

district  
3/27/2006  
c:\projects\74063dp\d04304pa.dgn

CONTRACT NO. 74063

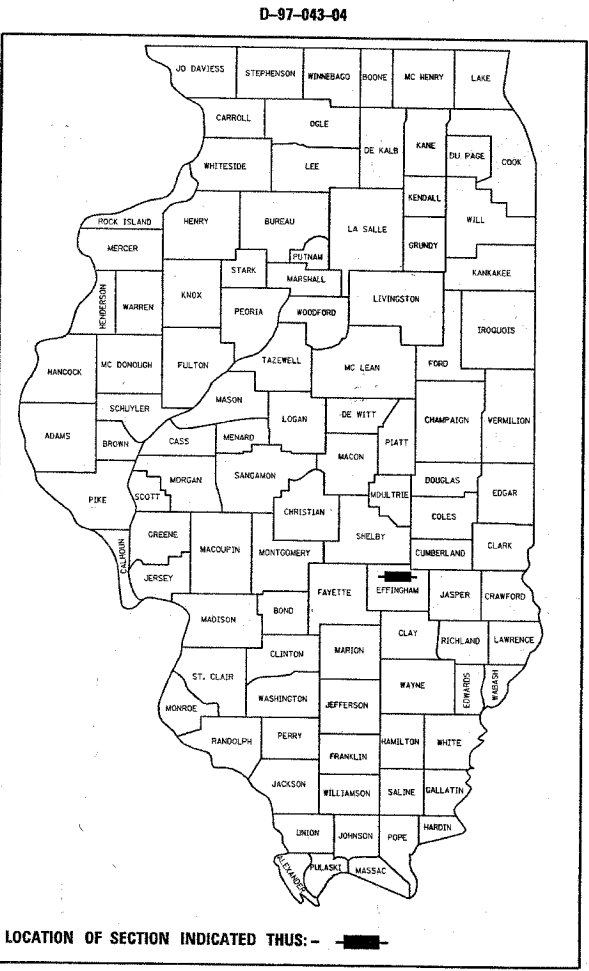
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	18RS	EFFINGHAM	13	1

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

FOR INDEX OF SHEETS, SEE SHEET NO. 2

**PROPOSED  
HIGHWAY PLANS**  
FAP ROUTE 95 (FAYETTE AVE.)  
PROJECT : F-0095(051)  
SECTION 18RS  
EFFINGHAM COUNTY  
BITUMINOUS RESURFACING

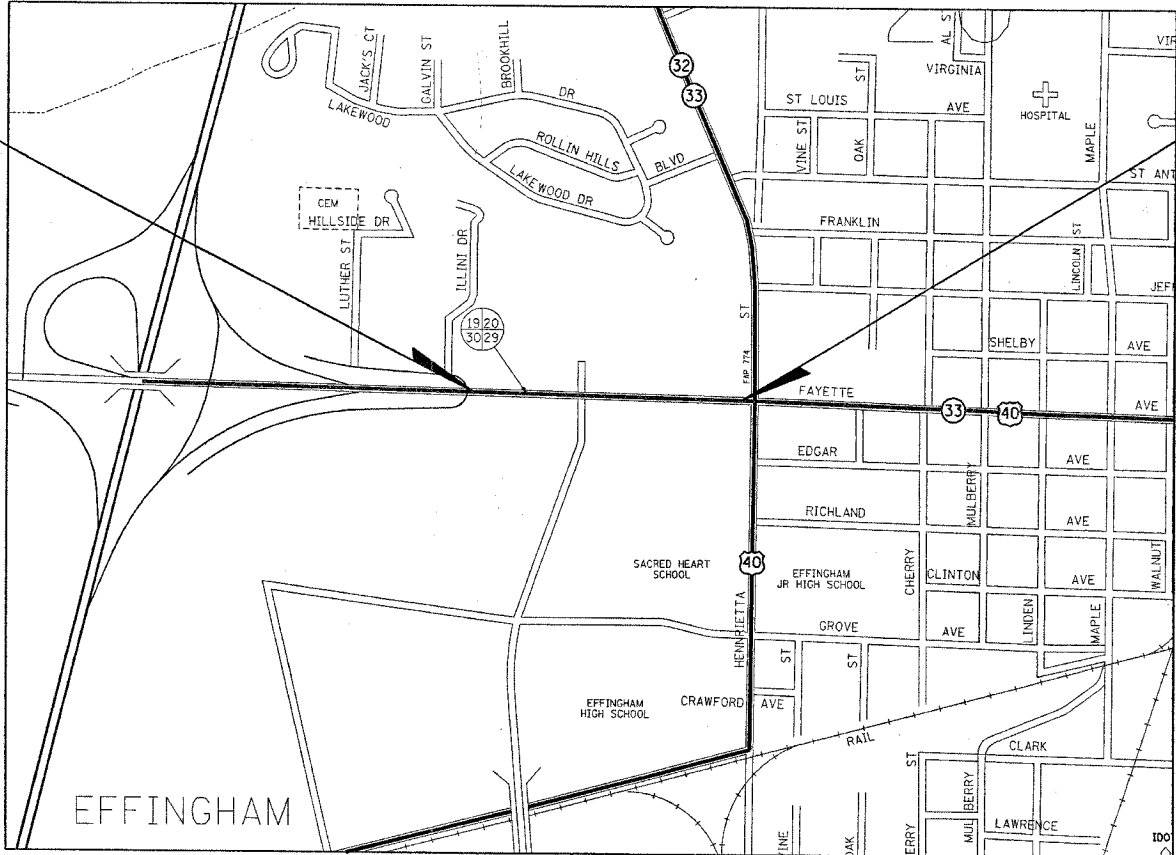
C-97-081-04



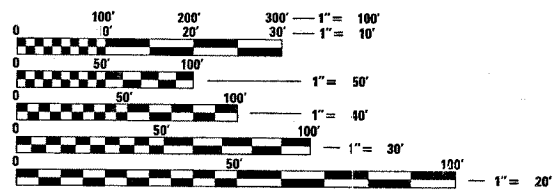
LOCATION OF SECTION INDICATED THUS: - ■ -

