

CONSTRUCTION REV. - APRIL 2022 - Revised alignment and stationing of Y1B and Y1C. The proposed alignment is shown in red. The existing alignment is shown in black. The stationing is shown in blue. The drawing is for the proposed construction of the road.

**CURVE DATA FOR -Y1B-**

PI Sta 11+98.96	PI Sta 14+08.31	PI Sta 17+10.93	PI Sta 19+05.84
$\Delta = 105.542$ (RT)	$\Delta = 2.28$ (RT)	$\Delta = 33.47$ (LT)	$\Delta = 24.05$ (RT)
$D = 754.585$	$D = 113.086$	$D = 22.55$ (RT)	$D = 22.55$ (RT)
$L = 203.87$	$L = 20.92$	$L = 104.92$	$L = 104.92$
$T = 106.38$	$T = 10.47$	$T = 7.525$	$T = 7.525$
$R = 2500.00$	$R = 2500.00$	$R = 2500.00$	$R = 2500.00$
$SE = EX.$	$SE = EX.$	$SE = EX.$	$SE = EX.$

**CURVE DATA FOR -Y1-**

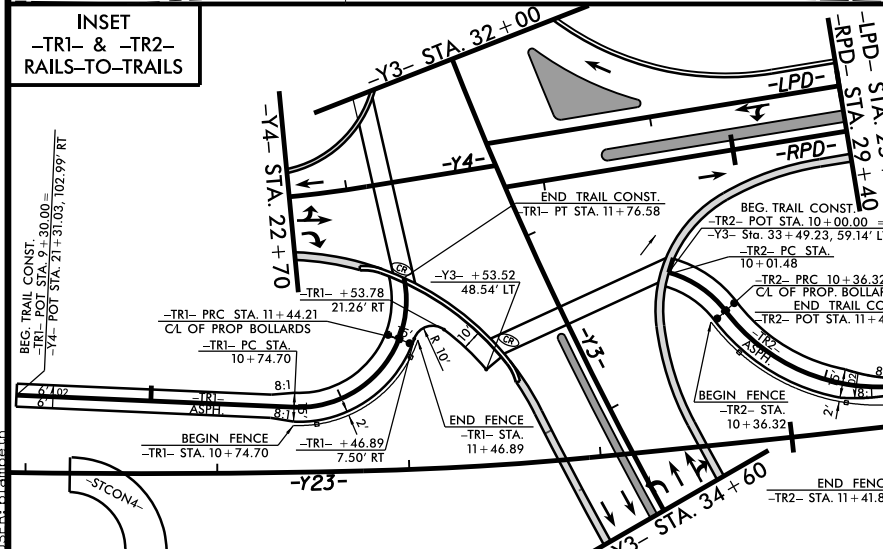
PI Sta 16+56.51	PI Sta 22+52.51	PI Sta 29+65.27	PI Sta 36+78.03
$\Delta = 61.34$ (RT)	$\Delta = 7.01$ (LT)	$\Delta = 65.38$ (LT)	$\Delta = 70.90$ (LT)
$D = 154.90$	$D = 102.18$ (LT)	$D = 228.32$	$D = 228.32$
$L = 17.45$	$L = 102.18$	$L = 102.18$	$L = 102.18$
$T = 17.45$	$T = 51.09$	$T = 51.09$	$T = 51.09$
$R = 10000.00$	$R = 10000.00$	$R = 10000.00$	$R = 10000.00$
$SE = NC$	$SE = NC$	$SE = NC$	$SE = NC$

**CURVE DATA FOR -TR1-**

PI Sta 11+46.69	PI Sta 14+22.17	PI Sta 17+07.65	PI Sta 19+93.13
$\Delta = 104.14$ (LT)	$\Delta = 104.14$ (LT)	$\Delta = 104.14$ (LT)	$\Delta = 104.14$ (LT)
$D = 1048.50$	$D = 1048.50$	$D = 1048.50$	$D = 1048.50$
$L = 104.14$	$L = 104.14$	$L = 104.14$	$L = 104.14$
$T = 52.07$	$T = 52.07$	$T = 52.07$	$T = 52.07$
$R = 5200.00$	$R = 5200.00$	$R = 5200.00$	$R = 5200.00$
$SE = NC$	$SE = NC$	$SE = NC$	$SE = NC$

