

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

FAP ROUTE 781 (ILL ROUTE 33)  
SECTION (102Z, 108Z, 108)RS-2  
PROJECT: F-0781(028)  
CRAWFORD COUNTY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782		CRAWFORD	37	1

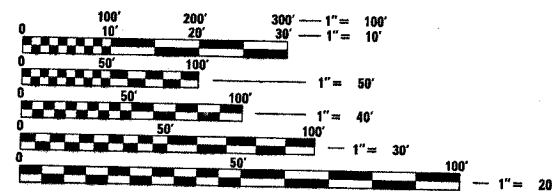
CONTRACT NO. 94660  
• (102Z, 108Z, 108)RS-2

FOR INDEX OF SHEETS, SEE SHEET NO. 2

STATION EQUATIONS

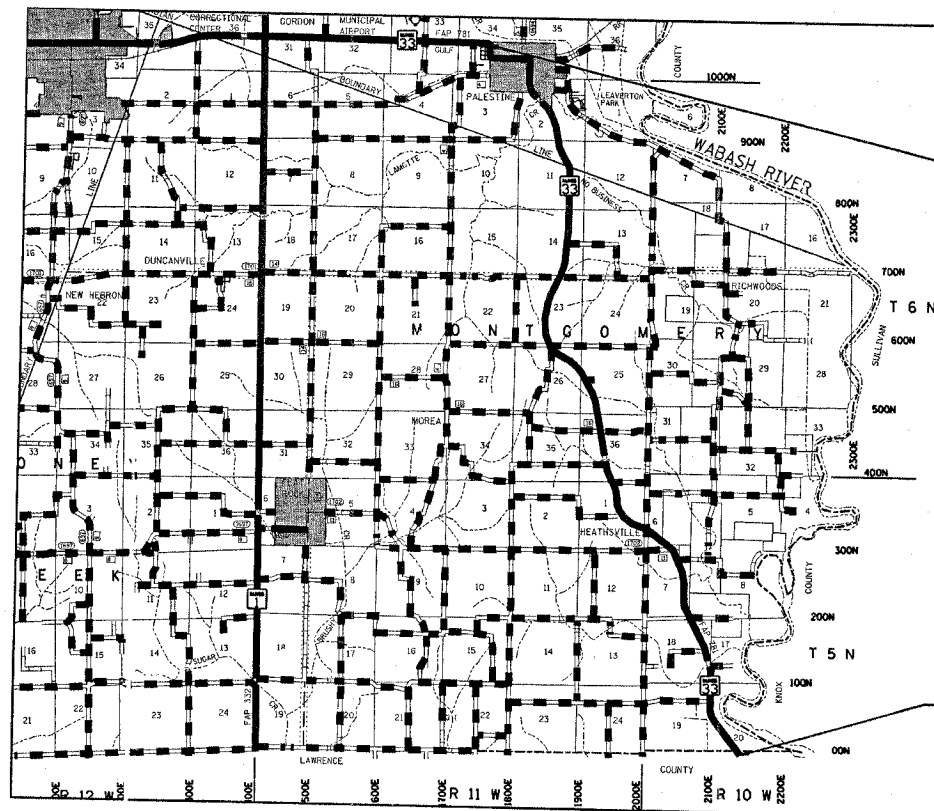
186+18.0 BK	=	5+53.00 AH
39+78.1 BK	=	0+00.00 AH
27+82.6 BK	=	28+36.9 AH
63+44.2 BK	=	64+21.7 AH
88+98.4 BK	=	89+08.2 AH
100+01.4 BK	=	100+22.7 AH
157+54.3 BK	=	157+57.7 AH
182+78.3 BK	=	182+85.5 AH
221+42.3 BK	=	221+60.6 AH
236+32.1 BK	=	236+39.4 AH
252+73.2 BK	=	254+11.8 AH
283+10.5 BK	=	281+22.8 AH
309+17.2 BK	=	309+26.0 AH
364+06.0 BK	=	364+11.4 AH
378+58.2 BK	=	378+69.0 AH
408+50.8 BK	=	409+66.9 AH
424+83.2 BK	=	424+85.9 AH
443+53.9 BK	=	443+56.5 AH
451+72.5 BK	=	452+89.8 AH
475+42.4 BK	=	475+48.7 AH
497+30.0 BK	=	497+41.6 AH
534+49.0 BK	=	534+50.9 AH
552+43.0 BK	=	552+48.0 AH
596+69.8 BK	=	597+46.5 AH

ADT (2005) = 2000



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

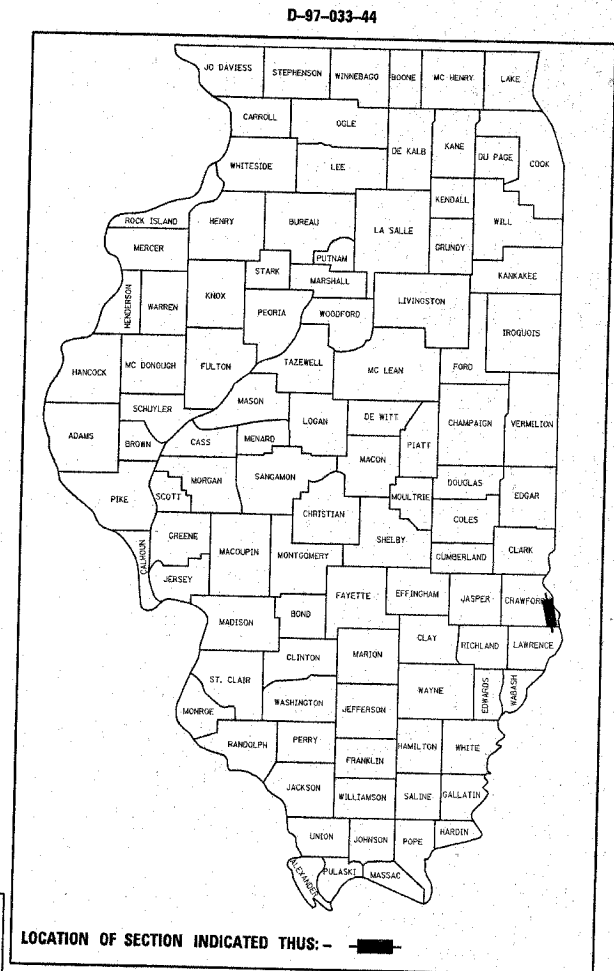
J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123



C-97-071-04

FAP ROUTE 781  
SECTION (102Z, 108Z, 108)RS-2  
CRAWFORD COUNTY  
BEGINS  
STA. 179+36.00

FAP ROUTE 781  
SECTION (102Z, 108Z, 108)RS-2  
CRAWFORD COUNTY  
ENDS  
STA. 623+14



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED March 19, 2007  
Chris H. Reed  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 11, 2007  
Eric E. Harsh  
INTERIM ENGINEER OF DESIGN AND ENVIRONMENT

May 11, 2007  
Milton R. Swafford  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

PROJECT ENGINEER : BILL STANLEY  
SQUAD LEADER : MYRA OLTMAN  
DESIGNER : MYRA OLTMAN  
TELEPHONE : 217/342-3951 EX 314

CONTRACT NO. 94660

GROSS LENGTH = 66129 FEET = 12.52 MILES  
NET LENGTH = 65931 FEET = 12.49 MILES



# SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	*	CRAWFORD	37	3
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* (102Z, 108Z, 1018)RS-2				

SUMMARY OF QUANTITIES			80% FED. 20% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		1000		
20400800	FURNISHED EXCAVATION	CU YD	60.4	60.4		
25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.07	0.07		
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	182	182		
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	16152	16152		
40600300	AGGREGATE (PRIME COAT)	TON	322	322		
40600895	CONSTRUCTING TEST STRIP	EACH	1	1		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	293	293		
40600990	TEMPORARY RAMP	SQ YD	73	73		
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", NTD	TON	13569	13569		
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	25	25		
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	83225	83225		
44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	78005	78005		
44200140	PAVEMENT PATCHING, TYPE I, 12 INCH	SQ YD	556	556		
44200144	PAVEMENT PATCHING, TYPE II, 12 INCH	SQ YD	1274	1274		
44200148	PAVEMENT PATCHING, TYPE III, 12 INCH	SQ YD	216	216		
44200150	PAVEMENT PATCHING, TYPE IV, 12 INCH	SQ YD	202	202		
48101200	AGGREGATE SHOULDERS, TYPE B	TON	2459	2459		
* 63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	175	175		
* 63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	4	4		
63200310	GUARDRAIL REMOVAL	FOOT	60	60		
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	5	5		
67100100	MOBILIZATION	L SUM	1	1		
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1		
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1		
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	19836	19836		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	20544	20544		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	67892	67892		
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	57.6	57.6		
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	19109	19109		
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	33	33		
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	177952	177952		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	964	964		

SUMMARY OF QUANTITIES			80% FED. 20% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		1000		
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	8	8		
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4		
NP X0320882	GUTTERS TO BE CLEANED	FOOT	11107	11107		
Z0025500	FURNISHING AND INSTALLING PROPERTY MARKERS	EACH	1	1		
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1		

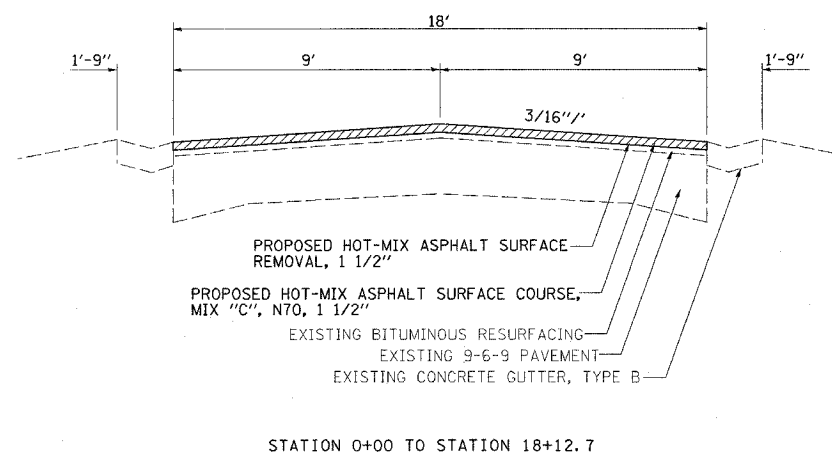
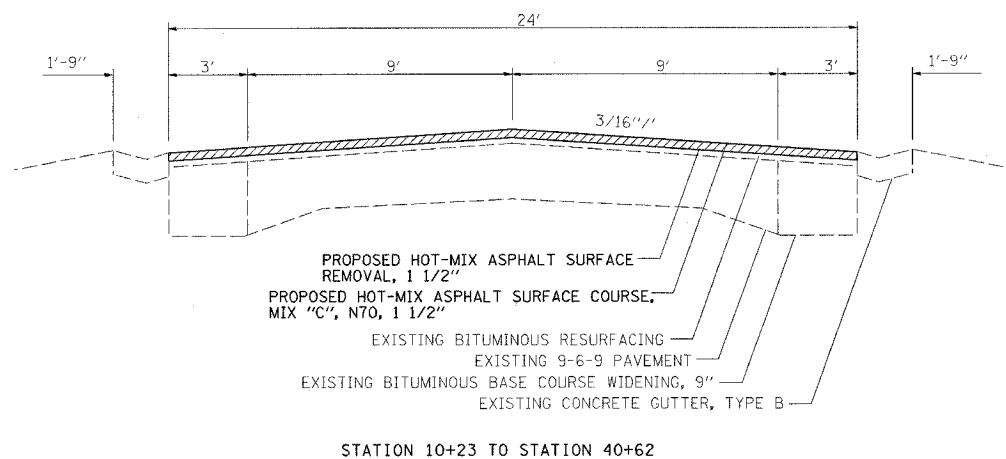
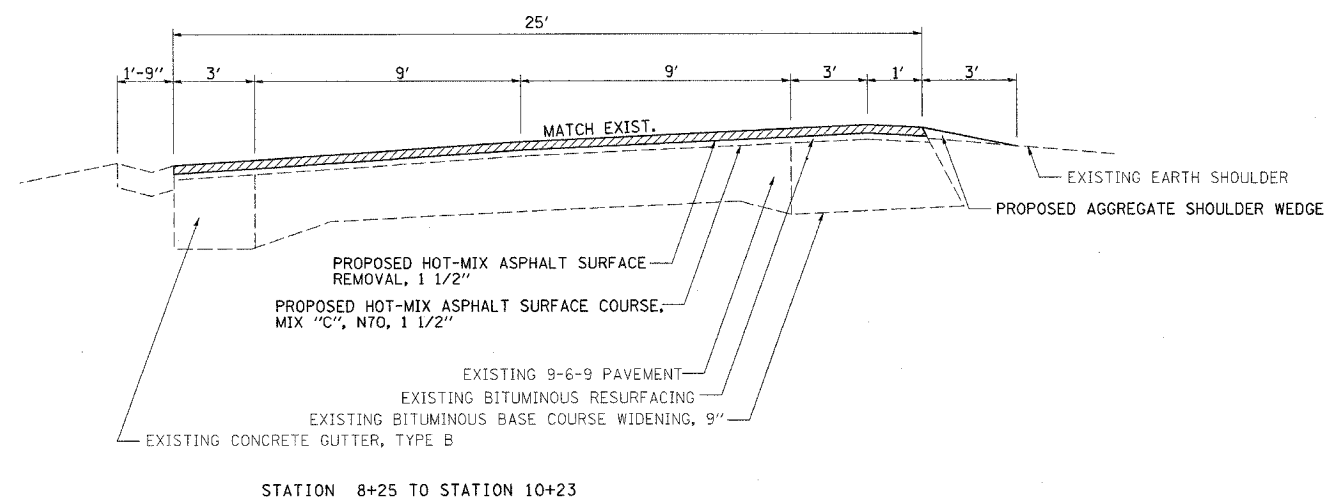
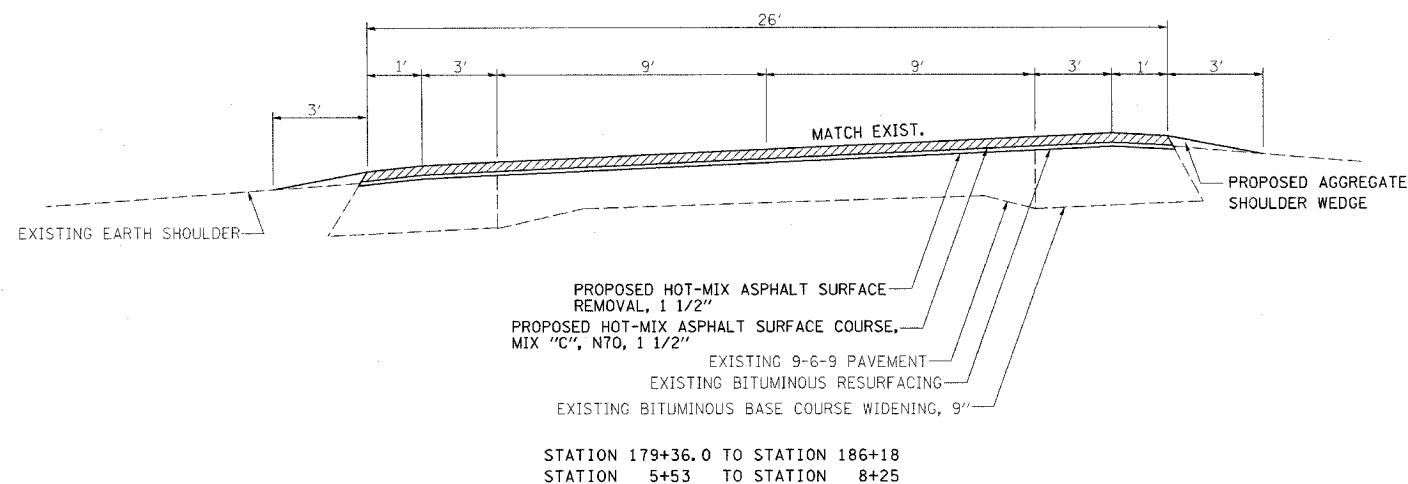
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USER NAME = \*USER\*

NP = NON-PARTICIPATING  
\*SPECIALTY ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**SUMMARY OF QUANTITIES**  
SCALE: VERT. \_\_\_\_\_  
DATE: \_\_\_\_\_ HORIZ. \_\_\_\_\_  
DRAWN BY \_\_\_\_\_  
CHECKED BY \_\_\_\_\_

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782		CRAWFORD	37	4
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• (102Z, 108Z, 1018)RS-2				



