

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CHAMPAIGN	21	1

• F.A.P. RTE. 836 & F.A.S. RTE. 516  
 •• D-5 CONTRACT MAINT 2005-13

INDEX OF SHEETS

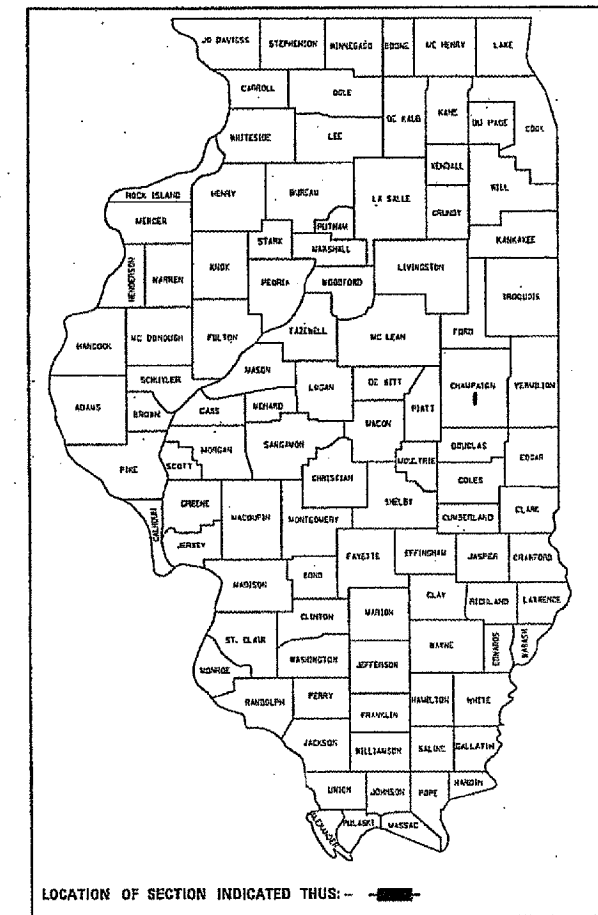
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18. DETAIL OF MAILBOX TURNOUTS
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LIST OF STANDARDS

- |           |  |
|-----------|--|
| 001006    | DECIMAL EQUIVALENTS OF AN INCH AND A FOOT      |
| 442201-01 | CLASS C AND D PATCHES                          |
| 701301-02 | "LANE CLOSURE, 2L, 2W, SHORT TIME OPER"        |
| 701311-02 | "LANE CLOSURE, 2L, 2W, MOVING OPER" "DAY ONLY" |
| 701501-03 | "URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED"        |
| 702001-05 | TRAFFIC CONTROL DEVICES                        |
| 780001-01 | TYPICAL PAVEMENT MARKINGS                      |
| 886001    | DETECTOR LOOP INSTALLATION                     |
| 886006    | TYPICAL LAYOUT FOR DETECTOR LOOP               |

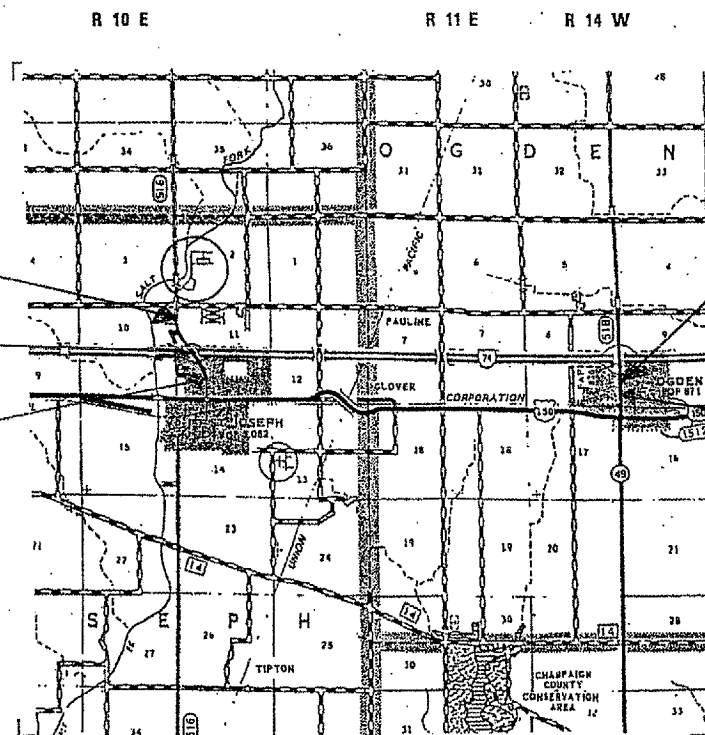
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
**PROPOSED  
 HIGHWAY PLANS**

F.A.P. RTE. 836 & F.A.S. RTE. 516  
 SECTION D-5 CONTRACT MAINT 2005-13  
 PATCHING AND INLAY  
 CHAMPAIGN COUNTY  
 C-95-017-05



PROJECT ENGINEER: JIM BRANDENBURG

DESIGN SQUAD LEADER: MATT YOUNG



LOCATION #2  
 SECTION D-5 CONTRACT MAINT 2005-13  
 BEGINS STATION 29+32.00

BRIDGE OMISSION, S.N. 010-0089  
 STATION 48+80.50 TO STATION 51+19.50

LOCATION #2  
 SECTION D-5 CONTRACT MAINT 2005-13  
 ENDS STATION 66+32.00

LOCATION #1  
 SECTION D-5 CONTRACT MAINT 2005-13  
 BEGINS STATION 326+54.00

LOCATION #1  
 SECTION D-5 CONTRACT MAINT 2005-13  
 ENDS STATION 338+99.00

FUNCTIONAL CLASS: OTHER PRINCIPAL ARTERIAL  
 ADT: 6800 (2003)  
 ADTT: 8% (2003)  
 DHV: 550 (2003)

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

CONTRACT NO. 70470

SCALE: 1" = 2 MILES  
**LOCATION MAP**

GROSS LENGTH OF PROJECT = 4945 FT. = 0.937 MILES  
 NET LENGTH OF PROJECT = 4706 FT. = 0.891 MILES

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

SUBMITTED 3/21 2005

*Joseph E. Lewis*  
 DEPUTY DIRECTOR OF HIGHWAYS, REGION THREE ENGINEER

May 13, 2005  
*Mike Hare*  
 ENGINEER OF DESIGN AND ENVIRONMENT

May 13, 2005  
*Victor Moders*  
 DIRECTOR OF HIGHWAYS/CHIEF ENGINEER

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 OF THE STATE OF ILLINOIS**

# GENERAL NOTES

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CHAMPAIGN	21	2

CONTRACT NO. 70470

\* F.A.P. RTE. 836 & F.A.S. RTE. 516  
 \*\* D-5 CONTRACT MAINT 2005-13

## G. N. -100

ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

## G. N. -406

THE QUANTITIES INCLUDED IN THE PLANS FOR BITUMINOUS CONCRETE RESURFACING ARE INTENDED TO GIVE THE COVERAGE SHOWN ON THE TYPICAL CROSS SECTIONS. IT IS NOT INTENDED TO INCREASE THE THICKNESS OF THE BITUMINOUS MIXTURE IN ORDER TO USE ALL OF THE QUANTITIES INCLUDED IN THE CONTRACT.

