

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8361	05-00083-08-SP	EFFINGHAM	40	3
STA.		TO STA.		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

SWMAIN

CURVE/POINT	CURVE INFO	POINT	STATION	NORTHING	EASTING	BEARING
SWMAIN-1	DELTA= 27° 07' 36.31" LT DEGREE= 64° 04' 38.17" R = 89.42' L = 42.33' T = 21.57'	PC	600+00.00	892,235.44	435,538.22	N 21° 17' 48.87" E
		PI	600+21.57	892,255.54	435,546.06	
		PT	600+42.33	892,277.00	435,543.87	N 5° 49' 47.44" W
SWMAIN-2	DELTA= 72° 55' 28.56" LT DEGREE= 145° 21' 32.93" R = 39.42' L = 50.17' T = 29.13'	PC	600+42.33	892,277.00	435,543.87	N 5° 49' 47.44" W
		PI	600+71.46	892,305.98	435,540.91	
		PT	600+92.50	892,311.66	435,512.34	N 78° 45' 16.00" W
SWM02		POT	602+64.23	892,345.14	435,343.91	N 77° 07' 04.32" W
SWM03		POT	604+74.56	892,392.04	435,138.88	N 78° 45' 20.88" W
SWMAIN-3	DELTA= 10° 55' 41.33" LT DEGREE= 5° 43' 50.92" R = 999.79' L = 190.69' T = 95.64'	PC	606+30.61	892,422.47	434,985.82	N 78° 45' 20.88" W
		PI	607+26.25	892,441.11	434,892.02	
		PT	608+21.30	892,441.64	434,796.39	N 89° 41' 02.21" W
SWM04		POT	609+13.00	892,441.49	434,704.69	S 89° 37' 07.98" W
SWM05		POT	610+33.99	892,440.69	434,583.70	S 89° 41' 04.52" W
SWMAIN-4	DELTA= 22° 19' 53.92" LT DEGREE= 23° 55' 53.07" R = 239.42' L = 93.32' T = 47.26'	PC	612+67.43	892,439.40	434,350.27	S 89° 41' 04.52" W
		PI	613+14.69	892,439.14	434,303.01	
		PT	613+60.74	892,420.95	434,259.39	S 67° 21' 10.60" W
SWMAIN-5	DELTA= 72° 22' 51.60" LT DEGREE= 145° 21' 33.37" R = 39.42' L = 49.79' T = 28.84'	PC	613+60.74	892,420.95	434,259.39	S 67° 21' 10.60" W
		PI	613+89.58	892,409.84	434,232.78	
		PT	614+10.54	892,381.11	434,235.31	S 5° 01' 41.01" E
SWMAIN-6	DELTA= 5° 10' 26.28" RT DEGREE= 1° 29' 26.86" R = 3,843.30' L = 347.06' T = 173.65'	PC	614+10.54	892,381.11	434,235.31	S 5° 01' 41.01" E
		PI	615+84.19	892,208.13	434,250.53	
		PT	617+57.60	892,034.49	434,250.08	S 0° 08' 45.27" W
SWMAIN-7	DELTA= 7° 51' 45.13" LT DEGREE= 5° 53' 21.79" R = 972.87' L = 133.50' T = 66.86'	PC	626+18.73	891,173.36	434,247.89	S 0° 08' 45.27" W
		PI	626+85.59	891,106.50	434,247.72	
		PT	627+52.23	891,040.25	434,256.70	S 7° 42' 59.86" E
SWMAIN-8	DELTA= 31° 55' 02.97" LT DEGREE= 28° 59' 27.41" R = 197.63' L = 110.09' T = 56.52'	PC	627+52.23	891,040.25	434,256.70	S 7° 42' 59.86" E
		PI	628+08.75	890,984.25	434,264.29	
		PT	628+62.33	890,940.72	434,300.34	S 39° 38' 02.83" E
SWMAIN-9	DELTA= 65° 38' 36.25" LT DEGREE= 190° 59' 09.35" R = 30.00' L = 34.37' T = 19.35'	PC	628+62.33	890,940.72	434,300.34	S 39° 38' 02.83" E
		PI	628+81.68	890,925.82	434,312.68	
		PT	628+96.70	890,930.92	434,331.35	N 74° 43' 20.92" E
SWM06		POT	635+88.87	891,113.30	434,999.06	N 74° 48' 55.28" E
SWM07		POT	638+82.98	891,190.34	435,282.90	N 74° 48' 55.28" E
SWM08		POT	641+94.82	891,272.02	435,583.86	N 74° 48' 55.28" E
SWMAIN-10	DELTA= 11° 22' 45.20" RT DEGREE= 54° 34' 02.67" R = 105.00' L = 20.85' T = 10.46'	PC	652+17.69	891,539.94	436,571.01	N 74° 48' 55.28" E
		PI	652+28.15	891,542.68	436,581.11	
		PT	652+38.54	891,543.37	436,591.54	N 86° 11' 40.49" E
SWMAIN-11	DELTA= 57° 25' 31.36" LT DEGREE= 143° 14' 22.02" R = 40.00' L = 40.09' T = 21.91'	PC	652+93.76	891,547.04	436,646.63	N 86° 11' 40.49" E
		PI	653+15.67	891,548.49	436,668.50	
		PT	653+33.85	891,567.70	436,679.04	N 28° 46' 09.13" E
SWMAIN-12	DELTA= 28° 36' 35.15" LT DEGREE= 57° 17' 44.81" R = 100.00' L = 49.93' T = 25.50'	PC	654+51.10	891,670.48	436,735.47	N 28° 46' 09.13" E
		PI	654+76.60	891,692.83	436,747.75	
		PT	655+01.03	891,718.33	436,747.82	N 0° 09' 33.98" E
SWM09		POT	655+47.37	891,764.67	436,747.95	N 0° 09' 26.43" E
SWMAIN-13	DELTA= 39° 51' 53.50" LT DEGREE= 100° 31' 08.08" R = 57.00' L = 39.66' T = 20.67'	PC	659+13.05	892,130.34	436,748.95	N 0° 09' 26.43" E
		PI	659+33.72	892,151.01	436,749.01	
		PT	659+52.71	892,166.91	436,735.80	N 39° 42' 27.07" W

