

F.A.S. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N/A	06-00126-06-SP	ST. CLAIR	15	7
STA. 10+85.00		TO STA. 22+11.90		
FEDERAL AID PROJECT		CONTRACT 97319		

INTERSECTION
E.O.P. ELEVATIONS WITH OFFSETS
BLACKSMITH SHOP/YAEGER ROAD

STATION	ELEVATION	OFFSET	PAVEMENT CROSS SLOPE
E.O.P. LT.	455.21	25.8'	MATCH EXISTING
E.O.P. RT.	455.56	29.3'	MATCH EXISTING
40+15 LT.	455.32	12.8'	-0.76%
40+15 RT.	455.50	16.9'	+0.45%
40+20 LT.	455.39	10.2'	-0.93%
40+20 RT.	455.50	12.3'	+0.20%
40+25 RT.	455.54	9.9'	-0.05%
RAD. RETURN LT.	455.47	9.0'	-1.14%
RAD. RETURN RT.	455.59	9.0'	-0.35%

3-CENTER CURVE
40'-120'-200' R.
2.0' OFFSET

CURVE DATA

P.I. STA. 17+53.40
 $\Delta = 89^{\circ}44'10''$
 $D = 10^{\circ}08'27''$
 $R = 565.00'$
 $T = 562.40'$
 $L = 884.90'$
 $E = 232.20'$
P.C. STA. 11+91.00
P.T. STA. 20+75.90
S.E. = 4%
TRANSITION LENGTH = 114'
(76' ON TANGENT, 28' ON CURVE)

CURVE DATA

P.I. STA. 31+48.70
 $\Delta = 51^{\circ}48'25''$
 $D = 18^{\circ}43'27''$
 $R = 306.00'$
 $T = 148.61'$
 $L = 276.70'$
 $E = 34.18'$
P.C. STA. 30+00.00
P.T. STA. 32+76.70
(NO SUPER ELEVATION)

INTERSECTION
E.O.P. ELEVATIONS WITH OFFSETS
ROBINSON SCHOOL/BLACKSMITH SHOP

STATION	ELEVATION	OFFSET	PAVEMENT CROSS SLOPE
E.O.P. LT.	454.97	89.1'	MATCH EXISTING
E.O.P. RT.	454.14	76.0'	MATCH EXISTING
30+25 RT.	454.21	35.2'	-1.06%
30+25 LT.	454.57	24.5'	-0.06%
30+35 RT.	454.22	27.2'	-1.46%
30+35 LT.	454.55	16.2'	-0.46%
30+50 RT.	454.25	21.4'	-2.00%
30+50 LT.	454.56	11.3'	-1.06%
RAD. RETURN LT.	454.54	10.0'	-2.00%
31+00 RT.	454.61	14.1'	-2.00%
31+50 RT.	454.88	10.4'	-2.00%
RAD. RETURN RT.	454.99	10.0'	-2.00%

MAINLINE E.O.P. ELEVATIONS
ROBINSON SCHOOL ROAD
S.E. TRANSITIONS & FULL S.E.

STATION	LEFT E.O.P.	RIGHT E.O.P.
11+00	450.15	450.15
11+50	450.92	450.64
12+00	451.70	451.02
12+50	452.29	451.41
13+00	452.79	451.91
13+50	453.28	452.40
14+00	453.78	452.90
14+50	454.27	453.39
16+50	454.04	453.16
17+00	453.79	452.91
17+50	453.55	452.67
18+00	453.31	452.43
18+50	453.06	452.18
19+00	452.82	451.94
19+50	452.58	451.70
20+00	452.33	451.45
20+50	452.09	451.21
21+00	451.48	451.20
21+50	451.11	450.95
22+00	450.74	450.74

BENCHMARKS

T.B.M. 10-18-06'B: RAILROAD SPIKE IN SOUTH FACE OF POWER POLE (FIRST POLE WEST OF INTERSECTION), 30'± SOUTH OF ROBINSON SCHOOL ROAD. ELEV. 456.60 STA. 15+29.71, 83.00 LT.

COORDINATE TABLE

STATION	NORTHING	EASTING
11+00.00	30003.01	49346.63
P.C. 11+91.00	30002.59	49437.60
P.I. 17+53.40	30000.00	50000.00
P.T. 20+75.90	29437.60	50000.00
21+00.00	29413.47	50000.00
P.C. 30+00.00	29882.56	49783.18
P.I. 31+48.70	29999.67	49874.82
P.T. 32+76.70	30000.06	50023.43
33+50.00	30000.25	50096.65
40+00.00	29999.10	50000.00
40+50.00	30049.10	50000.00
41+00.00	30099.10	50000.00

