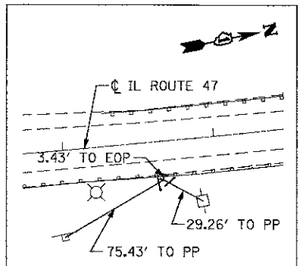
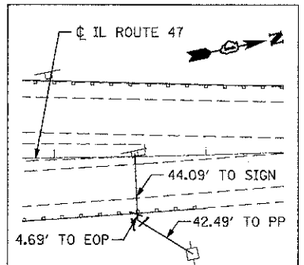
INTERSECTION COORDINATE TABLE		
STATION EQUATION	N	E
℄ ILLINOIS ROUTE 47 STA. 110+22.43 = ℄ WAUBONSEE DRIVE STA. 15+53.82	1870092.943	949340.153

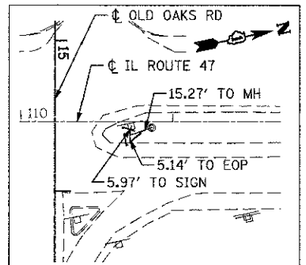
WAUBONSEE DRIVE / OLD OAKS ROAD COORDINATE TABLE				
	DESCRIPTION	ALIGNMENT POINT	N	E
WAUBONSEE DRIVE / OLD OAKS ROAD		POT 10+00.00	1870386.354	948979.794
	BEGIN IMPROVEMENT	11+17.65	1870268.708	948979.150
	CURVE WAU_1	PC 11+17.65	1870268.708	948979.150
		PI 12+14.94	1870171.419	948978.618
		PT 12+81.15	1870150.782	949073.694
	CURVE WAU_2	PC 17+85.86	1870043.721	949566.919
		PI 18+85.19	1870022.651	949663.984
		PT 19+61.33	1870103.791	949721.273
	CURVE WAU_3	PC 19+92.22	1870129.029	949739.092
		PI 20+72.33	1870194.472	949785.298
		PT 21+43.85	1870207.075	949864.411
	END IMPROVEMENT	20+16.27	1870147.711	949754.204



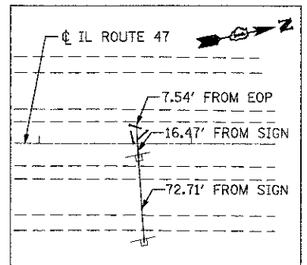
CONTROL POINT 1 - SET REBAR
STA. 121+64.46, 25.69' RT.
N 1871211.9234
E 949575.6797 EL 706.78



CONTROL POINT 2 - SET REBAR
STA. 116+54.12, 42.34' RT.
N 1870702.6231
E 949513.9128 EL 708.32



CONTROL POINT 3 - SET REBAR
STA. 110+71.75, 9.04' RT.
N 1870139.2185
E 949359.4489 EL 705.99



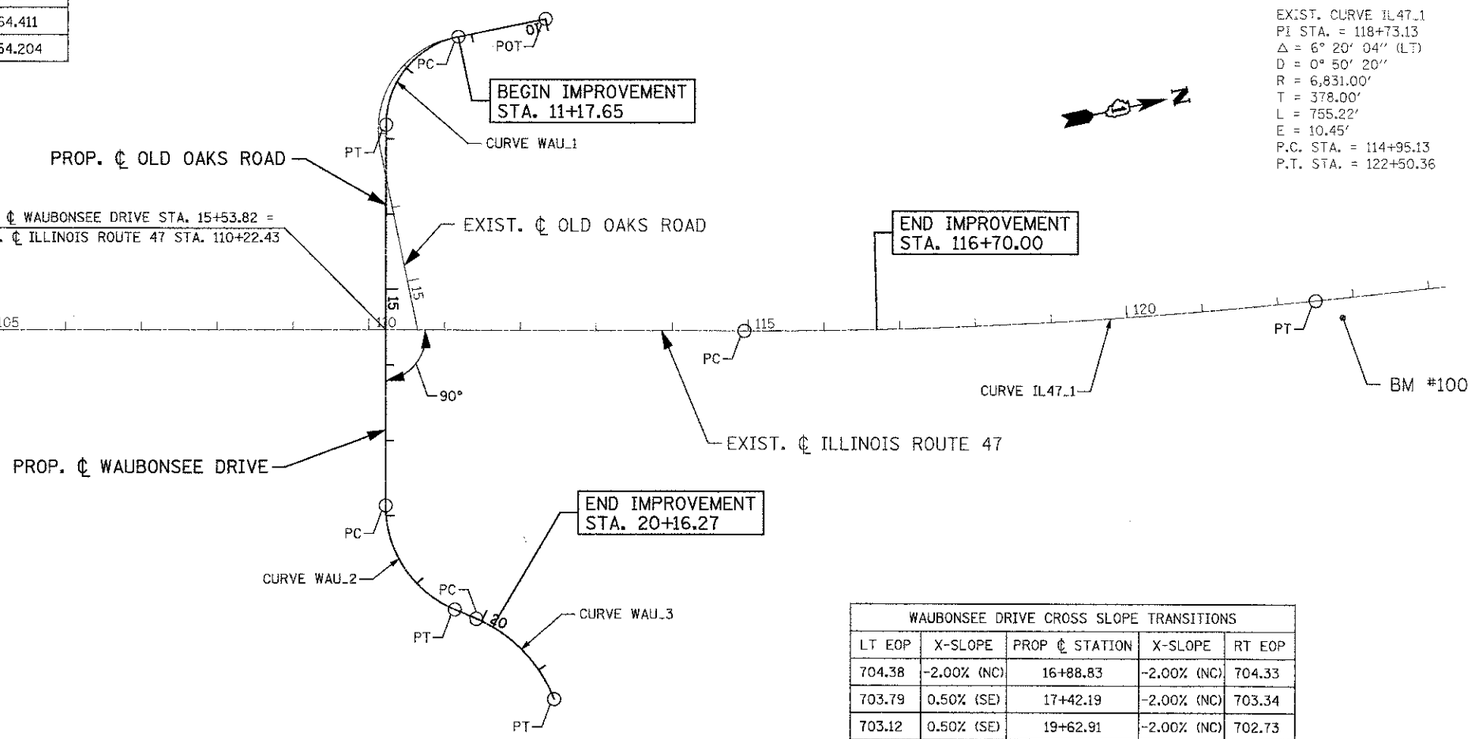
CONTROL POINT 4 - SET REBAR
STA. 102+64.07, 7.11' LT.
N 1869353.3468
E 949172.3389 EL 704.71