## G. N. -406H

### MIXTURE REQUIREMENTS

The following mixture requirements are applicable for this project:

#### Location(s):

Mixture Use(s):	Surface	Incidental	Class D
AC/PG:	PG 64-22	PG 64-22	PG 64-22
RAP %: (Max)**	15%	15%	25%
Design Air Voids:	4.0% @ Ndes=50	4.0% @ Ndes=50	4.0% @ Ndes=50
Mixture Composition: (Gradation Mixture)	IL 9.5	IL 9.5	IL 19.0

## G. N. -442B

### PATCHING SCHEDULES

THE PATCHING SCHEDULES INCLUDED IN THE PLANS REPRESENT THE BEST INFORMATION AVAILABLE AT THE TIME OF COMPLETION OF THE PLANS FOR LETTING. VARIATIONS IN LOCATION AND SIZES OF BOTH FULL-DEPTH AND PARTIAL-DEPTH PATCHES MAY OCCUR.

## G. N. -703A

SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE PAVEMENT AFTER ANY OF THE FOLLOWING: COLD MILLING AND/OR PLACING BITUMINOUS MATERIALS (PRIME COAT), LEVELING BINDER (MACHINE METHOD), BINDER AND SURFACE COURSES. SHORT TERM PAVEMENT MARKING PLACED ON THE SURFACE, SHALL COINCIDE WITH THE FINAL PAVEMENT STRIPING. SHORT TERM PAVEMENT MARKING PLACED PRIOR TO THE SURFACE SHALL COINCIDE WITH THE EXISTING PAVEMENT MARKINGS. USE 4 FEET PER 40 FEET (OR 10% PER STATION).

## G. N. - 873

EXISTING DETECTOR LOOPS IN THE AREAS OF PROPOSED SURFACE REMOVAL SHALL BE REPLACED PER THE EXISTING SIZE AND LOCATION EXCEPT AS NOTED IN THE PLANS. EXISTING DETECTOR LOOPS SHALL BE DISCONNECTED AT THE GULFBOX JUNCTION OR HANDHOLE PRIOR TO COLD MILLING AT THAT RESPECTIVE LOCATION. NEW DETECTOR LOOPS SHALL BE CONNECTED TO THE RESPECTIVE EXISTING AMPLIFIER. IN GENERAL, ADVANCED DETECTOR LOOPS FOR DILEMMA ZONE PROTECTION LOCATED AT THE SAME STATION SHALL BE GROUPED TOGETHER ON A COMMON AMPLIFIER. PRESENCE LOOPS SHALL BE GROUPED BY LANE ON A COMMON AMPLIFIER. DETECTOR LOOPS SHALL NOT BE WIRED IN SERIES. WHERE IT IS NECESSARY TO INSTALL MORE THAN ONE LOOP LEAD-IN IN A CONDUIT, LEAD-INS SHARING THE SAME CONDUIT SHALL BE ON A COMMON AMPLIFIER.

## G. N. -1004.01

COARSE AGGREGATE GRADATION CA-10 MAY BE USED WHENEVER COARSE AGGREGATE CA-6 IS SPECIFIED IN THE STANDARD SPECIFICATIONS.

## G. N. -1004.03

REVISE ARTICLE 1004.03 (c) NOTE 5/ OF THE STANDARD SPECIFICATIONS TO READ:

' 5/ GRADATION CA-16 SHALL BE USED IN LIEU OF CA-13 WHEN THE SURFACE COURSE IS LESS THAN 1 3/4 INCHES IN THICKNESS. CA-13 OR CA-16 MAY BE USED WHEN THE SURFACE COURSE IS 1 3/4 INCHES OR MORE IN THICKNESS.'

# SUMMARY OF QUANTITIES

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CHAMPAIGN	21	3

CONTRACT NO. 70470  
 \* F.A.P. RTE. 836 & F.A.S. RTE. 516  
 \*\* D-5 CONTRACT MAINT 2005-13

LOCATION OF WORK:

LOCATION #1 - Ogden  
 FAP 836  
 STA. 326+54.00  
 TO  
 STA. 338+99.0  
 100% STATE  
 TWO-LANE RURAL  
 1000

LOCATION #2 - St. Joseph  
 FAS 516  
 STA. 29+32.00  
 TO  
 STA. 66+32.00  
 100% STATE  
 TWO-LANE RURAL  
 1000

CONSTRUCTION TYPE CODE:

CODE NO	ITEM	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	620.0	152.0	468.0
40600300	AGGREGATE (PRIME COAT)	TON	25.0	6.0	19.0
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	400.0	0.0	400.0
40600990	TEMPORARY RAMP	SQ YD	440.0	147.0	293.0
40800010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	156.5	116.5	40.0
40800030	AGGREGATE (PRIME COAT)	TON	3.0	2.0	1.0
40800040	INCIDENTAL BITUMINOUS SURFACING	TON	132.0	98.0	34.0
44000006	BITUMINOUS SURFACE REMOVAL 1 1/2	SQ YD	11,071.0	3043.0	8028.0
44000025	BITUMINOUS SURFACE REMOVAL (SPECIAL)	SQ YD	1,165.0	1165.0	0.0
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	117.8	0.0	117.8
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	63.5	63.5	0.0
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	160.0	0.0	160.0
44201803	CLASS D PATCHES, TYPE II, 13 INCH	SQ YD	40.0	0.0	40.0
48101200	AGGREGATE SHOULDERS, TYPE B"	TON	113.0	20.0	93.0
67100100	MOBILIZATION	L SUM	1.0	0.5	0.5
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1.0	0.5	0.5
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	1,426.0	249.0	1177.0
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	238.0	83.0	155.0
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4	FOOT	9,760.0	2801.0	6959.0
* 78001110	PAINT PAVEMENT MARKING - LINE 4	FOOT	6,333.0	0.0	6333.0
* 88600100	DETECTOR LOOP, TYPE I	FOOT	106.0	106.0	0.0
X4066424	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX ""D"", N50	TON	1,041.0	256.0	785.0