PROJECT BEGINS  
STA 69+25

PROJECT ENDS  
STA 83+83



ADT (2004) = 11000



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

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
SUBMITTED March 27, 2006  
Chuck H. Reed  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER  
May 12, 2006  
Nike Siew  
ENGINEER OF DESIGN AND ENVIRONMENT  
May 12, 2006  
William S. P.E.  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS**

CONTRACT NO. 74063 TOWNSHIP : DOUGLAS

GROSS LENGTH = 1458.0 FEET = 0.28 MILES  
NET LENGTH = 1458.0 FEET = 0.28 MILES

PROJECT ENGINEER : MARK DAUGHERTY  
SQUAD LEADER : BRIAN LEWIS  
DESIGNER : BRIAN BIERMAN  
TELEPHONE : 217/342-3951 EX 341



district  
3/30/2006  
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CONTRACT NO. 74063

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	18RS	EFFINGHAM	13	3
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

# SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			URBAN 80% FED 20% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		1000-2A		
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1032	1032		
40600300	AGGREGATE (PRIME COAT)	TON	21	21		
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	190	190		
40600990	TEMPORARY RAMP	SQ YD	236	236		
42001200	PAVEMENT FABRIC	SQ YD	108	108		
44000025	BITUMINOUS SURFACE REMOVAL (SPECIAL)	SQ YD	2571	2571		
44003510	MEDIAN REMOVAL PARTIAL DEPTH	SQ FT	1788	1788		
44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	304	304		
44200974	CLASS B PATCHES, TYPE III, 10 INCH	SQ YD	108	108		
44213200	SAW CUTS	FOOT	2838	2838		
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1		
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	5	5		
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		
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	2766	2766		
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	203	203		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	3888	3888		
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1405	1405		
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	234	234		
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	130	130		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	307	307		
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	203	203		
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	3888	3888		
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1405	1405		
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	234	234		
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	130	130		
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	108	108		
88600100	DETECTOR LOOP, TYPE I	FOOT	839	839		
X4066528	POLYMERIZED BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N90	TON	1130	1130		

SUMMARY OF QUANTITIES			URBAN 80% FED 20% STATE TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		1000-2A		
X4401705	PARTIAL DEPTH REMOVAL	SQ YD	307	307		
X4421000	PARTIAL DEPTH PATCHING	TON	69	69		
Z0017202	DOWEL BARS 1 1/2"	EACH	1080	1080		
Z0025500	FURNISHING AND INSTALLING PROPERTY MARKERS	EACH	1	1		
Z0042200	PORTLAND CEMENT CONCRETE PAVEMENT SURFACE REMOVAL	SQ YD	6702	6702		
Z0075300	TIE BARS	EACH	42	42		

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PLOT DATE \* 3/28/2006  
FILE NAME \* FILE1  
PLOT SCALE \* SCALE  
USER NAME \* district

REVISIONS	
NAME	DATE

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

\* SPECIALTY ITEMS

district  
3/30/2006  
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	18RS	EFFINGHAM	13	4
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PAVING & REMOVAL SCHEDULE

STATION TO STATION	LENGTH	EXISTING PAVT WIDTH	AREA	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	PCC SURFACE REMOVAL - BUTT JOINT	TEMPORARY RAMP	BITUMINOUS SURFACE REMOVAL (SPECIAL)	MEDIAN REMOVAL PARTIAL DEPTH	POLY BCSC, SUPERPAVE, MIX D, N90	PCC PAVEMENT SURFACE REMOVAL
<b>EB LANES</b>											
69+25 TO 70+71	146	24	389	42	0.8	80	19			46	322
70+71 TO 73+80	309	24	824	89	1.8					98	858
73+80 TO 79+47	567	24	1512	164	3.3					180	1575
79+47 TO 80+67	120	14	187	21	0.4	17	8	187		23	
80+67 TO 82+78	211	14-24	445	49	1.0			445		54	
82+78 TO 83+83	105	24	280	30	0.6		58	280		33	
<b>EXISTING RAISED MEDIAN</b>											
69+25 TO 70+71	146	4	65	6	0.1	13	3		464	7	
79+47 TO 82+78	331	4	147	15	0.3				1324	16	
<b>CENTERTURN LANE</b>											
70+71 TO 73+80	309	4-14	309	31	0.6					35	309
73+80 TO 79+47	567	14	882	88	1.8					99	882
79+47 TO 82+78	331	10	368	37	0.7			368		41	
82+78 TO 83+83	105	10-12	128	13	0.3		9	128		14	
<b>WB LANES</b>											
69+25 TO 70+71	146	24	389	42	0.8	80	19			46	322
70+71 TO 73+80	309	24	824	89	1.8					98	858
73+80 TO 79+47	567	24	1512	164	3.3					180	1575
79+47 TO 83+83	436	24	1163	126	2.5		120	1163		138	
<b>N. LEG FEATHER OF RANEY STREET (TRAPEZOIDAL AREA W/ BASES OF 158' &amp; 116', 8' WIDE)</b>											
EOP WIDTH (FT)	WIDTH 8' BACK (FT)	WIDTH (FT)									
158	116	8	121.8	12.2	0.2					6	
<b>S. LEG FEATHER OF RANEY STREET (TRAPEZOIDAL AREA W/ BASES OF 154' &amp; 120', 8' WIDE)</b>											
EOP WIDTH (FT)	WIDTH 8' BACK (FT)	WIDTH (FT)									
154	120	8	121.8	12.2	0.2					14	
<b>TOTALS:</b>				1032	21	190	236	2571	1788	1130	6702

PATCHING SCHEDULE

LANE	PARTIAL DEPTH REMOVAL	PARTIAL DEPTH PATCHING	PAVEMENT FABRIC	CLASS B PATCHES, TYPE II, 10 INCHES	CLASS B PATCHES, TYPE III, 10 INCHES	SAW CUTS	DOWEL BARS 1 1/2"	TIE BARS
EBDL	88	20	0	31.9	0	216	80	0
EBPL	16	3	0	63.8	60	747	260	42
WBDL	129	29	32	42.5	32	1095	420	0
WBPL	47	10	16	118.2	16	384	160	0
CENTERTURN LANE	28	6	0	47.8	0	396	160	0
<b>TOTALS:</b>	307	69	108	304	108	2838	1080	42