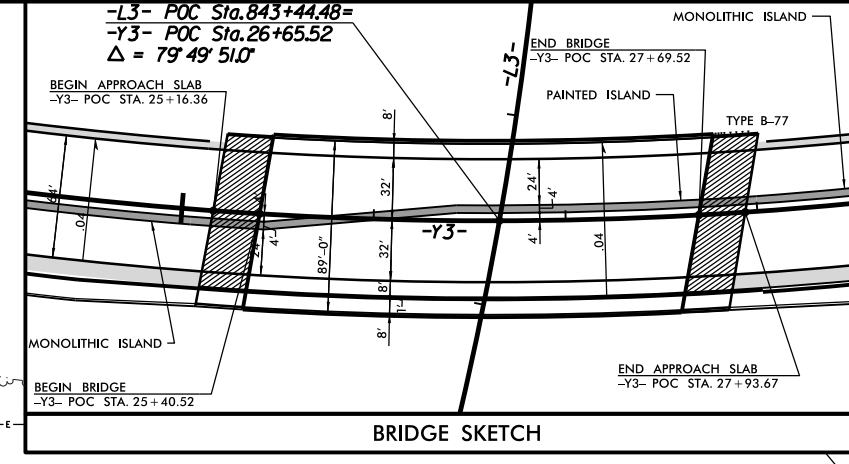
**CURVE DATA FOR -TR2-**

PI Sta 10+18.49	PI Sta 13+03.97	PI Sta 15+89.45	PI Sta 18+74.93
$\Delta = 32.36$ (RT)	$\Delta = 32.36$ (RT)	$\Delta = 32.36$ (RT)	$\Delta = 32.36$ (RT)
$D = 102.18$ (LT)	$D = 102.18$ (LT)	$D = 102.18$ (LT)	$D = 102.18$ (LT)
$L = 34.84$	$L = 34.84$	$L = 34.84$	$L = 34.84$
$T = 17.42$	$T = 17.42$	$T = 17.42$	$T = 17.42$
$R = 1500.00$	$R = 1500.00$	$R = 1500.00$	$R = 1500.00$
$SE = NC$	$SE = NC$	$SE = NC$	$SE = NC$



**CURVE DATA FOR -DR3-**

PI Sta 14+40.00	PI Sta 17+25.00	PI Sta 20+10.00	PI Sta 22+95.00
$\Delta = 83.48$ (LT)	$\Delta = 43.20$ (LT)	$\Delta = 43.20$ (LT)	$\Delta = 43.20$ (LT)
$D = 182.84$	$D = 182.84$	$D = 182.84$	$D = 182.84$
$L = 182.84$	$L = 182.84$	$L = 182.84$	$L = 182.84$
$T = 91.42$	$T = 91.42$	$T = 91.42$	$T = 91.42$
$R = 1250.00$	$R = 1250.00$	$R = 1250.00$	$R = 1250.00$
$SE = EX.$	$SE = EX.$	$SE = EX.$	$SE = EX.$



**Dewberry**

PROJECT REFERENCE NO. 8-222388  
SHEET NO. 11

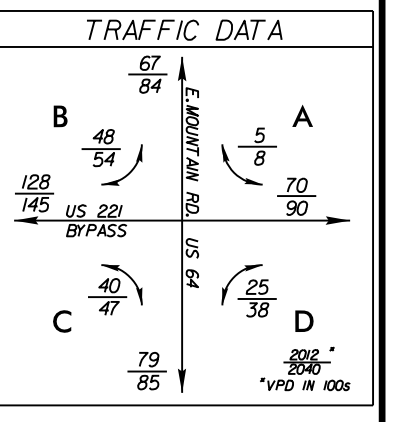
DESIGNED BY: RES  
CHECKED BY: DJM  
DATE: 4/29/2022

CONTRACT NO. 17-0000  
SHEET NO. 11

DATE: 4/29/2022

SCALE: 1" = 40'

PROJECT LOCATION: US 221 SOUTH OF US 74 BUSINESS (CHARLOTTE ROAD) TO NORTH OF SR 1346 (ROPER LOOP ROAD)



**CURVE DATA FOR -RPA-**

PI Sta 12+98.59	PI Sta 16+91.42	PI Sta 20+85.11	PI Sta 23+78.67	PI Sta 26+72.23	PI Sta 29+65.79
$\Delta = 37.95$ (RT)	$\Delta = 37.95$ (RT)	$\Delta = 37.95$ (RT)	$\Delta = 37.95$ (RT)	$\Delta = 37.95$ (RT)	$\Delta = 37.95$ (RT)
$D = 158.00$	$D = 158.00$	$D = 158.00$	$D = 158.00$	$D = 158.00$	$D = 158.00$
$L = 37.95$	$L = 37.95$	$L = 37.95$	$L = 37.95$	$L = 37.95$	$L = 37.95$
$T = 18.98$	$T = 18.98$	$T = 18.98$	$T = 18.98$	$T = 18.98$	$T = 18.98$
$R = 1580.00$	$R = 1580.00$	$R = 1580.00$	$R = 1580.00$	$R = 1580.00$	$R = 1580.00$
$SE = EX.$	$SE = EX.$	$SE = EX.$	$SE = EX.$	$SE = EX.$	$SE = EX.$

**CURVE DATA FOR -L3-**

PI Sta 825+287.8	PI Sta 833+824.4	PI Sta 841+361.0	PI Sta 848+897.6
$\Delta = 25.35$ (RT)	$\Delta = 25.35$ (RT)	$\Delta = 25.35$ (RT)	$\Delta = 25.35$ (RT)
$D = 158.00$	$D = 158.00$	$D = 158.00$	$D = 158.00$
$L = 25.35$	$L = 25.35$	$L = 25.35$	$L = 25.35$
$T = 12.68$	$T = 12.68$	$T = 12.68$	$T = 12.68$
$R = 1580.00$	$R = 1580.00$	$R = 1580.00$	$R = 1580.00$
$SE = EX.$	$SE = EX.$	$SE = EX.$	$SE = EX.$