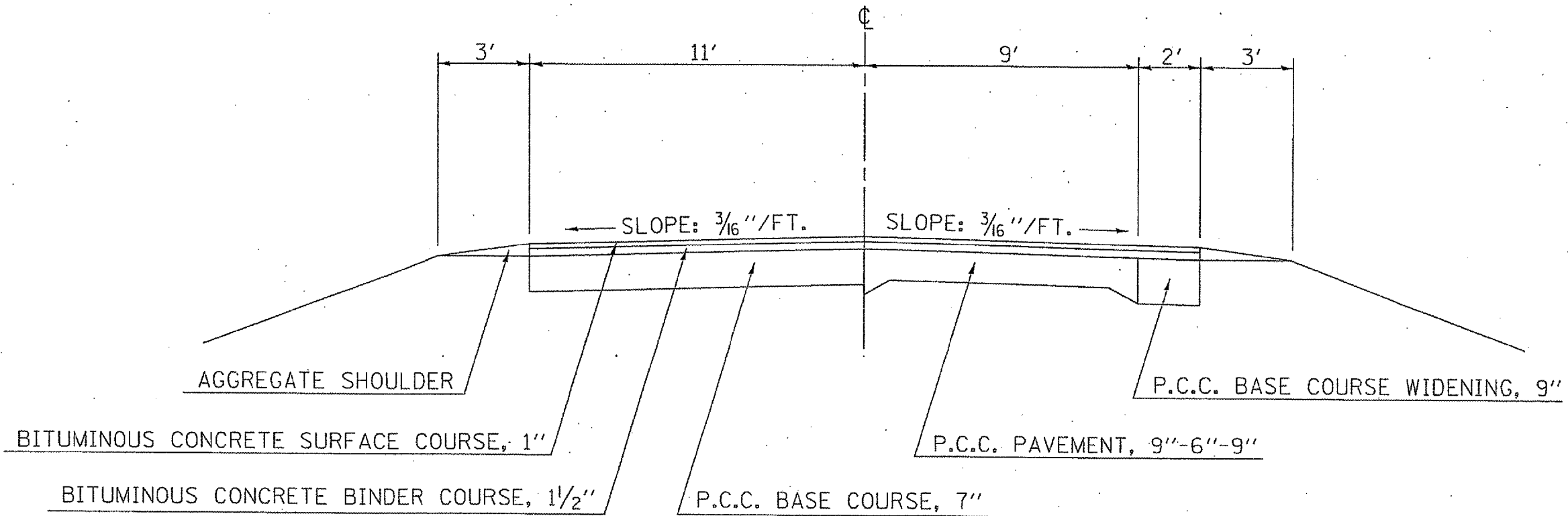
\* SPECIALTY ITEMS

# EXISTING TYPICAL CROSS SECTION

LOCATION #1 - ODGEN  
 STA. 326+54.00 TO STA. 338+99.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CHAMPAIGN	21	4

CONTRACT NO. 70470  
 \* F.A.P. RTE. 836 & F.A.S. RTE. 516  
 \*\* D-5 CONTRACT MAINT 2005-13

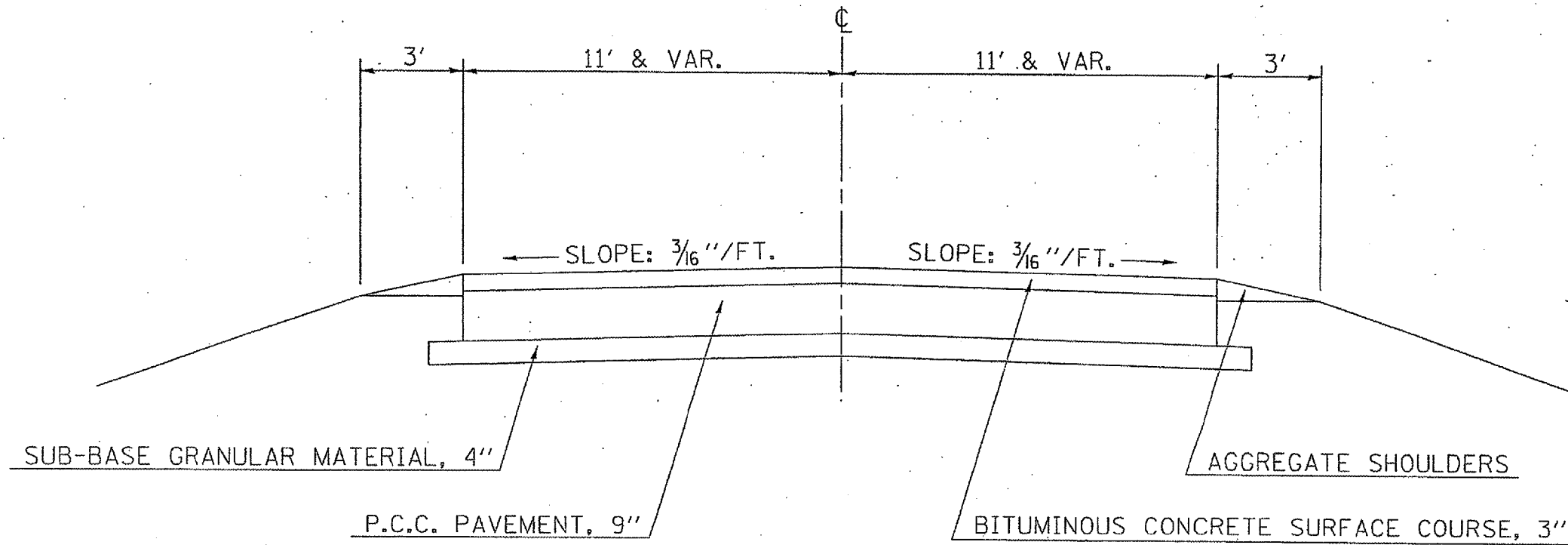


# 1 EXISTING TYPICAL CROSS SECTION

LOCATION #2 - ST. JOSEPH  
STA. 29+32.00 TO STA. 43+80.00 ②  
② STA. 56+45.00 TO STA. 62+50.00 ③

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CHAMPAIGN	21	5

CONTRACT NO. 70470  
\* F.A.P. RTE. 836 & F.A.S. RTE. 516  
\*\* D-5 CONTRACT MAINT 2005-13

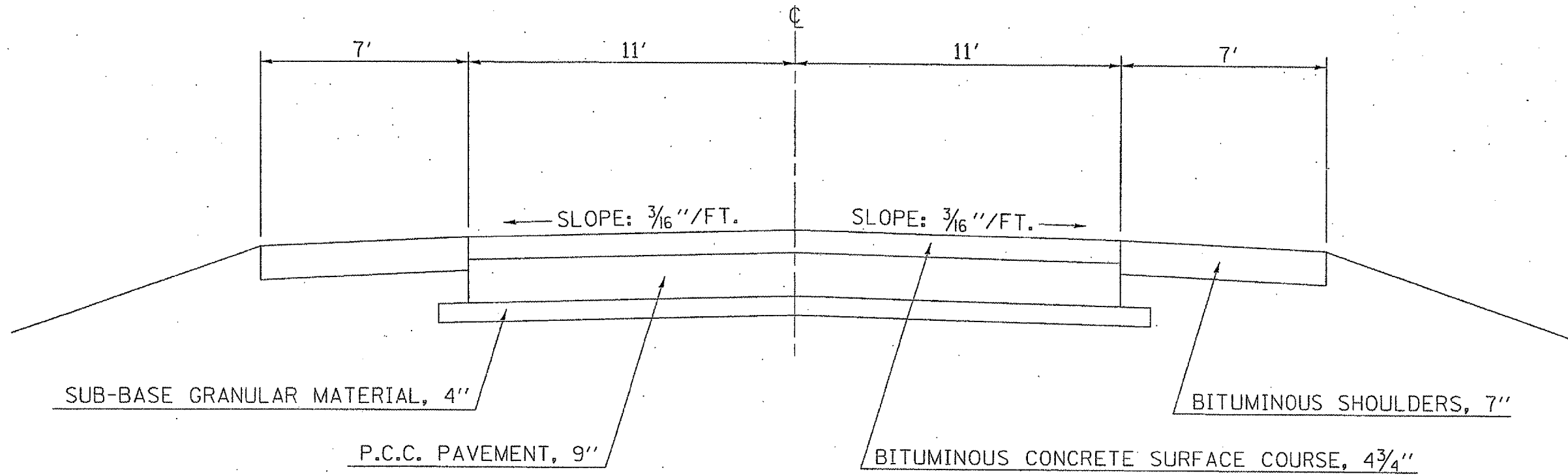


## ② EXISTING TYPICAL CROSS SECTION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CHAMPAIGN	21	6

CONTRACT NO. 70470  
 • F.A.P. RTE. 836 & F.A.S. RTE. 516  
 \*\* D-5 CONTRACT MAINT 2005-13

LOCATION #2 - ST. JOSEPH  
 ① STA. 43+80.00 TO STA. 48+80.50 (BRIDGE OMISSION)  
 (BRIDGE OMISSION) STA. 51+19.50 TO STA. 56+45.00 ①  
 BRIDGE OMISSION: STA. 48+80.50 TO STA. 51+19.50