PAVEMENT MARKING SCHEDULE

STATION TO STATION	LENGTH	SHORT-TERM PAVEMENT MARKING	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	TEMPORARY PAVEMENT MARKING - LINE 4"	TEMPORARY PAVEMENT MARKING - LINE 6"	TEMPORARY PAVEMENT MARKING - LINE 12"	TEMPORARY PAVEMENT MARKING - LINE 24"	WORK ZONE PAVEMENT MARKING REMOVAL	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	RAISED REFLECTIVE PAVEMENT MARKER
69+25 TO 76+53	728	1296	62	2492	723	234	82	144	62	2492	723	234	82	54
77+44 TO 83+83	639	1470	140	1396	682	0	48	163	140	1396	682	0	48	54
<b>TOTALS:</b>	2766	203	3888	1405	234	130	307	203	3888	1405	234	130	108	

PERMANENT SURVEY MARKERS, TYPE I

STATION	DESCRIPTION	EACH
65+00	(WEST P.O.T.)	•
66+94.74	P.C.	•
70+80.6	P.I.	1
74+66.41	P.T.	1
75+35.526	P.C.	1
78+65.14	P.I.	1
81+94.68	P.T.	1
85+16.09BK=98+87.13AH	P.O.T. DISK	•
<b>TOTAL:</b>		5

\*WAS NOT INCLUDED IN THIS PAY ITEM'S QUANTITY. SHOWN ON PLANS ONLY FOR INFORMATION.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

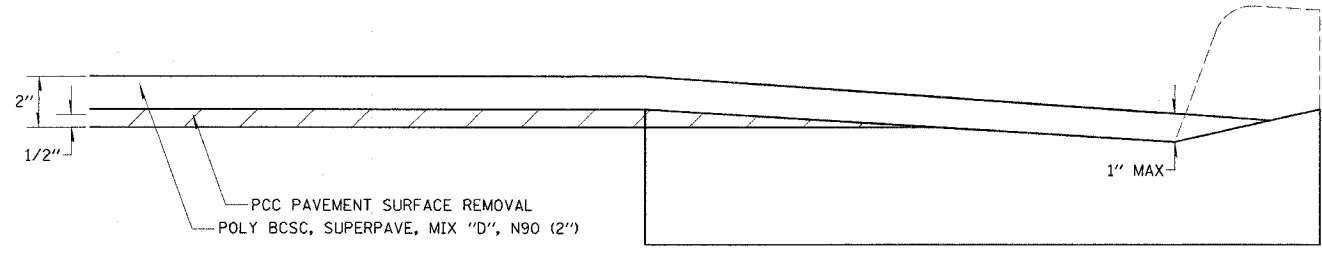
SCHEDULES

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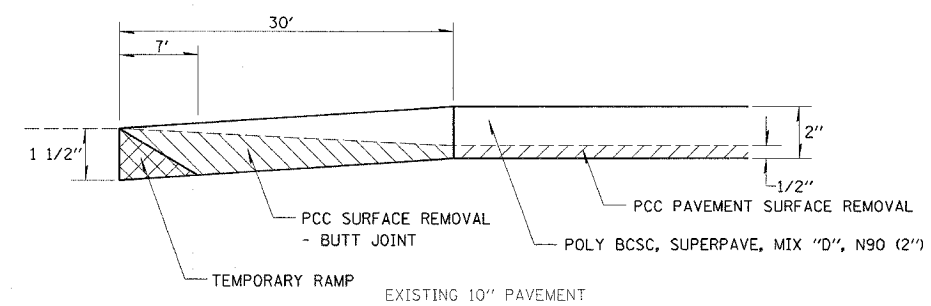
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	18RS	EFFINGHAM	13	5
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

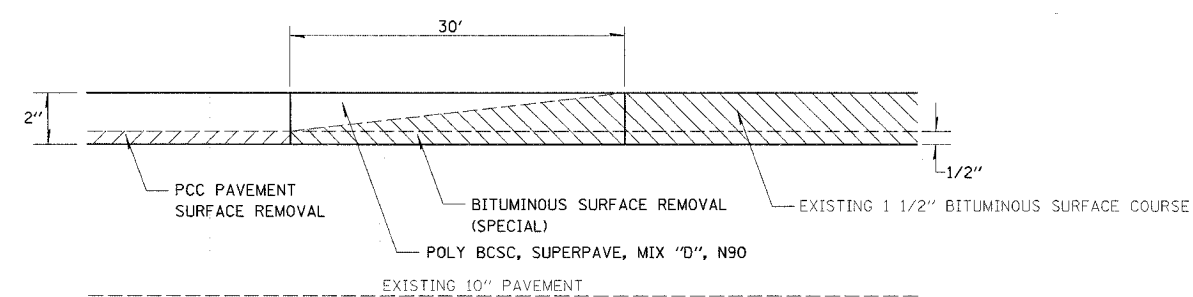
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 3/30/2006  
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**CUTTER DETAIL**  
STA 69+25 TO STA 79+47



**BUTT JOINT DETAIL**  
STA 69+25 TO STA 69+55



**MILLING TRANSITION DETAIL**  
STA 79+47 TO STA 79+77

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ILLINOIS DEPARTMENT OF TRANSPORTATION

