

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	(107Z)RS-3	EFFINGHAM	10	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 74135		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

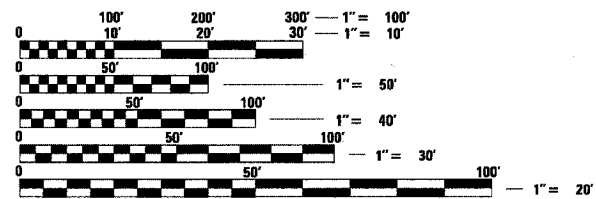
FAP ROUTE 774 (IL 33)  
SECTION (107Z)RS-3  
EFFINGHAM COUNTY  
C-97-010-06  
PROJECT: F-0774(030)



FOR INDEX OF SHEETS, SEE SHEET NO. 2

STATION EQUATION:  
STA. 1202+05.29 (BK) = STA. 49+20.18 (AH)

2007 ADT = 27,000



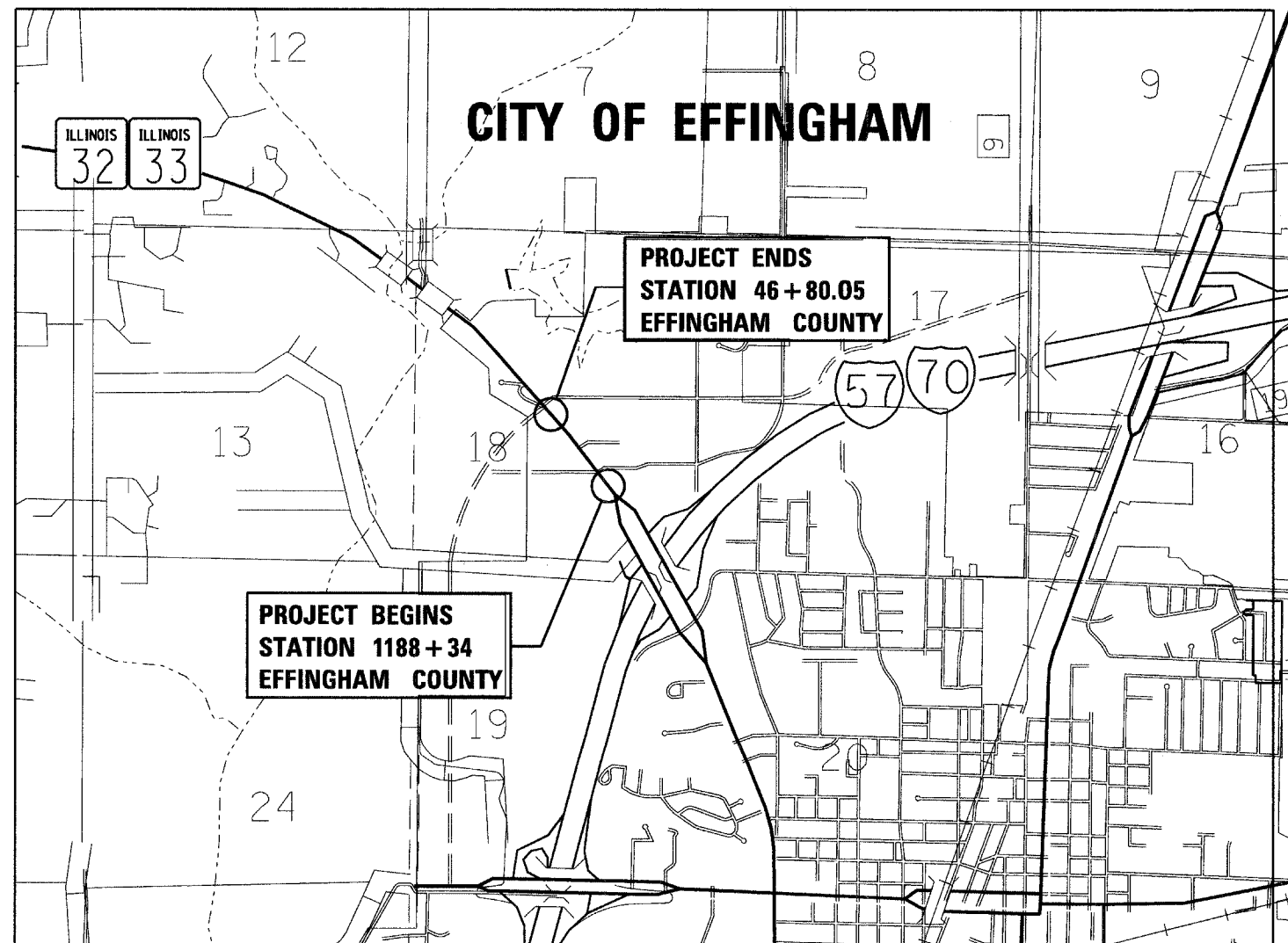
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

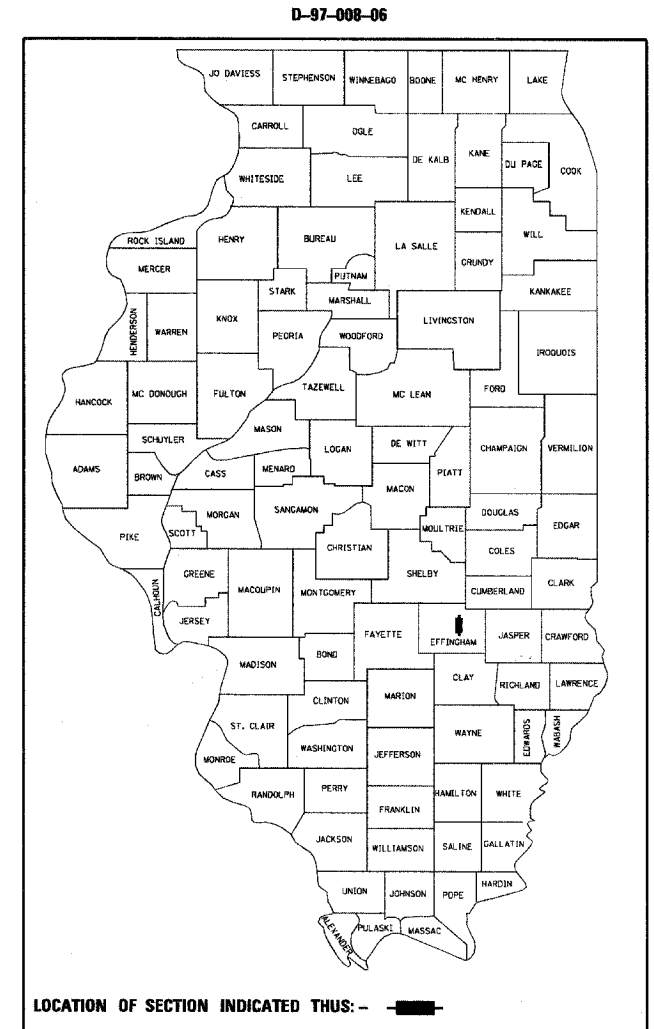
TOWNSHIP: SUMMIT

PROJECT ENGINEER: TOM ROMAN  
PROJECT MANAGER: MYRA OLTMAN

CONTRACT NO. 74135



GROSS LENGTH OF PROJECT = 1611.42 FT. = 0.30 MILE  
NET LENGTH OF PROJECT = 1611.42 FT. = 0.30 MILE



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED March 19, 2008

*Christine M. Reed*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 9, 2008  
*Eric E. Harman*  
ENGINEER OF DESIGN AND ENVIRONMENT

May 9, 2008  
*Christine M. Reed*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

## GENERAL NOTES

THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS; THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2007; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" INDICATED ON THE CHECK SHEET, AND "THE SPECIAL PROVISIONS" INCLUDED IN THE PROPOSAL.

THIS PROJECT IS LOCATED ON ILLINOIS ROUTE 32/33 IN EFFINGHAM COUNTY BEGINNING NORTH OF FAI ROUTE 57/70 RAMP NORTH TO SOUTH OF FORD AVENUE. THE WORK INCLUDED IN SECTION (107Z)RS-3 CONSISTS OF PAVEMENT PATCHING, MILLING, BITUMINOUS RESURFACING, DETECTOR LOOPS, PAVEMENT MARKING, AND OTHER WORK NECESSARY TO COMPLETE THE SECTION.

THE TRAFFIC SIGNALS THROUGH THIS PROJECT ARE DETECTOR LOOP CONTROLLED. THE CONTRACTOR SHALL CONTACT DISTRICT 7 TRAFFIC SIGNAL ENGINEER JOSH PORTER, 217-342-8382, 72 HOURS PRIOR TO MILLING TO COORDINATE TRAFFIC SIGNAL CONTROLLER CHANGES.