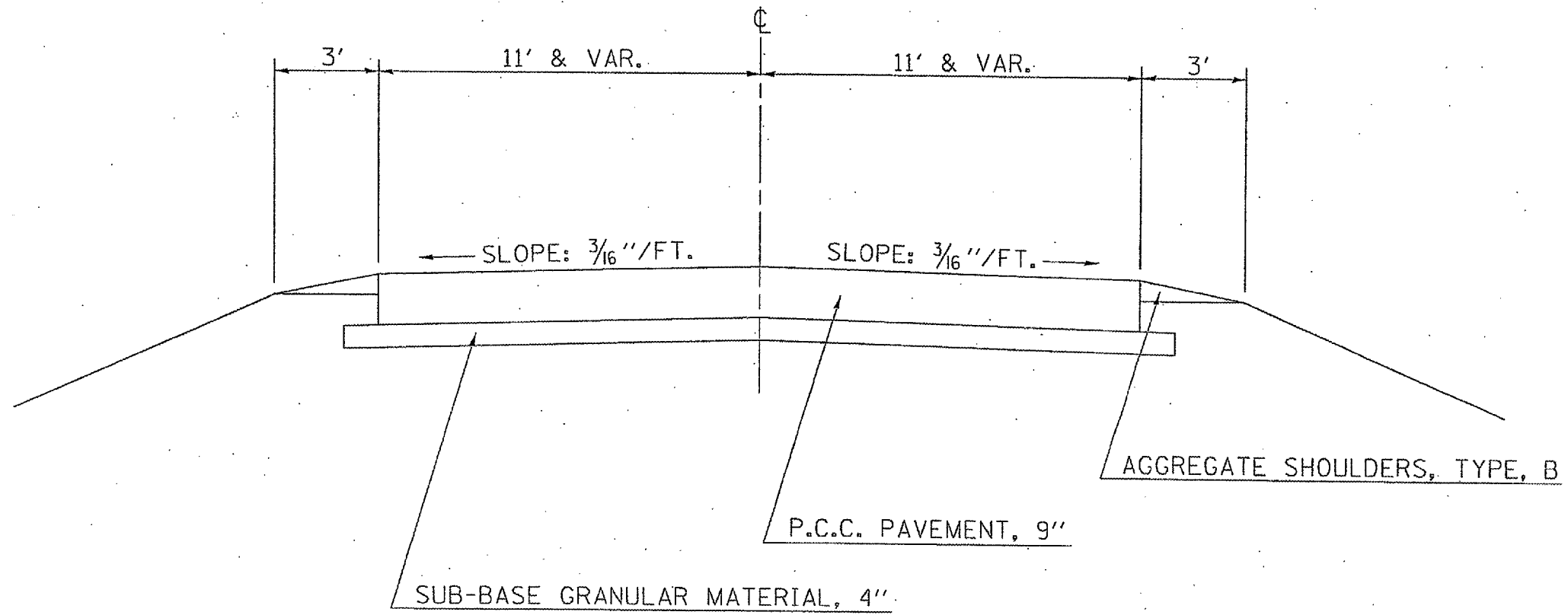


# 3 EXISTING TYPICAL CROSS SECTION

LOCATION #2 - ST. JOSEPH  
① STA. 62+50.00 TO STA. 66+32.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.	..	CHAMPAIGN	21	7

CONTRACT NO. 70470  
\* F.A.P. RTE. 836 & F.A.S. RTE. 516  
\*\* D-5 CONTRACT MAINT 2005-13

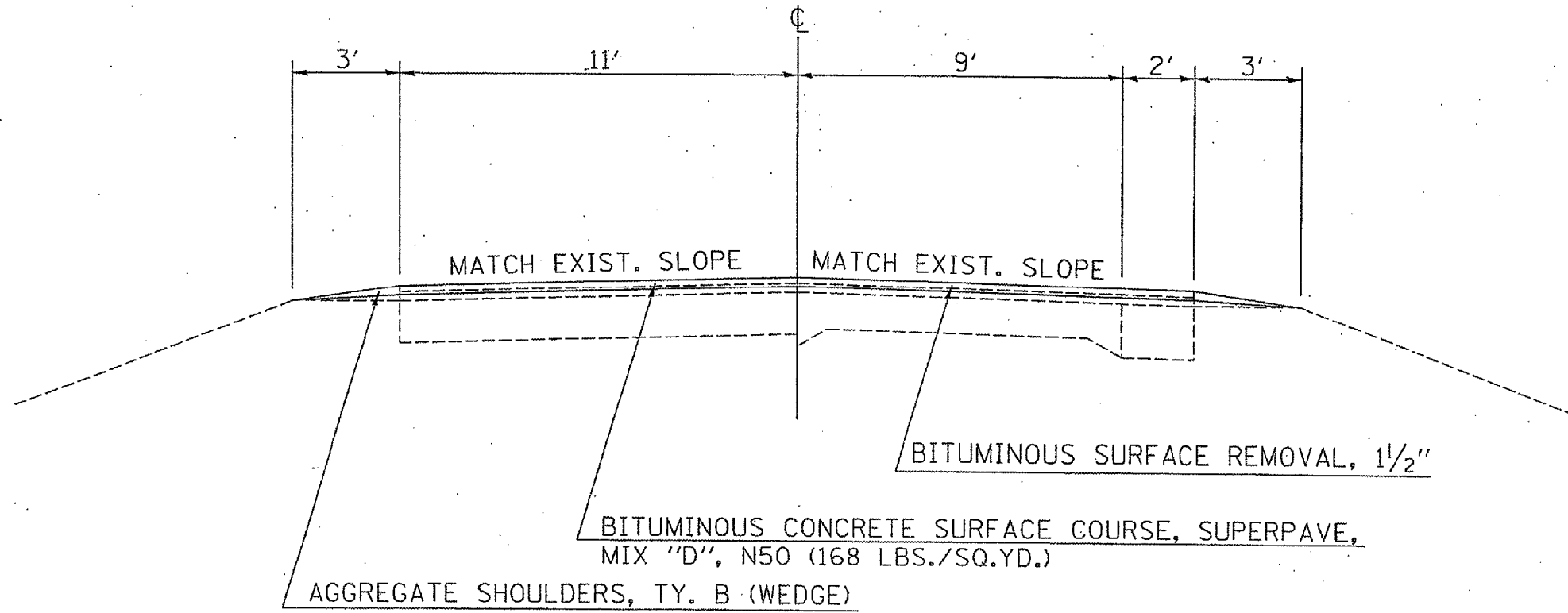


# PROPOSED TYPICAL CROSS SECTION

LOCATION #1 - ODGEN  
STA. 326+54.00 TO STA. 338+99.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CHAMPAIGN	21	8