**DETAILS**

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_

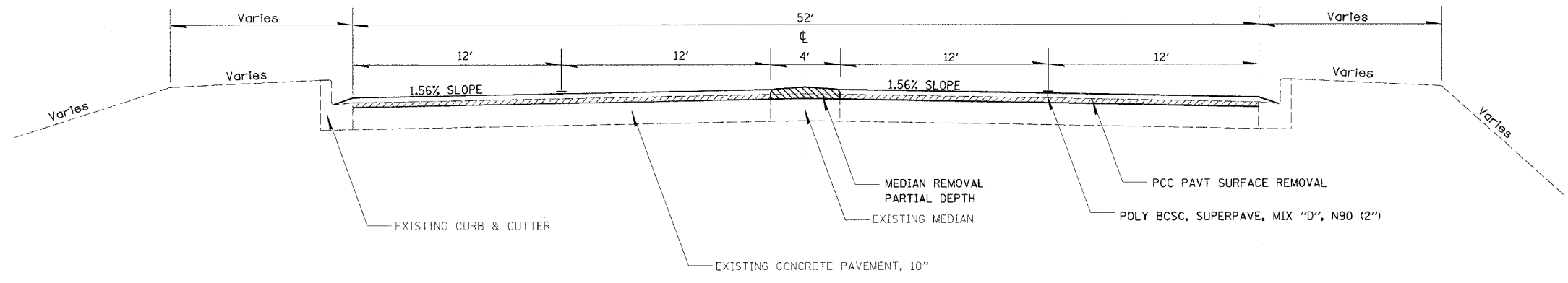
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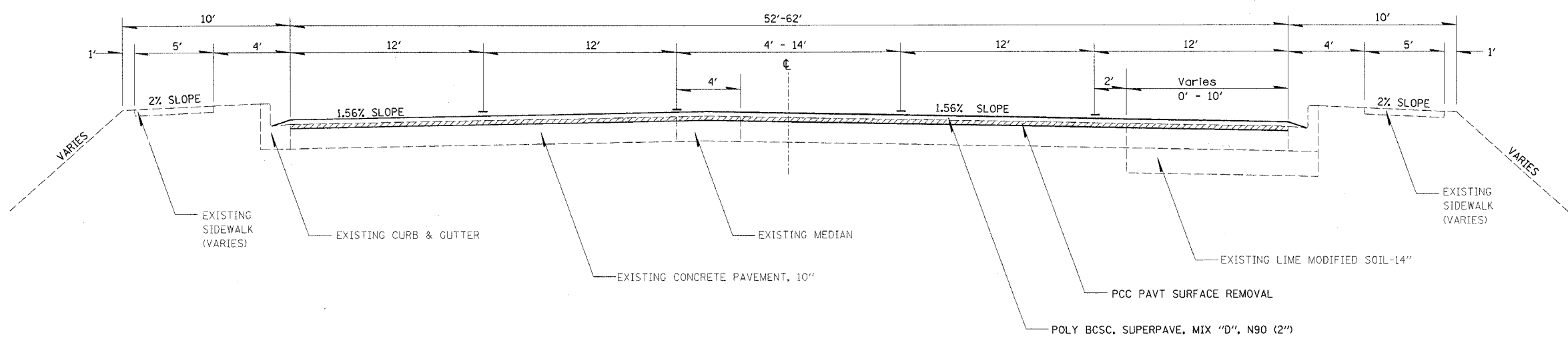
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3/30/2006  
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CONTRACT NO. 74063

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	18RS	EFFINGHAM	13	6
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



TYPICAL SECTION  
STA 69+25 TO STA 70+71



TYPICAL SECTION  
STA 70+71 TO STA 79+47

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**TYPICAL SECTIONS 1**

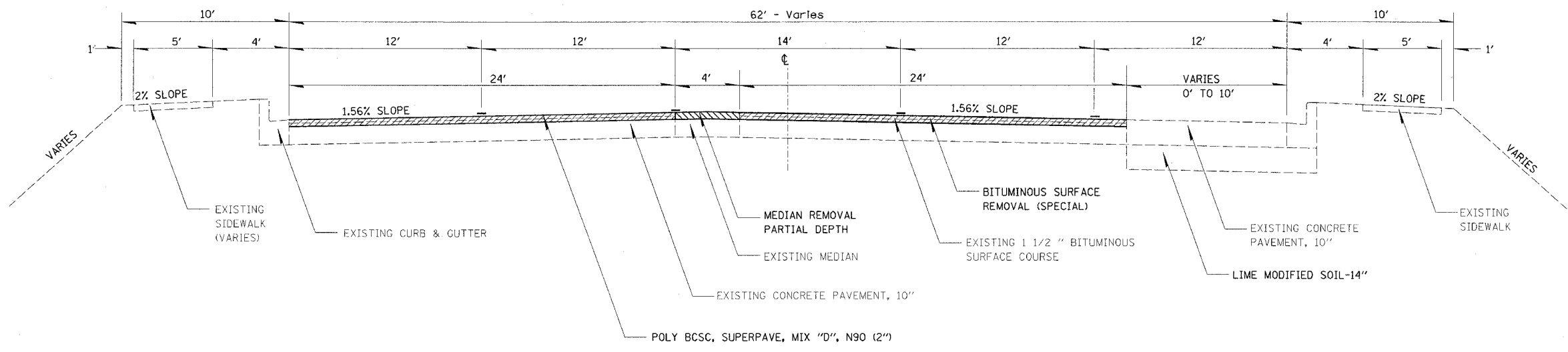
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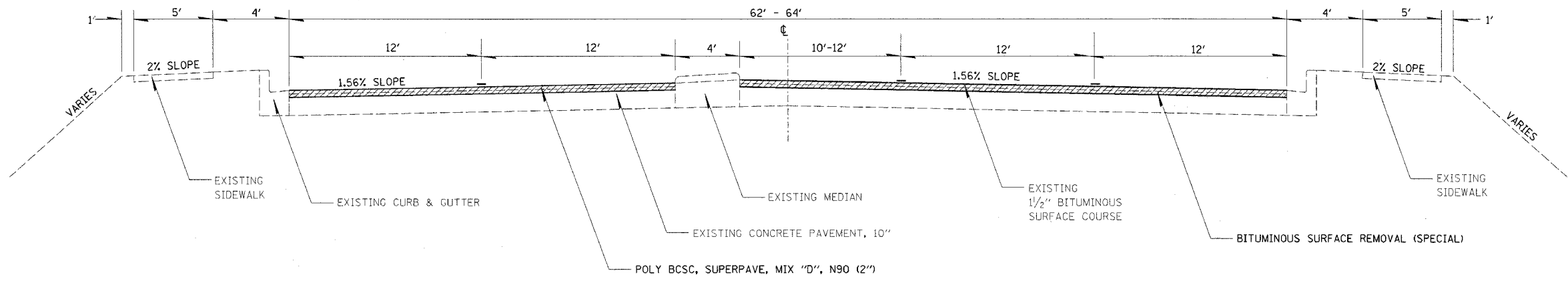
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	18RS	EFFINGHAM	13	7
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

district  
 3/30/2006  
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**TYPICAL SECTION**  
 STA 79+47 TO STA 82+78