PAVEMENT MARKING SHALL BE APPLIED IN ACCORDANCE WITH SECTION 780 OF THE STANDARD SPECIFICATIONS. SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE MILLED SURFACE, BITUMINOUS MATERIALS (PRIME COAT), AND HOT-MIX ASPHALT SURFACE COURSE AS SPECIFIED IN SECTION 703 OF THE STANDARD SPECIFICATIONS. TEMPORARY TAPE SHALL BE USED ON THE SURFACE COURSE AND PAINT SHALL BE USED ON MILLED SURFACES.

THE TOTAL QUANTITY OF POLYUREA PAVEMENT MARKING TYPE II - LINE 4" CONSISTS OF 3827 FEET OF YELLOW AND 1186 FEET OF WHITE.

THE TOTAL QUANTITY OF POLYUREA PAVEMENT MARKING TYPE II - LINE 6" CONSISTS OF 42 FEET OF YELLOW AND 920 FEET OF WHITE.

THE TOTAL QUANTITY OF POLYUREA PAVEMENT MARKING TYPE II - LINE 12" CONSISTS OF 80 FEET OF YELLOW.

THE TOTAL QUANTITY OF POLYUREA PAVEMENT MARKING TYPE II - LINE 24" CONSISTS OF 198 FEET OF WHITE.

THE TOTAL QUANTITY OF POLYUREA PAVEMENT MARKING TYPE II - LETTERS AND SYMBOLS CONSISTS OF 167 SQUARE FEET OF WHITE.

THE TOTAL QUANTITY OF RAISED REFLECTIVE PAVEMENT MARKERS IS 74 TWO-WAY AMBER AND 40 OF ONE -WAY CRYSTAL .

BITUMINOUS MATERIALS (PRIME COAT), THE CONTRACTOR SHALL USE EITHER RC-70 OR AN EMULSIFIED POLYMER PRIME SS-1HP.

THE RESIDENT ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE CURING TIME FOR THE HOT-MIX ASPHALT SURFACE COURSE.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

SURFACE COURSE (1 7/8")

APPLICATION: HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N90  
 PG GRADE: SBS PG 70-22  
 DESIGN AIR VOIDS: 4.0% @ NDESIGN = 90  
 MIXTURE COMPOSITION: IL-9.5  
 FRICTION AGGREGATE: MIXTURE E

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN THE CALCULATING PLAN QUANTITIES:

BITUMINOUS MATERIALS (PRIME COAT) 0.10 GAL/SQ. YD  
 AGGREGATE (PRIME COAT) 4 LBS./SQ. YD  
 HOT-MIX ASPHALT 112 LBS./SQ. YD/INCH

## INDEX OF SHEETS

SHEET NO	TITLE
1	COVER SHEET
2	GENERAL NOTES, INDEX OF SHEETS
3	SUMMARY OF QUANTITIES
4-5	TYPICAL SECTIONS
6	TIE POINTS
7	RESURFACING SCHEDULE
8	PAVEMENT MARKING SCHEDULE
9	PAVEMENT PATCHING SCHEDULE
10-12	PLAN SHEETS
13-15	PAVEMENT MARKING PLANS
16-17	PAVEMENT MARKING DETAIL
18	TYPICAL APPLICATION OF DETECTOR L OOPS

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED AFTER SHEET NO. 18.

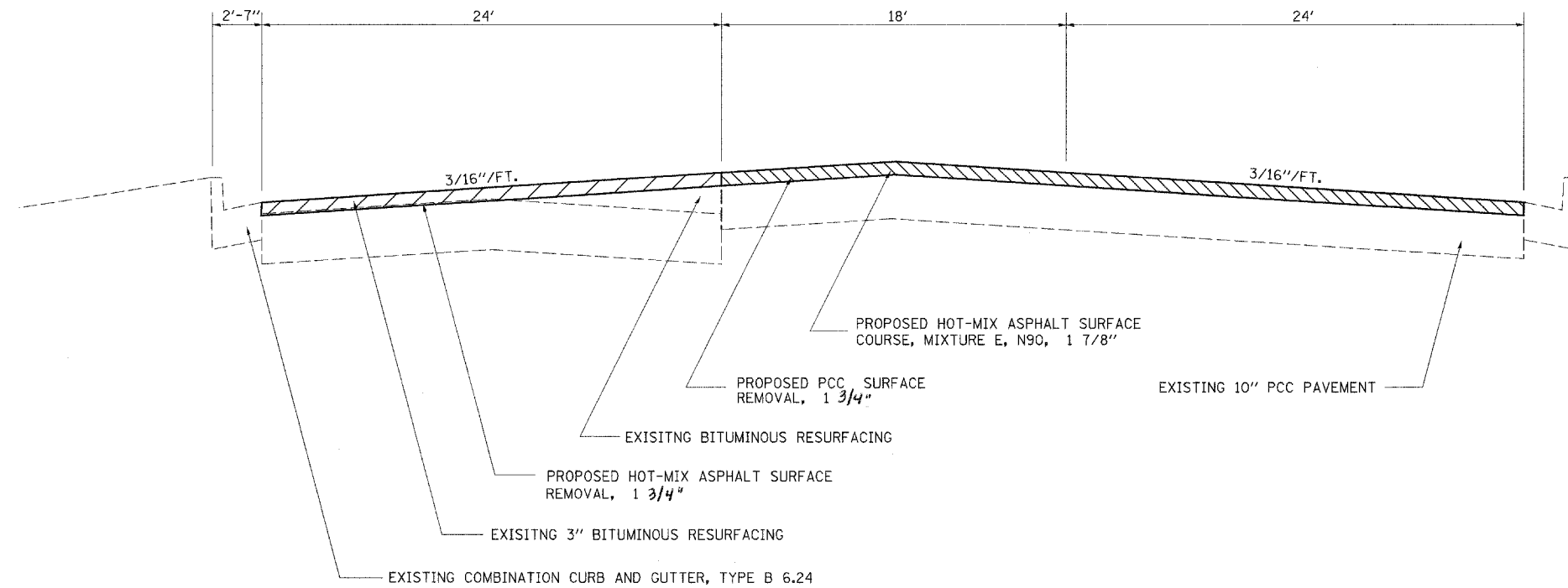
STD. NO.	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-01	AREAS OF REINFORCEMENT BARS
420701-02	PAVEMENT FABRIC
442101-07	CLASS B PATCHES
442201-03	CLASS C AND D PATCHES
602301-01	INLET- TYPE A
606001-03	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701602-03	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701701-05	URBAN LANE CLOSURE MULTILANE INTERSECTION
701901	TRAFFIC CONTROL DEVICES
780001-01	TYPICAL PAVEMENT MARKINGS
781001-02	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
886001	DETECTOR LOOP INSTALLATIONS
886006	TYPICAL LAYOUT FOR DETECTION LOOPS

FILE NAME = c:\projects\74135d\ahhtypocel_74135.dgn	USER NAME = swa-trw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES - INDEX OF SHEETS</b>	F.A.P. RTE. 774	SECTION (107Z)RS-3	COUNTY EFFINGHAM	TOTAL SHEETS 18	SHEET NO. 2
PLOT SCALE = 48.0000' / IN.	PLOT DATE = 3/21/2008	DRAWN -	CHECKED -	REVISED -	REVISED -	SCALE: NA		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.
						FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
						CONTRACT NO. 74135				

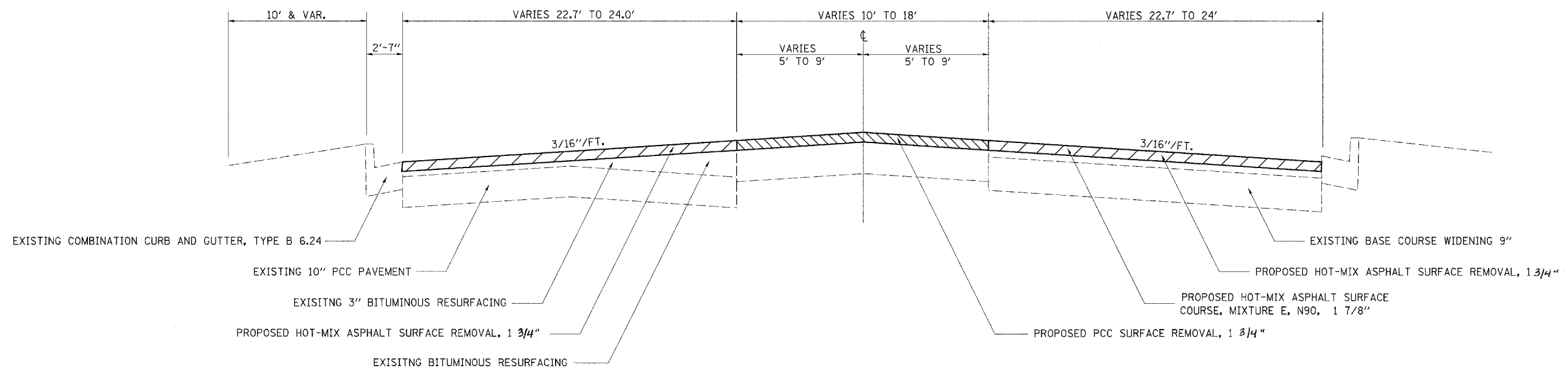
SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE
CODE NO	ITEM	UNIT		URBAN 1000 80% FED./20% STATE
44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SQ YD	10238	10238
X0325426	PORTLAND CEMENT CONCRETE SURFACE REMOVAL, 1 3/4"	SQ YD	1632	1632
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1188	1188
40600990	TEMPORARY RAMP	SQ YD	109	109
40603370	HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N90	TON	1246	1246
40600300	AGGREGATE (PRIME COAT)	TON	23	23
44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	16	16
44201015	CLASS B PATCHES, TYPE I, 14 INCH	SQ YD	115	115
44201811	CLASS D PATCHES, TYPE I, 14 INCH	SQ YD	5	5
44201815	CLASS D PATCHES, TYPE II, 14 INCH	SQ YD	317	317
44201819	CLASS D PATCHES, TYPE III, 14 INCH	SQ YD	24	24
44201821	CLASS D PATCHES, TYPE IV, 14 INCH	SQ YD	93	93
44213000	PATCHING REINFORCEMENT	SQ YD	115	115
44213200	SAW CUTS	FOOT	678	678
60263100	INLETS TO BE RECONSTRUCTED WITH NEW TYPE 3 FRAME AND GRATE	EACH	1	1
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	3	3
67100100	MOBILIZATION	L SUM	1	1
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1