CONTRACT NO. 70470  
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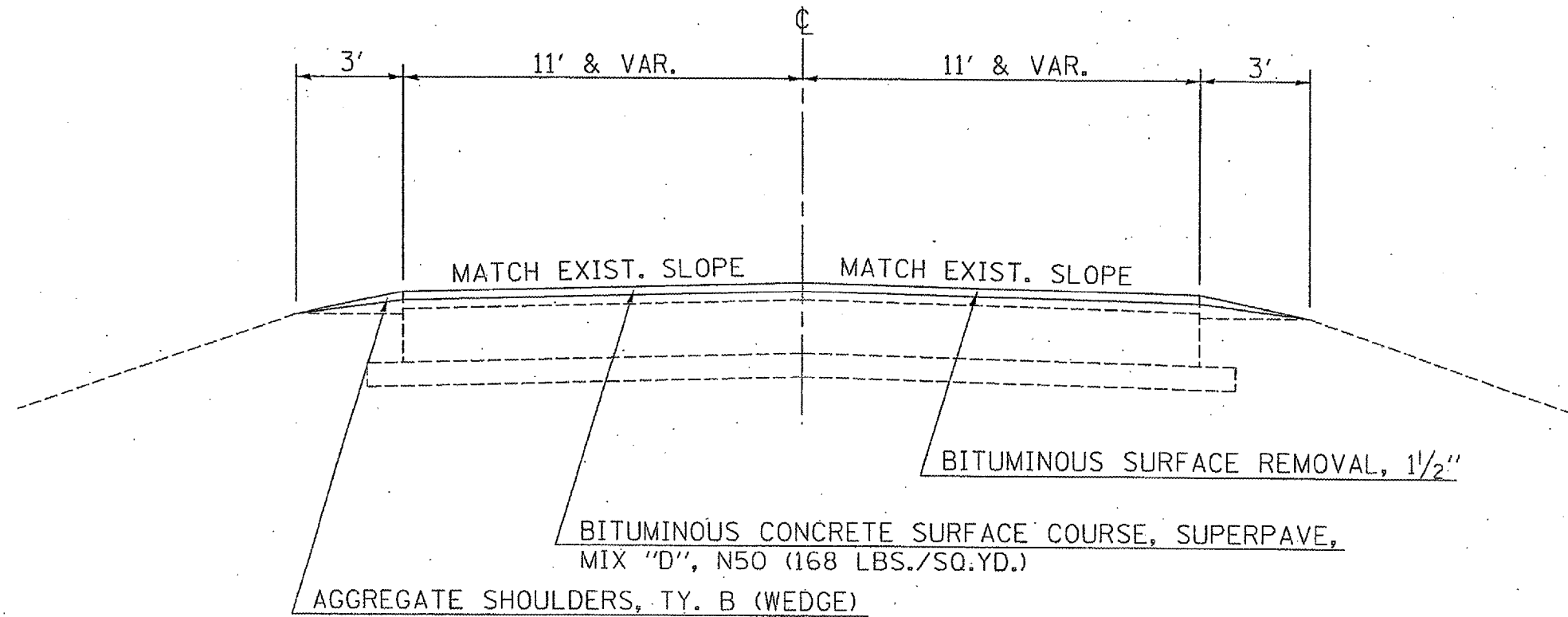


# 1 PROPOSED TYPICAL CROSS SECTION

LOCATION #2 - ST. JOSEPH  
STA. 29+32.00 TO STA. 43+80.00 ②  
② STA. 56+45.00 TO STA. 62+50.00 ③

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CHAMPAIGN	21	9

CONTRACT NO. 70470  
• F.A.P. RTE. 836 & F.A.S. RTE. 516  
•• D-5 CONTRACT MAINT 2005-13

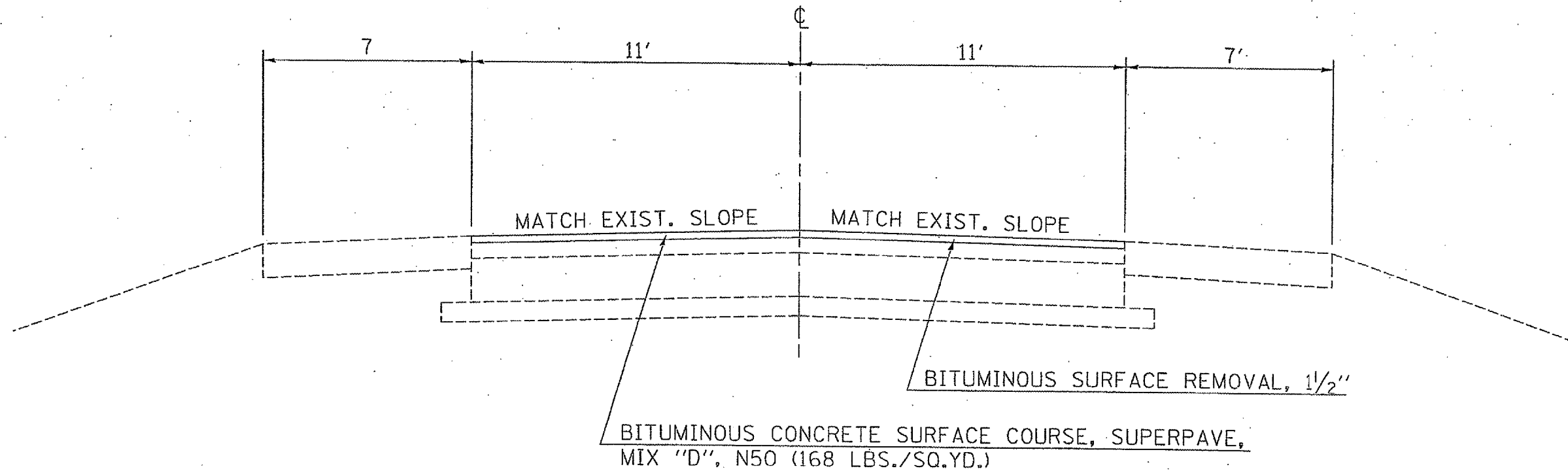


# ② PROPOSED TYPICAL CROSS SECTION

LOCATION #2 - ST. JOSEPH  
 ① STA. 43+80.00 TO STA. 48+80.50 (BRIDGE OMISSION)  
 (BRIDGE OMISSION) STA. 51+19.50 TO STA. 56+45.00 ①  
 BRIDGE OMISSION: STA. 48+80.50 TO STA. 51+19.50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.	**	CHAMPAIGN	21	10