**TYPICAL SECTION**  
 STA 82+78 TO STA 83+83

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**TYPICAL SECTIONS 2**

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_

DATE \_\_\_\_\_

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 CHECKED BY \_\_\_\_\_

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district  
3/30/2006  
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CONTRACT NO. 74063

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	18RS	EFFINGHAM	13	8
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		






PROJECT BEGINS  
STA 69+25



EXIST. CURVE FAY3  
 PI STA. = 70+80.60  
 $\Delta = 1^\circ 20' 08''$  (RT)  
 $D = 0^\circ 10' 23''$   
 $R = 33,106.43'$   
 $T = 385.85'$   
 $L = 771.67'$   
 $E = 2.25'$   
 $e = \text{---}$   
 $T.R. = \text{---}$   
 $S.E. \text{ RUN} = \text{---}$   
 $P.C. \text{ STA.} = 66+94.74$   
 $P.T. \text{ STA.} = 74+66.41$

FLAG  
POLE

68

69

-  PCC SURFACE REMOVAL - BUTT JOINT (SQ YD)
-  PCC PAVEMENT SURFACE REMOVAL (SQ YD)
-  MEDIAN REMOVAL PARTIAL DEPTH (SQ FT)

-  ONE-WAY CRYSTAL MARKER
-  TWO-WAY AMBER MARKER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKING**  
**STA 68+00 TO STA 74+00**

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_

DATE \_\_\_\_\_ DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

PLOT DATE = 3/30/2006  
 PLOT SCALE = AS SHOWN  
 USER NAME = district

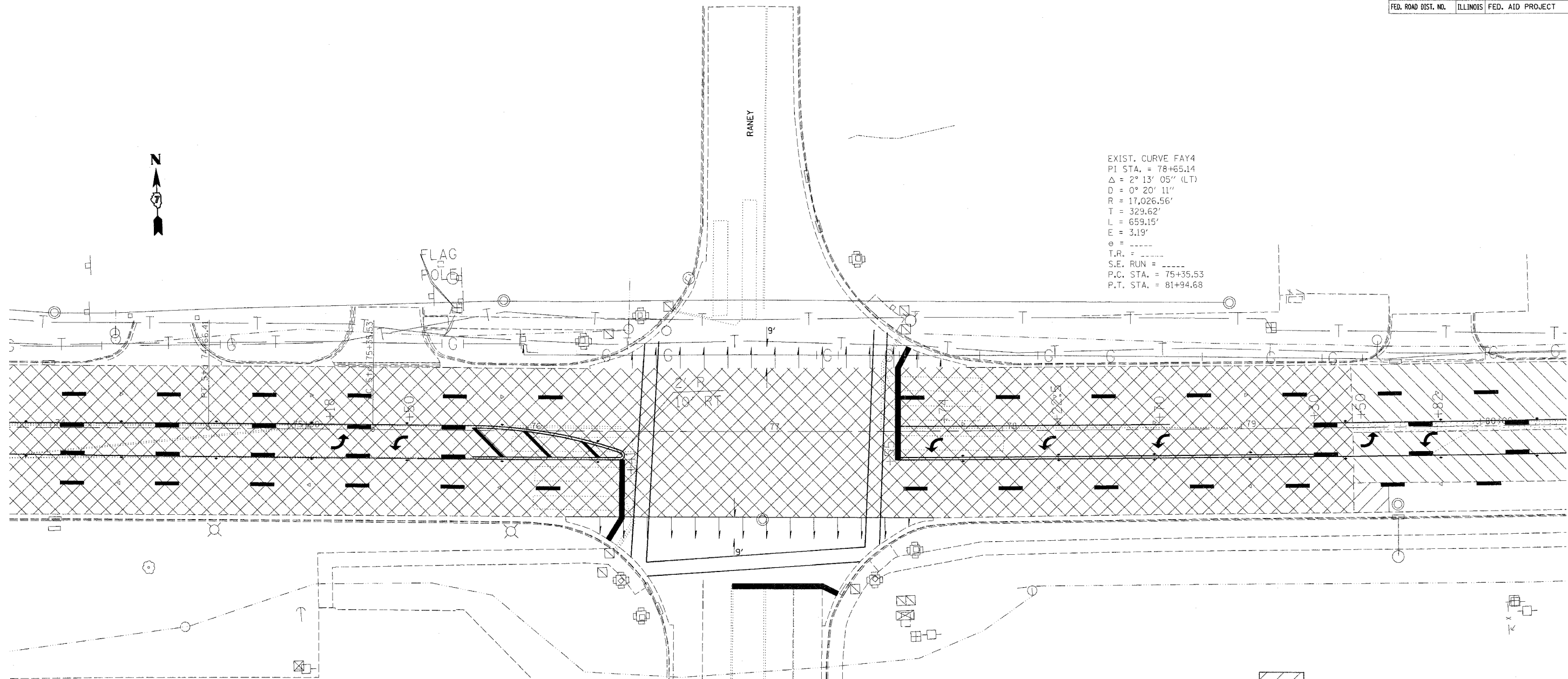


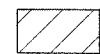

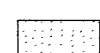
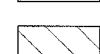
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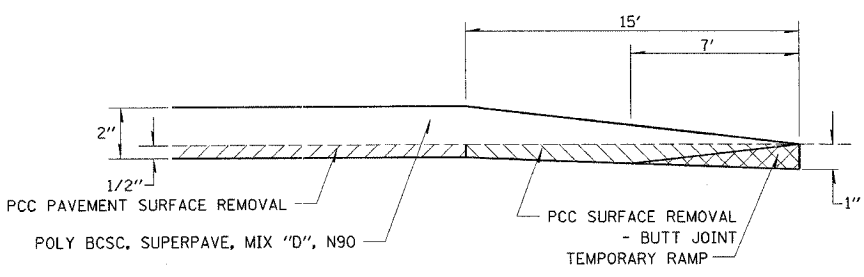
CONTRACT NO. 74063

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	18RS	EFFINGHAM	13	9
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