SUMMARY OF QUANTITIES (Cont'd)			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE
CODE NO	ITEM	UNIT		URBAN 1000 80% FED./20% STATE
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	1933	1933
70300610	TEMPORARY PAINT PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	167	167
70300625	TEMPORARY PAINT PAVEMENT MARKING LINE 4"	FOOT	5013	5013
70300635	TEMPORARY PAINT PAVEMENT MARKING LINE 6"	FOOT	962	962
70300645	TEMPORARY PAINT PAVEMENT MARKING LINE 12"	FOOT	80	80
70300660	TEMPORARY PAINT PAVEMENT MARKING LINE 24"	FOOT	198	198
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	54	54
* 78008300	POLYUREA PAVEMENT MARKING TYPE II - LETTERS AND SYMBOLS	SQ FT	167	167
* 78008310	POLYUREA PAVEMENT MARKING TYPE II - LINE 4"	FOOT	5013	5013
* 78008330	POLYUREA PAVEMENT MARKING TYPE II - LINE 6"	FOOT	962	962
* 78008350	POLYUREA PAVEMENT MARKING TYPE II - LINE 12"	FOOT	80	80
* 78008370	POLYUREA PAVEMENT MARKING TYPE II - LINE 24"	FOOT	198	198
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	114	114
* 88600100	DETECTOR LOOP, TYPE I	FOOT	1471	1471
Z0017202	DOWEL BARS 1 1/2"	EACH	272	272

\* Specialty Items

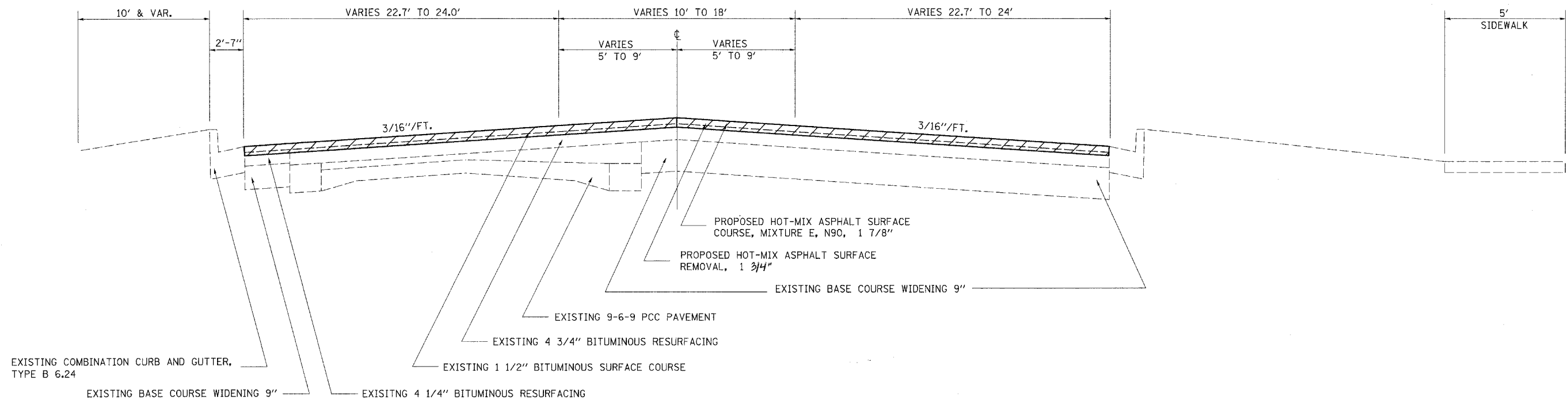


ILL ROUTE 33  
STATION 1188+34 TO STATION 1191+20



ILL ROUTE 33  
STATION 1191+20.00 TO STATION 1192+50

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		DRAWN -	REVISED -		SCALE: NA	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.	CONTRACT NO. 74135				
		CHECKED -	REVISED -					FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT				
		DATE -	REVISED -										

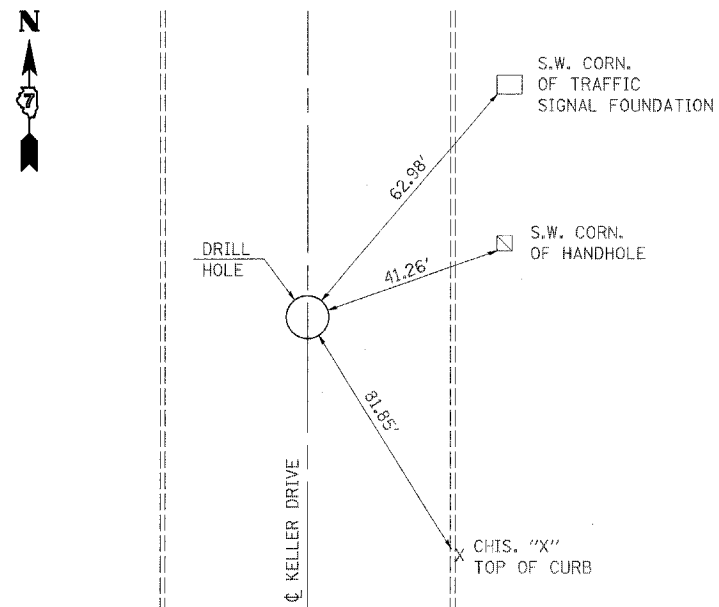


ILL ROUTE 33

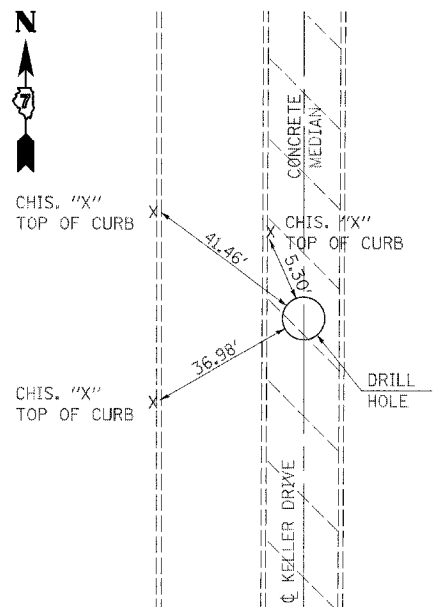
STATION 1192+50 TO STATION 1202+05.29  
 STATION 46+80.03 TO STATION 49+20.18

FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL CROSS SECTIONS</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ci:\projects\74135d\shhtypical.74135.dgn		DRAWN -	REVISED -		774	(107Z)RS-3	EFFINGHAM	18	5				
PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 74135								
PLOT DATE = 3/21/2008		DATE -	REVISED -		SCALE: NA	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

