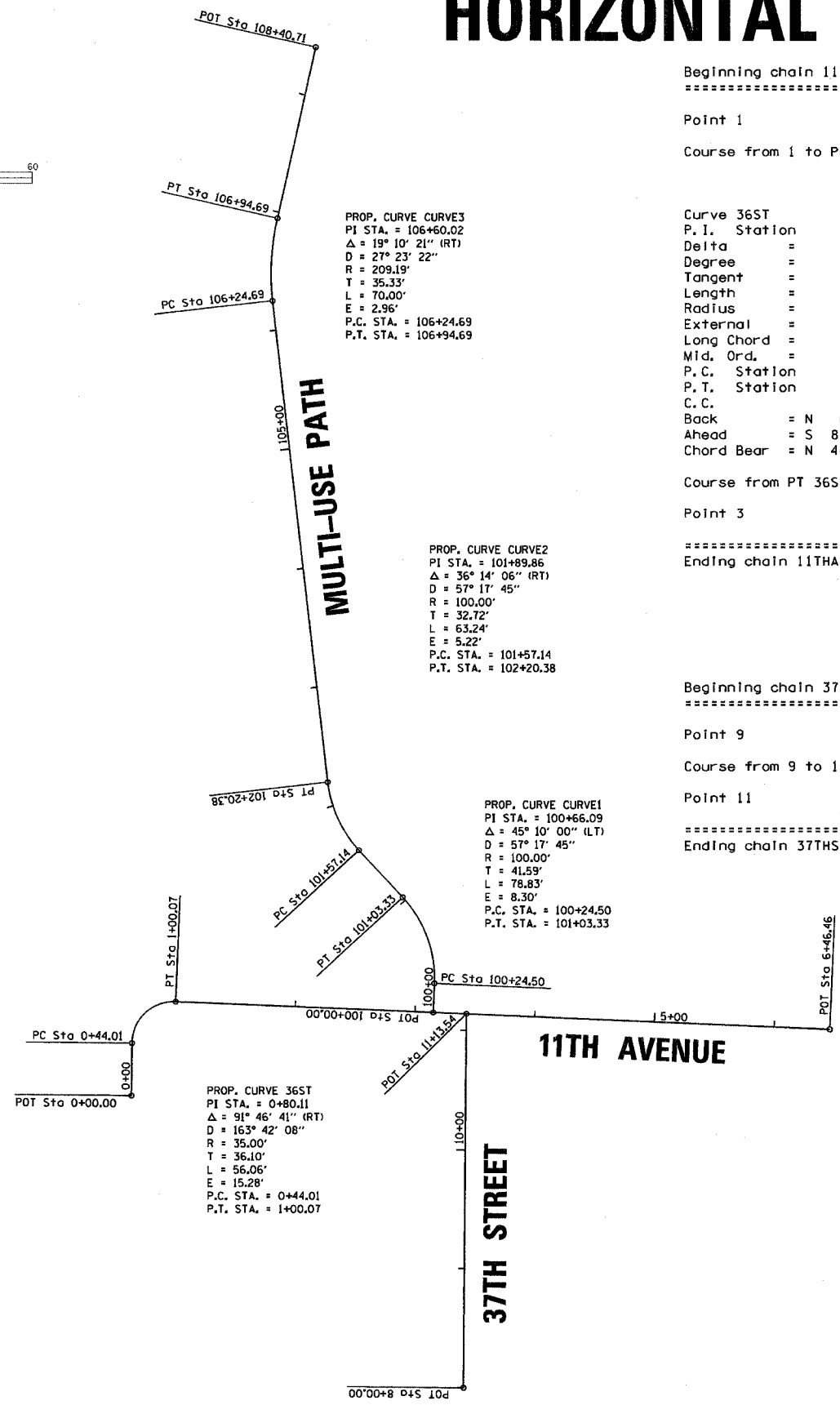
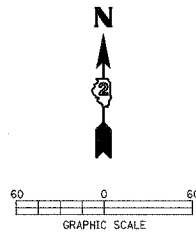


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
05-00174-00-BT	ROCK ISLAND	112	16	
STA. TO STA.				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