BENCHMARKS

BM100: CUT SQUARE AT SOUTHEAST CORNER OF BRIDGE OVER CREEK AT THE NORTH END OF SITE. SQUARE CUT IN TOP SECTION OF WING WALL.

ELEVATION - 707.97
STA. 122+83.55, 25.60' RT
N 1871330.6523
E 949588.4289

NOTE:
SITE ELEVATIONS ARE BASED ON NGS MONUMENT KAN47_2B USING ELLIPSOID HEIGHT 187.039 METERS AND GEOID09 RELATIVE TO NAD83(2007).



EXIST. CURVE IL47_1
PI STA. = 118+73.13
Δ = 6° 20' 04" (LT)
D = 0° 50' 20"
R = 6,831.00'
T = 378.00'
L = 755.22'
E = 10.45'
P.C. STA. = 114+95.13
P.T. STA. = 122+50.36

PROP. CURVE WAU_1
PI STA. = 12+14.94
Δ = 78° 04' 01" (LT)
D = 47° 44' 47"
R = 120.00'
T = 97.29'
L = 163.50'
E = 34.48'
P.C. STA = 11+17.65
P.T. STA = 12+81.15

PROP. CURVE WAU_2
PI STA. = 18+85.19
Δ = 67° 01' 22" (LT)
D = 38° 11' 50"
R = 150.00'
T = 99.33'
L = 175.47'
E = 29.90'
P.C. STA = 17+85.86
P.T. STA = 19+61.33

PROP. CURVE WAU_3
PI STA. = 20+72.33
Δ = 45° 43' 27" (RT)
D = 30° 09' 20"
R = 190.00'
T = 80.11'
L = 151.63'
E = 16.20'
P.C. STA = 19+92.22
P.T. STA = 21+43.85

WAUBONSEE DRIVE CROSS SLOPE TRANSITIONS				
LT EOP	X-SLOPE	PROP ℄ STATION	X-SLOPE	RT EOP
704.38	-2.00% (NC)	16+88.83	-2.00% (NC)	704.33
703.79	0.50% (SE)	17+42.19	-2.00% (NC)	703.34
703.12	0.50% (SE)	19+62.91	-2.00% (NC)	702.73
702.96	-2.00% (NC)	20+16.27	-2.00% (NC)	702.96

PATRICK ENGINEERING
PATRICK ENGINEERING INC.
4970 VARSITY DRIVE
LISLE, IL 60532
patrickengineering.com

USER NAME = $USER$ | DESIGNED - MJP | REVISED -
PLOT CONFIG= $PLTDRVS$ | DRAWN - MJP | REVISED -
PLOT SCALE = $SCALESHORT$ | CHECKED - JAH | REVISED -
PLOT DATE = $DATE$ $TIME$ | DATE - 3/25/2013 | REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 47 AT WAUBONSEE DRIVE
ALIGNMENT, TIES, & BENCHMARKS

SCALE: N/A | SHEET ALI 1 OF 1 | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	11-00001-00-CH	KANE	55	10
		CONTRACT NO. 63829		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

$FILE$