CONTRACT NO. 70470  
 • F.A.P. RTE. 836 & F.A.S. RTE. 516  
 •• D-5 CONTRACT MAINT. 2005-13

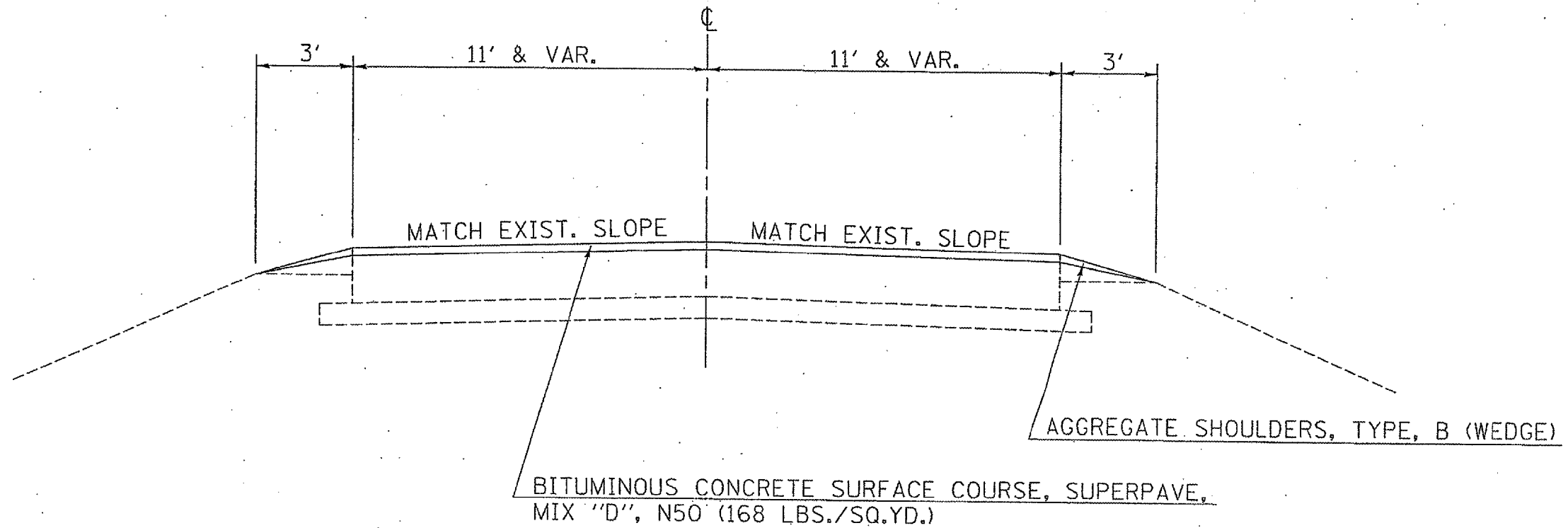


# 3 PROPOSED TYPICAL CROSS SECTION

LOCATION #2 - ST. JOSEPH  
① STA. 62+50.00 TO STA. 66+32.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CHAMPAIGN	21	11

CONTRACT NO. 70470  
• F.A.P. RTE. 836 & F.A.S. RTE. 516  
•• D-5 CONTRACT MAINT 2005-13



# SCHEDULE OF QUANTITIES

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CHAMPAIGN	21	12

CONTRACT NO. 70470  
 \* F.A.P. RTE. 836 & F.A.S. RTE. 516  
 \*\* D-5 CONTRACT MAINT 2005-13

## DETECTOR LOOP, TYPE 1 - 88600100 OGDEN (LOCATION #1)

<u>STATION</u>	<u>LANE</u>	<u>FEET</u>
330+00.00	RT	26.5
330+90.00	RT	26.5
331+75.00	LT	26.5
332+65.00	LT	26.5
TOTAL		106.0

## FULL DEPTH PATCHING - OGDEN (LOCATION #1)

<u>STATION</u>	<u>LANE</u>	<u>LENGTH</u> (ft)	<u>WIDTH</u> (ft)	CL. D TYPE II, 10" 44201765 (sq. yd)
326+73	NB	6	11	7.3
326+99	NB	6	11	7.3
329+32	NB	6	11	7.3
336+53	NB	8	11	9.8
337+68	NB	6	11	7.3
NB TOTAL				39.1 (sq. yd.)
329+32	SB	6	11	7.3
332+22	SB	8	11	9.8
337+68	SB	6	11	7.3
SB TOTAL				24.4 (sq. yd.)
OGDEN TOTAL				63.5 (sq. yd.)

# SCHEDULE OF QUANTITIES

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CHAMPAIGN	21	13

CONTRACT NO. 70470  
 • F.A.P. RTE. 836 & F.A.S. RTE. 516.  
 \*\* D-5 CONTRACT MAINT 2005-13

## FULL DEPTH PATCHING - ST. JOSEPH (LOCATION #2)

## FULL DEPTH PATCHING - ST. JOSEPH (LOCATION #2) (Cont'd)

STATION	LANE	LENGTH (ft)	WIDTH (ft)	CL. D TYPE II, 9" 44201765 (sq. yd)
62+67	NB	6	12	8.0
63+20	NB	6	12	8.0
64+57	NB	6	12	8.0
64+93	NB	6	12	8.0
65+66	NB	6	12	8.0
66+05	NB	6	12	8.0
NB TOTAL				48.0 (sq. yd.)
62+61	SB	6	12	8.0
64+03	SB	6	12	8.0
66+05	SB	6	12	8.0
SB TOTAL				24.0 (sq. yd.)
62+67	MID	6	12	8.0
64+57	MID	6	10.5	7.0
64+93	MID	6	10.5	7.0
65+49	MID	6	12	8.0
65+66	MID	8	11	9.8
66+05	MID	6	9	6.0
MIDDLE TOTAL				45.8 (sq. yd.)
CL. D TY II, 9" TOTAL				117.8 (sq. yd.)

STATION	LANE	LENGTH (ft)	WIDTH (ft)	CL. D TYPE II, 12" 44201765 (sq. yd)
29+07	NB	6	12	8.0
30+00	NB	6	12	8.0
31+03	NB	6	12	8.0
32+00	NB	6	12	8.0
33+00	NB	6	12	8.0
36+99	NB	6	12	8.0
58+62	NB	6	12	8.0
62+16	NB	6	12	8.0
NB TOTAL				64.0 (sq. yd.)
29+07	SB	6	12	8.0
30+00	SB	6	12	8.0
31+03	SB	6	12	8.0
32+00	SB	6	12	8.0
33+00	SB	6	12	8.0
36+99	SB	6	12	8.0
40+26	SB	12	6	8.0
58+62	SB	6	12	8.0
60+38	SB	6	12	8.0
61+35	SB	6	12	8.0
61+84	SB	6	12	8.0
62+16	SB	6	12	8.0
SB TOTAL				56.0 (sq. yd.)
CL. D TY II, 12" TOTAL				160.0 (sq. yd.)

# SCHEDULE OF QUANTITIES

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CHAMPAIGN	21	14

CONTRACT NO. 70470  
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## FULL DEPTH PATCHING - ST. JOSEPH (LOCATION #2) (Cont'd)

STATION	LANE	LENGTH (ft)	WIDTH (ft)	CL. D: TYPE II, 13" 44201765 (sq. yd)
45+03	NB	6	12	8.0
56+34	NB	6	12	8.0
NB TOTAL				16.0 (sq. yd.)
45+03	SB	6	12	8.0
53+41	SB	8	12	8.0
56+34	SB	6	12	8.0
SB TOTAL				24.0 (sq. yd.)
CL. D TY II, 13" TOTAL				40.0 (sq. yd.)

# SCHEDULE OF QUANTITIES

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CHAMPAIGN	21	15

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 \*\* D-5 CONTRACT MAINT 2005-13

BITUMINOUS SURFACE REMOVAL (SPECIAL) - 44000025  
OGDEN (LOCATION #1)

<u>STATION</u>	<u>ITEM</u>	<u>AREA</u> (sq. yd)
327+50.00 RT	GAS STATION ENT.	220.0
331+29.00 LT	NORTH ST	144.0
332+20.00 RT	N. PARK ENT.	34.5
334+76.00 LT	KYLE ST	162.0
335+80.00 LT	MAILBOX	5.0
336+48.00 LT	MAILBOX	5.0
336+75.00 RT	S. PARK ENT.	30.0
337+00.00 LT	PRIV. ENT.	12.0
338+35.12 RT	MAIN ST	240.2
338+35.12 LT	MAIN ST	312.3
<u>TOTAL</u>		1165.0 (sq. yd.)