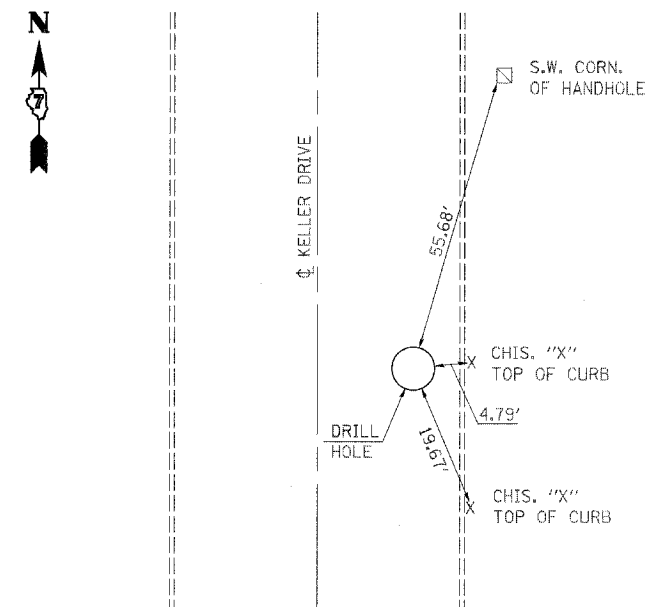
P. T. 1167+23.81



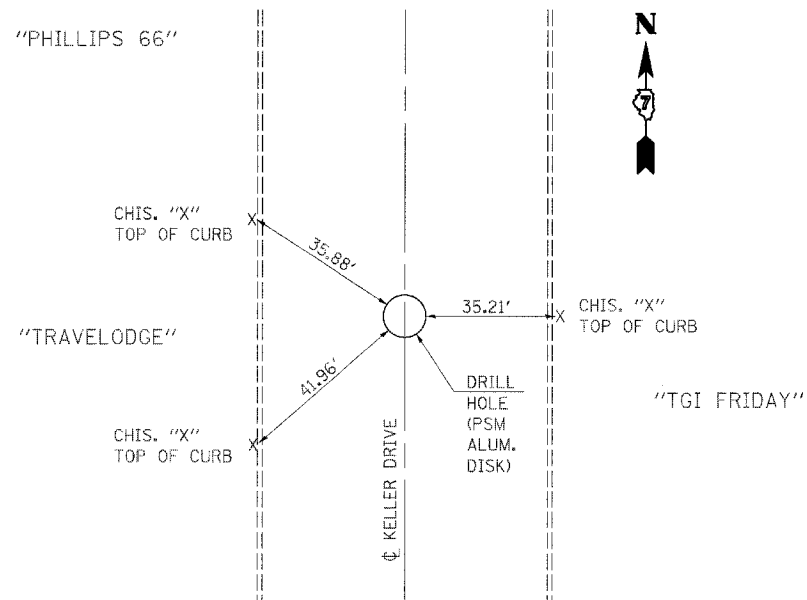
P. C. 1174+78.13



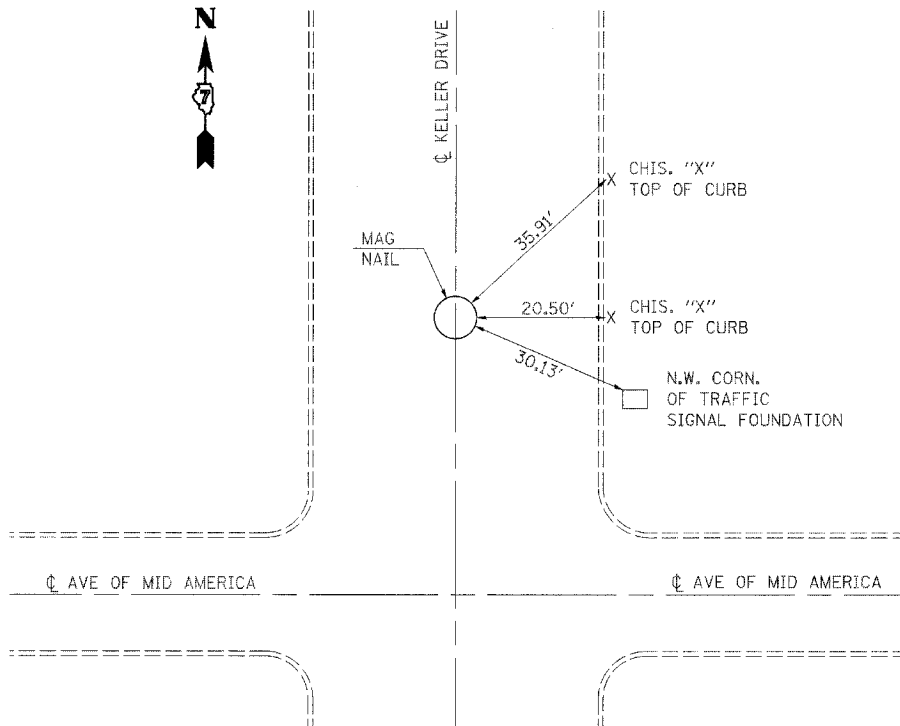
P. I. 1183+18.93



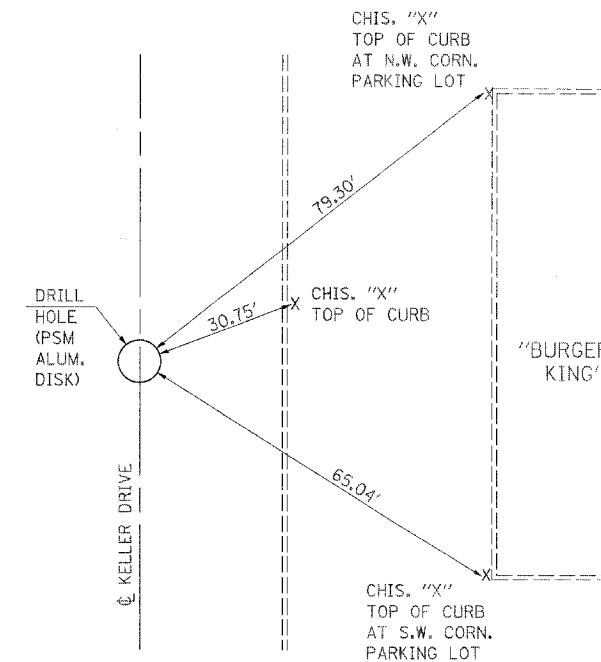
P. C. C. 1191+56.74



P. I. 1196+81.47



P. T. 1202+05.29



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USER NAME = swartzrw  
 PLOT SCALE = 28,0000' / IN.  
 PLOT DATE = 3/21/2008

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TIE POINTS

SCALE: NA SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
774	(107Z)RS-3	EFFINGHAM	18	6
CONTRACT NO. 74135				
FED. ROAD DIST. NO.	ILLINOIS/FED. AID PROJECT			

RESURFACING SCHEDULE			LENGTH FEET	PAVEMENT WIDTH FEET	AREA SQ YD	BITUMINOUS MATERIALS (PRIME COAT) GALLON	AGGREGATE (PRIME COAT) TON	HOT MIX ASPHALT SURFACE COURSE, MIX *E*, N90 TON	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4" SQ YD	PORTLAND CEMENT CONCRETE SURFACE REMOVAL 1 3/4" SQ YD	TEMPORARY RAMP SQ YD
STATION TO STATION											
1188+34.00	TO	1188+71.50	37.50	65.90	2471	28	0.50	28.8	98.8	176	51.3
1188+71.50	TO	1189+00.00	28.50	65.85	1877	21	0.40	21.9	75.7	133	
1189+00.00	TO	1189+50.00	50.00	66.23	3312	37	0.70	38.6	133.8	234	
1189+50.00	TO	1190+00.00	50.00	65.91	3296	37	0.70	38.4	134.7	231	
1190+00.00	TO	1190+50.00	50.00	65.28	3264	36	0.70	38.1	135.7	227	
1190+50.00	TO	1191+00.00	50.00	65.97	3299	37	0.70	38.5	136.6	230	
1191+00.00	TO	1191+34.00	34.00	65.83	2238	25	0.50	26.1	93.7	155	
1191+34.00	TO	1192+00.00	66.00	65.95	4353	48	1.00	50.8	358.2	125	
1192+00.00	TO	1192+64.00	64.00	65.22	4174	46	0.90	48.7	342.9	121	
1192+64.00	TO	1193+00.00	36.00	64.50	2322	26	0.50	27.1	258.0		
1193+00.00	TO	1193+50.00	50.00	64.75	3238	36	0.70	37.8	359.7		
1193+50.00	TO	1194+00.00	50.00	64.75	3238	36	0.70	37.8	359.7		
1194+00.00	TO	1194+50.00	50.00	64.64	3232	36	0.70	37.7	359.1		
1194+50.00	TO	1195+00.00	50.00	63.58	3179	35	0.70	37.1	353.2		
1195+00.00	TO	1195+13.64	13.64	64.35	878	10	0.20	10.2	97.5		9.3
1195+13.64	TO	1195+50.00	36.36	75.94	2761	31	0.60	32.2	306.8		
1195+50.00	TO	1196+00.00	50.00	74.46	3723	41	0.80	43.4	413.7		
1196+00.00	TO	1196+50.00	50.00	71.56	3578	40	0.80	41.7	397.6		
1196+50.00	TO	1197+00.00	50.00	68.59	3430	38	0.80	40.0	381.1		
1197+00.00	TO	1197+50.00	50.00	65.64	3282	37	0.70	38.3	364.7		
1197+50.00	TO	1198+00.00	50.00	65.64	3282	37	0.70	38.3	364.7		
1198+00.00	TO	1198+50.00	50.00	65.85	3293	37	0.70	38.4	365.8		
1198+50.00	TO	1199+00.00	50.00	66.80	3340	37	0.70	39.0	371.1		
1199+00.00	TO	1199+50.00	50.00	67.04	3352	37	0.70	39.1	372.4		
1199+50.00	TO	1200+00.00	50.00	66.66	3333	37	0.70	38.9	370.3		
1200+00.00	TO	1200+50.00	50.00	66.89	3345	37	0.70	39.0	371.6		
1200+50.00	TO	1201+00.00	50.00	66.98	3349	37	0.70	39.1	372.1		
1201+00.00	TO	1201+50.00	50.00	66.72	3336	37	0.70	38.9	370.7		
1201+50.00	TO	1202+00.00	50.00	66.32	3316	37	0.70	38.7	368.4		
1202+00.00	TO	1202+05.29	5.29	65.88	349	4	0.10	4.1	38.7		
1202+05.29	=	49+20.18	STATION EQ								
49+20.18	TO	48+70.18	50.00	65.88	3294	37	0.70	38.4	366.0		
48+70.18	TO	48+50.00	20.18	65.30	1318	15	0.30	15.4	146.4		
48+50.00	TO	48+00.00	50.00	64.71	3236	36	0.70	37.7	359.5		
48+00.00	TO	47+50.00	50.00	64.19	3210	36	0.70	37.4	356.6		
47+50.00	TO	47+17.55	32.45	62.45	2027	23	0.50	23.6	225.2		
47+17.55	TO	46+80.05	37.50	61.74	2315	26	0.50	27.0	257.3		48.0
TOTALS			1611		106834	1188	23	1246	10238	1632	109

