

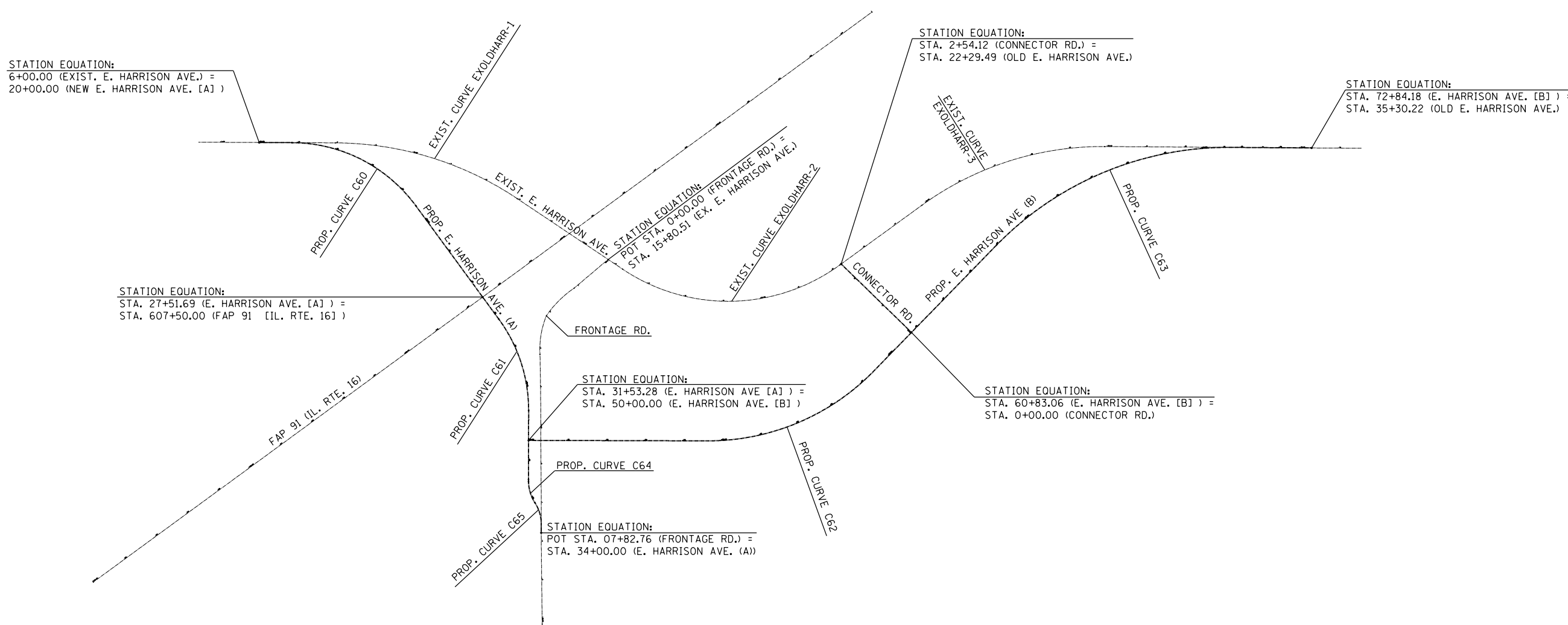


EXIST. CURVE EXOLDHARR-1
 PI STA. = 10+54.78
 $\Delta = 33^\circ 31' 45''$ (RT)
 D = 6° 42' 02"
 R = 855.08'
 T = 257.59'
 L = 500.39'
 E = 37.96'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 7+97.19
 P.T. STA. = 12+97.59

EXIST. CURVE EXOLDHARR-2
 PI STA. = 19+69.10
 $\Delta = 69^\circ 50' 41''$ (LT)
 D = 11° 39' 44"
 R = 491.29'
 T = 343.02'
 L = 598.89'
 E = 107.90'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 16+26.08
 P.T. STA. = 22+24.98