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REVISIONS	
NAME	DATE

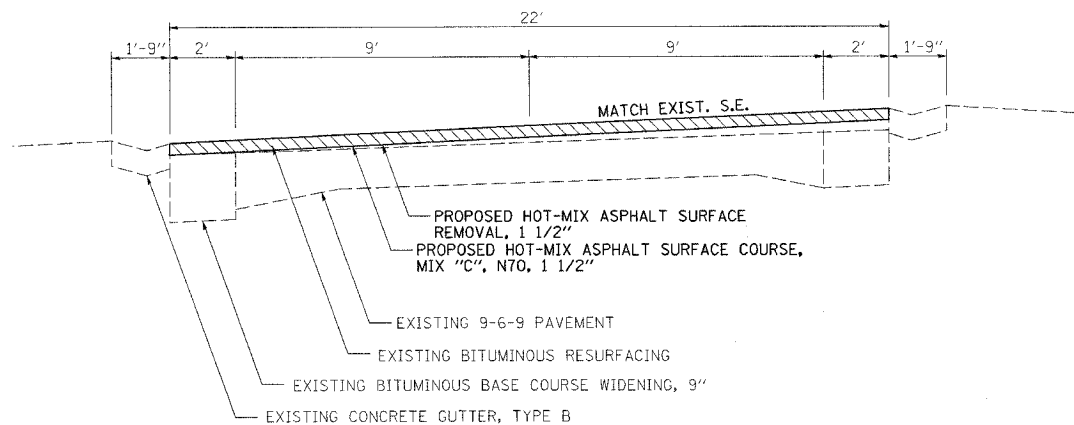
ILLINOIS DEPARTMENT OF TRANSPORTATION

**TYPICAL SECTIONS**

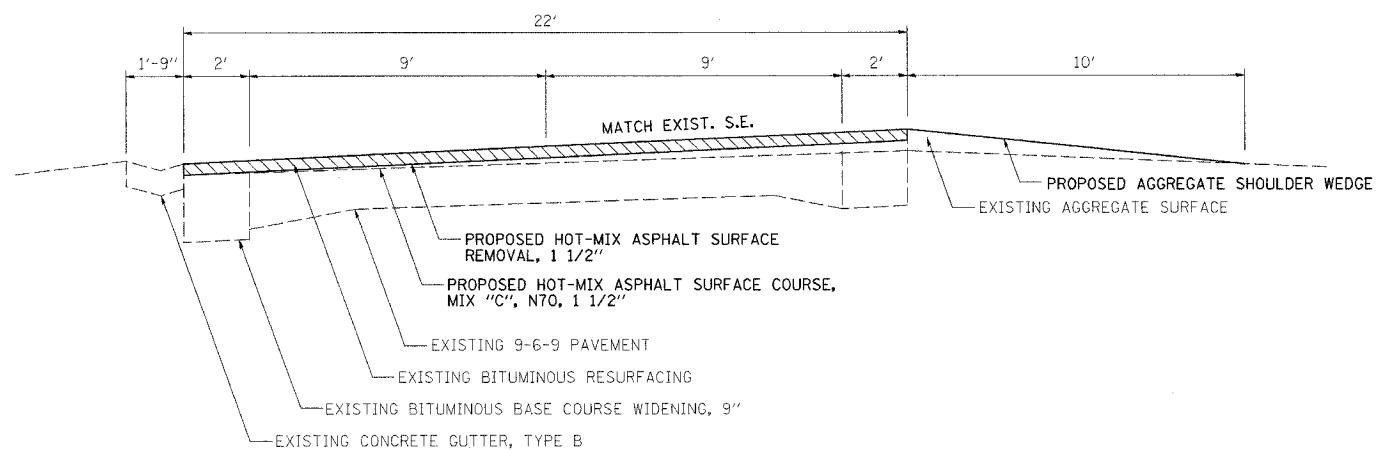
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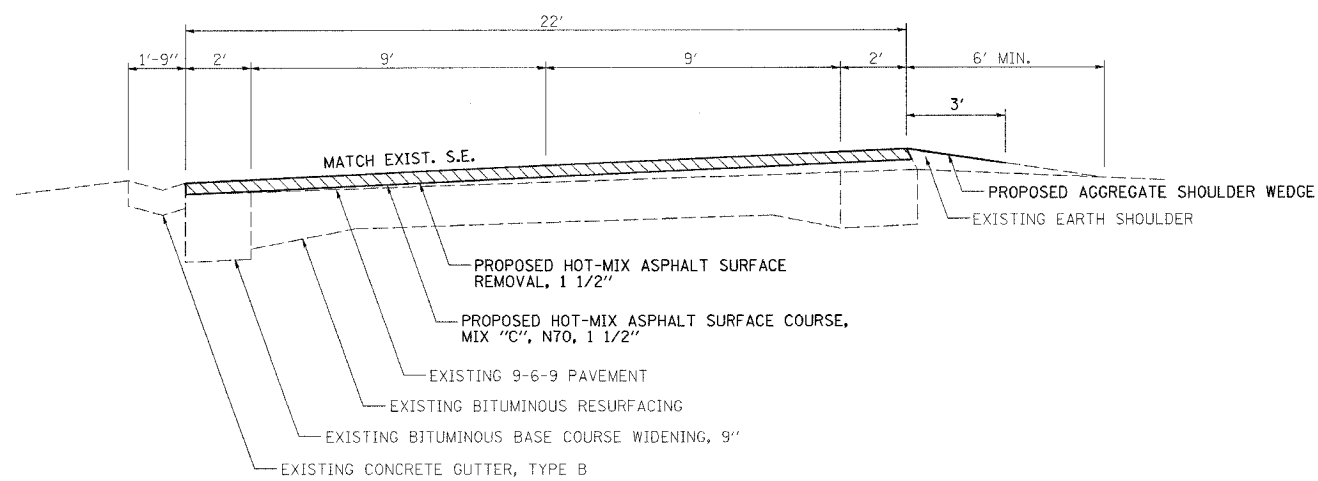
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782		CRAWFORD	37	5
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• (102Z, 108Z, 1018)RS-2				



STATION 18+12.7 TO STATION 20+42



STATION 20+42 TO STATION 22+50



STATION 22+50 TO STATION 27+29  
STATION 84+13 TO STATION 89+84

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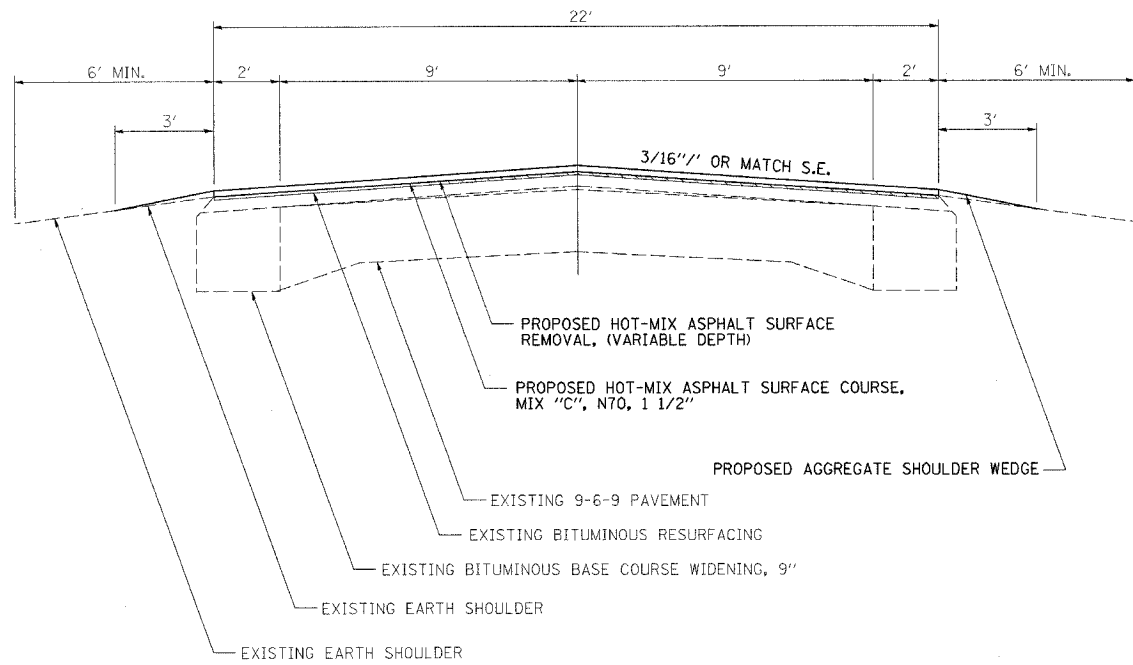
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**TYPICAL SECTIONS**

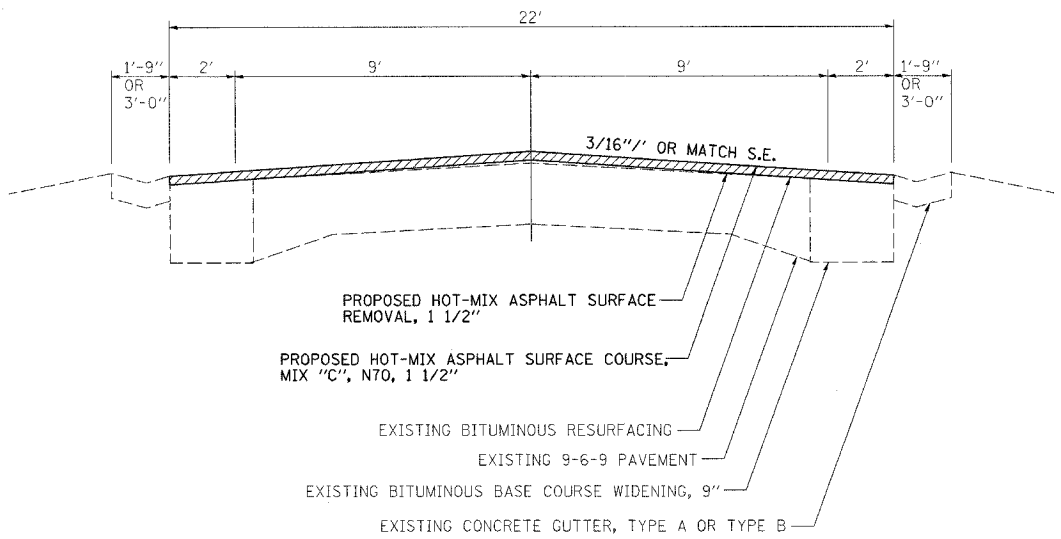
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DATE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	•	CRAWFORD	37	6
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• (102Z, 108Z, 1018)RS-2				

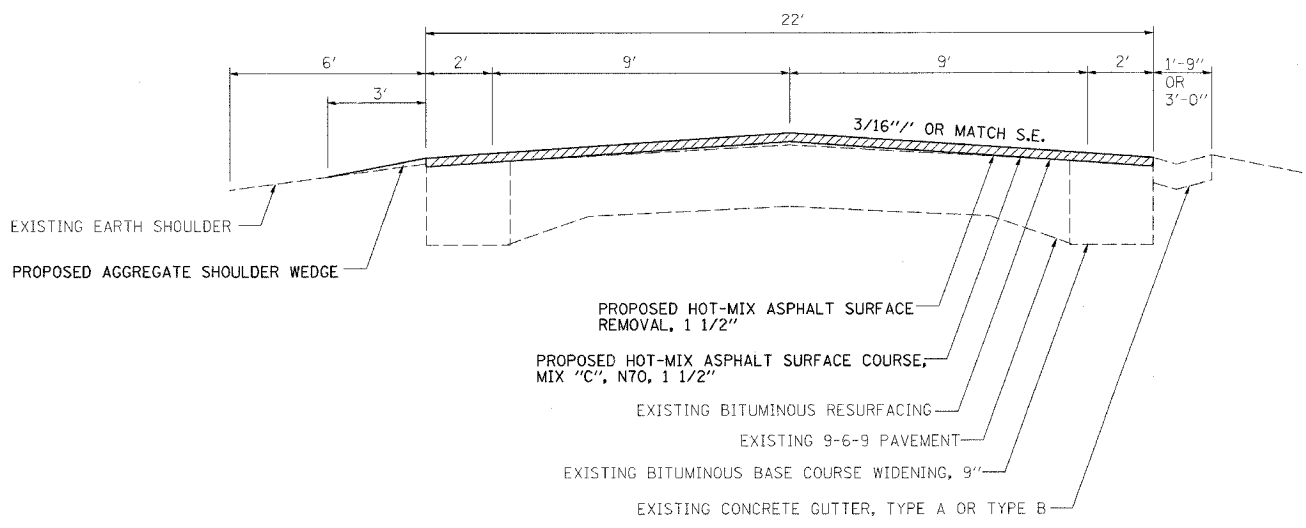


STATION 27+29 TO	STATION 43+83
STATION 89+84 TO	STATION 90+76
STATION 101+99 TO	STATION 118+90*
STATION 134+75 TO	STATION 163+36
STATION 174+91 TO	STATION 178+00
STATION 184+75 TO	STATION 305+71
STATION 337+65 TO	STATION 368+09
STATION 395+61 TO	STATION 418+86
STATION 444+95 TO	STATION 445+42
STATION 497+99 TO	STATION 516+85
STATION 540+12 TO	STATION 606+03

\*PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"



STATION 43+83 TO	STATION 54+94
STATION 61+59 TO	STATION 84+13
STATION 118+90 TO	STATION 134+75
STATION 163+36 TO	STATION 174+91
STATION 178+00 TO	STATION 184+75
STATION 305+71 TO	STATION 337+65
STATION 368+09 TO	STATION 395+61
STATION 418+86 TO	STATION 427+28
STATION 454+85 TO	STATION 470+24
STATION 473+80 TO	STATION 497+99
STATION 517+26 TO	STATION 540+12
STATION 606+03 TO	STATION 623+14



GUTTER RIGHT SHOULDER LEFT	
STATION 54+94 TO	STATION 61+59
STATION 427+28 TO	STATION 444+95
STATION 445+42 TO	STATION 454+85
STATION 470+24 TO	STATION 473+80
STATION 516+85 TO	STATION 517+26
GUTTER LEFT SHOULDER RIGHT	
STATION 84+13 TO	STATION 89+84
STATION 90+76 TO	STATION 101+99

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

## TYPICAL SECTIONS

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HORIZ. \_\_\_\_\_

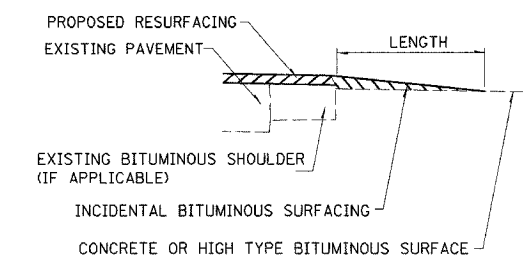
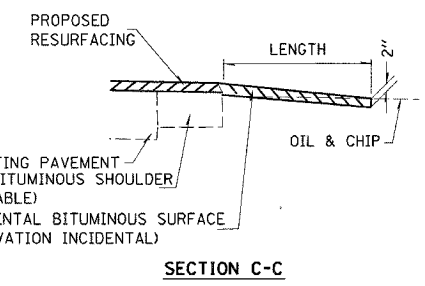
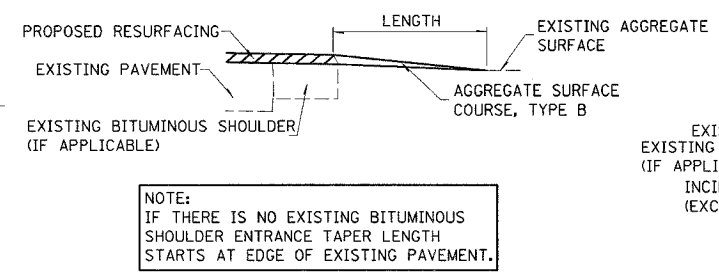
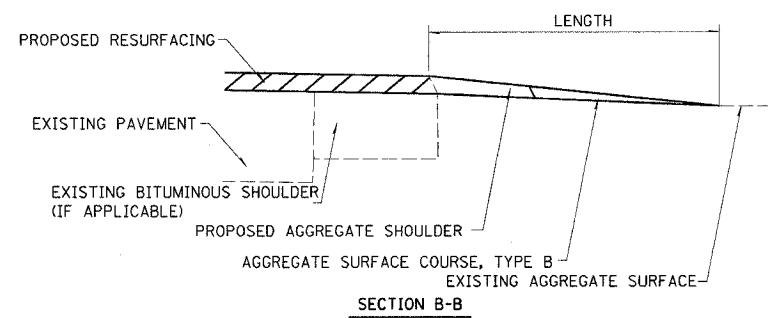
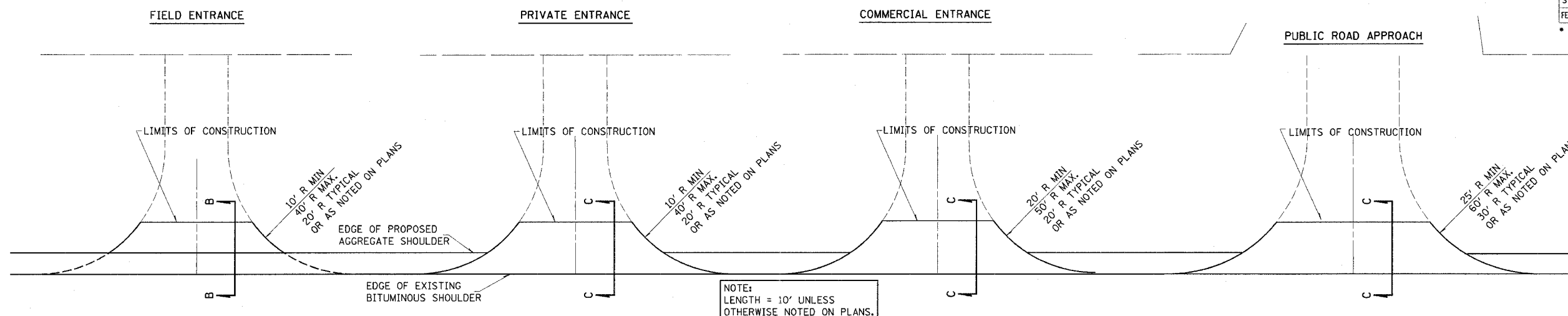
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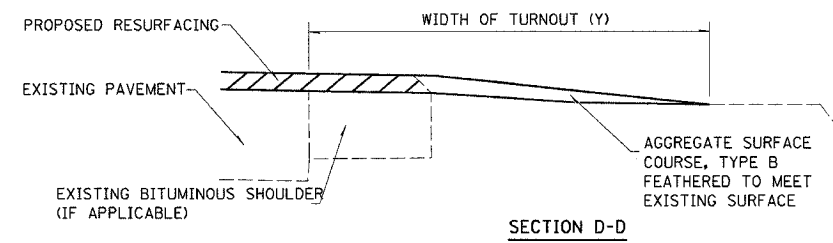
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REBS

CONTRACT NO. 94660				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782		CRAWFORD	37	7
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• (102Z, 108Z, 1018)RS-2				



NOTE:  
IF THERE IS NO EXISTING BITUMINOUS SHOULDER ENTRANCE TAPER LENGTH STARTS AT EDGE OF EXISTING PAVEMENT.



TYPICAL SECTION AT MAILBOX TURNOUT  
NOTE: SEE STANDARD 406201 FOR MAILBOX TURNOUT DETAILS

SIDE	STATION	TYPE	INCIDENTAL HOT-MIX ASPHALT SURFACING*		AGGREGATE SURFACE COURSE, TYPE B
			TON	TON	
RT	27+45	FE		2.0	
RT	37+41	PRA		3.7	
RT	137+00	FE		1.8	
LT	137+60	FE		1.8	
LT	140+70	PE		2.6	
RT	140+70	MBT		3.5	
LT	154+50	PE	2.0		
RT	154+50	MBT		3.5	
LT	156+15	PE		2.2	
RT	156+40	PE		1.4	
RT	157+05	MBT		3.5	
LT	158+20	PRA	3.4		
RT	158+22	PRA		2.8	
RT	186+07	PRA	6.8		
LT	186+07	PRA		4.9	
LT	188+80	FE		1.4	
LT	199+23	PE		2.0	
RT	199+23	MBT		3.5	
LT	201+00	FE		1.4	
RT	201+00	FE		1.4	
RT	212+00	FE		1.4	
LT	217+50	FE		1.4	
LT	218+65	CE		2.0	
LT	220+10	CE		2.8	
LT	221+88	PE		2.9	
RT	222+13	FE		1.4	
RT	222+30	MBT2		2.1	
RT	230+25	FE		1.4	
RT	242+50	PRA		5.7	
LT	243+00	PRA		5.0	
LT	246+25	PRA	4.5		
LT	259+35	FE		1.4	
RT	259+55	PE		1.4	
LT	260+10	MBT		3.5	
LT	265+85	MBT		3.5	
RT	265+85	PE		2.2	
RT	267+30	FE		1.4	
LT	271+80	PE		2.2	
LT	278+60	PE		2.8	
LT	278+81	MBT2		2.1	
LT	280+35	CE		3.5	
RT	284+10	PE		1.4	
LT	284+40	PRA		5.2	
RT	284+67	FE		1.4	
RT	287+68	PE		2.2	
LT	287+68	MBT		3.5	
LT	343+50	FE		1.4	
LT	348+20	FE		1.4	
RT	354+25	PRA		4.3	
LT	361+00	FE		1.8	
LT	364+25	PE		1.8	
RT	365+55	CE		1.8	
RT	399+40	PRA	4.7		
LT	402+20	PE		2.0	
LT	403+25	FE		1.4	
RT	403+80	FE		1.4	
LT	408+15	MBT2		2.1	
LT	408+15	PE		2.0	
RT	412+50	FE		1.4	
LT	498+10	PE		2.5	
RT	498+40	FE		1.4	
RT	503+50	MBT		3.5	
RT	503+73	PRA		2.0	
LT	503+87	PRA		2.0	
LT	516+40	PE		2.0	
RT	516+40	MBT		3.5	
LT	517+15	PE		2.0	
RT	545+25	FE		2.0	
LT	549+15	PE		6.1	
LT	557+80	PE		2.0	
RT	557+80	MBT		3.5	
LT	558+95	FE		1.4	
RT	561+05	FE		1.4	
RT	574+30	PE		1.4	
LT	574+50	PE		1.4	
RT	574+80	PRA	3.4		
LT	579+15	PE		1.8	
RT	580+03	MBT		3.5	
LT	580+03	PE		1.8	
LT	580+95	PE		1.8	
RT	584+00	FE		1.4	
LT	596+20	FE		1.4	
LT	TOTALS		25.0	82.0	

