	
NEWDB3	2,057,154.1062	2,459,124.9488	2,057,162.9496	2,458,972.4486	2,057,123.7836	2,459,274.6654	
NEWDB4	2,056,971.1980	2,460,028.0516	2,057,123.7836	2,459,274.6654	2,056,453.6954	2,460,596.4389	
NEWDB5	2,056,268.1733	2,460,800.2030	2,056,453.6954	2,460,596.4389	2,056,053.0083	2,460,972.3723	

RAMP CA

POINT DESCRIPTION	PI		PC		PT		COMMENT
	NORTHING	EASTING	NORTHING	EASTING	NORTHING	EASTING	
NEWCA1	2,057,288.8267	2,456,463.0317	2,057,449.7809	2,456,726.8958	2,057,356.3413	2,456,161.4156	
NEWCA2	2,057,423.2291	2,455,862.5997	2,057,356.3413	2,456,161.4156	2,057,553.0825	2,455,585.2859	
POT	2,057,818.4569	2,457,331.2932					400+00.00

PROP. CURVE 75-DRIV-1
 PI STA. = 804+06.64
 $\Delta = 27^\circ 07' 35''$ (LT)
 $D = 57' 17' 45''$
 $R = 100.00'$
 $T = 24.12'$
 $L = 47.34'$
 $E = 2.87'$
 $\theta = \text{N.C.}$
 P.C. STA. = 803+82.52
 P.T. STA. = 804+29.86

PROP. CURVE 75-DRIV-2
 PI STA. = 804+53.99
 $\Delta = 27^\circ 07' 35''$ (RT)
 $D = 57' 17' 45''$
 $R = 100.00'$
 $T = 24.12'$
 $L = 47.34'$
 $E = 2.87'$
 $\theta = \text{N.C.}$
 P.C. STA. = 804+29.86
 P.T. STA. = 804+77.21

PROP. CURVE US20-270A
 PI STA. = 1885+00.10
 $\Delta = 90^\circ 15' 20''$ (RT)
 $D = 2^\circ 00' 44''$
 $R = 2,847.26'$
 $T = 2,859.98'$
 $L = 4,485.16'$
 $E = 1,188.38'$
 $\theta = 5.30\%$
 $T.R. = 45.00'$
 S.E. RUN = 215.00'
 P.C. STA. = 1856+40.11
 P.T. STA. = 1901+25.28

PROP. CURVE NEWAD2
 PI STA. = 309+73.28
 $\Delta = 12^\circ 51' 21''$ (RT)
 $D = 3^\circ 49' 11''$
 $R = 1,508.00'$
 $T = 168.99'$
 $L = 336.57'$
 $E = 9.49'$
 $\theta = 6.20\%$
 S.E. RUN = 200' @ PT
 P.C. STA. = 308+04.28
 P.T. STA. = 311+40.85

PROP. CURVE NEWBC1
 PI STA. = 103+33.11
 $\Delta = 12^\circ 25' 53''$ (LT)
 $D = 1^\circ 52' 24''$
 $R = 765.00'$
 $T = 333.11'$
 $L = 663.60'$
 $E = 18.09'$
 $\theta = \text{VARIES}$
 P.C. STA. = 100+00.00
 P.T. STA. = 106+63.60

PROP. CURVE NEWBC2
 PI STA. = 109+97.91
 $\Delta = 28^\circ 30' 11''$ (RT)
 $D = 7^\circ 29' 23''$
 $R = 765.00'$
 $T = 194.31'$
 $L = 380.57'$
 $E = 24.29'$
 $\theta = 8.00\%$
 S.E. RUN = 265' @ PC
 P.C. STA. = 108+03.60
 P.T. STA. = 111+84.17

PROP. CURVE NEWCA1
 PI STA. = 410+17.05
 $\Delta = 44^\circ 00' 00''$ (RT)
 $D = 7^\circ 29' 23''$
 $R = 765.00'$
 $T = 309.08'$
 $L = 587.48'$
 $E = 60.08'$
 $\theta = 8.00\%$
 S.E. RUN = 265.00' @ PC
 (ATTAIN SUPER STA. 405+31.00
 TO STA. 407+96.00)
 P.C. STA. = 407+07.97
 P.T. STA. = 412+95.45

PROP. CURVE NEWDB1
 PI STA. = 210+52.57
 $\Delta = 29^\circ 27' 28''$ (RT)
 $D = 3^\circ 41' 09''$
 $R = 1,554.43'$
 $T = 408.63'$
 $L = 799.19'$
 $E = 52.81'$
 $\theta = 6.10\%$
 S.E. RUN = 200' @ PC
 P.C. STA. = 206+43.93
 P.T. STA. = 214+43.12

PROP. CURVE NEWDB2
 PI STA. = 215+95.73
 $\Delta = 5^\circ 14' 38''$ (RT)
 $D = 1^\circ 43' 09''$
 $R = 3,332.51'$
 $T = 152.61'$
 $L = 305.00'$
 $E = 5.42'$
 $\theta = \text{VARIES}$
 P.C. STA. = 214+43.12
 P.T. STA. = 217+48.12

PROP. CURVE NEWDB3
 PI STA. = 219+00.88
 $\Delta = 8^\circ 07' 50''$ (RT)
 $D = 2^\circ 39' 57''$
 $R = 2,149.33'$
 $T = 152.76'$
 $L = 305.00'$
 $E = 5.42'$
 $\theta = 5.30\%$
 P.C. STA. = 217+48.12
 P.T. STA. = 220+53.12

PROP. CURVE NEWDB4
 PI STA. = 228+21.80
 $\Delta = 30^\circ 52' 04''$ (RT)
 $D = 2^\circ 03' 28''$
 $R = 2,784.26'$
 $T = 768.58'$
 $L = 1,500.00'$
 $E = 104.16'$
 $\theta = 5.30\%$
 P.C. STA. = 220+53.12
 P.T. STA. = 235+53.12

PROP. CURVE NEWDB5
 PI STA. = 238+28.69
 $\Delta = 9^\circ 01' 01''$ (RT)
 $D = 1^\circ 38' 22''$
 $R = 3,494.79'$
 $T = 275.57'$
 $L = 550.00'$
 $E = 10.85'$
 $\theta = 5.30\%$
 P.C. STA. = 235+53.12
 P.T. STA. = 241+03.12

RAMP AD

POINT DESCRIPTION	PI		PC		PT		COMMENT
	NORTHING	EASTING	NORTHING	EASTING	NORTHING	EASTING	
NEWAD2	2,057,102.8420	2,456,471.1805	2,057,148.7458	2,456,308.5414	2,057,021.9018	2,456,619.5290	
POT	2,056,617.7439	2,457,360.2762					319+84.68

CURRIER ROAD

POINT DESCRIPTION	PI		PC		PT		COMMENT
	NORTHING	EASTING	NORTHING	EASTING	NORTHING	EASTING	
POT	2058417.8360	2456173.5700					56+83.81
POT	2058440.5820	2457211.7410					67+22.23
POT	2058442.8711	2457316.2209					68+26.73

EXIST. CURVE IL75-1
 PI STA. = 14+88.89
 $\Delta = 89^\circ 49' 40''$ (LT)
 $D = 10^\circ 49' 18''$
 $R = 529.45'$
 $T = 527.86'$
 $L = 830.07'$
 $E = 218.18'$
 P.C. STA. = 9+61.02
 P.T. STA. = 17+91.09

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 ALIGNMENT, TIES AND BENCHMARKS

SCALE: VERT. 1" = 200'
 HORIZ. 1" = 200'
 DATE 7/15/05

DRAWN BY MBT
 CHECKED BY RP