EXIST. CURVE FAY4  
 PI STA. = 78+65.14  
 $\Delta = 2^\circ 13' 05''$  (LT)  
 $D = 0^\circ 20' 11''$   
 $R = 17,026.56'$   
 $T = 329.62'$   
 $L = 659.15'$   
 $e = 3.19'$   
 $T.R. =$   
 $S.E. RUN =$   
 $P.C. STA. = 75+35.53$   
 $P.T. STA. = 81+94.68$



-  PCC SURFACE REMOVAL - BUTT JOINT (SQ YD)
-  PCC PAVEMENT SURFACE REMOVAL (SQ YD)
-  MEDIAN REMOVAL PARTIAL DEPTH (SQ FT)
-  BITUMINOUS SURFACE REMOVAL (SPECIAL) (SQ YD)



BUTT JOINT DETAIL  
 RT STA 79+47 TO RT STA 79+62

-  ONE-WAY CRYSTAL MARKER
-  TWO-WAY AMBER MARKER

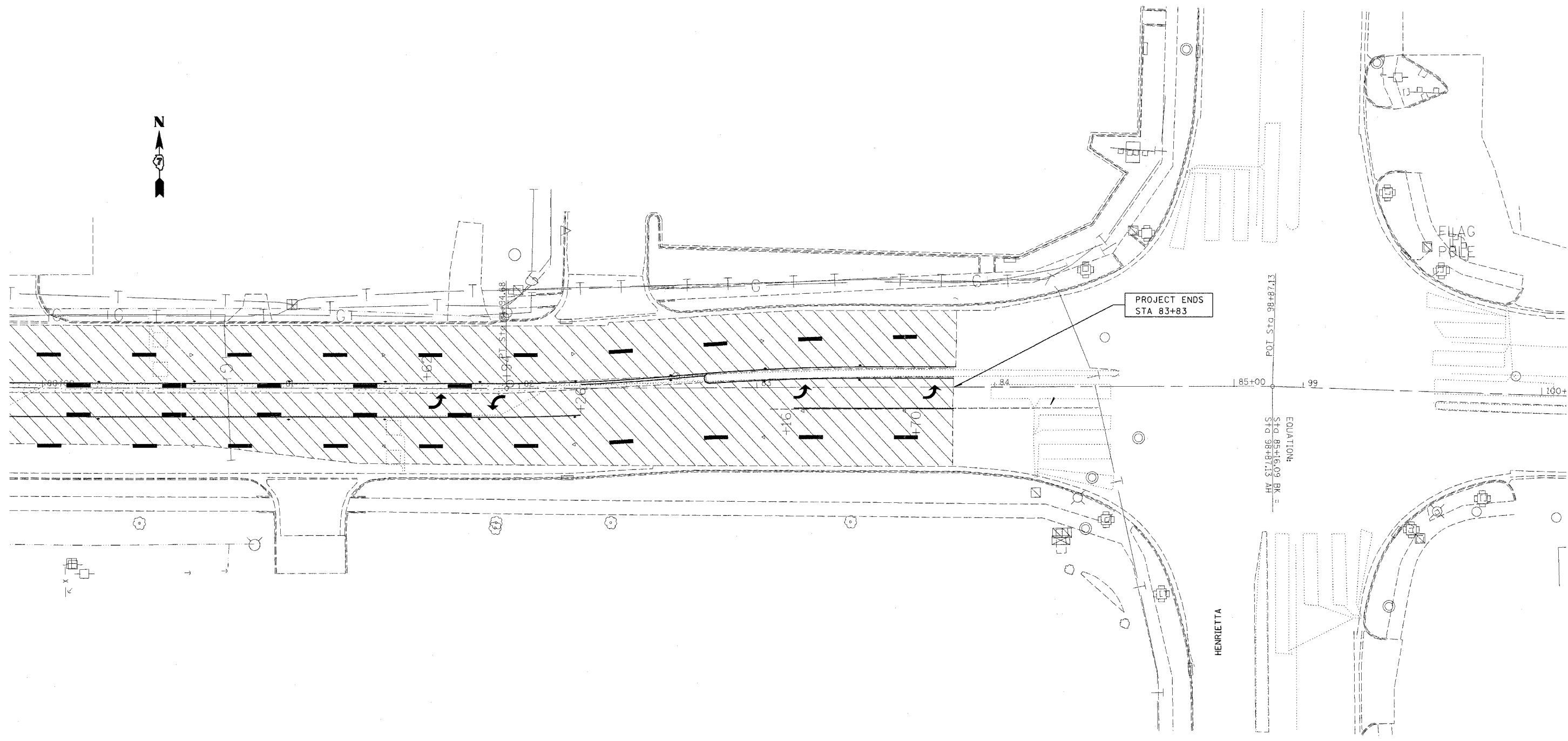
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PAVEMENT MARKING**  
**STA 74+00 TO STA 80+00**  
 SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_  
 DATE \_\_\_\_\_  
 DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

PLOT DATE = 3/30/2006  
 PLOT SCALE = AS SHOWN  
 USER NAME = district

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	18RS	EFFINGHAM	13	10
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

district  
 3/30/2006  
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- ▷ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

- MEDIAN REMOVAL PARTIAL DEPTH (SQ FT)
- BITUMINOUS SURFACE REMOVAL (SPECIAL) (SQ YD)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKING**  
**STA 80+00 TO 100+00**