FE - FIELD ENTRANCE  
PE - PRIVATE ENTRANCE  
CE - COMMERCIAL ENTRANCE  
PRA - PUBLIC ROAD APPROACH  
MBT - MAILBOX TURNOUT

\*BITUMINOUS MATERIALS AND AGGREGATE (PRIME COAT) FOR ENTRANCES AND PUBLIC ROAD APPROACHES SHALL BE CONSIDERED INCIDENTAL TO INCIDENTAL BITUMINOUS SURFACING AS NOTED IN THE SPECIAL PROVISIONS

ISSUED: 08-03-99

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	*	CRAWFORD	37	9
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

RESURFACING SCHEDULE

STATION TO STATION		LENGTH	EXISTING PAVEMENT WIDTH	AREA	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	HOT-MIX ASPHALT SURFACE REMOVAL, (VARIABLE DEPTH)	AGGREGATE SHOULDERS, TYPE B	TEMPORARY RAMP
		LIN FT	FEET	SQ YD	GALLON	TON	TON	TON	SQ YD	SQ YD	TON	SQ YD
368+09.0	TO 378+58.2	1049.2	22.00	23082.4	257	5.1	215.4		2564.7			
378+58.2	= 378+69.0	STATION EQUATION	22.00									
378+69.0	TO 395+61.0	1692.0	22.00	37224.0	414	8.3	347.4		4136.0			
395+61.0	TO 395+91.0	30.0	22.00	660.0	7	0.1	6.2			73.3	2	
395+91.0	TO 408+50.8	1259.8	22.00	27715.6	308	6.2	258.7			3079.5	96	
408+50.8	= 409+66.9	STATION EQUATION	22.00									
409+66.9	TO 418+56.0	889.1	22.00	19560.2	217	4.3	182.6			2173.4	68	
418+56.0	TO 418+86.0	30.0	22.00	660.0	7	0.1	6.2			73.3	2	
418+86.0	TO 424+83.2	597.2	22.00	13138.4	146	2.9	122.6		1459.8			
424+83.2	= 424+85.9	STATION EQUATION	22.00									
424+85.9	TO 427+28.0	242.1	22.00	5326.2	59	1.2	49.7			591.8		
427+28.0	TO 443+53.9	1625.9	22.00	35769.8	397	7.9	333.9		3974.4			
443+53.9	= 443+56.5	STATION EQUATION	22.00									
443+56.5	TO 444+95.0	138.5	22.00	3047.0	34	0.7	28.4		338.6			
444+95.0	TO 445+42.0	47.0	22.00	1034.0	12	0.2	9.7		114.9			
445+42.0	TO 445+85.0	43.0	22.00	946.0	11	0.2	8.8		105.1			
445+85.0	TO 451+72.5	587.5	22.00	12925.0	144	2.9	120.6		1436.1			
451+72.5	= 451+89.8	STATION EQUATION	22.00									
451+89.8	TO 454+85.0	295.2	22.00	6494.4	72	1.4	60.6		721.6			
454+85.0	TO 470+24.0	1539.0	22.00	33858.0	376	7.5	316.0		3762.0			
470+24.0	TO 473+80.0	356.0	22.00	7832.0	87	1.7	73.1		870.2			
473+80.0	TO 475+42.4	162.4	22.00	3572.8	40	0.8	33.3		397.0			
475+42.4	= 475+48.7	STATION EQUATION	22.00									
475+48.7	TO 497+30.0	2181.3	22.00	47988.6	533	10.7	447.9		5332.1			
497+30.0	= 497+41.6	STATION EQUATION	22.00									
497+41.6	TO 497+99.0	57.4	22.00	1262.8	14	0.3	11.8		140.3			
497+99.0	TO 498+29.0	30.0	22.00	660.0	7	0.1	6.2		73.3	2		
498+29.0	TO 516+55.0	1826.0	22.00	40172.0	446	8.9	374.9		4463.6	139		
516+55.0	TO 516+85.0	30.0	22.00	660.0	7	0.1	6.2		73.3	2		
516+85.0	TO 517+26.0	41.0	22.00	902.0	10	0.2	8.4		100.2			
517+26.0	TO 534+49.0	1723.0	22.00	37906.0	421	8.4	353.8		4211.8			
534+49.0	= 534+50.9	STATION EQUATION	22.00									
534+50.9	TO 540+12.0	561.1	22.00	12344.2	137	2.7	115.2		1371.6			
540+12.0	TO 540+42.0	30.0	22.00	660.0	7	0.1	6.2		73.3	2		
540+42.0	TO 544+72.5	430.5	22.00	9471.0	105	2.1	88.4		1052.3	33		
544+72.5	TO 545+02.5	30.0	22.00	660.0	7	0.1	6.2	73.3		2	12.2	
545+02.5	TO 545+32.5	BRIDGE OMISSION	22.00	660.0				73.3		2	12.2	
545+32.5	TO 546+27.5	BRIDGE OMISSION	22.00	2090.0								
546+27.5	TO 546+57.5	BRIDGE OMISSION	22.00	660.0								
546+57.5	TO 546+87.5	30.0	22.00	660.0	7	0.1	6.2	73.3		2	12.2	
546+87.5	TO 552+43.0	555.5	22.00	12221.0	136	2.7	114.1		1357.9	42		
552+43.0	= 552+48.0	STATION EQUATION	22.00									
552+48.0	TO 596+69.8	4421.8	22.00	97279.6	1081	21.6	907.9		10808.8	336		
596+69.8	= 597+46.5	STATION EQUATION	22.00									
597+46.5	TO 605+73.0	826.5	22.00	18183.0	202	4.0	169.7		2020.3	63		
605+73.0	TO 606+03.0	30.0	22.00	660.0	7	0.1	6.2		73.3	2		
606+03.0	TO 623+14.0	1711.0	22.00	37642.0	418	8.4	351.3		4182.4			
TOTALS					16152	322	13569	293	83225	78005	2459	73

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

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>RESURFACING SCHEDULE</b>  SCALE: VERT. _____ HORIZ. _____ DATE _____
DRAWN BY _____		CHECKED BY _____
DATE _____		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	*	CRAWFORD	37	10
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PAVEMENT MARKING SCHEDULE

STATION TO STATION	LENGTH	SHORT-TERM PAVEMENT MARKING	WORK ZONE PAVEMENT MARKING REMOVAL	PAINT PAVEMENT MARKING - LINE 4"	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	RAISED REFLECTIVE PAVEMENT MARKER	TEMPORARY PAVEMENT MARKING LINE 4"	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	THERMOPLASTIC PAVEMENT MARKING - LINE 24"
		FEET	FOOT	SQ FT	FOOT	FOOT	EACH	FOOT	SQ FT
179+36.00 TO 185+26.00	590	177	642.2		1868	7	1868	58	33
185+26.00 TO 186+18.00	92	28	38.8		107	5	107		
5+53.00 TO 40+92.00	3539	1062	2538.9		7263	63	7263		
0+00.00 TO 27+82.60	2783	835	2013.1		5761	149	5761		
28+36.90 TO 33+73.00	536	161	420.0		1206	7	1206		
33+73.00 TO 42+93.00	920	276	999.0		2905	12	2905		
42+93.00 TO 57+13.00	1420	426	1940.6	5680	18	18	5680		
57+13.00 TO 63+44.00	631	189	862.3	2524	8	8	2524		
64+22.00 TO 68+26.00	404	121	451.2	1313	5	5	1313		
68+26.00 TO 71+61.00	335	101	262.5	754	4	4	754		
71+61.00 TO 81+81.00	1020	306	1139.0	3315	13	13	3315		
81+81.00 TO 88+98.40	717	215	801.1	2332	9	9	2332		
89+08.20 TO 95+11.00	603	181	823.8	2411	8	8	2411		
95+11.00 TO 100+01.00	490	147	669.6	1960	6	6	1960		
100+22.70 TO 114+73.00	1450	435	1619.5	4714	18	18	4714		
114+73.00 TO 118+03.00	330	99	451.0	1320	4	4	1320		
118+03.00 TO 128+83.00	1080	324	1206.0	3510	14	14	3510		
128+83.00 TO 143+53.00	1470	441	1151.5	3308	18	18	3308		
143+53.00 TO 153+68.00	1015	305	1133.4	3299	13	13	3299		
153+68.00 TO 157+54.30	386	116	528.0	1545	5	5	1545		
157+57.70 TO 158+36.00	78	24	71.3	206	1	1	206		
158+36.00 TO 177+16.00	1880	564	2099.4	6110	24	24	6110		
177+16.00 TO 181+41.00	425	128	580.9	1700	5	5	1700		
181+41.00 TO 182+78.00	137	41	153.0	445	2	2	445		
182+86.00 TO 191+34.00	848	254	880.3	2556	11	11	2556		
191+34.00 TO 194+70.50	337	101	263.6	757	4	4	757		
194+70.50 TO 221+42.33	2672	802	2093.0	6012	33	33	6012		
221+60.60 TO 236+32.10	1472	442	1152.7	3311	18	18	3311		
236+39.40 TO 252+60.00	1621	486	1189.8	3407	20	20	3407		
252+60.00 TO 252+73.20	13	4	14.7	43	0	0	43		
254+11.80 TO 265+09.00	1097	329	1225.2	3566	14	14	3566		
265+09.00 TO 279+19.00	1410	423	1927.0	5640	18	18	5640		
279+19.00 TO 283+10.50	392	118	437.2	1272	5	5	1272		
281+22.80 TO 286+21.00	498	150	530.7	1542	6	6	1542		
286+21.00 TO 305+31.00	1910	573	1496.2	4298	24	24	4298		
305+31.00 TO 309+17.20	386	116	431.3	1255	5	5	1255		
309+26.00 TO 315+65.00	639	192	693.6	2017	8	8	2017		
315+65.00 TO 317+00.00	135	41	184.5	540	2	2	540		
317+00.00 TO 327+90.00	1090	327	1197.1	3483	14	14	3483		
327+90.00 TO 348+90.00	2100	630	1645.0	4725	26	26	4725		
348+90.00 TO 358+90.00	1000	300	1095.6	3187	13	13	3187		
358+90.00 TO 364+06.00	516	155	705.2	2064	7	7	2064		
364+11.40 TO 378+58.20	1447	434	1977.3	5787	18	18	5787		
378+69.00 TO 408+50.80	2982	895	4025.1	11777	37	37	11777		
409+66.90 TO 423+72.00	1405	422	1920.3	5620	18	18	5620		
423+72.00 TO 424+83.20	111	33	124.2	361	1	1	361		
424+85.90 TO 427+49.00	263	79	293.8	855	3	3	855		
427+49.00 TO 431+55.00	406	122	453.3	1320	5	5	1320		
431+55.00 TO 443+53.90	1199	360	939.2	2698	15	15	2698		
443+56.30 TO 451+72.50	816	245	614.3	1761	10	10	1761		
451+89.80 TO 464+25.00	1235	371	945.9	2714	15	15	2714		
464+25.00 TO 473+25.00	900	270	1005.0	2925	11	11	2925		
473+25.00 TO 475+42.40	217	65	297.1	870	3	3	870		
475+48.70 TO 476+95.00	146	44	200.0	585	2	2	585		
476+95.00 TO 497+30.00	2035	611	2781.1	8140	25	25	8140		
497+41.60 TO 498+83.00	141	42	193.2	566	2	2	566		
498+83.00 TO 508+03.00	920	276	1007.4	2930	12	12	2930		
508+03.00 TO 514+53.00	650	195	509.2	1463	8	8	1463		
514+53.00 TO 535+13.00	2060	618	2287.0	6655	26	26	6655		
535+13.00 TO 541+03.00	590	177	462.2	1328	7	7	1328		
541+03.00 TO 552+43.00	1140	342	1273.0	3705	14	14	3705		
552+48.00 TO 559+48.00	700	210	781.6	2275	9	9	2275		
559+48.00 TO 574+68.00	1520	456	1190.7	3420	19	19	3420		
574+68.00 TO 584+98.00	1030	309	1128.5	3283	13	13	3283		
584+98.00 TO 592+08.00	710	213	970.4	2840	9	9	2840		
592+08.00 TO 596+69.80	462	139	515.7	1501	6	6	1501		
597+46.50 TO 604+24.50	678	203	757.1	2204	9	9	2204		
604+24.50 TO 623+14.00	1890	567	1480.1	4251	24	24	4251		
TOTALS		19836	67892	177952	19109	964	197062	58	33

PAVEMENT PATCHING, 12 IN

STATION	TY I	TY II	TY III	TY IV
	SQ YD	SQ YD	SQ YD	SQ YD
TOTAL	555.8	1274.0	215.7	201.6

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKING AND PATCHING SCHEDULES**

SCALE: VERT.      DRAWN BY  
          HORIZ.      CHECKED BY  
DATE

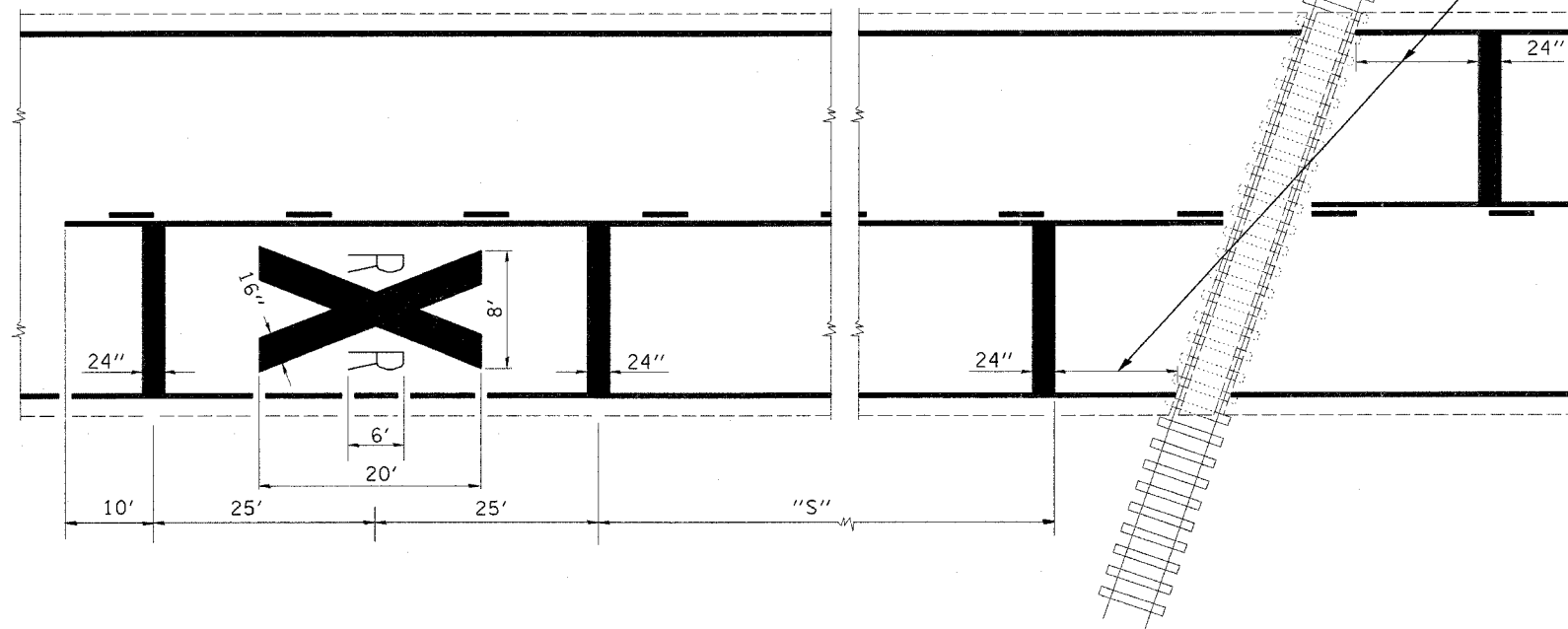


EPMRR

CONTRACT NO. 94660				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	•	CRAWFORD	37	12
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
• (102Z, 108Z, 1018)RS-2				

THE RAILROAD APPROACH NO PASSING ZONE LINES ARE TO BE YELLOW.  
ALL OTHER RAILROAD APPROACH MARKINGS ARE TO BE WHITE.

THE STOP BAR SHOULD BE PLACED 8' FROM THE GATE (IF PRESENT), OTHERWISE  
IT SHOULD NOT BE CLOSER THAN 15' FROM THE NEAREST RAIL.



SPEED (MPH)	"S"
40	90'
45	140'
50	215'
55	290'
60	365'

IN URBAN AREAS THE DISTANCE MAY  
BE VARIED TO FIT THE APPROACH SPEED,  
SIGHT DISTANCE, AND AVAILABLE SPACE.  
"S" SHOULD NEVER BE LESS THAN 50'.