PAVEMENT MARKING SCHEDULE

STATION TO STATION			LENGTH	FOOT	SQ FT	SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	EACH	SQ FT	FOOT	FOOT	FOOT	FOOT
1188+34	TO	1192+80	446	535	15	44	1338	0	0	0	34	44	1338	0	0	0	0
1192+80	TO	1193+37	57	68	2	18	228	0	0	0	5	18	228	0	0	0	0
1193+37	TO	1193+60	23	28	1	0	137	0	0	0	2	0	137	0	0	0	0
1193+60	TO	1194+14	54	65	2	9	299	0	40	0	5	9	299	0	40	0	0
1194+14	TO	1194+22	8	10	0	0	28	0	0	0	1	0	28	0	0	0	0
1194+22	TO	1195+22	100	120	3	26	450	0	0	0	9	26	450	0	0	0	0
1195+22	TO	1196+61	139	167	5	0	0	962	0	198	0	0	0	962	0	198	0
1196+61	TO	1196+79	18	22	1	9	63	0	0	0	1	9	63	0	0	0	0
1196+79	TO	1197+79	100	120	3	9	340	0	0	0	8	9	340	0	0	0	0
1197+79	TO	1198+34	55	66	2	0	254	0	40	0	4	0	254	0	40	0	0
1198+34	TO	1198+59	25	30	1	0	119	0	0	0	2	0	119	0	0	0	0
1198+59	TO	1202+05	346	415	12	35	1038	0	0	0	26	35	1038	0	0	0	0
1202+05	=	49+20	STATION EQUATION				0	0	0	0	0	0	0	0	0	0	0
49+20	TO	46+80	240	288	8	18	720	0	0	0	18	18	720	0	0	0	0
TOTAL			1611	1933	54	167	5013	962	80	198	114	167	5013	962	80	198	0

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USER NAME = swartzw

DESIGNED -

REVISED -

DRAWN -

REVISED -

PLOT SCALE = 20.0000' / IN.

CHECKED -

REVISED -

PLOT DATE = 3/21/2008

DATE -

REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: NA

SHEET NO. 2 OF 3 SHEETS

STA.

TO STA.

F.A.P.  
RTE.

774

SECTION

(107)RS-3

COUNTY

EFFINGHAM

TOTAL  
SHEETS

18

SHEET  
NO.

8

CONTRACT NO. 74135

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



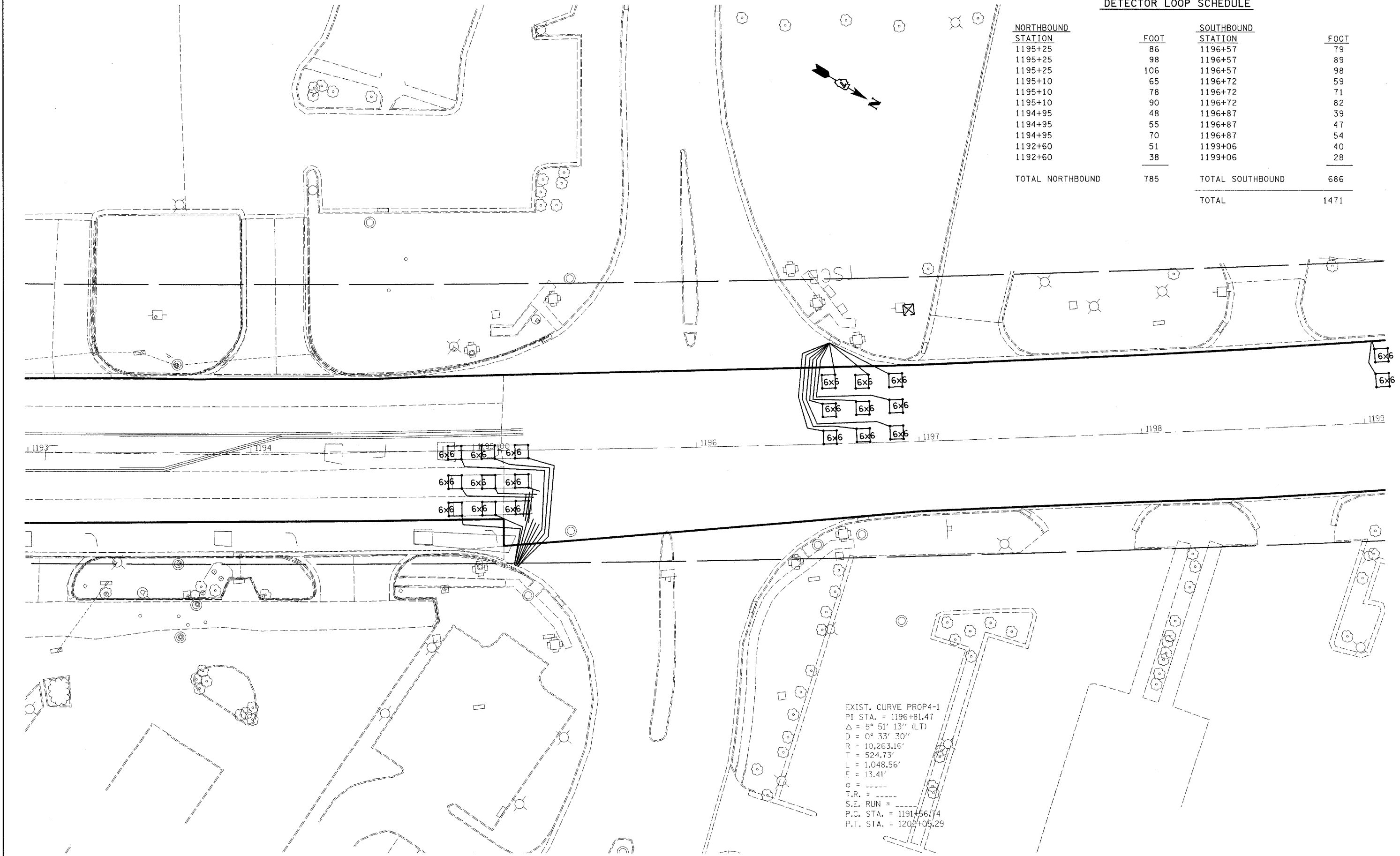
PAVEMENT PATCHING SCHEDULE

CLASS D PATCHES, 14"				
	TYPE I	TYPE II	TYPE III	TYPE IV
	SQ YD	SQ YD	SQ YD	SQ YD
SBDL	5	111	0	93
SBPL	0	92	24	0
CTL	0	34	0	0
NBDL	0	48	0	0
SBDL	0	32	0	0
TOTAL	5	317	24	93
CLASS B PATCHES, TYPE II, 14"				
	SIZE	SAW CUT	DOWELS	
	SQ YD	FOOT	EACH	
CTL	51	282	112	
NBDL	32	198	80	
NBPL	32	198	80	
TOTAL	115	678	272	



**DETECTOR LOOP SCHEDULE**

NORTHBOUND		SOUTHBOUND	
STATION	FOOT	STATION	FOOT
1195+25	86	1196+57	79
1195+25	98	1196+57	89
1195+25	106	1196+57	98
1195+10	65	1196+72	59
1195+10	78	1196+72	71
1195+10	90	1196+72	82
1194+95	48	1196+87	39
1194+95	55	1196+87	47
1194+95	70	1196+87	54
1192+60	51	1199+06	40
1192+60	38	1199+06	28
<b>TOTAL NORTHBOUND</b>	<b>785</b>	<b>TOTAL SOUTHBOUND</b>	<b>686</b>
		<b>TOTAL</b>	<b>1471</b>