EXIST. CURVE EXOLDHARR-3
 PI STA. = 27+49.62
 $\Delta = 36^\circ 25' 26''$ (RT)
 D = 7° 12' 18"
 R = 795.22'
 T = 261.64'
 L = 505.53'
 E = 41.94'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 24+87.99
 P.T. STA. = 29+93.52

STATION EQUATION:
 6+00.00 (EXIST. E. HARRISON AVE.) =
 20+00.00 (NEW E. HARRISON AVE. [A])



STATION EQUATION:
 STA. 27+51.69 (E. HARRISON AVE. [A]) =
 STA. 607+50.00 (FAP 91 [IL. RTE. 16])

STATION EQUATION:
 STA. 31+53.28 (E. HARRISON AVE [A]) =
 STA. 50+00.00 (E. HARRISON AVE. [B])

STATION EQUATION:
 STA. 2+54.12 (CONNECTOR RD.) =
 STA. 22+29.49 (OLD E. HARRISON AVE.)

STATION EQUATION:
 STA. 72+84.18 (E. HARRISON AVE. [B]) =
 STA. 35+30.22 (OLD E. HARRISON AVE.)

STATION EQUATION:
 POT STA. 07+82.76 (FRONTAGE RD.) =
 STA. 34+00.00 (E. HARRISON AVE. (A))

STATION EQUATION:
 STA. 60+83.06 (E. HARRISON AVE. [B]) =
 STA. 0+00.00 (CONNECTOR RD.)

PROP. CURVE C60
 PI STA. = 22+86.91
 $\Delta = 53^\circ 30' 52''$ (RT)
 D = 14° 19' 26"
 R = 400.00'
 T = 201.68'
 L = 373.60'
 E = 47.97'
 e = 2.0%
 T.R. = 30.0'
 S.E. RUN = 40.0'
 P.C. STA = 20+85.23
 P.T. STA = 24+58.83

PROP. CURVE C61
 PI STA. = 29+53.34
 $\Delta = 36^\circ 13' 39''$ (RT)
 D = 14° 19' 26"
 R = 400.00'
 T = 130.85'
 L = 252.92'
 E = 20.86'
 e = 0.0%
 T.R. = NA
 S.E. RUN = NA
 P.C. STA = 28+22.49
 P.T. STA = 30+75.41

PROP. CURVE C62
 PI STA. = 57+17.38
 $\Delta = 45^\circ 52' 20''$ (LT)
 D = 9° 32' 57"
 R = 600.00'
 T = 253.90'
 L = 480.37'
 E = 51.51'
 e = 5.0%
 T.R. = 30.0'
 S.E. RUN = 100.0'
 P.C. STA = 54+63.49
 P.T. STA = 59+43.86

PROP. CURVE C63
 PI STA. = 67+55.91
 $\Delta = 46^\circ 07' 12''$ (RT)
 D = 6° 49' 15"
 R = 840.00'
 T = 357.60'
 L = 676.15'
 E = 72.95'
 e = 6.0%
 T.R. = 40.0'
 S.E. RUN = 145.0'
 P.C. STA = 63+98.31
 P.T. STA = 70+74.47

PROP. CURVE C64
 PI STA. = 32+89.61
 $\Delta = 33^\circ 12' 03''$ (LT)
 D = 57° 17' 45"
 R = 100.00'
 T = 29.81'
 L = 57.95'
 E = 4.35'
 e = NA
 T.R. = NA
 S.E. RUN = NA
 P.C. STA = 32+59.80
 P.T. STA = 33+17.75

PROP. CURVE C65
 PI STA. = 33+47.44
 $\Delta = 33^\circ 04' 15''$ (RT)
 D = 57° 17' 45"
 R = 100.00'
 T = 29.69'
 L = 57.72'
 E = 4.31'
 e = NA
 T.R. = NA
 S.E. RUN = NA
 P.C. STA = 33+17.75
 P.T. STA = 33+75.47

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
ci:\pw\work\p\dot\stefenmk\d0158776\074423-sh1-details.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 300.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/7/2014	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ALIGNMENT DETAIL

SCALE: 150 SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
91	5N	Coles	271	36
CONTRACT NO. 74423			ILLINOIS FED. AID PROJECT	