TYPICAL PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

NOT TO SCALE

REVISIONS	
NAME	DATE
MMO	12-99
DRM	08-04

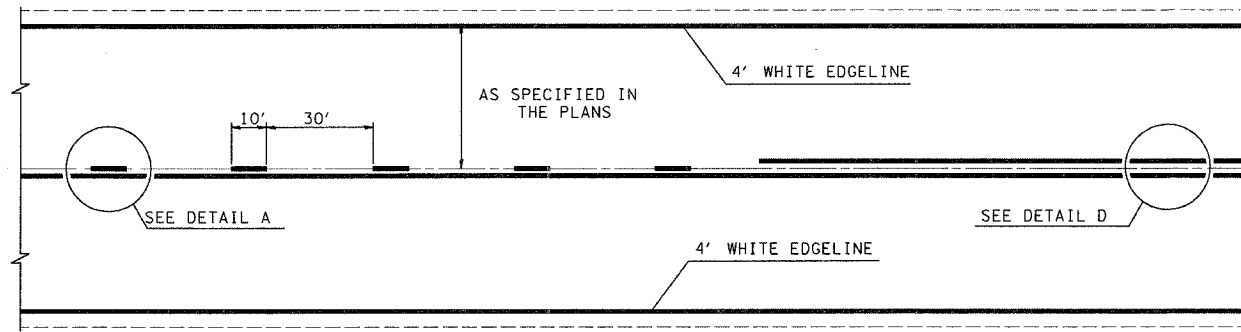
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PAVEMENT MARKINGS AT  
RAILROAD HIGHWAY  
GRADE CROSSING**

SCALE: VERT.  
HORIZ.  
DATE

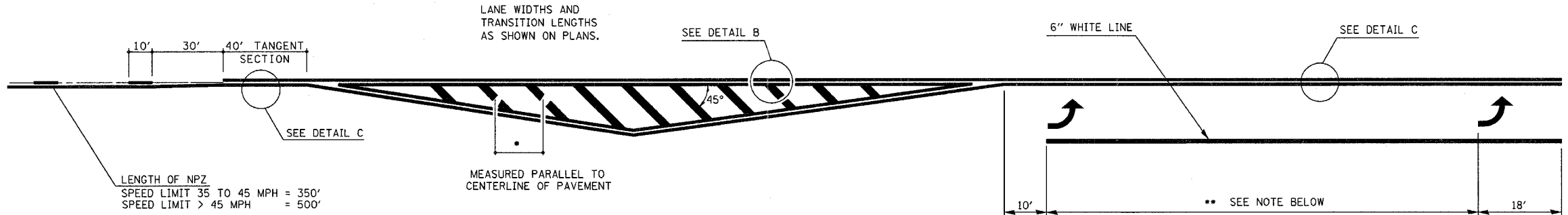
DRAWN BY  
CHECKED BY

EPMD

CONTRACT NO. 94660				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782		CRAWFORD	37	13
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
* (102Z, 108Z, 1018)RS-2				



TYPICAL CENTERLINE, NO PASSING ZONE LINE (NPZ) & EDGELINE MARKINGS  
2-LANE PAVEMENT



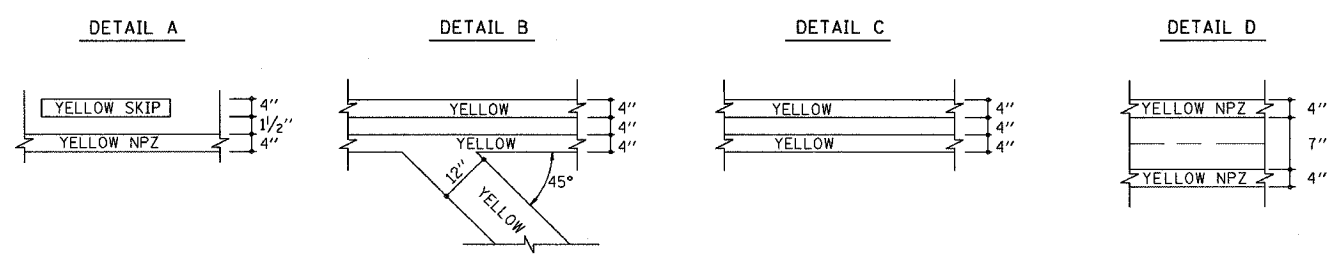
LENGTH OF NPZ  
SPEED LIMIT 35 TO 45 MPH = 350'  
SPEED LIMIT > 45 MPH = 500'

**\*DIAGONAL SPACING**

SPEED LIMIT	< 30 MPH	= 15'
SPEED LIMIT	30 TO 45 MPH	= 20'
SPEED LIMIT	> 45 MPH	= 30'

\*\* PLACE THE FIRST ARROW EVEN WITH THE BEGINNING OF THE TURN BAY.  
PLACE ANOTHER ARROW 18' BACK FROM THE STOP BAR, IF REQUIRED.  
ADD ADDITIONAL ARROWS TO MAINTAIN A MAXIMUM OF 80' SPACING.

- NOTES:
1. OMIT EDGELINE THRU SIDE ROADS.
  2. TAPER RATES, LANE WIDTHS, AND STORAGE LENGTHS AS SHOWN ON THE PLANS.
  3. WHEN MEDIANS ARE PRESENT, PLACE A SINGLE YELLOW STRIPE AROUND ITS PERIMETER.



REVISIONS	
NAME	DATE
MMO	12-99
DRM	08-04

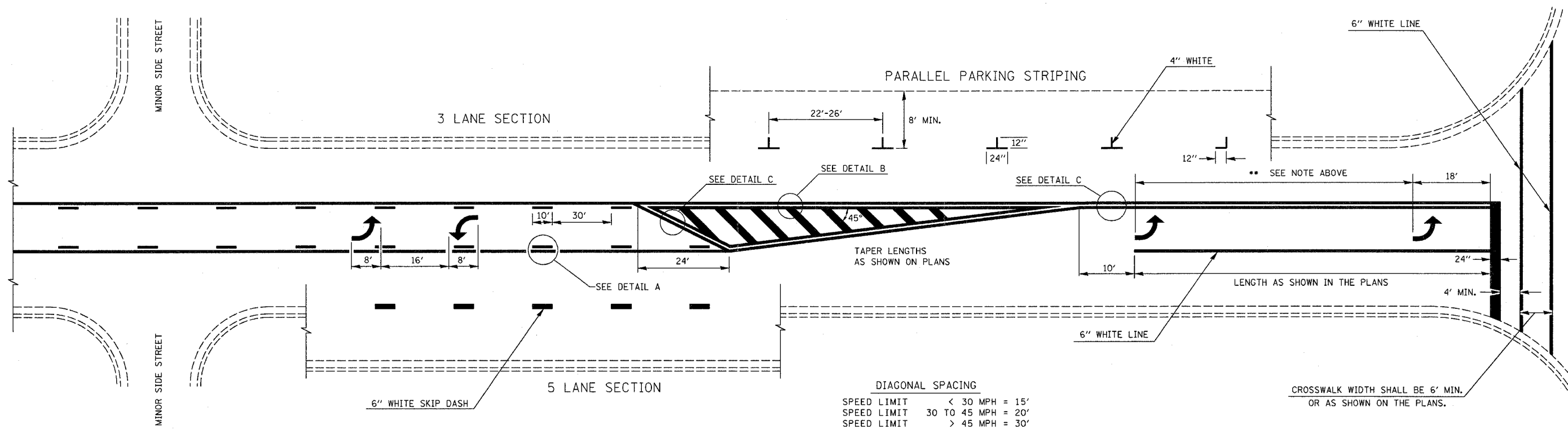
NOT TO SCALE  
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**TYPICAL APPLICATION OF PAVEMENT MARKINGS**  
SHEET 1 OF 2  
SCALE: VERT. \_\_\_\_\_  
HORIZ. \_\_\_\_\_  
DATE \_\_\_\_\_ ISSUED: 05-06-96  
DRAWN BY \_\_\_\_\_  
CHECKED BY \_\_\_\_\_

PLOT DATE = 3/19/2007  
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 PLOT SCALE = 58.0000 / IN.  
 USER NAME = teeslagok

EPMD1

CONTRACT NO. 94660			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
782	*	CRAWFORD	37 14
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	
* (102Z, 108Z, 1018)RS-2			

\*\* PLACE THE FIRST ARROW EVEN WITH THE BEGINNING OF THE TURN BAY.  
 PLACE ANOTHER ARROW 18' BACK FROM THE STOP BAR. IF REQUIRED,  
 ADD ADDITIONAL ARROWS TO MAINTAIN A MAXIMUM OF 80' SPACING.



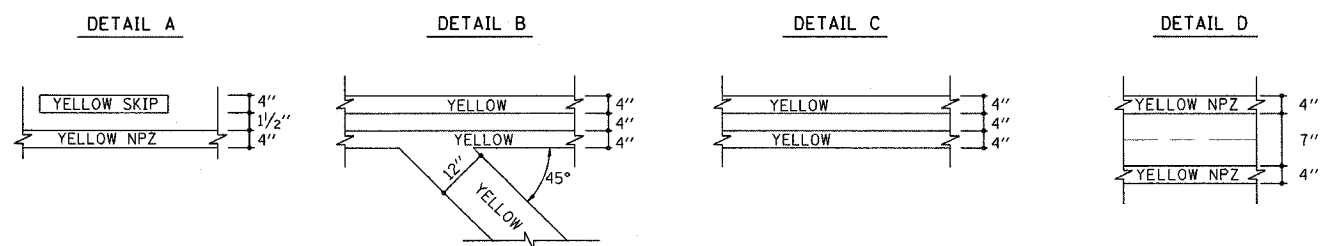
DIAGONAL SPACING

SPEED LIMIT	< 30 MPH	= 15'
SPEED LIMIT	30 TO 45 MPH	= 20'
SPEED LIMIT	> 45 MPH	= 30'

CROSSWALK WIDTH SHALL BE 6' MIN.  
 OR AS SHOWN ON THE PLANS.

TYPICAL BI-DIRECTIONAL TURN LANE MARKINGS  
 (SHOWING TRANSITION TO EXCLUSIVE LEFT TURN LANE)

- NOTES:
1. NO LESS THAN 2 ARROWS SHALL BE USED.
  2. TAPER RATES, LANE WIDTHS, AND STORAGE LENGTHS AS SHOWN ON THE PLANS.
  3. AVOID PLACING BI-DIRECTIONAL ARROWS IN INTERSECTIONS.
  4. BI-DIRECTIONAL ARROWS SHALL BE SPACED A MAXIMUM OF 250'.



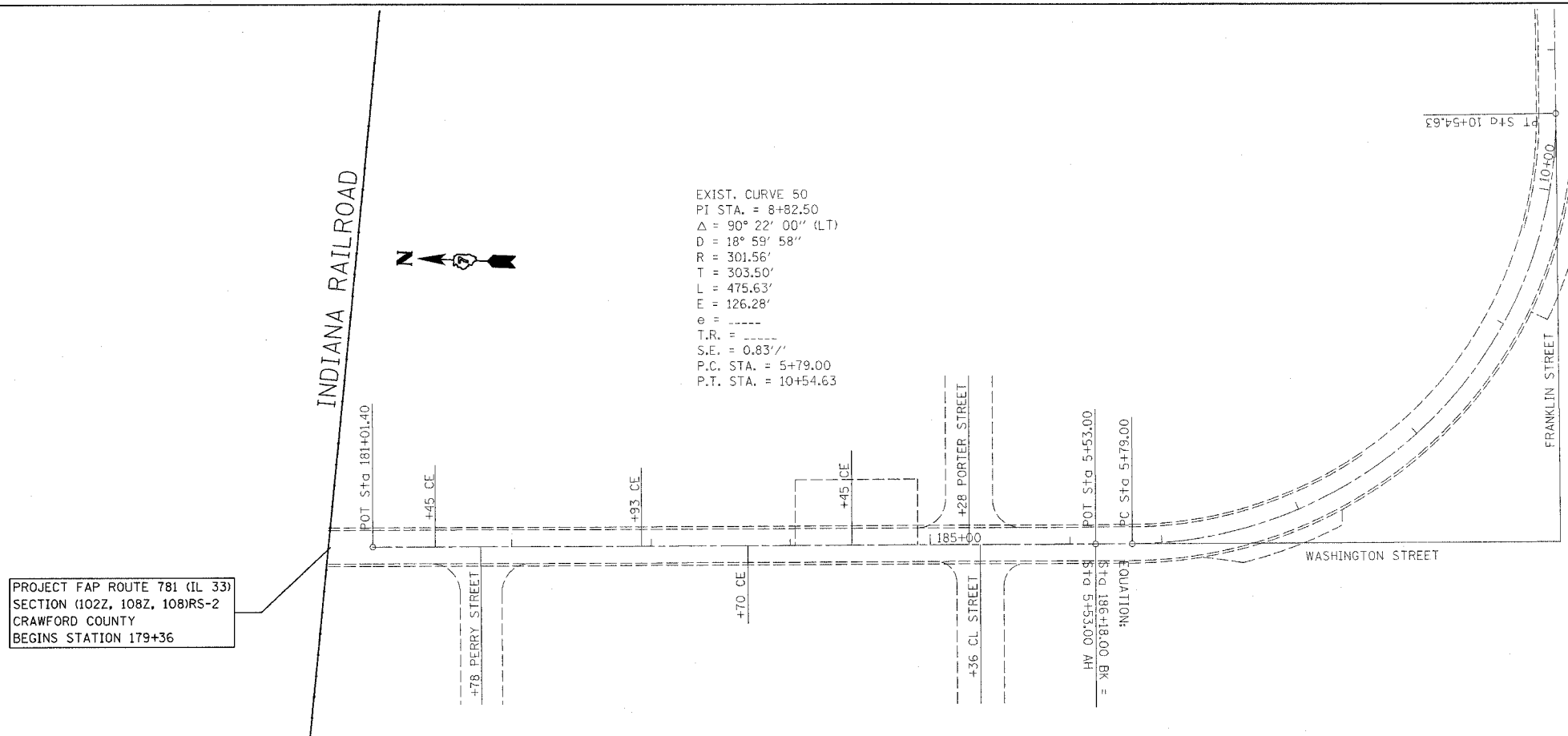
REVISIONS	
NAME	DATE
MMO	12-99
DRM	08-04

NOT TO SCALE  
 ILLINOIS DEPARTMENT OF TRANSPORTATION  
**TYPICAL APPLICATION OF PAVEMENT MARKINGS**  
**SHEET 2 OF 2**

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

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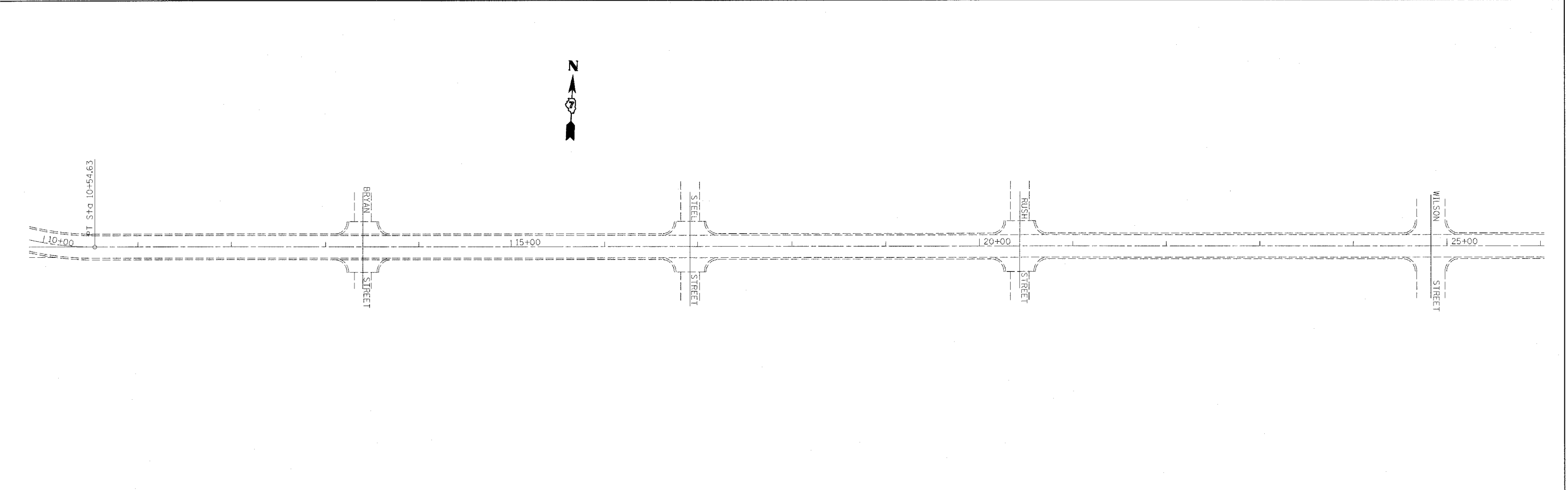
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782	*	CRAWFORD	37	15
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
	(102Z, 108Z, 1018)RS-2			



PROJECT FAP ROUTE 781 (IL 33)  
 SECTION (102Z, 108Z, 108)RS-2  
 CRAWFORD COUNTY  
 BEGINS STATION 179+36

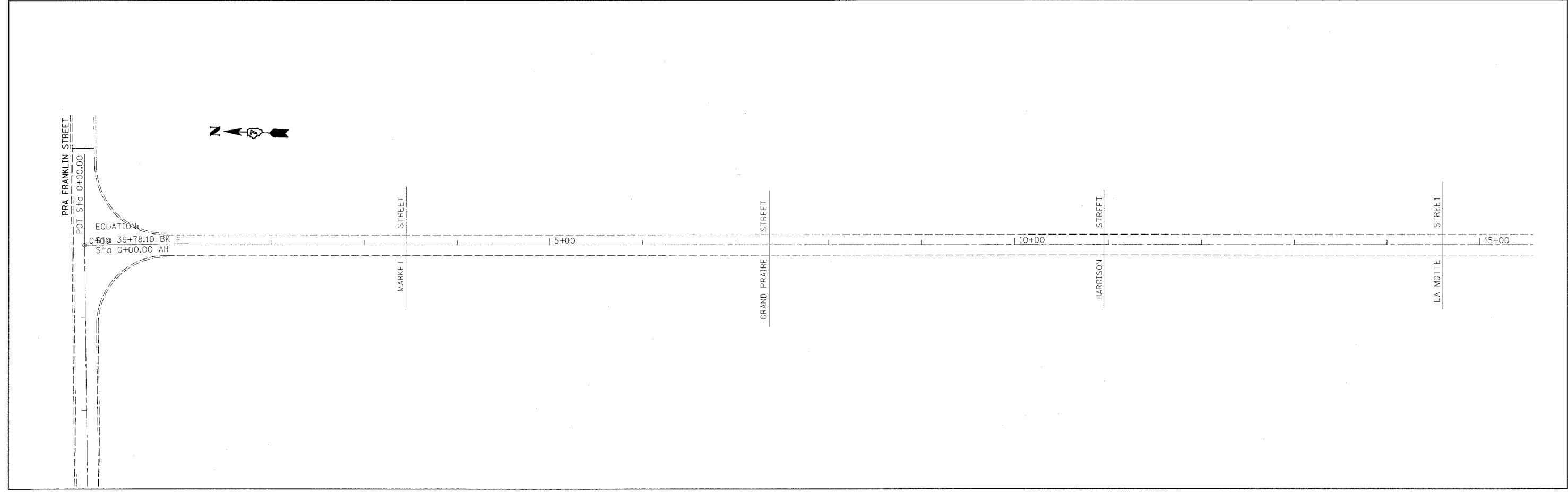
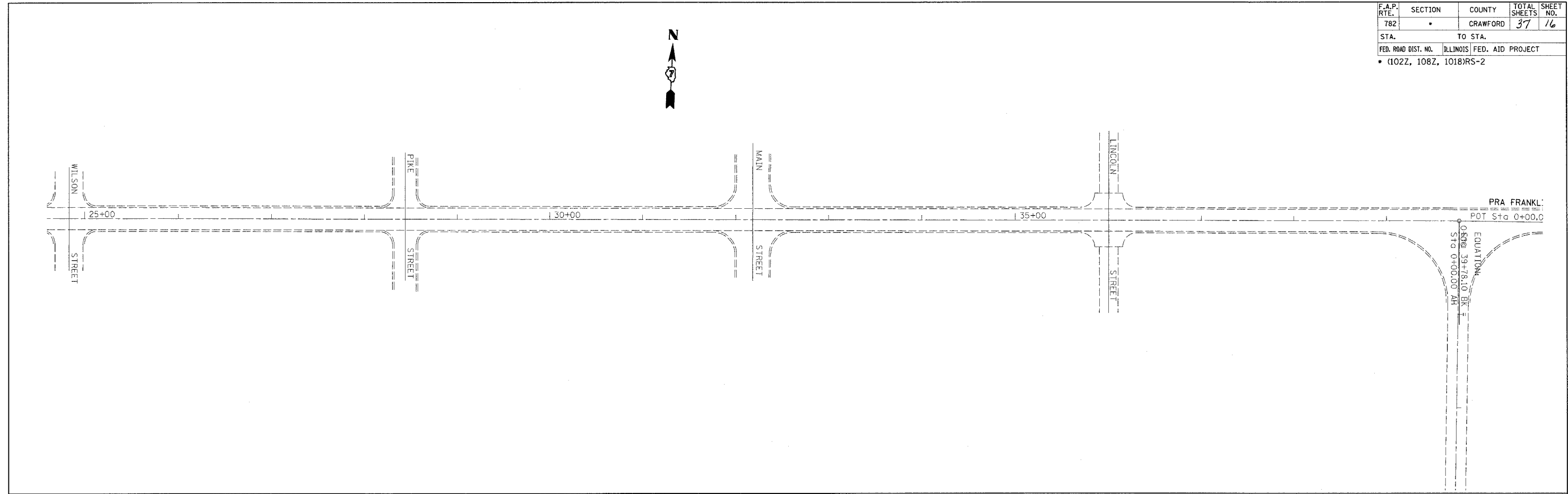
GUTTERS TO BE CLEANED