EXIST. CURVE PROP4-1  
 PI STA. = 1196+81.47  
 $\Delta = 5^\circ 51' 13''$  (LT)  
 $D = 0^\circ 33' 30''$   
 $R = 10,263.16'$   
 $T = 524.73'$   
 $L = 1,048.56'$   
 $E = 13.41'$   
 $e =$   
 $T.R. =$   
 $S.E. RUN =$   
 $P.C. STA. = 1191+56.74$   
 $P.T. STA. = 1202+05.29$

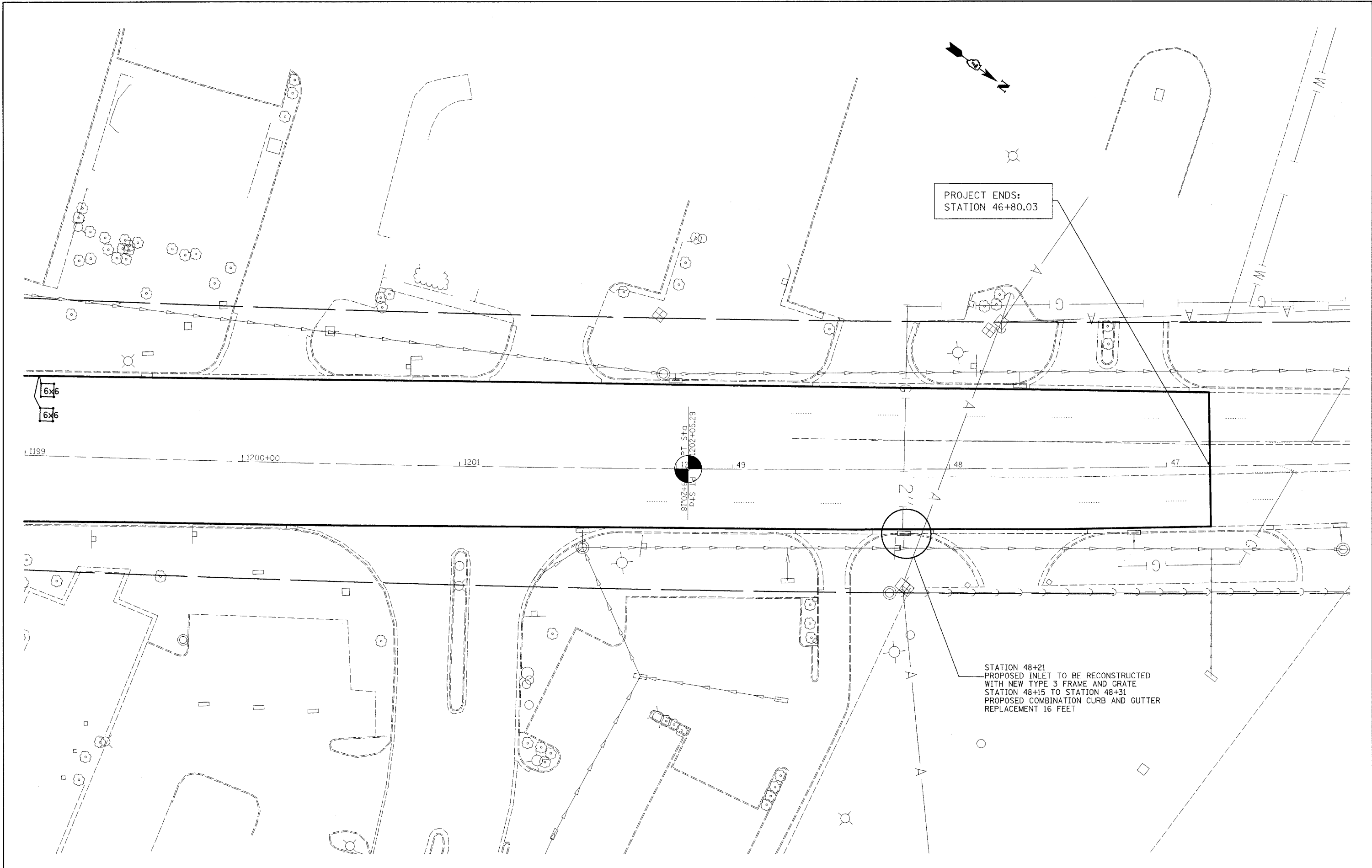
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET**

SCALE: 20      SHEET NO. 2 OF 3 SHEETS      STA. 1193+00.00 TO STA. 1199+00.00

F.A.P. RTE. 774	SECTION (107)RS-3	COUNTY EFFINGHAM	TOTAL SHEETS 18	SHEET NO. 11
CONTRACT NO. 74135				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



PROJECT ENDS:  
STATION 46+80.03

STATION 48+21  
PROPOSED INLET TO BE RECONSTRUCTED  
WITH NEW TYPE 3 FRAME AND GRATE  
STATION 48+15 TO STATION 48+31  
PROPOSED COMBINATION CURB AND GUTTER  
REPLACEMENT 16 FEET

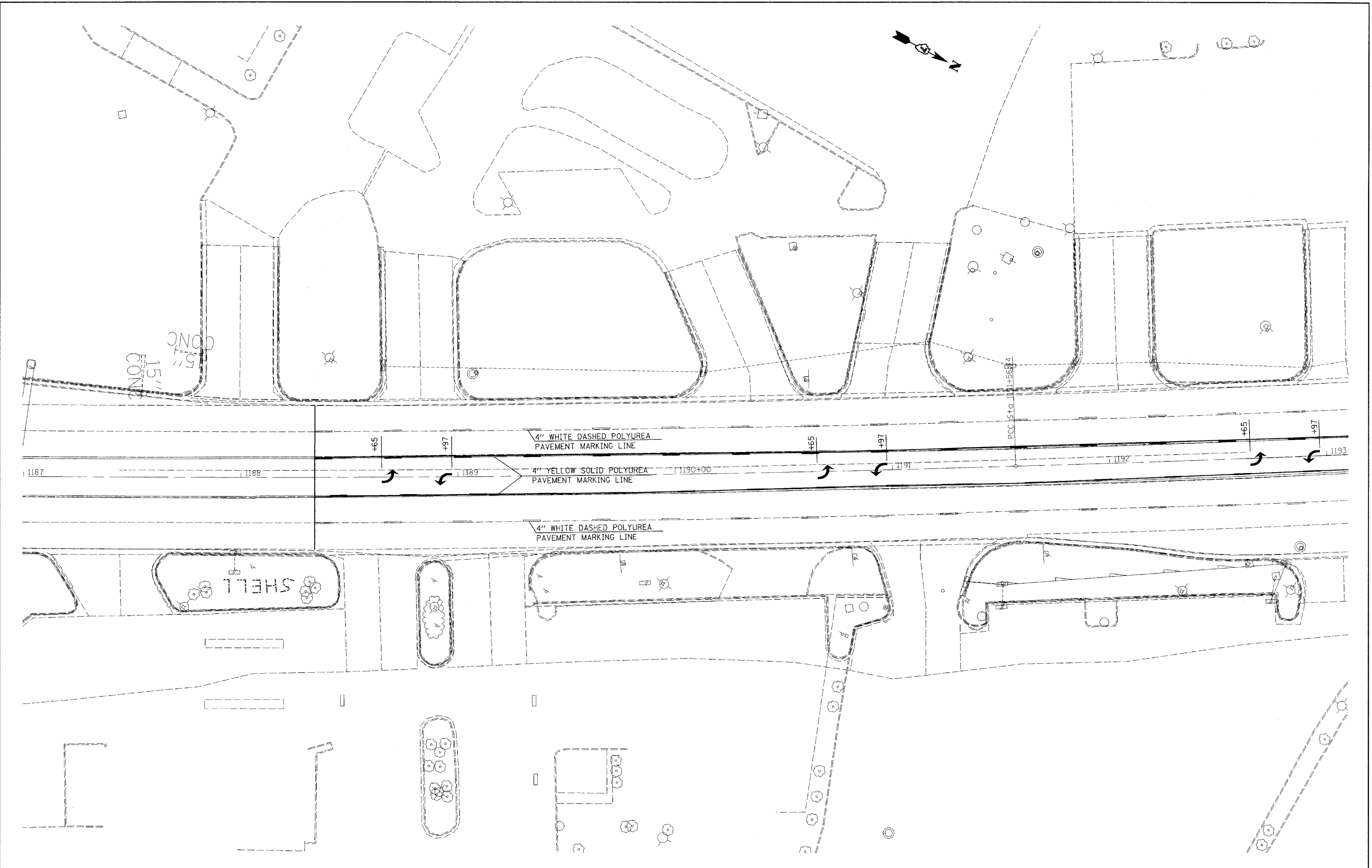
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET**