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_

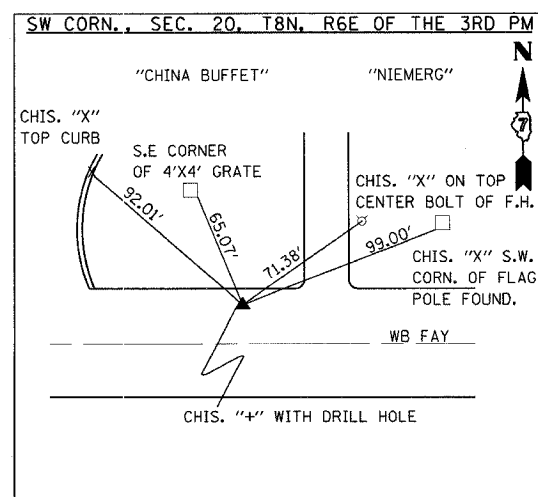
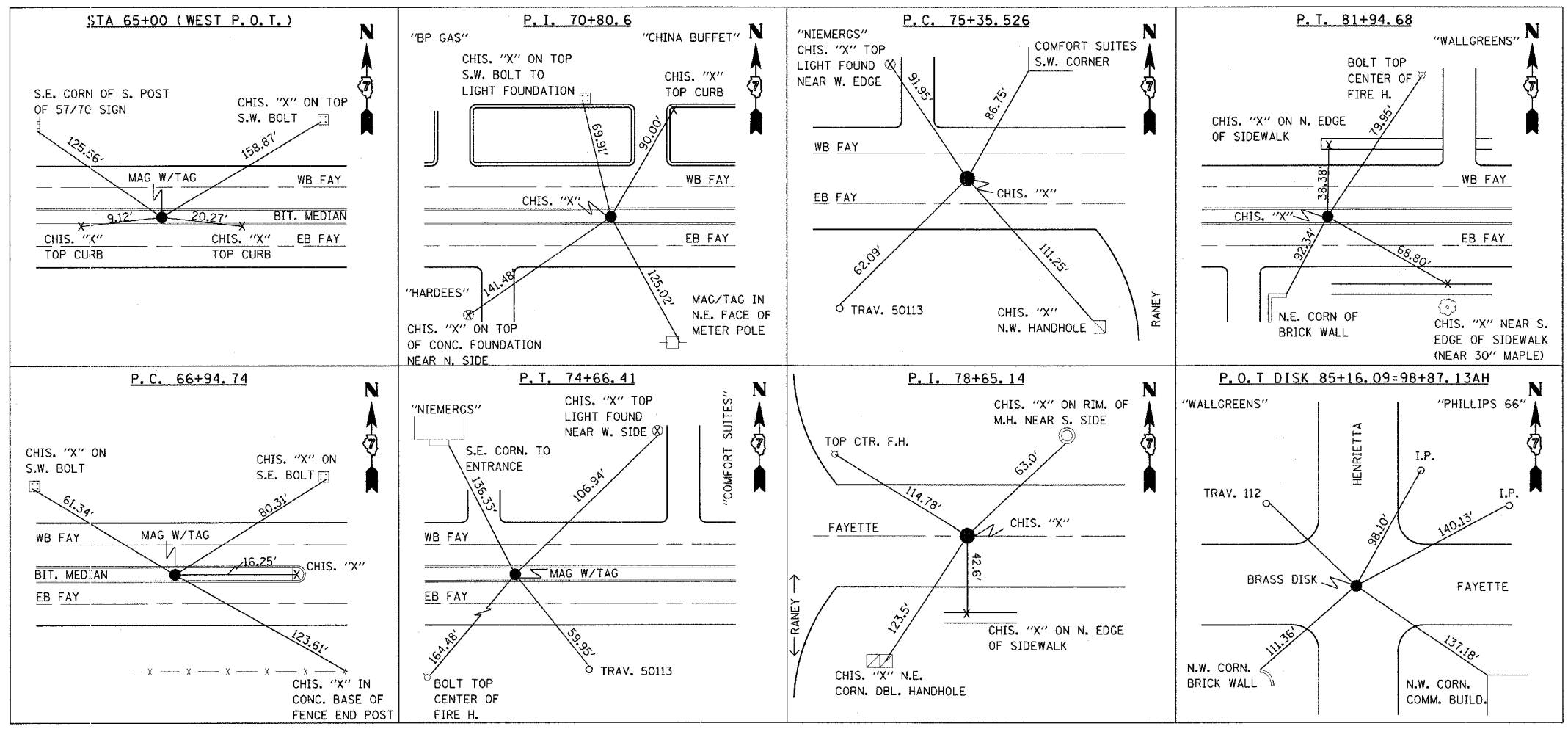
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	18RS	EFFINGHAM	13	11
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

district 3/30/2006  
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TIES

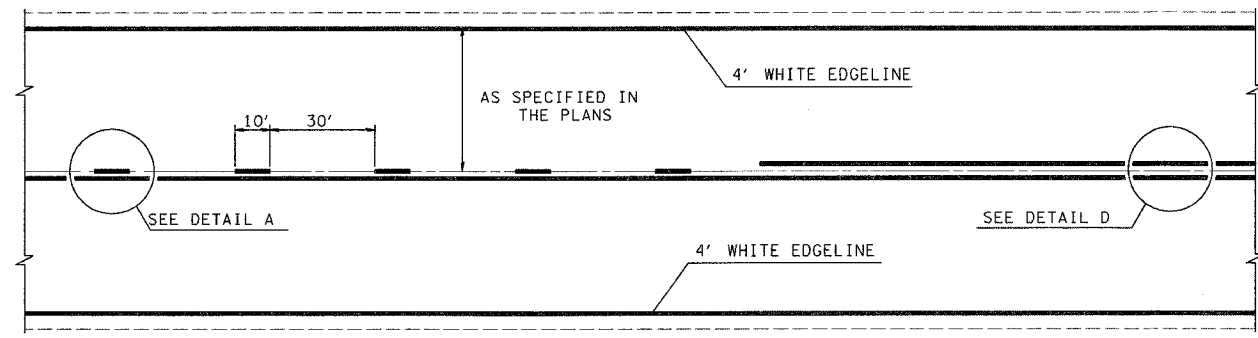
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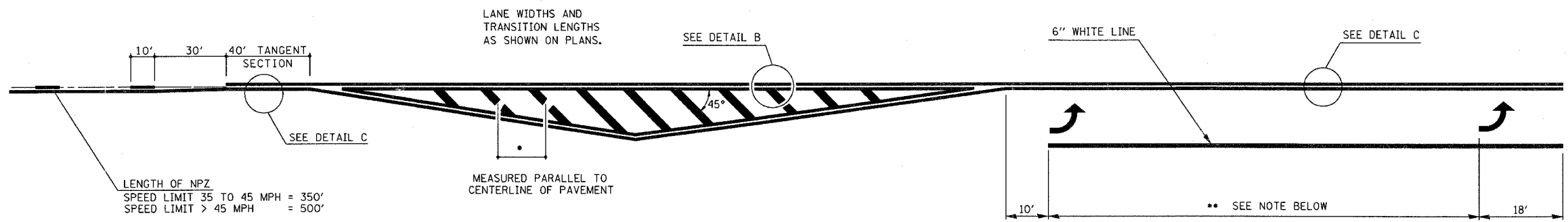
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 PLOT SCALE = #SCALE#  
 USER NAME = #district#