8+25.00	TO 10+23.00	198
10+23.00	TO 40+92.00	6138
0+00.00	TO 18+32.70	3665
18+32.70	TO 20+42.00	419
20+42.00	TO 22+50.00	208
22+50.00	TO 27+29.00	479
		<b>11107 FEET</b>



PLOT DATE = 04/26/08  
 PLOT SCALE = AS SHOWN  
 USER NAME = 01/USER

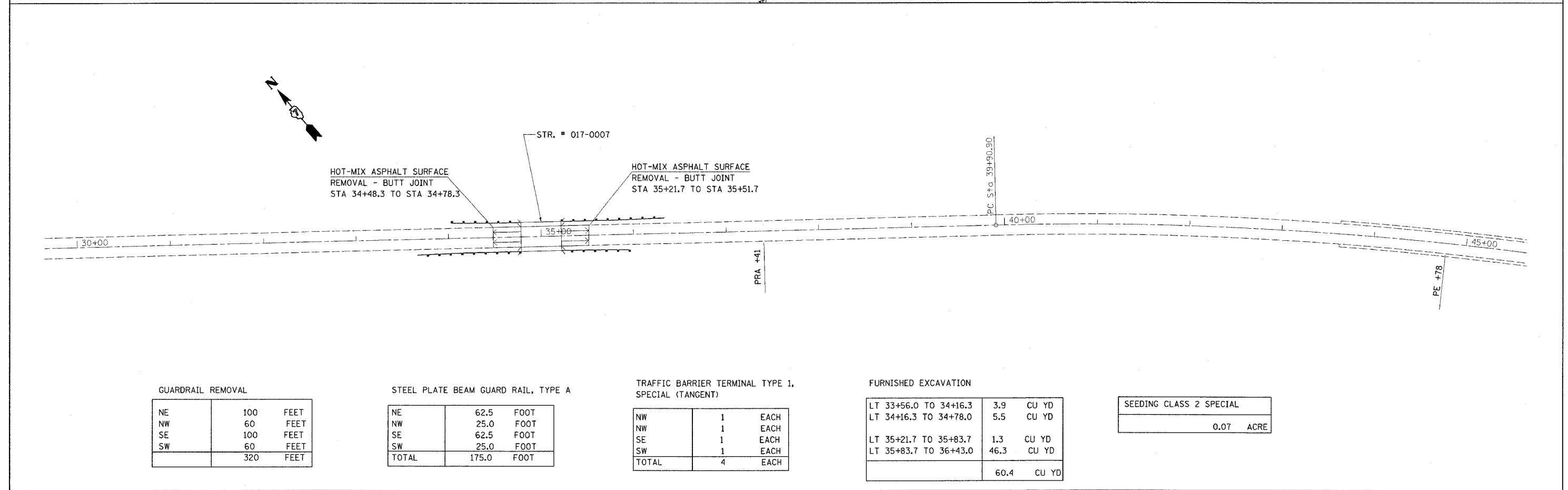
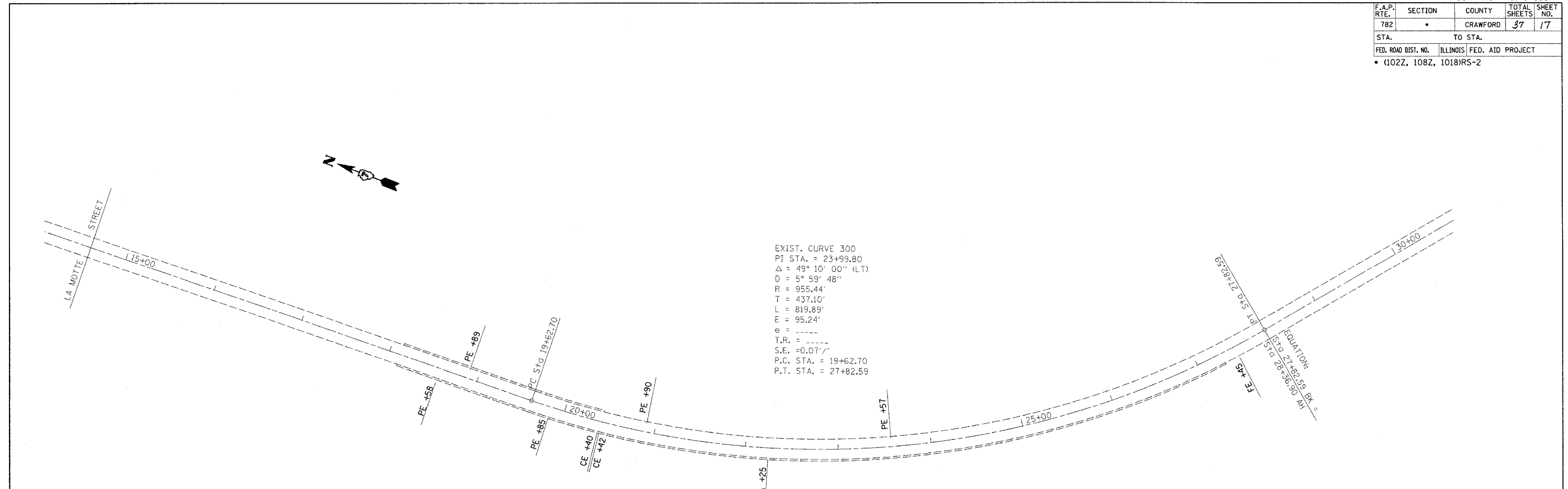
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	*	CRAWFORD	37	16
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* (102Z, 108Z, 1018)RS-2				



PLOT DATE = #DATE#  
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 USER NAME = #USER#



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	*	CRAWFORD	37	17
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* (102Z, 108Z, 1018)RS-2				



GUARDRAIL REMOVAL

NE	100	FEET
NW	60	FEET
SE	100	FEET
SW	60	FEET
TOTAL	320	FEET

STEEL PLATE BEAM GUARD RAIL, TYPE A

NE	62.5	FOOT
NW	25.0	FOOT
SE	62.5	FOOT
SW	25.0	FOOT
TOTAL	175.0	FOOT

TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)

NW	1	EACH
NW	1	EACH
SE	1	EACH
SW	1	EACH
TOTAL	4	EACH

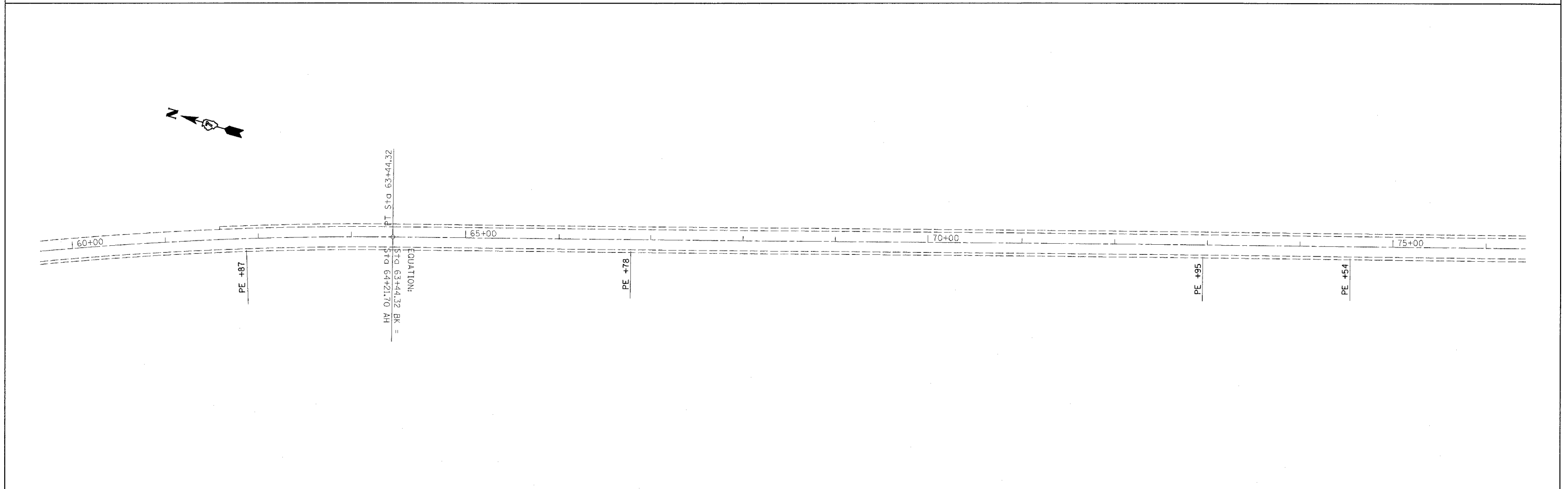
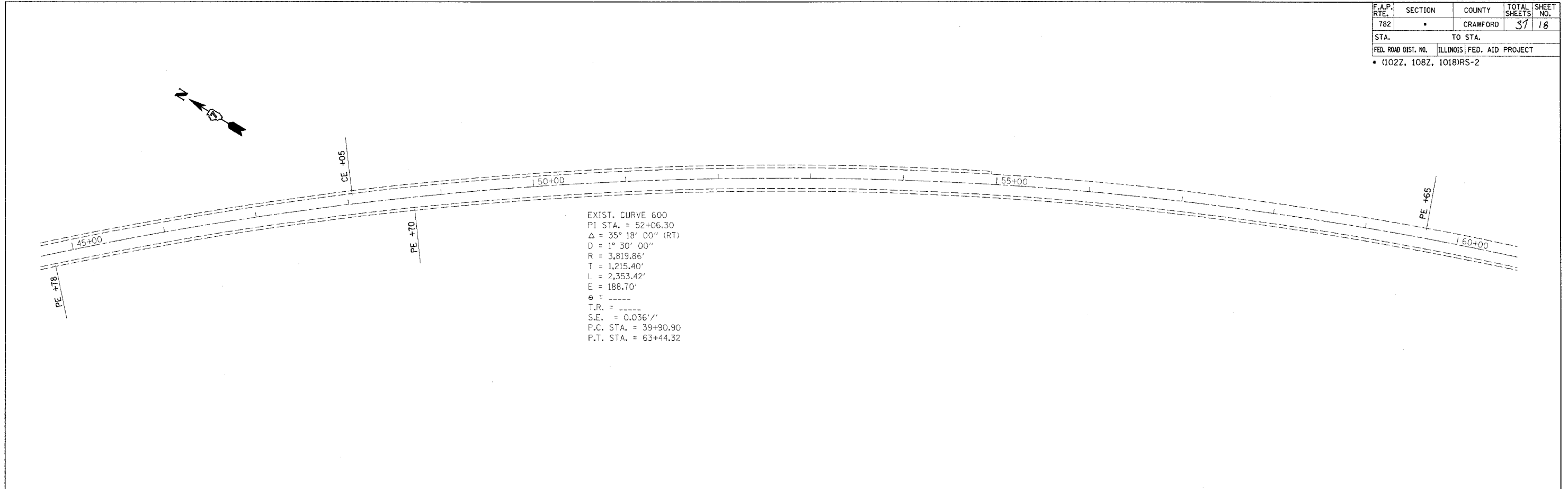
FURNISHED EXCAVATION

LT 33+56.0 TO 34+16.3	3.9	CU YD
LT 34+16.3 TO 34+78.0	5.5	CU YD
LT 35+21.7 TO 35+83.7	1.3	CU YD
LT 35+83.7 TO 36+43.0	46.3	CU YD
TOTAL	60.4	CU YD

SEEDING CLASS 2 SPECIAL
0.07 ACRE

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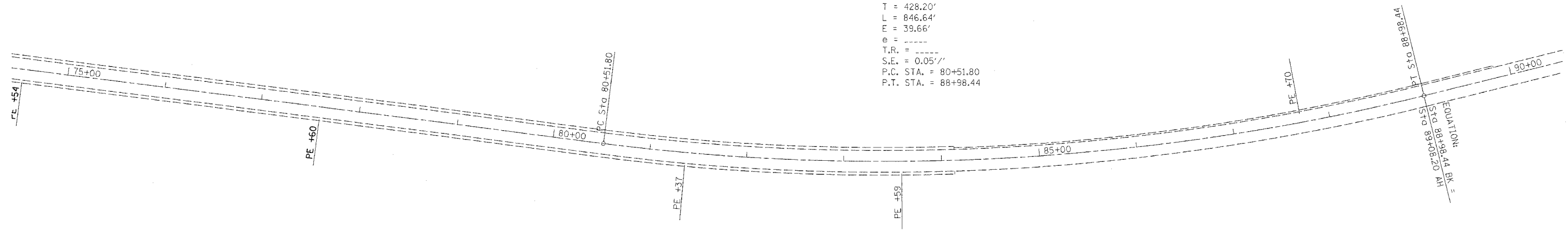
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782		CRAWFORD	37	18
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• (102Z, 108Z, 1018)RS-2				



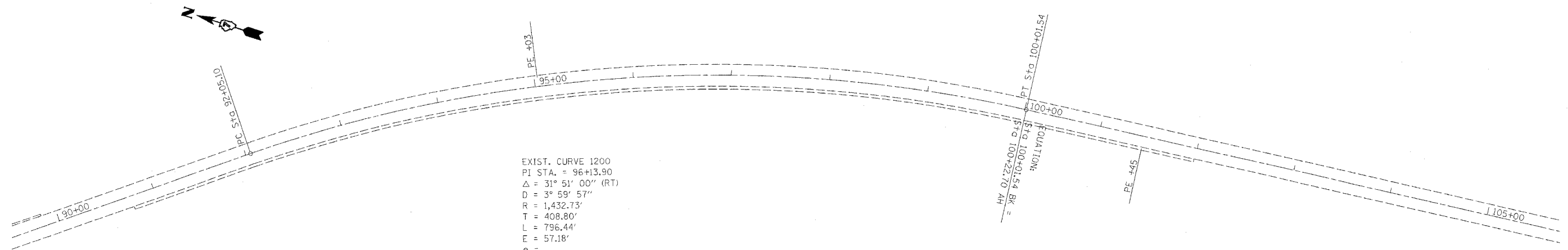
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	*	CRAWFORD	37	19
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* (102Z, 108Z, 1018)RS-2				

EXIST. CURVE 900  
 PI STA. = 84+80.00  
 $\Delta = 21^\circ 10' 00''$  (LT)  
 $D = 2^\circ 30' 00''$   
 $R = 2,291.75'$   
 $T = 428.20'$   
 $L = 846.64'$   
 $E = 39.66'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. = 0.05''$   
 P.C. STA. = 80+51.80  
 P.T. STA. = 88+98.44

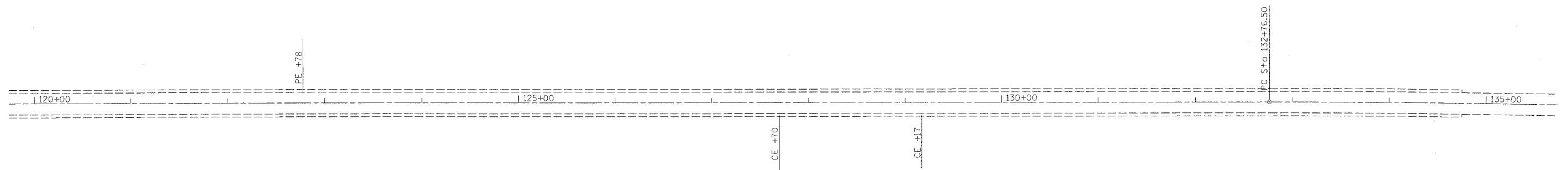
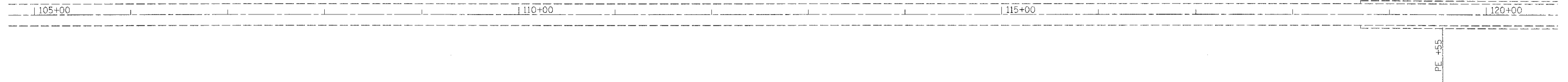


EXIST. CURVE 1200  
 PI STA. = 96+13.90  
 $\Delta = 31^\circ 51' 00''$  (RT)  
 $D = 3^\circ 59' 57''$   
 $R = 1,432.73'$   
 $T = 408.80'$   
 $L = 796.44'$   
 $E = 57.18'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. = 0.06''$   
 P.C. STA. = 92+05.10  
 P.T. STA. = 100+01.54



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

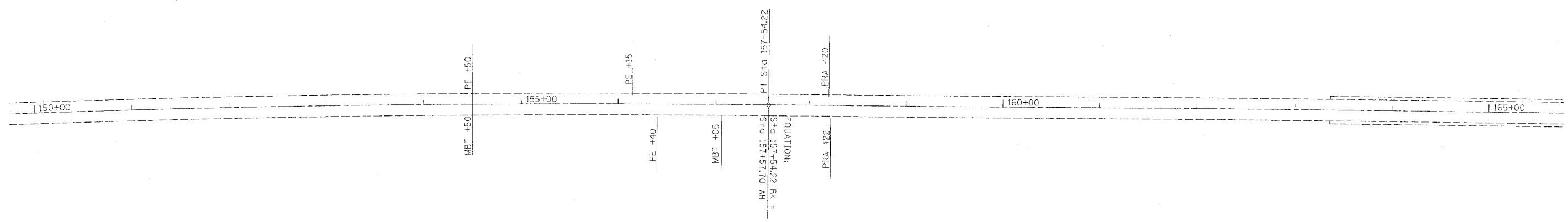
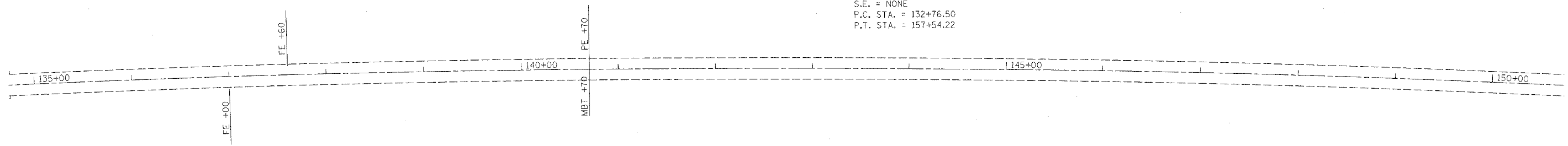
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	*	CRAWFORD	37	20
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* (102Z, 108Z, 1018)RS-2				



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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	*	CRAWFORD	37	21
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* (102Z, 108Z, 1018)RS-2				

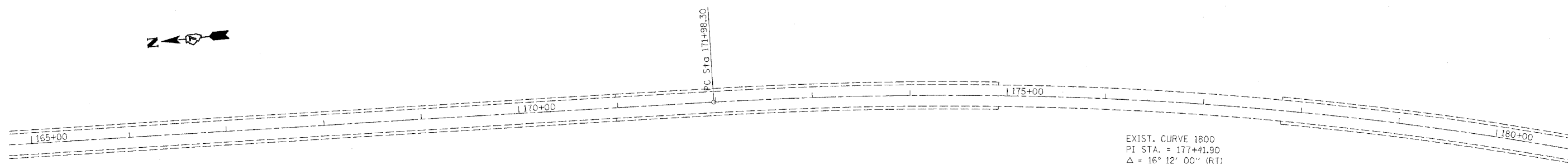
EXIST. CURVE 1500  
 PI STA. = 145+17.10  
 $\Delta = 7^\circ 26' 00''$  (RT)  
 $D = 0^\circ 18' 00''$   
 $R = 19,098.14'$   
 $T = 1,240.60'$   
 $L = 2,477.72'$   
 $E = 40.25'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. = \text{NONE}$   
 $P.C. STA. = 132+76.50$   
 $P.T. STA. = 157+54.22$