SWGRO1

CURVE/POINT	CURVE INFO	POINT	STATION	NORTHING	EASTING	BEARING
SWGRO1-1	DELTA= 27° 07' 36.31" LT DEGREE= 64° 04' 38.17" R = 89.42' L = 42.33' T = 21.57'	PC	700+00.00	892,368.08	435,531.94	S 78° 45' 16.00" E
		PI	700+21.57	892,363.88	435,553.10	
		PT	700+42.33	892,369.78	435,573.85	N 74° 07' 07.69" E
SWGRO1-2	DELTA= 52° 49' 18.81" LT DEGREE= 145° 21' 32.93" R = 39.42' L = 36.34' T = 19.58'	PC	700+42.33	892,369.78	435,573.85	N 74° 07' 07.69" E
		PI	700+61.91	892,375.14	435,592.68	
		PT	700+78.67	892,393.38	435,599.79	N 21° 17' 48.87" E

SWGRO2

CURVE/POINT	CURVE INFO	POINT	STATION	NORTHING	EASTING	BEARING
SWGRO2-1	DELTA= 9° 13' 33.32" LT DEGREE= 5° 14' 11.79" R = 1,094.14' L = 176.18' T = 88.28'	PC	800+00.00	892,328.27	435,721.01	S 80° 49' 42.74" E
		PI	800+88.28	892,314.20	435,808.16	
		PT	801+76.18	892,314.28	435,896.44	N 89° 56' 43.95" E
SWGRO2-2	DELTA= 19° 05' 12.94" RT DEGREE= 17° 31' 11.43" R = 327.03' L = 108.94' T = 54.98'	PC	806+58.97	892,313.49	436,379.23	S 89° 27' 38.87" E
		PI	807+13.95	892,312.97	436,434.21	
		PT	807+67.91	892,294.51	436,486.00	S 70° 22' 25.94" E
SWG202		POT	807+88.52	892,289.67	436,506.03	

PDWAB

CURVE/POINT	CURVE INFO	POINT	STATION	NORTHING	EASTING	BEARING
PDW10		POT	900+00.00	890,141.93	435,169.27	N 82° 01' 16.51" E
PDWAB-1	DELTA= 73° 20' 42.77" LT DEGREE= 76° 23' 39.74" R = 75.00' L = 96.01' T = 55.85'	PC	900+23.32	890,145.16	435,192.37	N 82° 01' 16.51" E
		PI	900+79.17	890,152.92	435,247.67	
		PT	901+19.33	890,208.12	435,256.10	N 8° 40' 33.74" E
PDWAB-2	DELTA= 9° 44' 44.85" LT DEGREE= 57° 17' 44.81" R = 100.00' L = 17.01' T = 8.53'	PC	902+35.13	890,322.60	435,273.57	N 8° 40' 33.74" E
		PI	902+43.65	890,331.02	435,274.85	
		PT	902+52.14	890,339.55	435,274.69	N 1° 04' 11.11" W
PDWAB-3	DELTA= 11° 53' 52.62" RT DEGREE= 57° 17' 44.81" R = 100.00' L = 20.77' T = 10.42'	PC	906+16.26	890,703.61	435,267.90	N 1° 04' 11.11" W
		PI	906+26.68	890,714.03	435,267.70	
		PT	906+37.02	890,724.26	435,269.66	N 10° 49' 41.51" E
PDW11		POT	907+08.28	890,794.24	435,283.04	

PDGRV

CURVE/POINT	CURVE INFO	POINT	STATION	NORTHING	EASTING	BEARING
PDGRV1		POT	1000+00.00	892,460.65	435,582.66	N 89° 46' 19.26" W
PDGRV2		POT	1003+69.43	892,462.12	435,213.23	

BENCHMARK DATA

BENCHMARK #	DESCRIPTION	ELEV.
BM #1	CHISELED "SQUARE" ON NE CORNER BROKEN EAST HEADWALL OF CULVERT ALONG S. SIDE U.S. ROUTE 40	587.71
BM #2	60D NAIL IN EAST POLE OF 3RD DOUBLE POWER POLE LINE NORTH OF U.S. ROUTE 40	590.28
BM #3	DRILL HOLE IN CENTER OF PAVEMENT EAST OF THE NORTH INLET APPROX. SWGRO2 STA. 804+17	586.84
BM #4	TOP NUT OF F.H. AT N.E. QUADRANT OF RANEY ST. AND FAYETTE AVE.	587.40
BM #5	D.H. IN CONCRETE FOUNDATION OF LIGHT STANDARD APPROX. STA. SWMAIN 642+28, 325' LT	591.20

REVISIONS	
NAME	DATE