INCIDENTAL BIT SURF - 40800040  
OGDEN (LOCATION #1)

<u>STATION</u>	<u>ITEM</u>	<u>TONS</u>
327+50.00 RT	GAS STATION ENT.	18.6
331+29.00 LT	NORTH ST	12.1
332+20.00 RT	N. PARK ENT.	2.9
334+76.00 LT	KYLE ST	13.6
335+80.00 LT	MAILBOX	0.4
336+48.00 LT	MAILBOX	0.4
336+75.00 RT	S. PARK ENT.	2.5
337+00.00 LT	PRIV. ENT.	1.0
338+35.12 RT	MAIN ST	20.3
338+35.12 LT	MAIN ST	26.4
<u>OGDEN TOTAL</u>		98.0 (TONS)

ST. JOSEPH (LOCATION #2)

<u>STATION</u>	<u>ITEM</u>	<u>TONS</u>
64+02.00 T	GRAND AVE. TURN LANE	33.8
<u>ST. JOSPEH TOTAL</u>		34.0 (TONS)
<u>TOTAL</u>		132.0 (TONS)

PCC SURF REM BUTT JT - 40600985  
ST. JOSEPH (LOCATION #2)

<u>STATION</u>	<u>TO</u>	<u>STATION</u>	<u>LENGTH</u> (ft)	<u>WIDTH</u> (ft)	<u>AREA</u> (sq. yd)
62+52 LT		65+52 LT	300	12	400.0
<u>TOTAL</u>					400.0 (sq. yd.)

# SCHEDULE OF QUANTITIES

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CHAMPAIGN	21	16

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 \*\* D-5 CONTRACT MAINT 2005-13

## THERMOPLASTIC PAVEMENT MARKING LINE 4" - 78000200 OGDEN (LOCATION #1)

STATION	TO	STATION	ITEM	FEET
326+54.00		338+99.00	SKIP DASH CENTERLINE	311.3
326+54.00		338+99.00	2 EDGE LINES	2490.0
OGDEN TOTAL				2801.3

## THERMOPLASTIC PAVEMENT MARKING LINE 4" - 78000200 ST. JOSEPH (LOCATION #2)

STATION	TO	STATION	ITEM	FEET
51+19.50		66+32.00	2 EDGE LINES	3025.0
51+19.50		66+32.00	2 SOLID CENTERLINES	2115.8
58+52.00		61+25.30	NORTH PAINTED MEDIAN	1093.2
63+60.00		65+41.33	SOUTH PAINTED MEDIAN	725.2
ST. JOSEPH TOTAL				6959.2
CONTRACT TOTAL				9760.5

## PAINT PAVEMENT MARKING LINE 4" - 78001110 ST. JOSEPH (LOCATION #2)

STATION	TO	STATION	ITEM	FEET
29+32.00		48+80.50	2 EDGE LINES	3897.0
29+32.00		48+80.50	1 SOLID CENTERLINES	1948.5
29+32.00		48+80.50	1 SKIP DASH CENTERLINE	487.1
ST. JOSEPH TOTAL				6336.2
CONTRACT TOTAL				6336.2

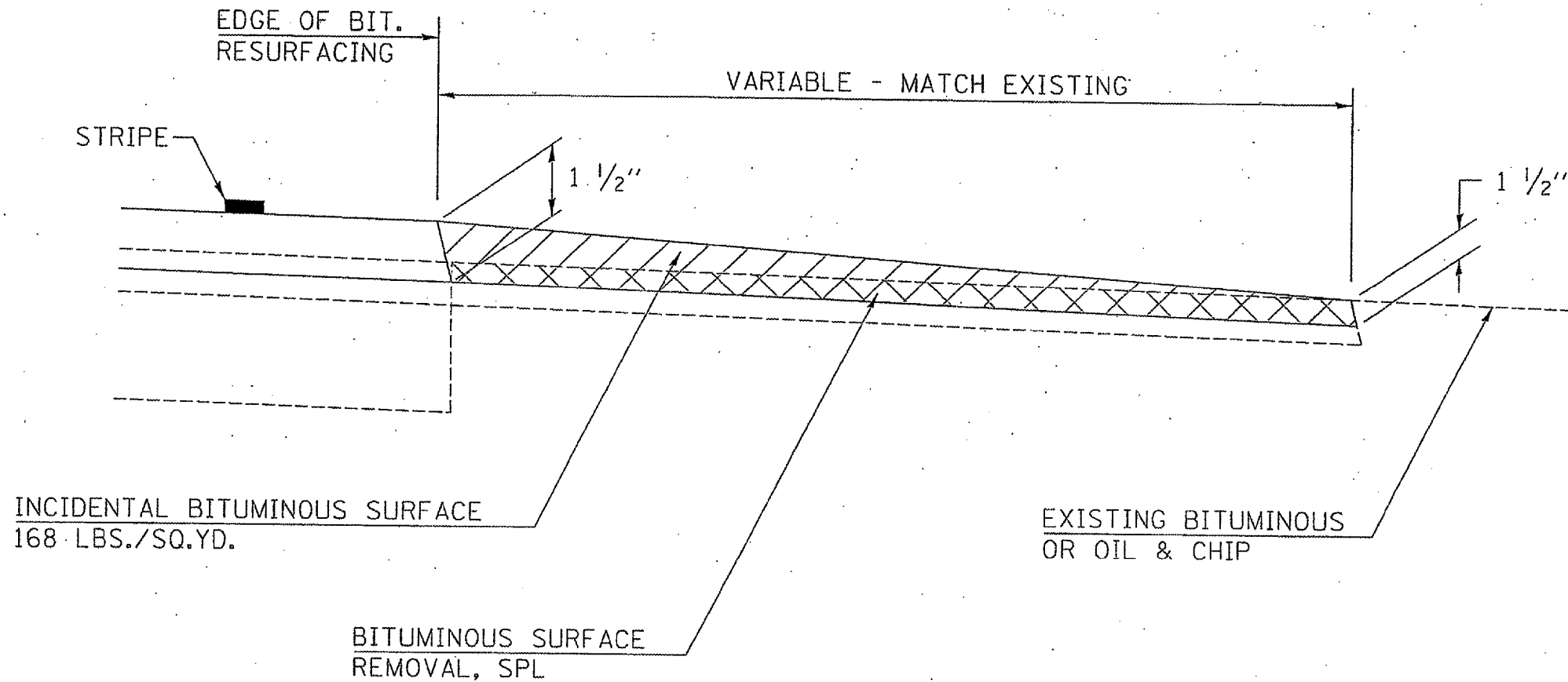


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.	..	CHAMPAIGN	21	17

# PRIVATE ENTRANCE, COMMERCIAL ENTRANCE, OR SIDEROAD

( BITUMINOUS OR OIL & CHIP )

CONTRACT NO. 70470  
 • F.A.P. RTE. 836 & F.A.S. RTE. 516  
 • D-5 CONTRACT MAINT 2005-13



NOTES: THE INCIDENTAL BITUMINOUS SURFACING IS INTENDED TO RESURFACE THE EXISTING ENTRANCES IN THEIR ENTIRETY. THE EXISTING SIDEROADS SHOULD BE RESURFACED TO MAINTAIN THEIR CURRENT RADII.