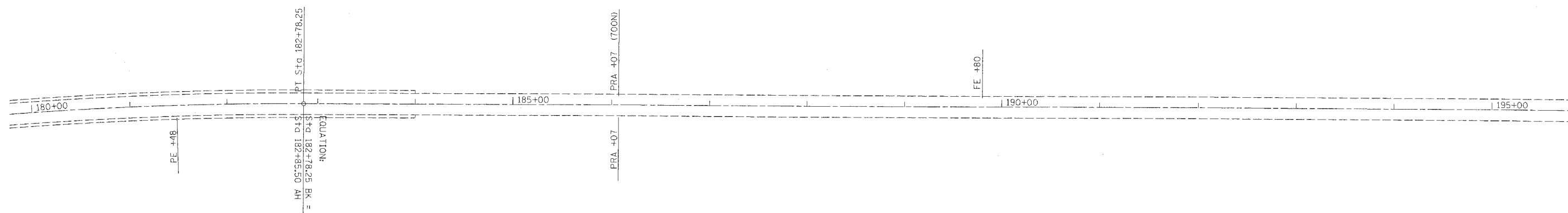
PLOT DATE = #DATE#  
 FILE NAME = #FILE#  
 PLOT SCALE = #SCALE#  
 USER NAME = #USER#

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	*	CRAWFORD	37	22

STA.	TO STA.
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
* (102Z, 108Z, 1018)RS-2	



EXIST. CURVE 1800  
 PI STA. = 177+41.90  
 $\Delta = 16^\circ 12' 00''$  (RT)  
 $D = 1^\circ 30' 00''$   
 $R = 3,819.53'$   
 $T = 543.60'$   
 $L = 1,079.95'$   
 $E = 38.49'$   
 $\phi = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. = 0.02''$   
 $P.C. STA. = 171+98.30$   
 $P.T. STA. = 182+78.25$



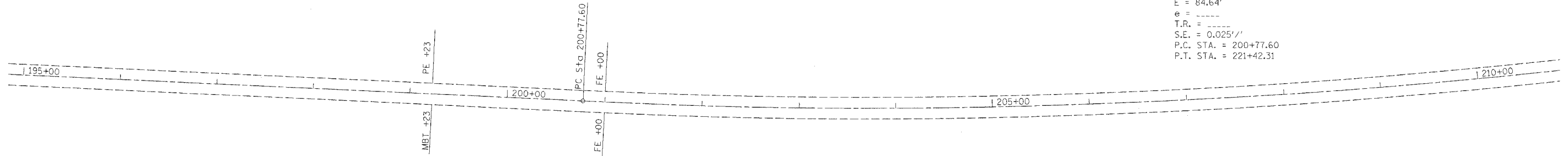
PLOT DATE = #DATE#  
 FILE NAME = #FILE#  
 PLOT SCALE = #SCALE#  
 USER NAME = #USER#

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	*	CRAWFORD	37	23

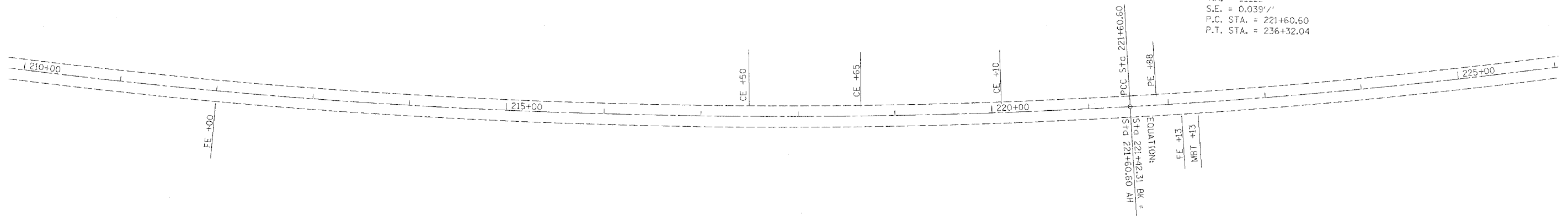
STA.	TO STA.
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

\* (102Z, 108Z, 1018)RS-2

EXIST. CURVE 2100  
 PI STA. = 211+19.10  
 $\Delta = 18^\circ 35' 00''$  (LT)  
 $D = 0^\circ 54' 00''$   
 $R = 6,365.87'$   
 $T = 1,041.50'$   
 $L = 2,064.71'$   
 $E = 84.64'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. = 0.025'/'$   
 P.C. STA. = 200+77.60  
 P.T. STA. = 221+42.31



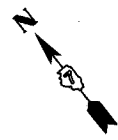
EXIST. CURVE 2400  
 PI STA. = 229+00.00  
 $\Delta = 14^\circ 00' 00''$  (LT)  
 $D = 0^\circ 57' 05''$   
 $R = 6,021.93'$   
 $T = 739.40'$   
 $L = 1,471.44'$   
 $E = 45.22'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. = 0.039'/'$   
 P.C. STA. = 221+60.60  
 P.T. STA. = 236+32.04



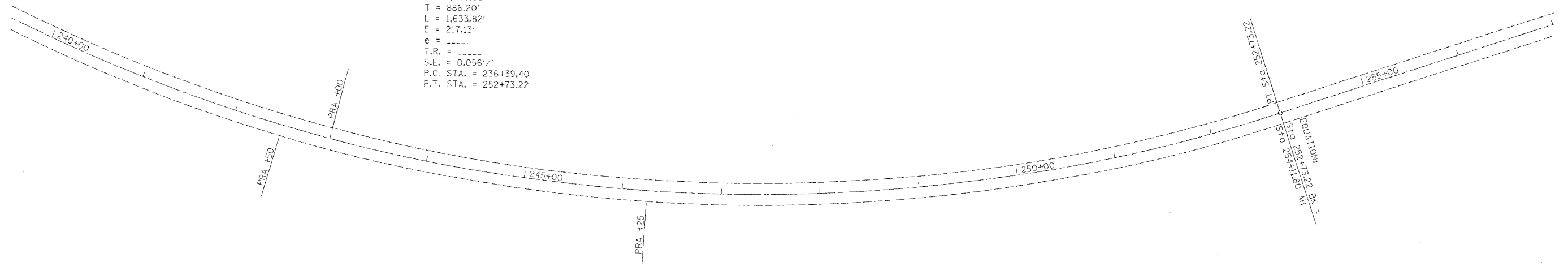
PLOT DATE = #DATE#  
 FILE NAME = #FILE#  
 PLOT SCALE = #SCALE#  
 USER NAME = #USER#

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782		CRAWFORD	37	24

STA.	TO STA.
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
(102Z, 108Z, 1018)RS-2	



EXIST. CURVE 2700  
 PI STA. = 245+25.60  
 $\Delta$  = 55° 04' 00" (L.T)  
 D = 3° 22' 14"  
 R = 1,699.96'  
 T = 886.20'  
 L = 1,633.82'  
 E = 217.13'  
 e = -----  
 T.R. = -----  
 S.E. = 0.056'/'  
 P.C. STA. = 236+39.40  
 P.T. STA. = 252+73.22



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

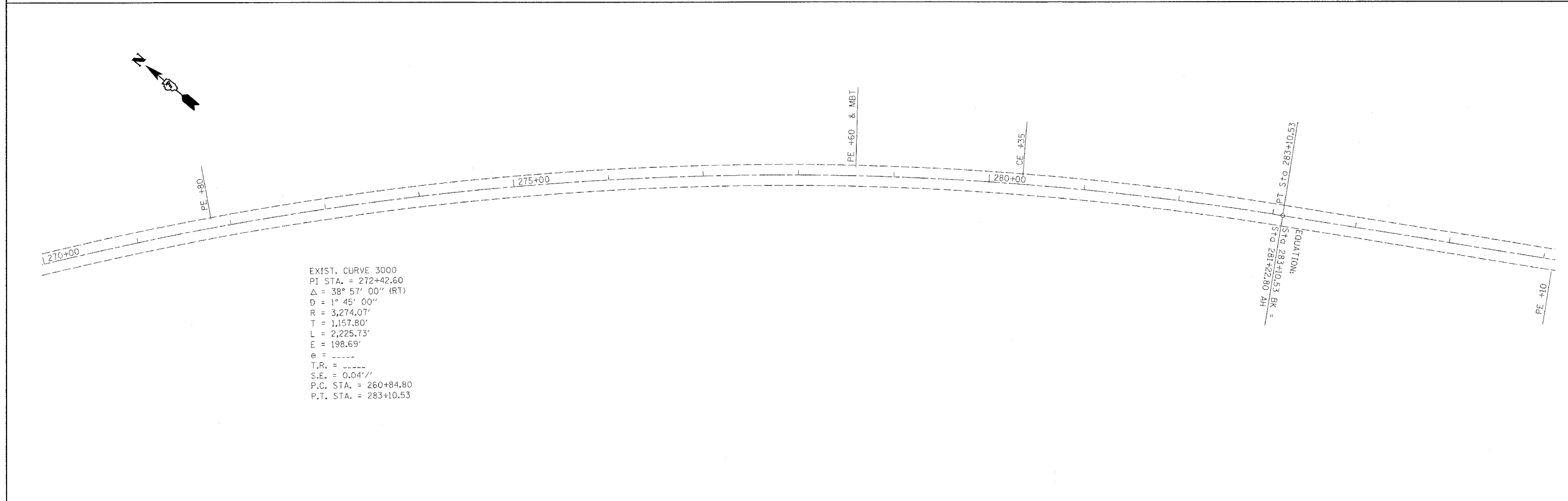
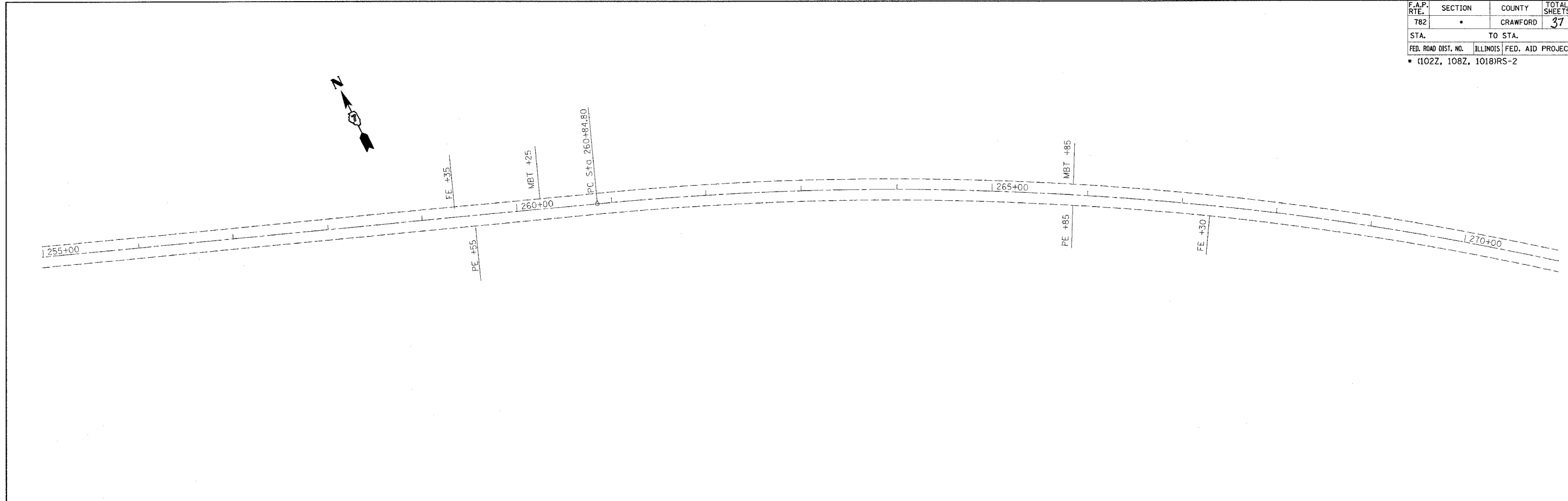


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	.	CRAWFORD	37	25

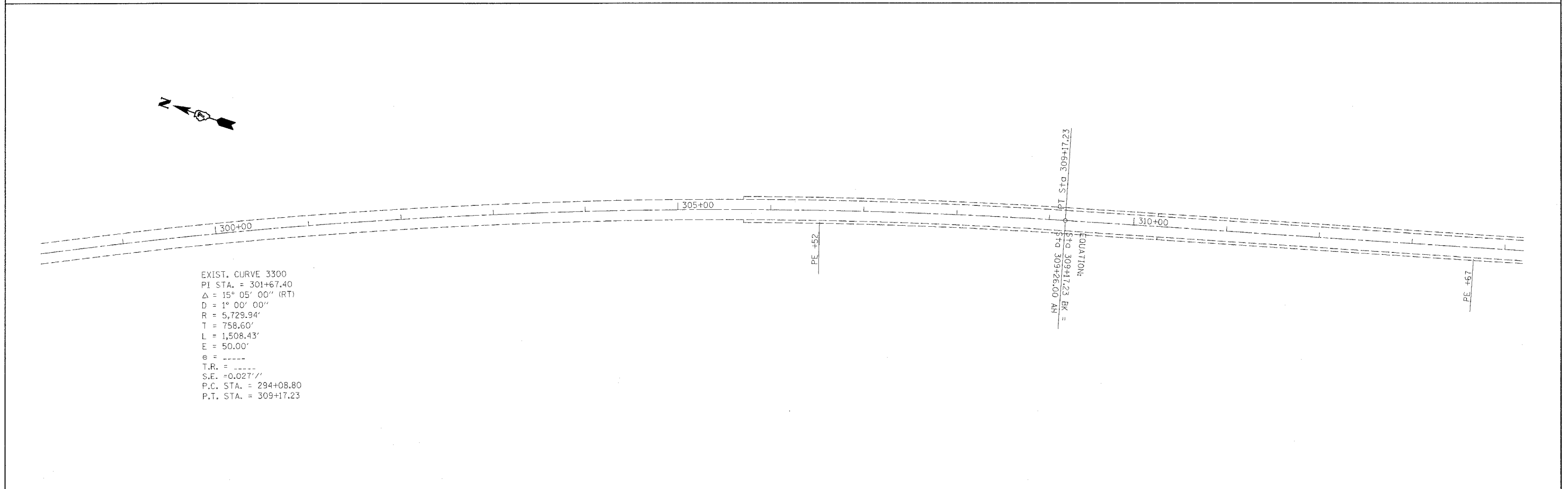
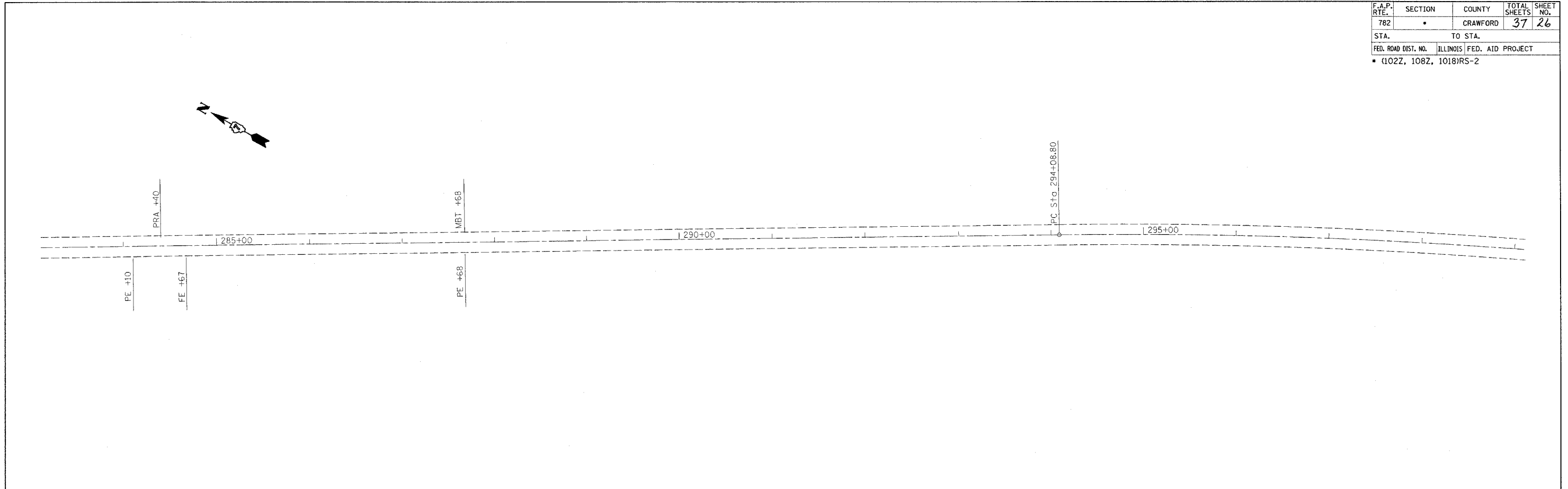
STA.	TO STA.
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

• (102Z, 108Z, 1018)RS-2



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

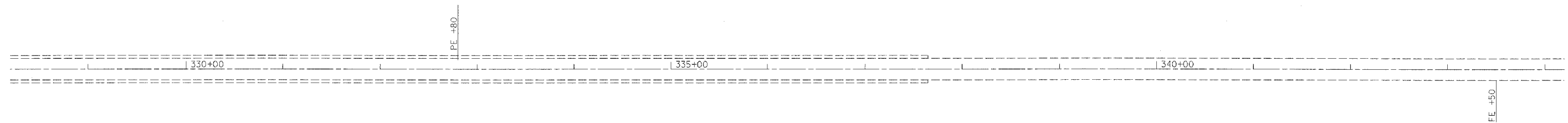
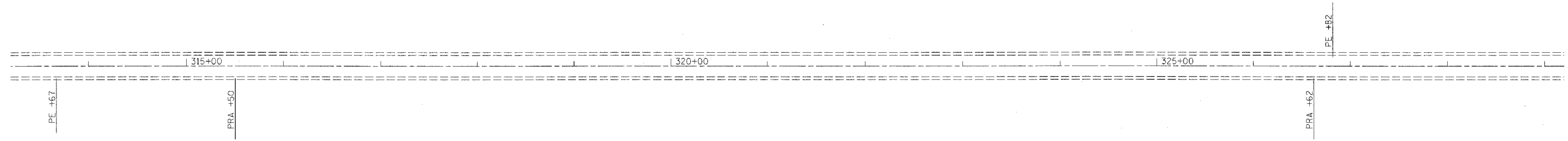
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	.	CRAWFORD	37	26
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• (102Z, 108Z, 1018)RS-2				



EXIST. CURVE 3300  
 PI STA. = 301+67.40  
 $\Delta = 15^\circ 05' 00''$  (RT)  
 $D = 1^\circ 00' 00''$   
 $R = 5,729.94'$   
 $T = 758.60'$   
 $L = 1,508.43'$   
 $E = 50.00'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. = -0.027'/'$   
 P.C. STA. = 294+08.80  
 P.T. STA. = 309+17.23

