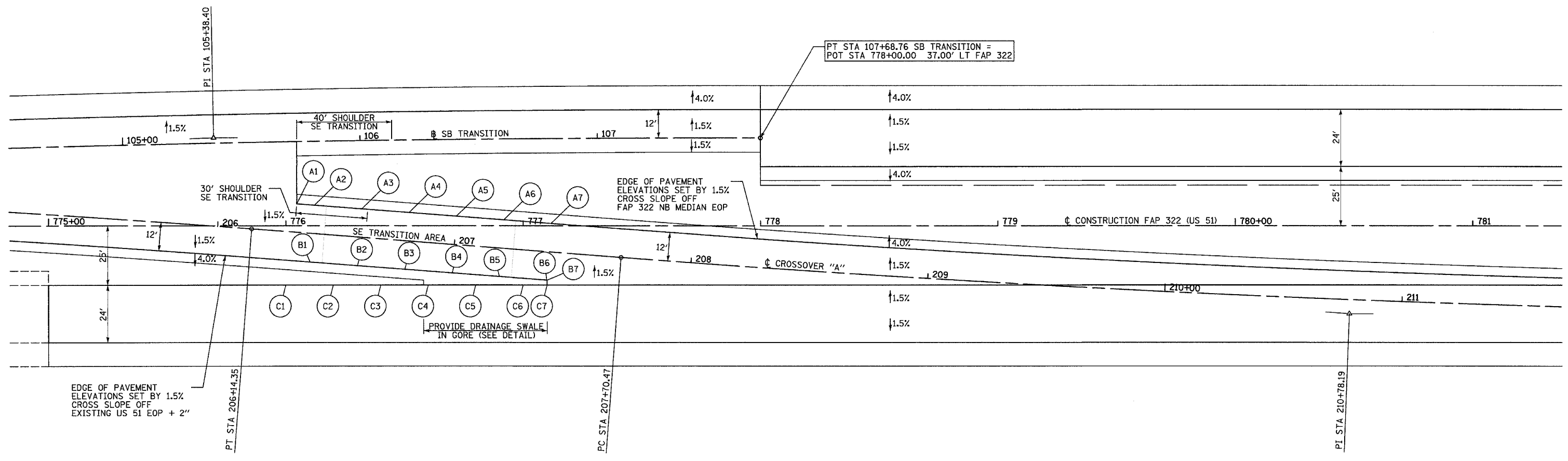


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-10	CHRISTIAN	310	105
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

**SB TRANSITION CURVE #1 DATA:**  
 PI STA = 101+54.01  
 = 771+85.44 22.24' LT FAP 322  
 $\Delta = 2^\circ 12' 21''$  (LT)  
 $D = 0^\circ 42' 58''$   
 $R = 8,000.00'$   
 $T = 154.01'$   
 $L = 307.98'$   
 $E = 1.48'$   
 $SE = RC$   
 PC STA = 100+00.00  
 = 770+32.26 24.81' LT FAP 322  
 PRC STA = 103+07.98  
 = 773+39.34 28.16' LT FAP 322

**SB TRANSITION CURVE #2 DATA:**  
 PI STA = 105+38.40  
 = 775+69.58 37.00' LT FAP 322  
 $\Delta = 2^\circ 12' 00''$  (RT)  
 $D = 0^\circ 28' 39''$   
 $R = 12,000.00'$   
 $T = 230.42'$   
 $L = 460.78'$   
 $E = 2.21'$   
 $SE = NC$   
 PRC STA = 103+07.98  
 = 773+39.34 28.16' LT FAP 322  
 PT STA = 107+68.76  
 = 778+00.00 37.00' LT FAP 322

POINT	FAP 322 (US 51)		CROSSOVER "A"		ELEVATION
	STATION	OFFSET	STATION	OFFSET	
A1	776+04.59	9.20' LT	206+32.50	12.00' LT	621.88
A2	776+12.07	8.62' LT	206+40.00	12.00' LT	621.86
A3	776+32.01	7.09' LT	206+60.00	12.00' LT	621.74
A4	776+51.95	5.55' LT	206+80.00	12.00' LT	621.56
A5	776+71.89	4.02' LT	207+00.00	12.00' LT	621.36
A6	776+91.83	2.48' LT	207+20.00	12.00' LT	621.19
A7	777+11.77	0.94' LT	207+40.00	12.00' LT	621.12



POINT	FAP 322 (US 51)		CROSSOVER "A"		ELEVATION
	STATION	OFFSET	STATION	OFFSET	
B1	776+10.22	15.31' RT	206+40.00	12.00' RT	621.50
B2	776+30.17	16.84' RT	206+60.00	12.00' RT	621.52
B3	776+50.11	18.38' RT	206+80.00	12.00' RT	621.51
B4	776+70.05	19.91' RT	207+00.00	12.00' RT	621.49
B5	776+89.99	21.45' RT	207+20.00	12.00' RT	621.50
B6	777+09.93	22.99' RT	207+40.00	12.00' RT	621.48
B7	777+10.11	23.00' RT	207+40.18	12.00' RT	621.48

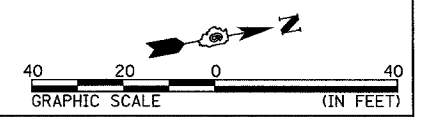
POINT	FAP 322 (US 51)		ELEVATION
	STATION	OFFSET	
C1	776+00.00	25.00' RT	621.20
C2	776+20.00	25.00' RT	621.23
C3	776+40.00	25.00' RT	621.27
C4	776+60.00	25.00' RT	621.31
C5	776+80.00	25.00' RT	621.34
C6	777+00.00	25.00' RT	621.38
C7	777+10.11	25.00' RT	621.40

**CROSSOVER "A" CURVE #1 DATA:**  
 PI STA = 203+07.33  
 = 772+79.16 22.23' LT FAP 322  
 $\Delta = 4^\circ 23' 60''$  (RT)  
 $D = 0^\circ 42' 58''$   
 $R = 8,000.00'$   
 $T = 307.33'$   
 $L = 614.35'$   
 $E = 5.90'$   
 $SE = NC$   
 PC STA = 200+00.00  
 = 769+73.06 27.27' LT FAP 322  
 PT STA = 206+14.35  
 = 775+85.58 1.37' RT FAP 322

**CROSSOVER "A" SE DATA:**  
 TRANSITION SE:  
 STA 206+45 (-1.5%) TO STA 207+25 (+1.5%)

**CROSSOVER "A" CURVE #2 DATA:**  
 PI STA = 210+78.19  
 = 780+48.04 37.00' RT FAP 322  
 $\Delta = 4^\circ 24' 20''$  (LT)  
 $D = 0^\circ 42' 58''$   
 $R = 8,000.00'$   
 $T = 307.72'$   
 $L = 615.13'$   
 $E = 5.92'$   
 $SE = NC$   
 PC STA = 207+70.47  
 = 777+41.24 13.36' RT FAP 322  
 PT STA = 213+85.60  
 = 783+55.76 37.00' RT FAP 322

**NOTES:**  
 ALL STATIONS, OFFSETS, AND ELEVATIONS SHOWN ARE FOR FINAL PAVING.  
 SEE SHEET 71 FOR PLAN AND PROFILES.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**GEOMETRIC DETAILS**  
**CROSSOVER "A"**  
 FAP 322 (US 51)  
 SECTION 11-1  
 CHRISTIAN COUNTY  
 SCALE: 1"=20'  
 DATE: 3/21/05  
 DRAWN BY: SEB  
 CHECKED BY: EBB