SCALE: 20 SHEET NO. 3 OF 3 SHEETS STA. 1199+00.00 TO STA. 46+80.05

F.A.P. RTE. 774	SECTION (107)RS-3	COUNTY EFFINGHAM	TOTAL SHEETS 18	SHEET NO. 12
FED. ROAD DIST. NO. (ILLINOIS) FED. AID PROJECT				
CONTRACT NO. 74135				



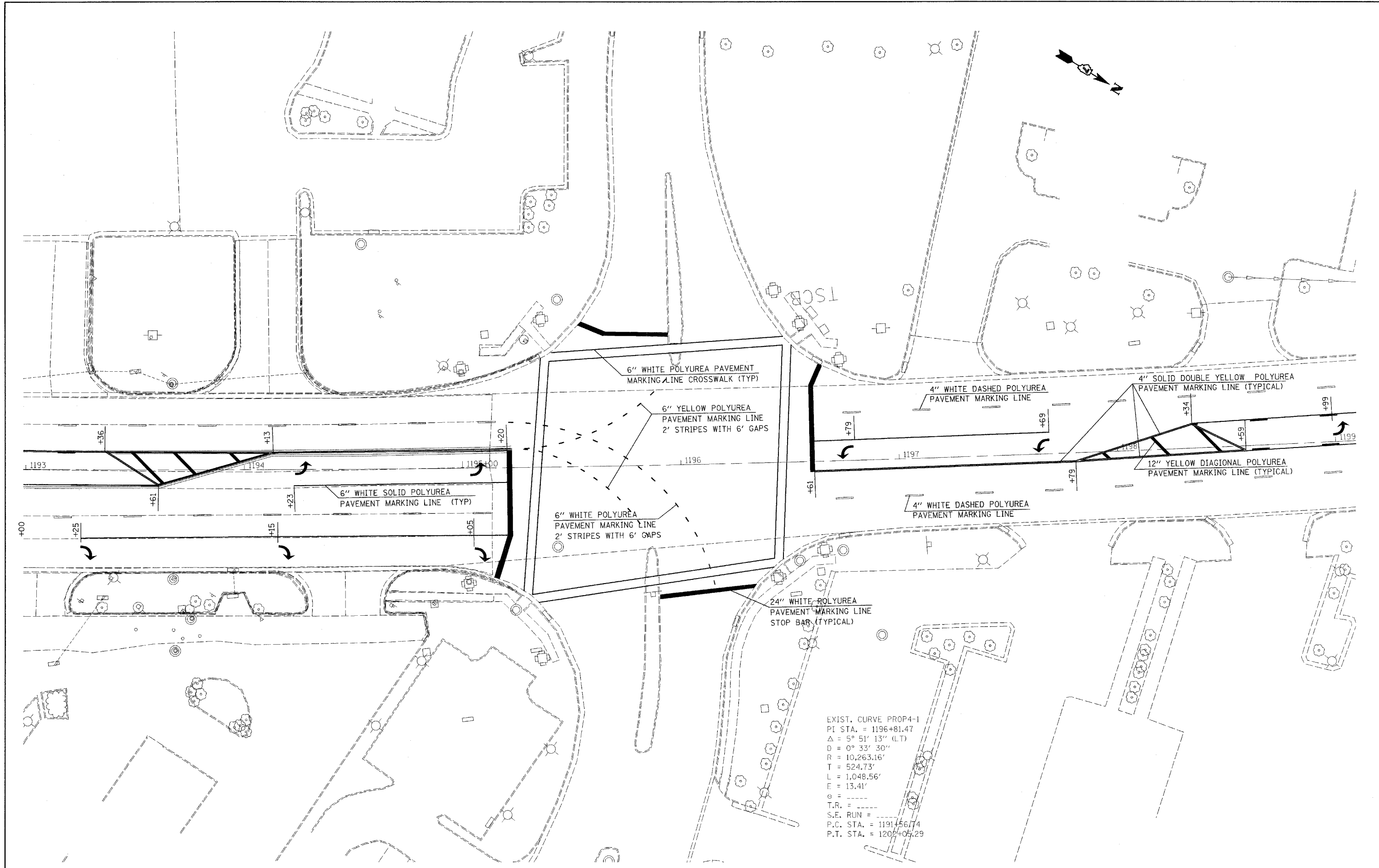
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	PLOT DATE = 3/21/2008	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN SHEET**

SCALE: 20      SHEET NO. 1 OF 3 SHEETS      STA. 1188+34.00 TO STA. 1193+00.00

F.A.P. RTE. 774	SECTION (107Z)RS-3	COUNTY EFFINGHAM	TOTAL SHEETS 18	SHEET NO. 13
CONTRACT NO. 74135				
FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT				



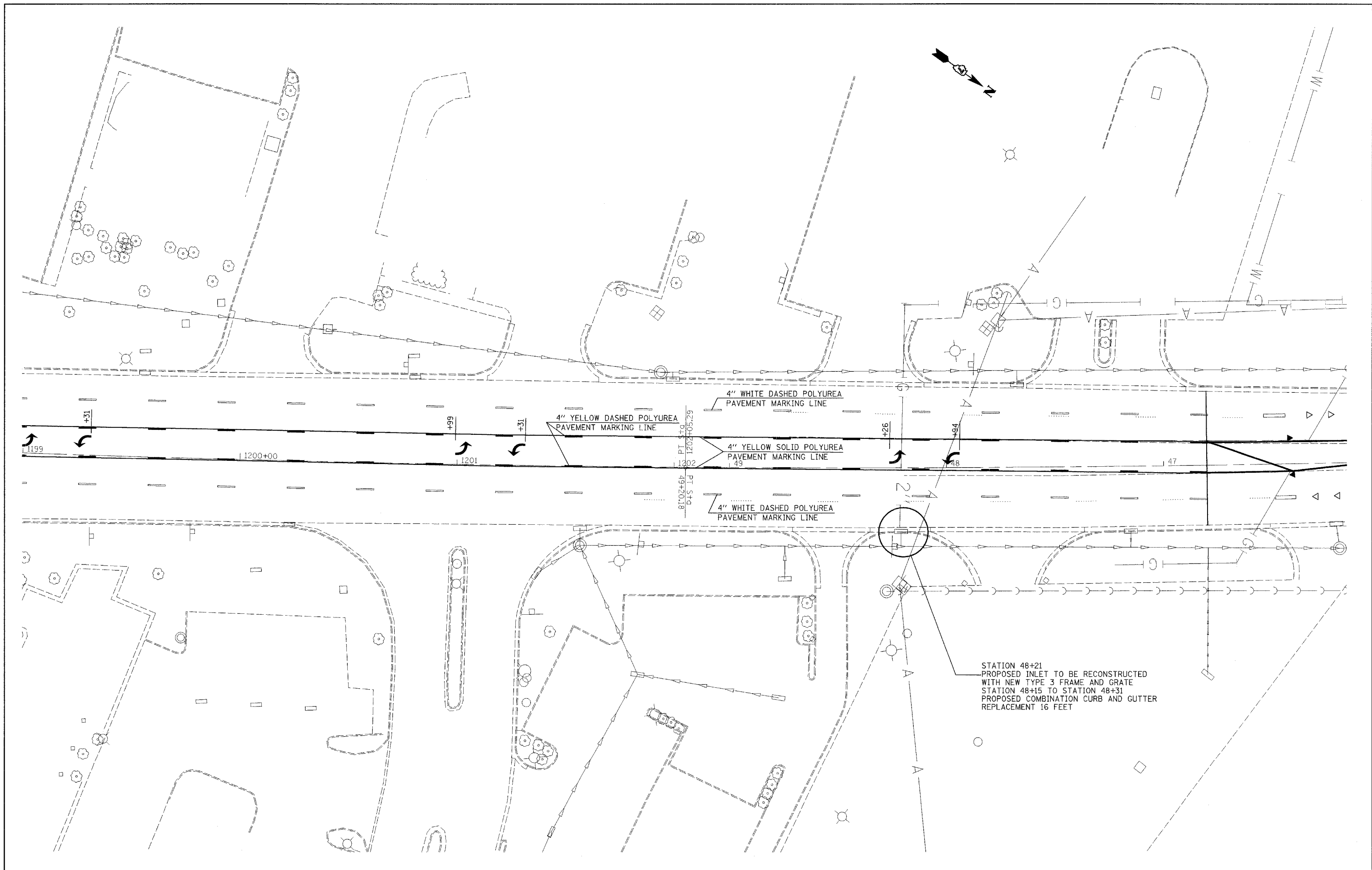
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