# HORIZONTAL AND VERTICAL CONTROL



Beginning chain 11THAVE description  
 Point 1 N 1,760,642.25 E 2,191,650.79 Sta 0+00.00  
 Course from 1 to PC 36ST N 0° 38' 32.29" E Dist 44.01

Curve Data  
 Curve 36ST  
 P.I. Station 0+80.11 N 1,760,722.36 E 2,191,651.69  
 Delta = 91° 46' 41.45" (RT)  
 Degree = 163° 42' 08.02"  
 Tangent = 36.10  
 Length = 56.06  
 Radius = 35.00  
 External = 15.28  
 Long Chord = 50.26  
 Mid. Ord. = 10.64  
 P.C. Station 0+44.01 N 1,760,686.26 E 2,191,651.28  
 P.T. Station 1+00.07 N 1,760,720.83 E 2,191,687.76  
 C.C. N 1,760,685.86 E 2,191,686.28  
 Back = N 0° 38' 32.29" E  
 Ahead = S 87° 34' 46.26" E  
 Chord Bear = N 46° 31' 53.01" E

Course from PT 36ST to 3 S 87° 34' 46.26" E Dist 546.39  
 Point 3 N 1,760,697.76 E 2,192,233.66 Sta 6+46.46  
 Ending chain 11THAVE description

Beginning chain 37THST description  
 Point 9 N 1,760,397.05 E 2,191,927.63 Sta 8+00.00  
 Course from 9 to 11 N 0° 29' 32.16" E Dist 313.54  
 Point 11 N 1,760,710.58 E 2,191,930.32 Sta 11+13.54  
 Ending chain 37THST description

Beginning profile P11THAVE1 description:

	STATION	ELEV	GRADE	TOTAL L	BACK L	AHEAD L
VPI 1	0+57.42	698.27				
VPC	0+80.00	698.60	1.47	K = 5.4	SSD = 190.9	
High Point	0+88.02	698.66				
VPI 2	0+90.00	698.75		20.00	10.00	10.00
VPT	1+00.00	698.53	-2.20			
VPC	1+20.00	698.09	-2.20	K = 18.2	SSD = 231.4	
VPI 3	1+50.00	697.43		60.00	30.00	30.00
VPT	1+80.00	695.78	-5.50			
VPC	1+80.00	695.78	-5.50	K = 19.0		
VPI 4	2+80.00	690.28		200.00	100.00	100.00
Low Point	2+84.76	692.90				
VPT	3+80.00	695.28	5.00			
VPC	3+80.00	695.28	5.00	K = 25.5	SSD = 190.8	
VPI 5	4+50.00	698.78		140.00	70.00	70.00
High Point	5+07.27	698.46				
VPT	5+20.00	698.43	-0.50			
VPC	5+50.00	698.28	-0.50	K = 13.0	SSD = 197.3	
VPI 6	5+75.00	698.15		50.00	25.00	25.00
VPT	6+00.00	697.07	-4.36			
VPC	6+00.00	697.07	-4.36	K = 3.7		
VPI 7	6+10.00	696.63		20.00	10.00	10.00
Low Point	6+16.24	696.71				
VPT	6+20.00	696.73	1.01			
VPI 8	6+23.87	696.77	1.01			
VPI 9	6+33.50	696.89	1.25			

Ending profile P11THAVE1 description

Beginning profile P37THST description:

	STATION	ELEV	GRADE	TOTAL L	BACK L	AHEAD L
VPI 1	9+86.68	693.27				
VPI 2	9+99.50	692.53	-5.78			
VPC	10+00.00	692.50	-5.78	K = 5.6		
VPI 3	10+25.00	691.06		50.00	25.00	25.00
Low Point	10+32.21	691.57				
VPT	10+50.00	691.85	3.19			
VPI 4	11+01.55	693.50	3.19			

Ending profile P37THST description

PLOT DATE = #DATE#  
 FILE NAME = #FILE#  
 PLOT SCALE = #SCALE#  
 USER NAME = #USER#

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

## HORIZONTAL AND VERTICAL CONTROL

SCALE: VERT. HORIZ.  
 DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_