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

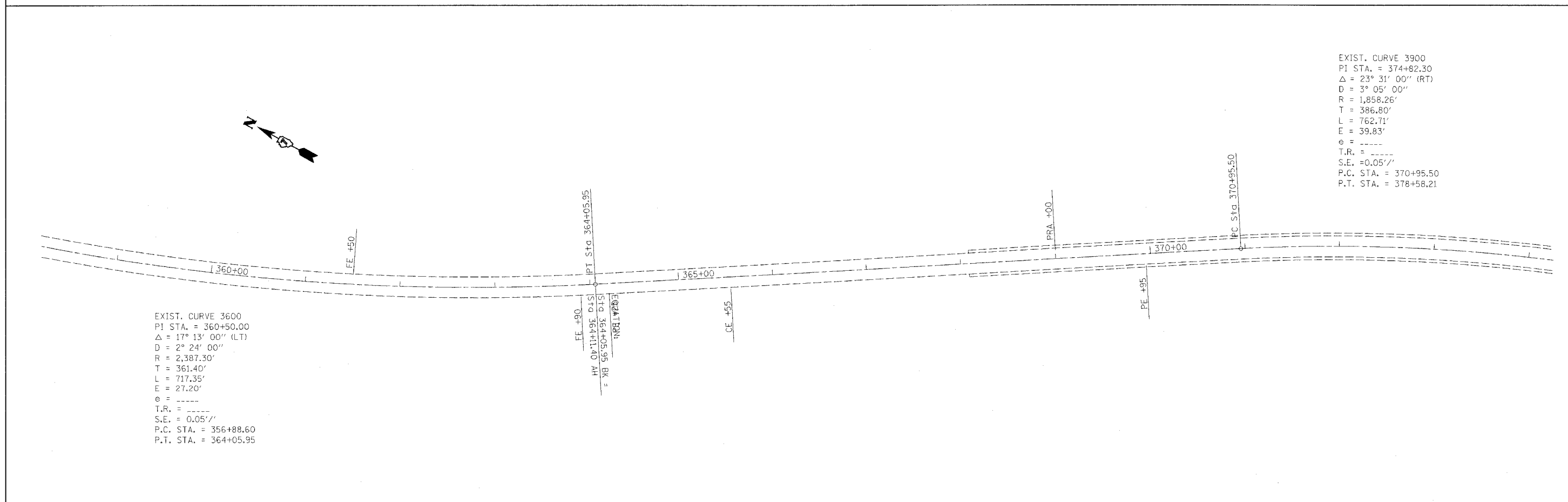
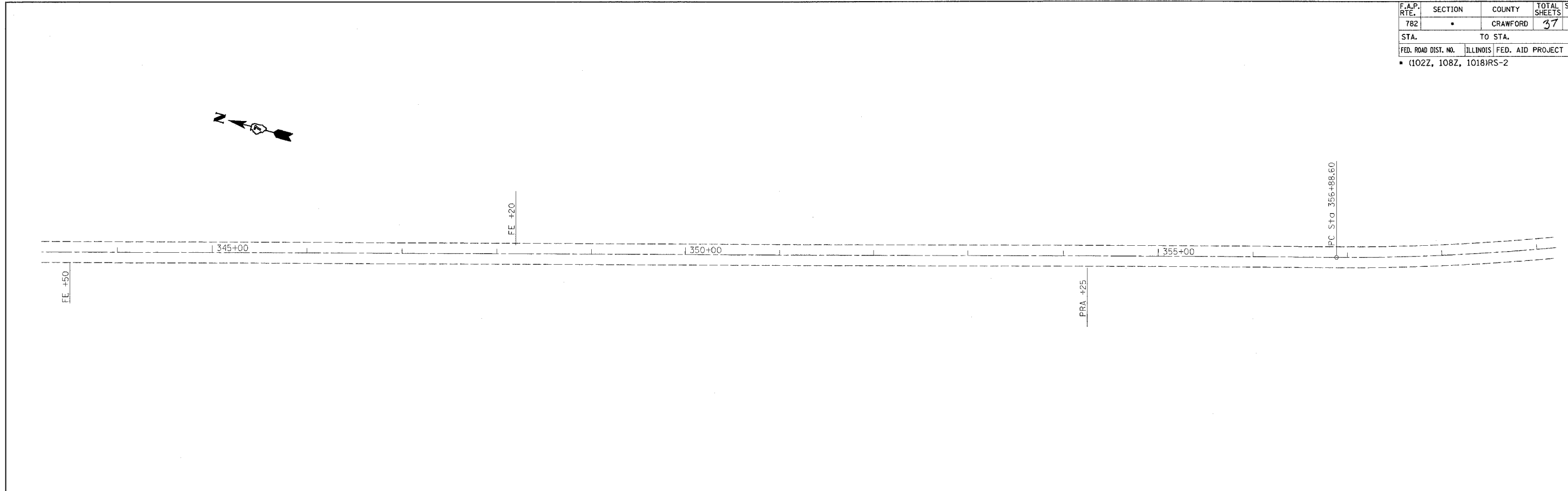
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	•	CRAWFORD	37	27
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• (102Z, 108Z, 1018)RS-2				



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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	*	CRAWFORD	37	28

STA.	TO STA.
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
* (102Z, 108Z, 1018)RS-2	



EXIST. CURVE 3600  
 PI STA. = 360+50.00  
 $\Delta = 17^\circ 13' 00''$  (LT)  
 $D = 2^\circ 24' 00''$   
 $R = 2,387.30'$   
 $T = 361.40'$   
 $L = 717.35'$   
 $E = 27.20'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. = 0.05'/'$   
 P.C. STA. = 356+88.60  
 P.T. STA. = 364+05.95

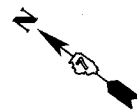
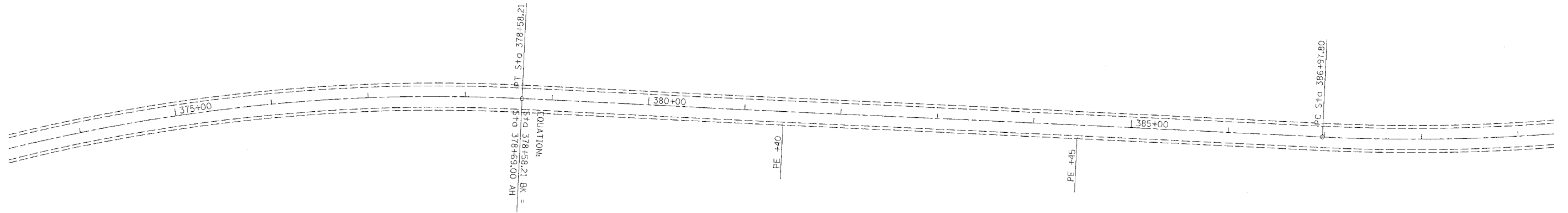
EXIST. CURVE 3900  
 PI STA. = 374+82.30  
 $\Delta = 23^\circ 31' 00''$  (RT)  
 $D = 3^\circ 05' 00''$   
 $R = 1,858.26'$   
 $T = 386.80'$   
 $L = 762.71'$   
 $E = 39.83'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. = 0.05'/'$   
 P.C. STA. = 370+95.50  
 P.T. STA. = 378+58.21

FE +90  
 PT Sta 364+05.95  
 EQUATION:  
 $HY \text{ OP} + 11 + 99 \text{ DTS}$   
 $STA \text{ D} \text{ 364} + 05.95 \text{ BK} =$   
 $\frac{56' 56' 50' 00''}{100}$

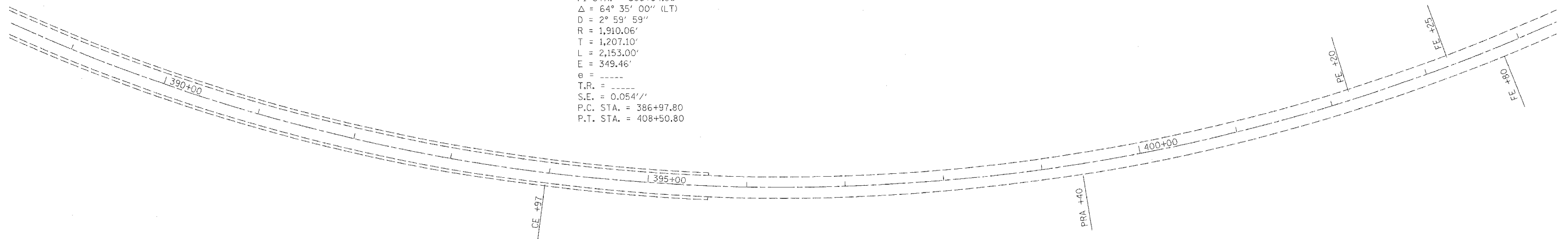
PLOT DATE = 04/26/08  
 PLOT SCALE = 1"=40'  
 USER NAME = 010518

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	*	CRAWFORD	37	29

STA.	TO STA.
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
* (102Z, 108Z, 1018)RS-2	

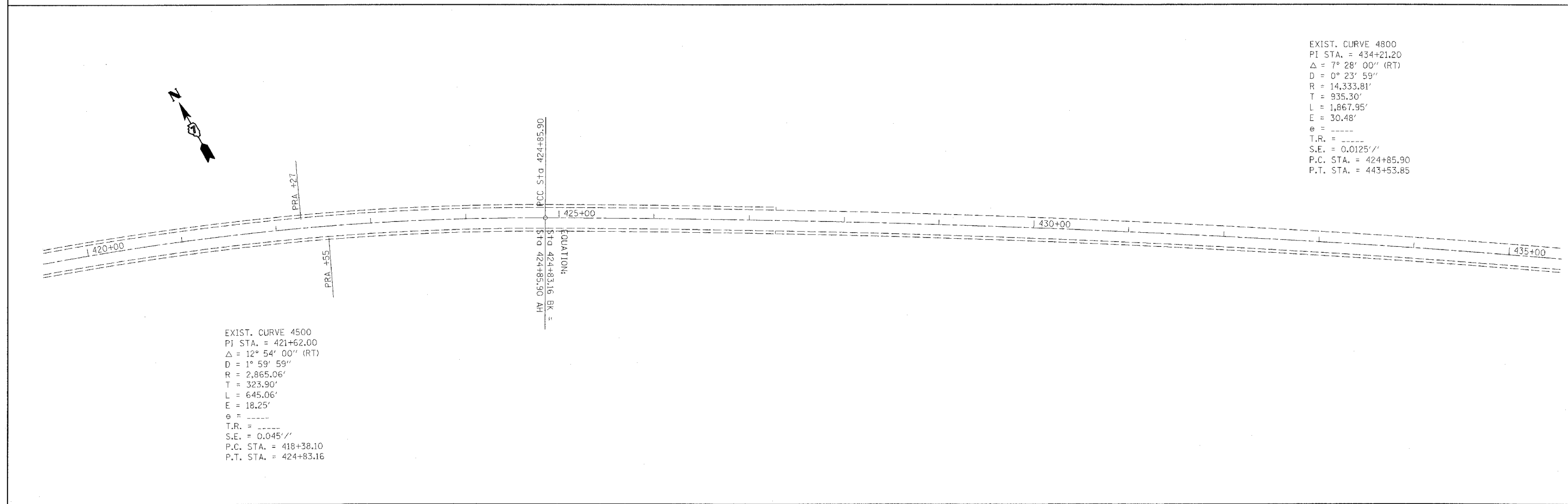
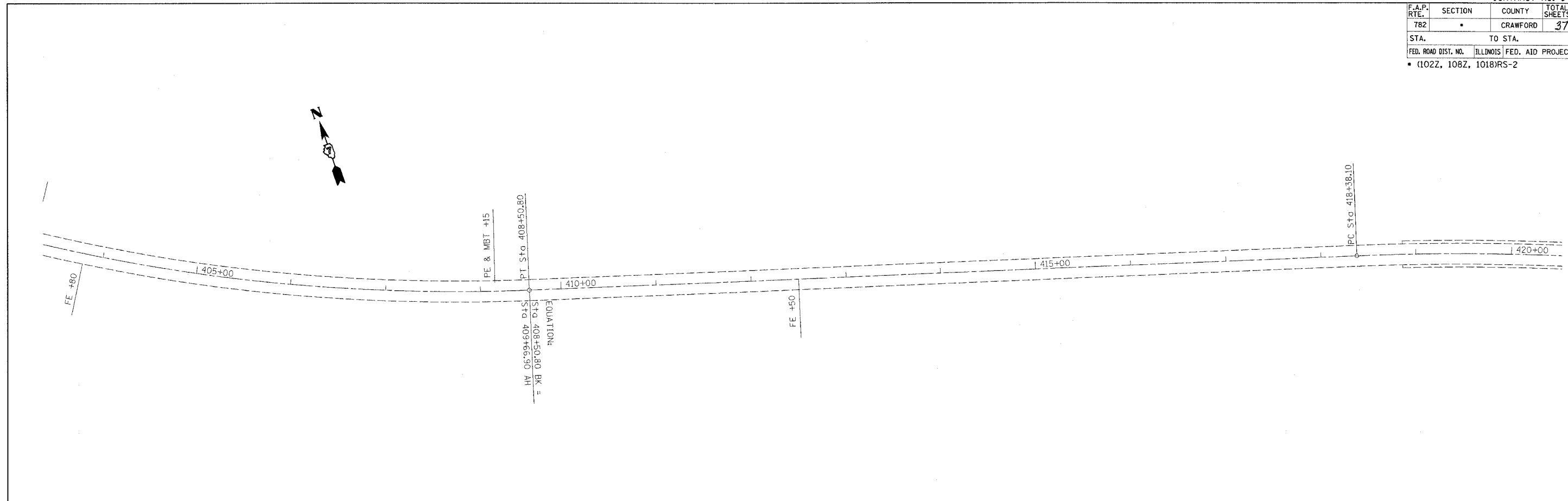


EXIST. CURVE 4200  
 PI STA. = 399+04.90  
 $\Delta = 64^\circ 35' 00''$  (LT)  
 $D = 2^\circ 59' 59''$   
 $R = 1,910.06'$   
 $T = 1,207.10'$   
 $L = 2,153.00'$   
 $E = 349.46'$   
 $e = \text{---}$   
 $T.R. = \text{---}$   
 $S.E. = 0.054\%'$   
 P.C. STA. = 386+97.80  
 P.T. STA. = 408+50.80



PLOT DATE = 08/27/08  
 PLOT TIME = 10:00  
 PLOT SCALE = 1/4"=100'  
 USER NAME = KUSERS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	*	CRAWFORD	37	30
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* (102Z, 108Z, 1018)RS-2				



EXIST. CURVE 4800  
 PI STA. = 434+21.20  
 $\Delta = 7^\circ 28' 00''$  (RT)  
 $D = 0^\circ 23' 59''$   
 $R = 14,333.81'$   
 $T = 935.30'$   
 $L = 1,867.95'$   
 $E = 30.48'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. = 0.0125'/'$   
 $P.C. STA. = 424+85.90$   
 $P.T. STA. = 443+53.85$

EXIST. CURVE 4500  
 PI STA. = 421+62.00  
 $\Delta = 12^\circ 54' 00''$  (RT)  
 $D = 1^\circ 59' 59''$   
 $R = 2,865.06'$   
 $T = 323.90'$   
 $L = 645.06'$   
 $E = 18.25'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. = 0.045'/'$   
 $P.C. STA. = 418+38.10$   
 $P.T. STA. = 424+83.16$

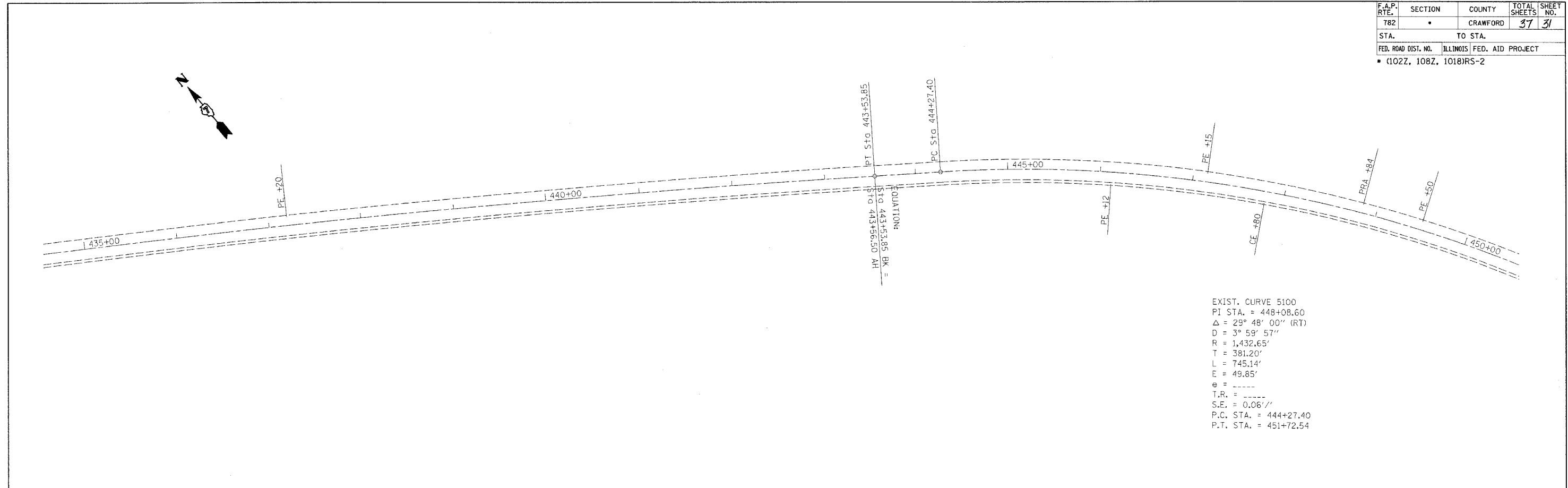
PLOT DATE = \*DATE\*  
 FILE NAME = \*FILE\*  
 USER NAME = \*USER\*

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	*	CRAWFORD	37	31

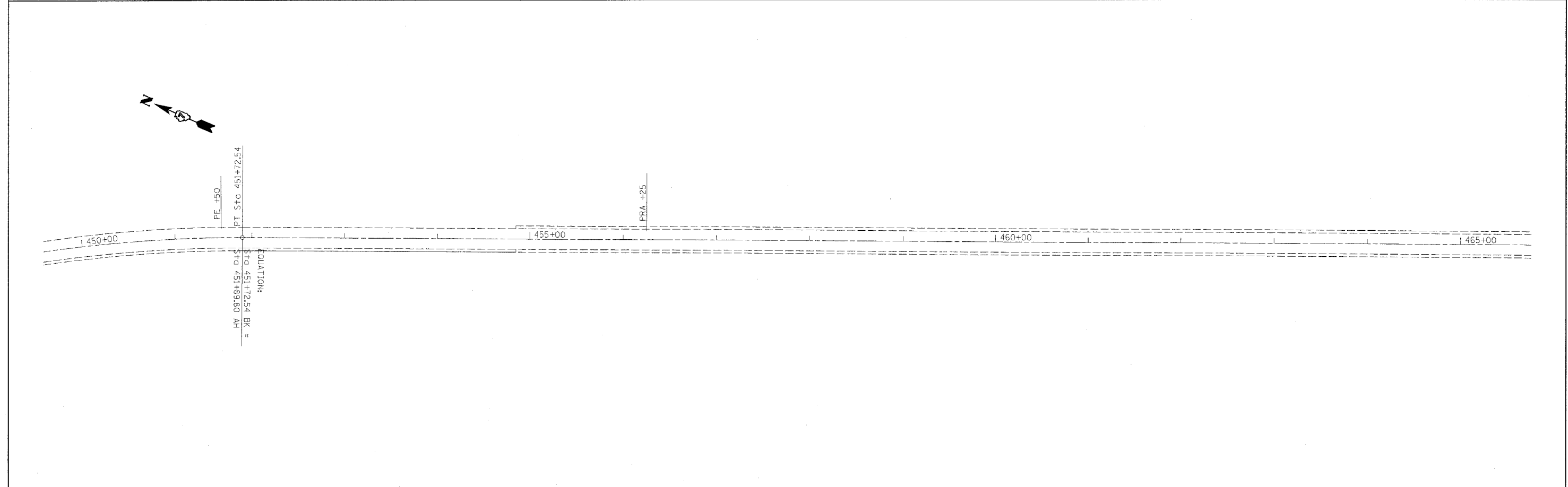
STA. TO STA.