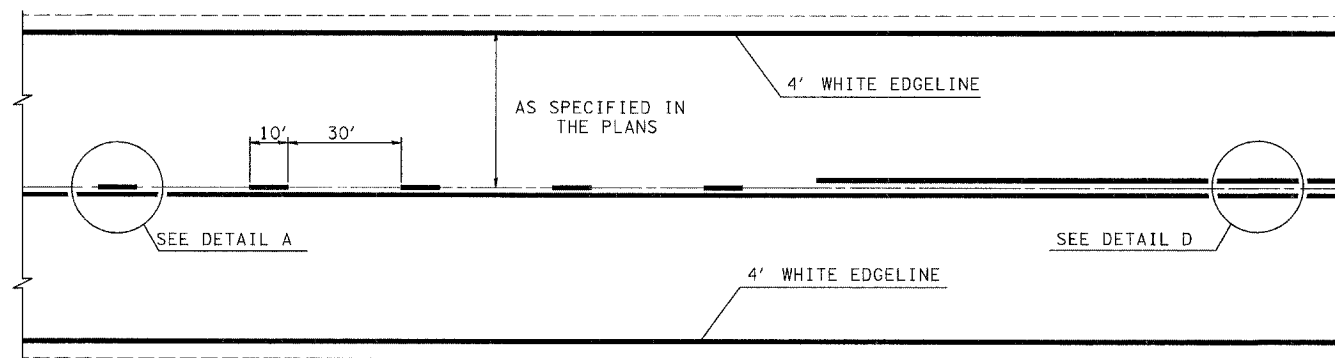
**PAVEMENT MARKING PLAN SHEET**

SCALE: 20' SHEET NO. 2 OF 3 SHEETS STA. 1188+34.00 TO STA. 1193+00.00

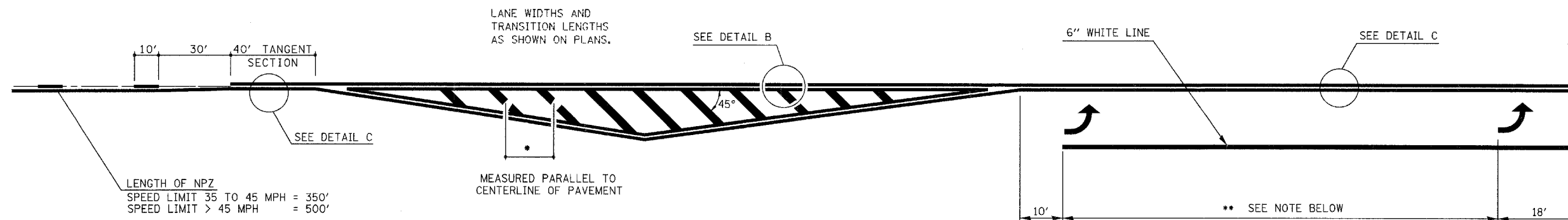
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CONTRACT NO. 74135				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



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	PLOT SCALE = 20.0000' / IN.	DRAWN -	REVISED -		SCALE: 20	SHEET NO. 3 OF 3 SHEETS	STA. 1188+34.00 TO STA. 1193+00.00	CONTRACT NO. 74135				
	PLOT DATE = 3/21/2008	CHECKED -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									



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'

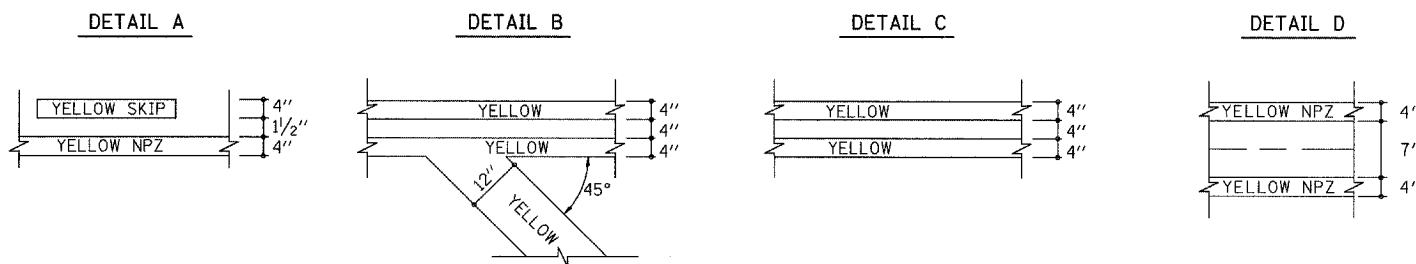
**\*DIAGONAL SPACING**

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.



NOT TO SCALE

REVISIONS	
NAME	DATE
MMO	12-99
DRM	08-04

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**TYPICAL APPLICATION OF PAVEMENT MARKINGS**  
**SHEET 1 OF 2**

SCALE: VERT. \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
HORIZ. \_\_\_\_\_ CHECKED BY \_\_\_\_\_  
DATE ISSUED: 05-06-96

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PLOT DATE = 3/21/2008	DATE -	REVISED -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

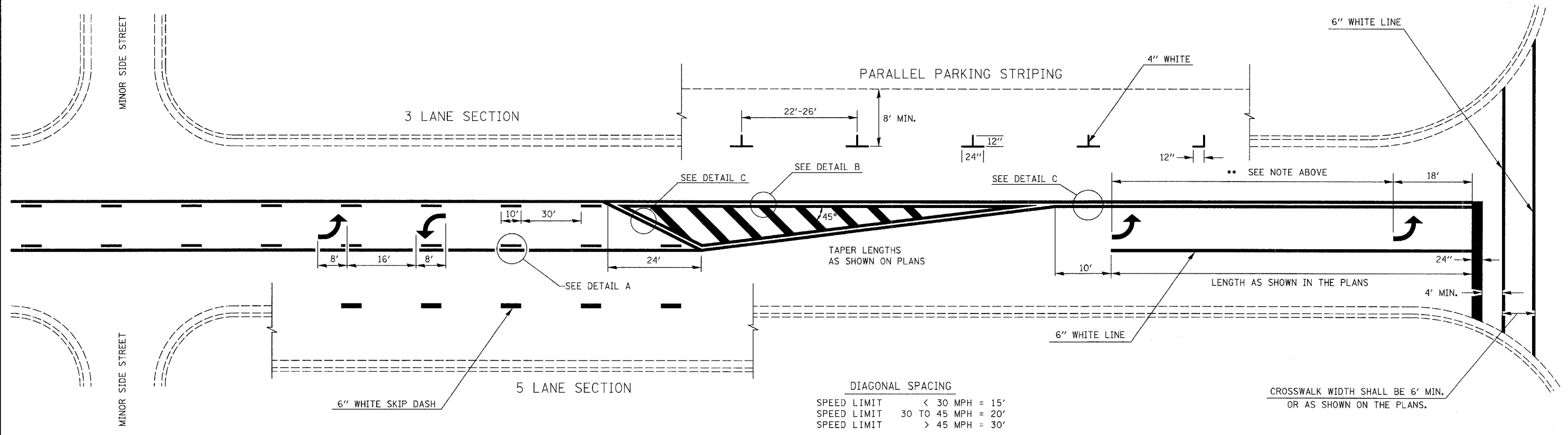
PAVEMENT MARKING DETAIL

SCALE: NA SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE. 774	SECTION 107ZRS-3	COUNTY EFFINGHAM	TOTAL SHEETS 18	SHEET NO. 16
CONTRACT NO. 74135				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



•• 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.



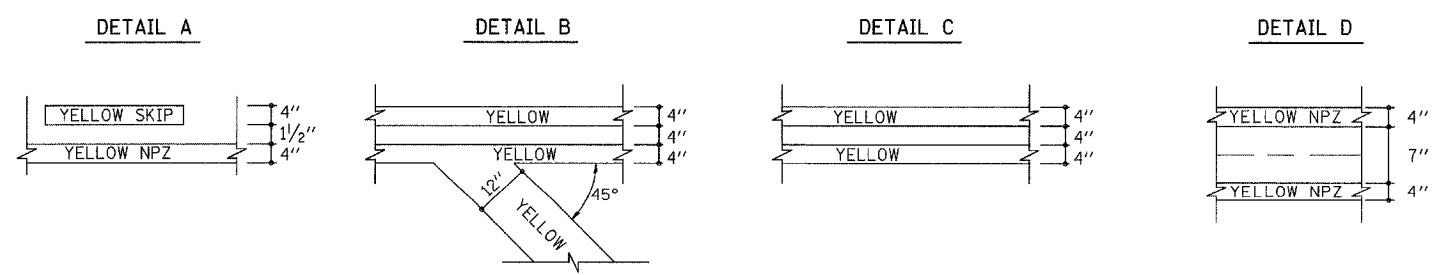
DIAGONAL SPACING

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'.



NOT TO SCALE

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION			
NAME	DATE	TYPICAL APPLICATION OF PAVEMENT MARKINGS			
MMO	12-99	SHEET 2 OF 2			
DRM	08-04				
SCALE: VERT. _____		DRAWN BY _____		TOTAL SHEETS _____	
DATE _____		CHECKED BY _____		SHEET NO. _____	
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
774	(107Z)RS-3	EFFINGHAM	18	17	
CONTRACT NO. 74135					
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

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	PLOT DATE = 3/21/2008	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAIL

SCALE: NA SHEET NO. 2 OF 2 SHEETS STA. TO STA.