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	18RS	EFFINGHAM	13	12
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

district  
 3/30/2006  
 c:\projects\74063dp\d04304pa.dgn  
 EPMD



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



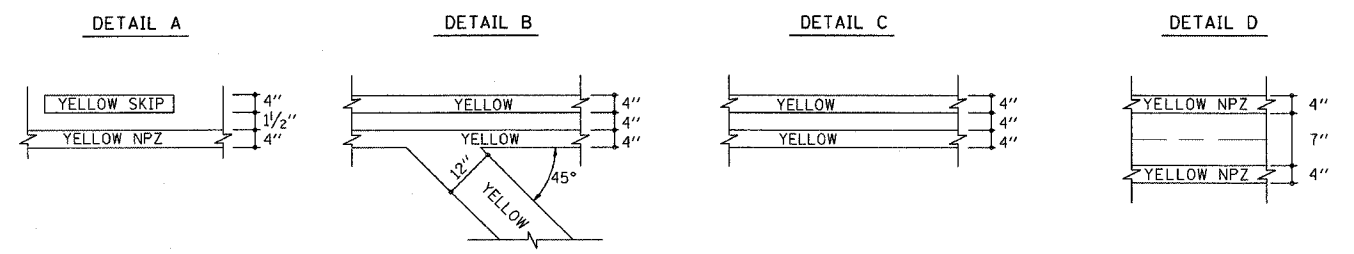
LENGTH OF NPZ  
 SPEED LIMIT 35 TO 45 MPH = 350'  
 SPEED LIMIT > 45 MPH = 500'

•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

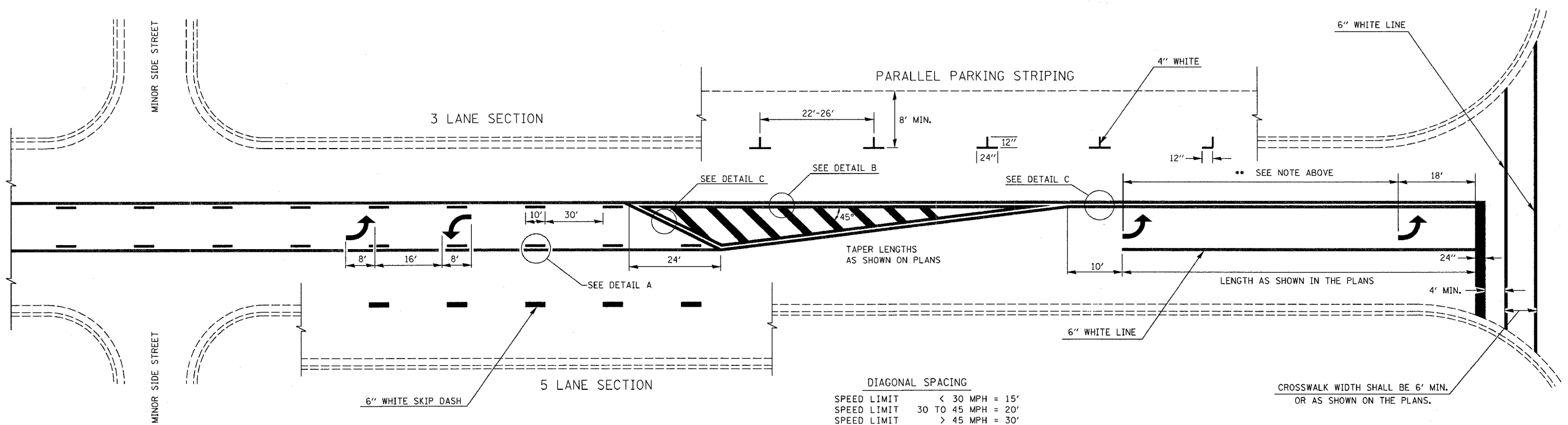
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**TYPICAL APPLICATION OF PAVEMENT MARKINGS**  
**SHEET 1 OF 2**  
 SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_  
 DATE \_\_\_\_\_ ISSUED: 05-06-96  
 DRAWN BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_

PLOT DATE = 3/30/2006  
 FILE NAME = #FILE#  
 PLOT SCALE = #SCALE#  
 USER NAME = #DISTRICT#

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	18RS	EFFINGHAM	13	13
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

district  
 3/30/2006  
 c:\projects\74063dp\04304pa.dgn  
 EPMD1

\*\* 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.



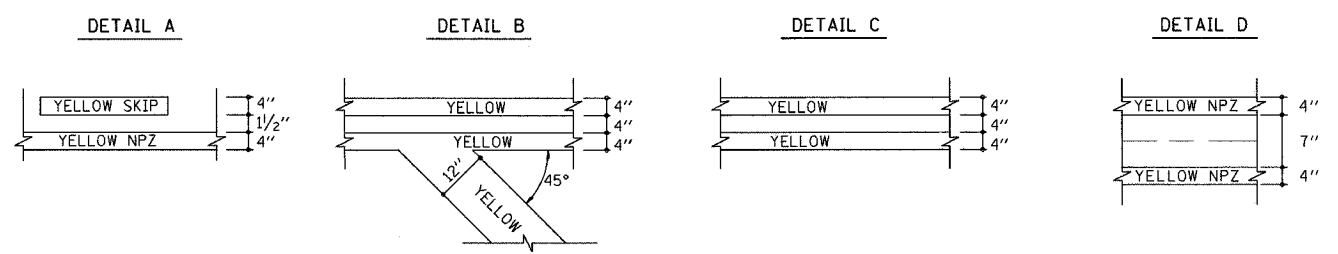
**DIAGONAL SPACING**

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



NOT TO SCALE

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

REVISIONS	
NAME	DATE
MMO	12-99
DRM	08-04

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

PLOT DATE = 3/29/2006  
 FILE NAME = #FILE#  
 PLOT NAME = #PLOT#  
 USER NAME = #USER#