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

• (102Z, 108Z, 1018)RS-2



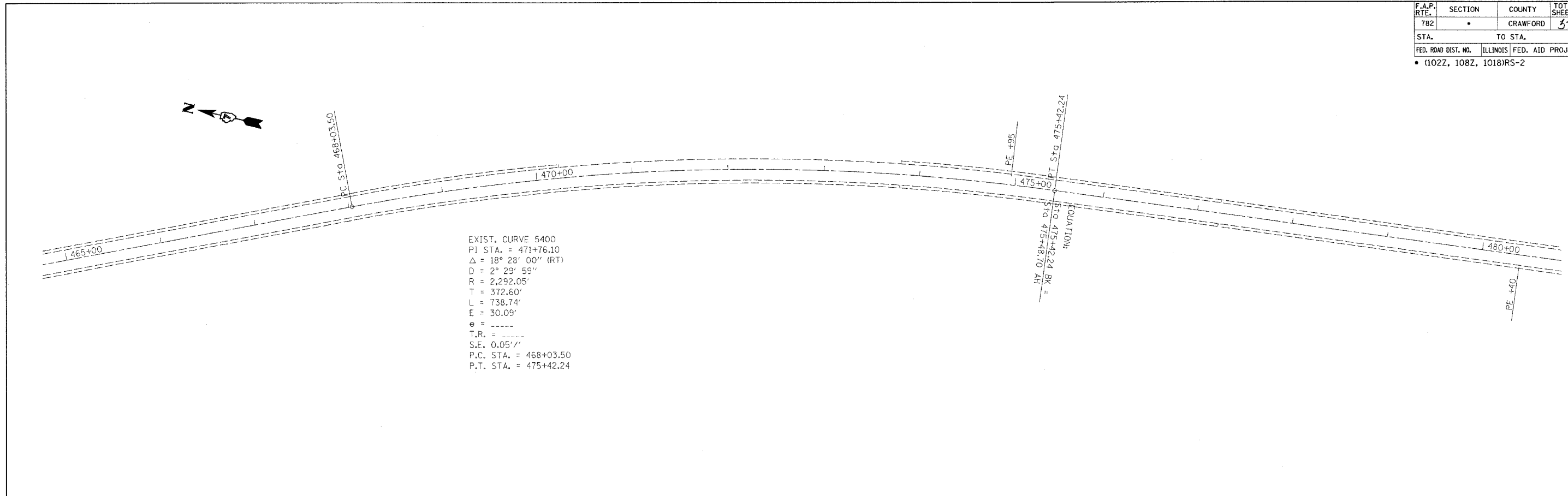
EXIST. CURVE 5100  
 PI STA. = 448+08.60  
 $\Delta$  = 29° 48' 00" (RT)  
 D = 3° 59' 57"  
 R = 1,432.65'  
 T = 381.20'  
 L = 745.14'  
 E = 49.85'  
 e = -----  
 T.R. = -----  
 S.E. = 0.06'/'  
 P.C. STA. = 444+27.40  
 P.T. STA. = 451+72.54



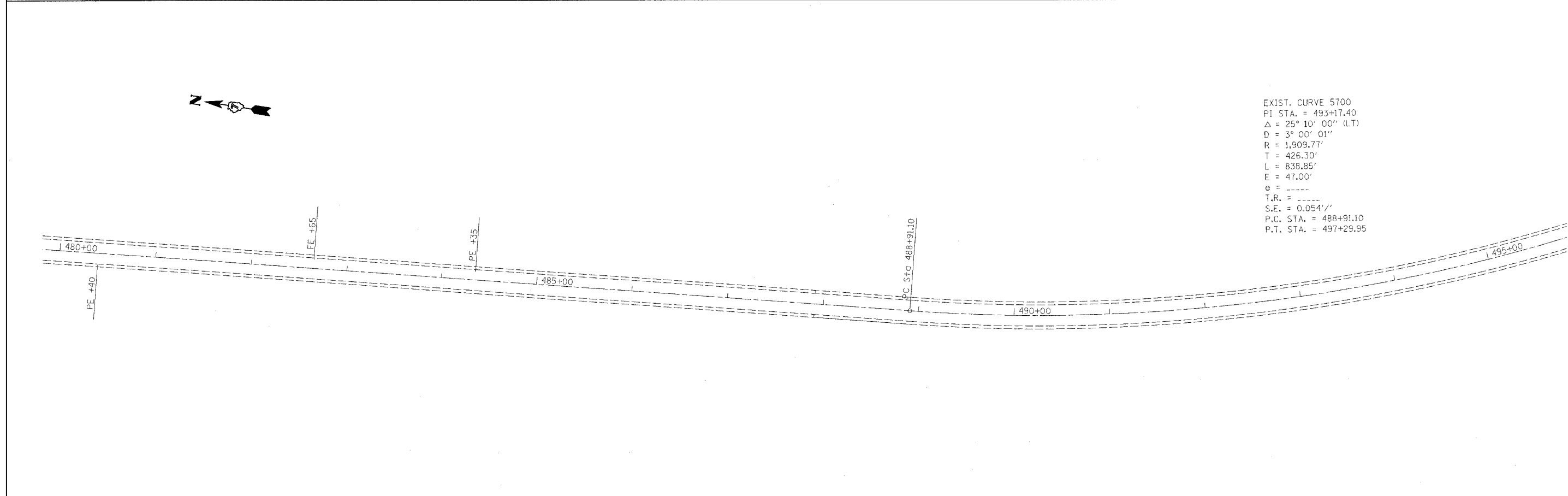
PLOT DATE = #DATE#  
 FILE NAME = #FILE#  
 PLOT SCALE = #SCALE#  
 USER NAME = #USER#

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	*	CRAWFORD	37	32

STA.	TO STA.
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
* (102Z, 108Z, 1018)RS-2	



EXIST. CURVE 5400  
 PI STA. = 471+76.10  
 $\Delta = 18^\circ 28' 00''$  (RT)  
 $D = 2^\circ 29' 59''$   
 $R = 2,292.05'$   
 $T = 372.60'$   
 $L = 738.74'$   
 $E = 30.09'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. = 0.05'/'$   
 P.C. STA. = 468+03.50  
 P.T. STA. = 475+42.24

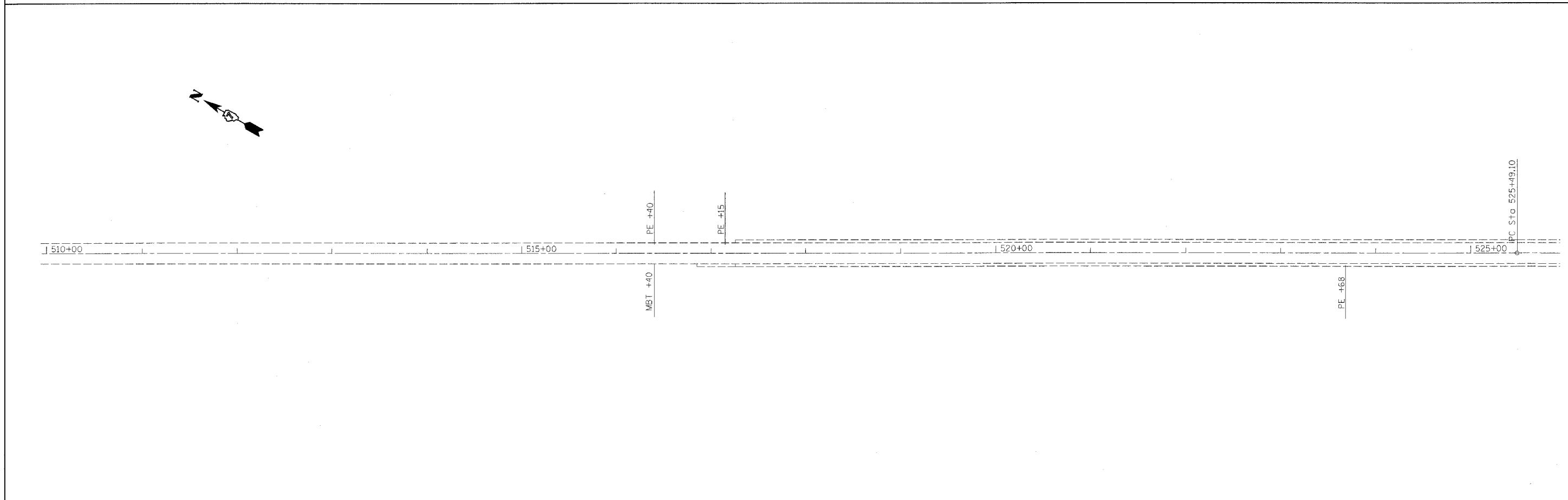
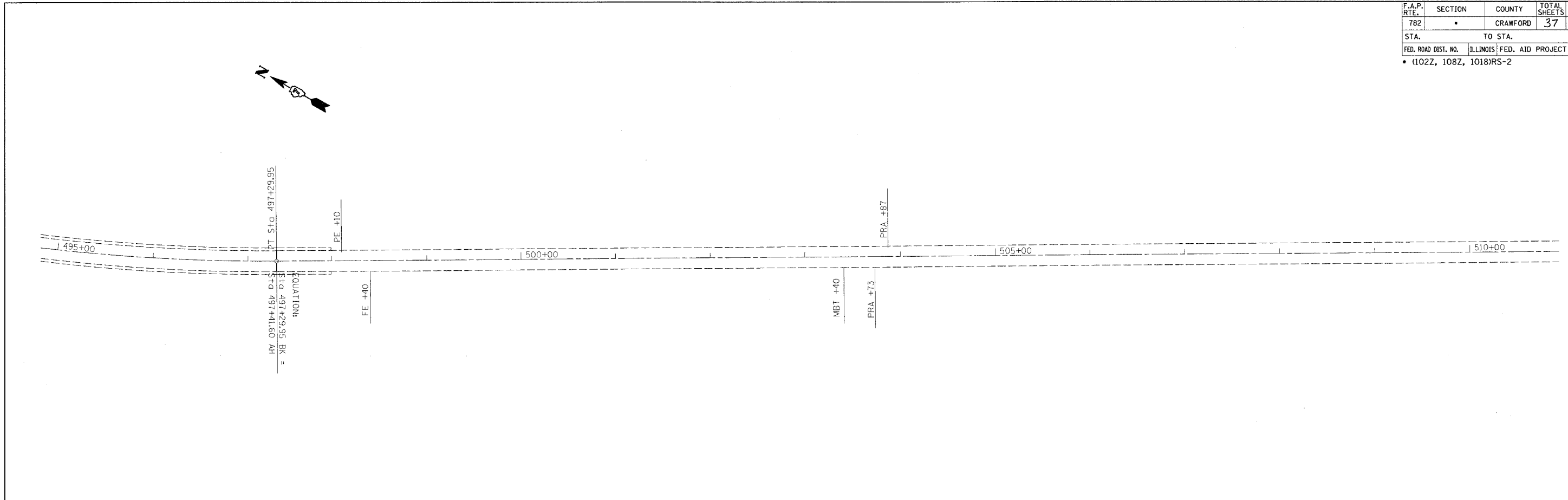


EXIST. CURVE 5700  
 PI STA. = 493+17.40  
 $\Delta = 25^\circ 10' 00''$  (LT)  
 $D = 3^\circ 00' 01''$   
 $R = 1,909.77'$   
 $T = 426.30'$   
 $L = 838.85'$   
 $E = 47.00'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. = 0.054'/'$   
 P.C. STA. = 488+91.10  
 P.T. STA. = 497+29.95

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



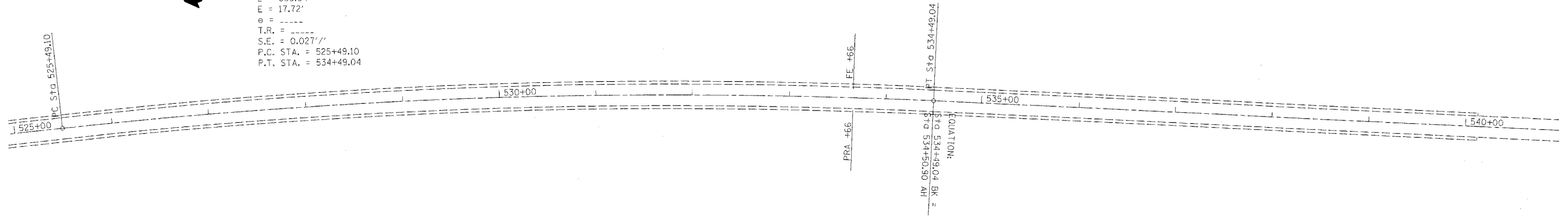
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	•	CRAWFORD	37	33
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• (102Z, 108Z, 1018)RS-2				



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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	.	CRAWFORD	37	34
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• (102Z, 108Z, 1018)RS-2				

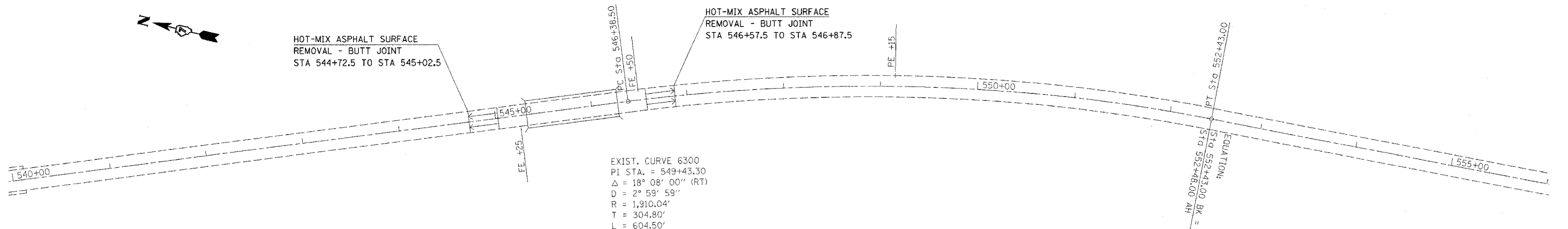
EXIST. CURVE 6000  
 PI STA. = 530+00.00  
 $\Delta = 9^\circ 00' 00''$  (RT)  
 $D = 1^\circ 00' 00''$   
 $R = 5,729.23'$   
 $T = 450.90'$   
 $L = 899.94'$   
 $E = 17.72'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. = 0.027''$   
 P.C. STA. = 525+49.10  
 P.T. STA. = 534+49.04



HOT-MIX ASPHALT SURFACE  
 REMOVAL - BUTT JOINT  
 STA 544+72.5 TO STA 545+02.5

HOT-MIX ASPHALT SURFACE  
 REMOVAL - BUTT JOINT  
 STA 546+57.5 TO STA 546+87.5

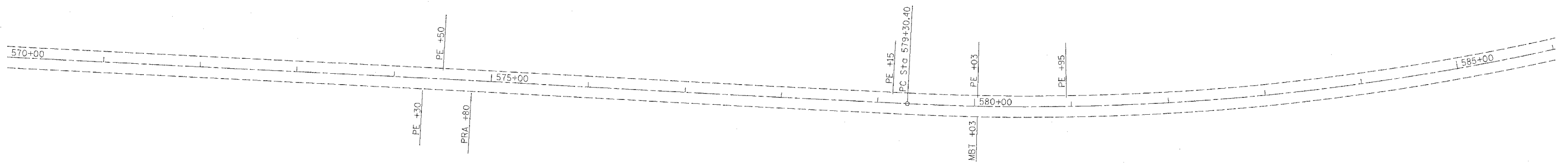
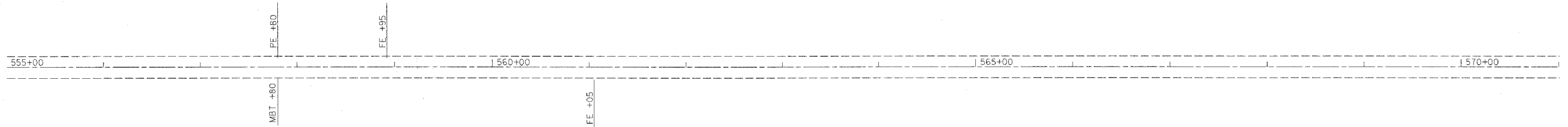
EXIST. CURVE 6300  
 PI STA. = 549+43.30  
 $\Delta = 18^\circ 08' 00''$  (RT)  
 $D = 2^\circ 59' 59''$   
 $R = 1,910.04'$   
 $T = 304.80'$   
 $L = 604.50'$   
 $E = 24.17'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. = 0.054''$   
 P.C. STA. = 546+38.50  
 P.T. STA. = 552+43.00



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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782		CRAWFORD	37	35

STA. TO STA.  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 • (102Z, 108Z, 1018)RS-2



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

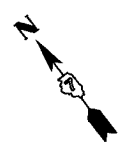


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	*	CRAWFORD	37	37
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* (102Z, 108Z, 1018)RS-2				

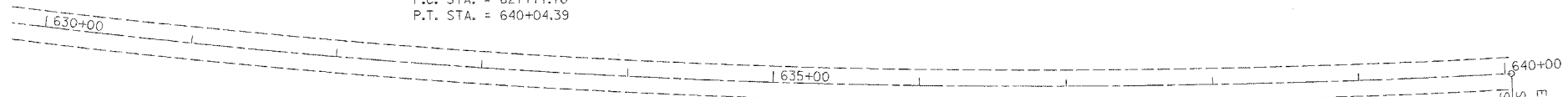
PROJECT FAP ROUTE 781 (IL 33)  
SECTION (102Z, 108Z, 108)RS-2  
CRAWFORD COUNTY  
ENDS STATION 623+14

CRAWFORD COUNTY LINE  
LAWRENCE COUNTY LINE

PC Sta. 627+77.70



EXIST. CURVE 6900  
PI STA. = 633+93.40  
 $\Delta = 12^\circ 16' 00''$  (LT)  
D =  $1^\circ 00' 00''$   
R = 5,729.70'  
T = 615.70'  
L = 1,226.69'  
E = 32.99'  
 $\theta = \text{-----}$   
T.R. =  $\text{-----}$   
S.E. = 0.027'/'  
P.C. STA. = 627+77.70  
P.T. STA. = 640+04.39



EQUATION:  
STA 640+04.39 BK =  
STA 640+05.10 AH

PLOT DATE = 04/25/08  
FILE NAME = 081104  
USER NAME = MURKIN