1 1/2" = PROPOSED RESURFACING THICKNESS

	NAME	DATE	REVISIONS	
DESIGNED	D.A.S.	7/98	NAME	DATE
CHECKED	D.L.P.	7/98	K.A.G.	06/03
CADD NO.	C-1.27			

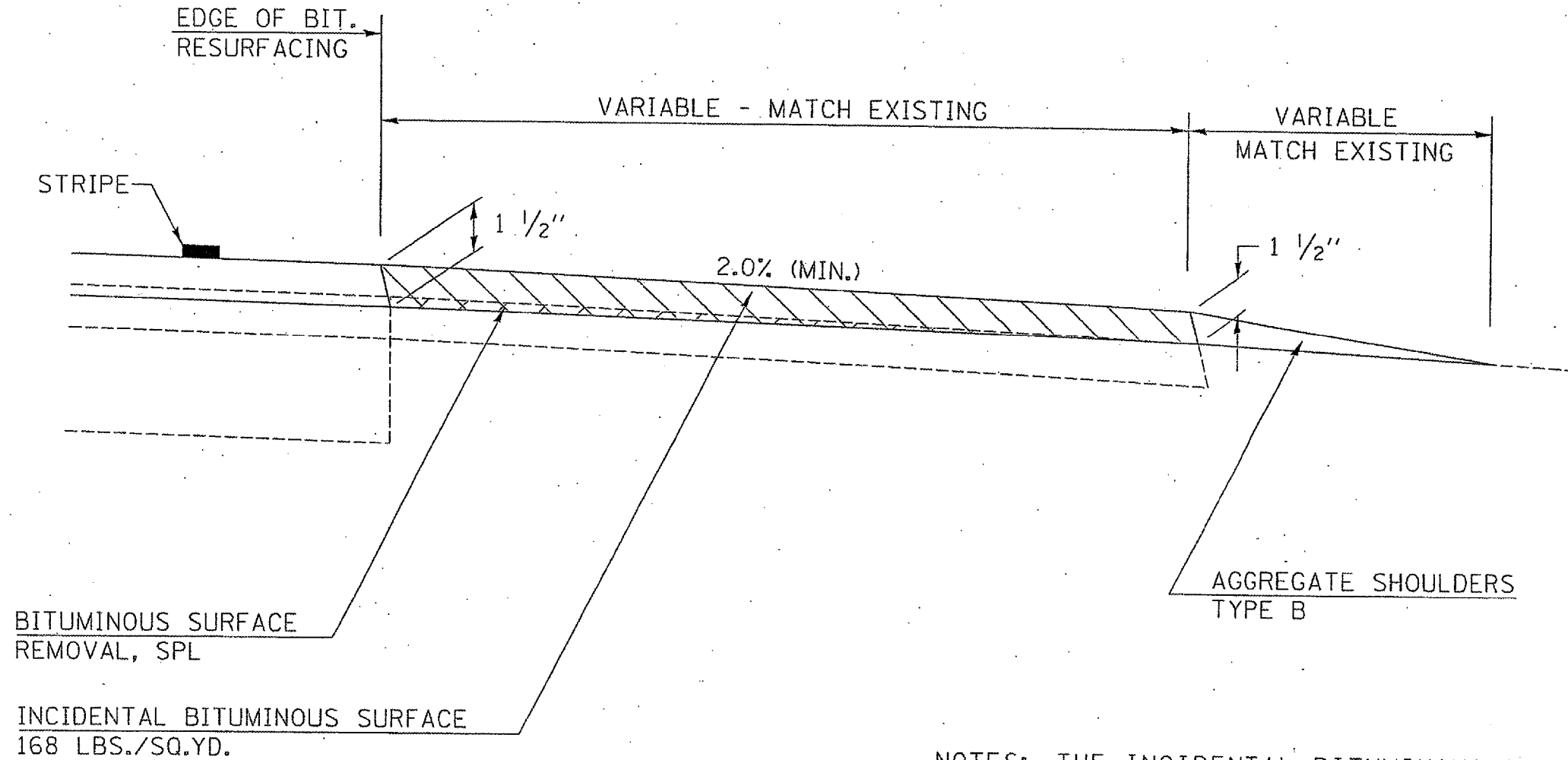
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
.	**	CHAMPAIGN	21	18

CONTRACT NO. 70470  
 \* F.A.P. RTE. 836 & F.A.S. RTE. 516  
 \*\* D-5 CONTRACT MAINT 2005-13

# MAILBOX TURNOUTS

( BITUMINOUS OR OIL & CHIP )



NOTES: THE INCIDENTAL BITUMINOUS SURFACING IS INTENDED TO RESURFACE THE EXISTING MAILBOX TURNOUTS IN THEIR ENTIRETY.  
 1 1/2" = PROPOSED RESURFACING THICKNESS

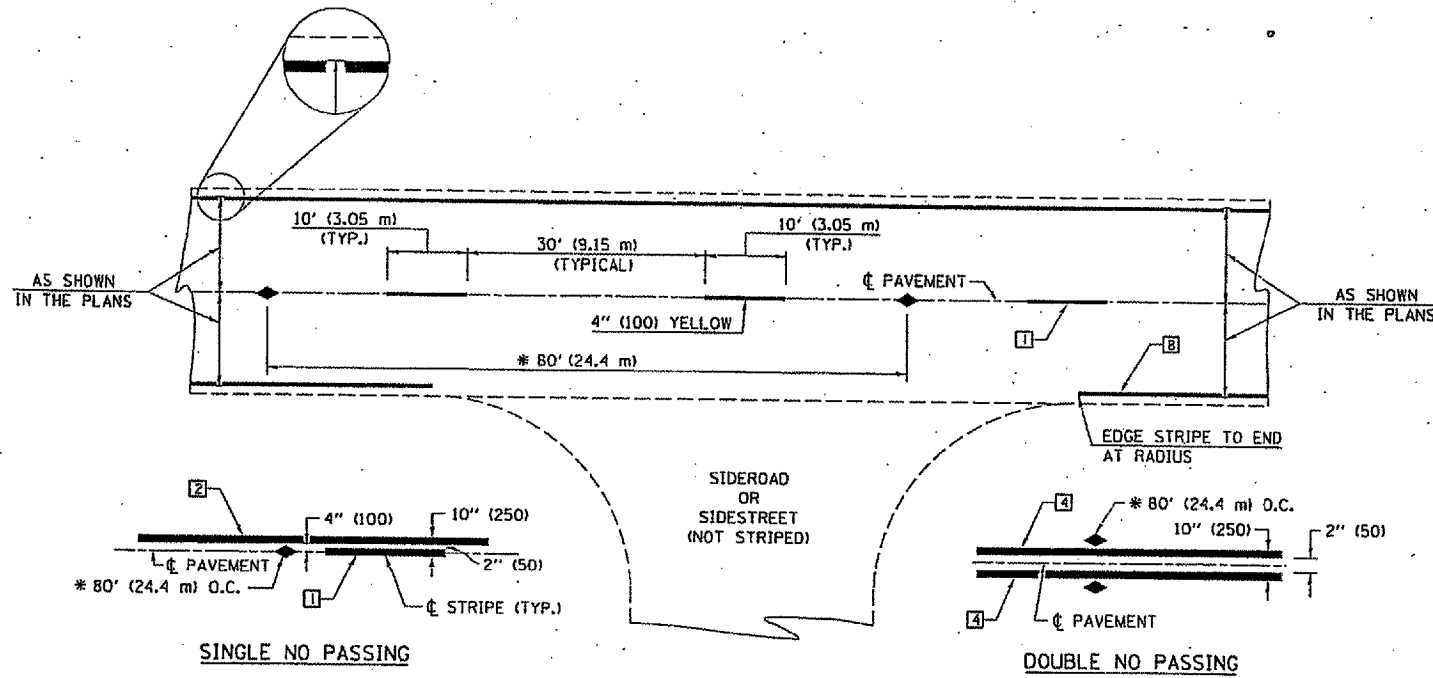
	NAME	DATE	REVISIONS	
DESIGNED	D.A.S.	7/98	NAME	DATE
CHECKED	D.L.P.	7/98	K.A.G.	06/03
CADD NO.	C-1.30			

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

# TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CHAMPAIGN	21	19

CONTRACT NO. 70470  
 \* F.A.P. RTE. 836 & F.A.S. RTE. 516  
 \*\* D-5 CONTRACT MAINT 2005-13



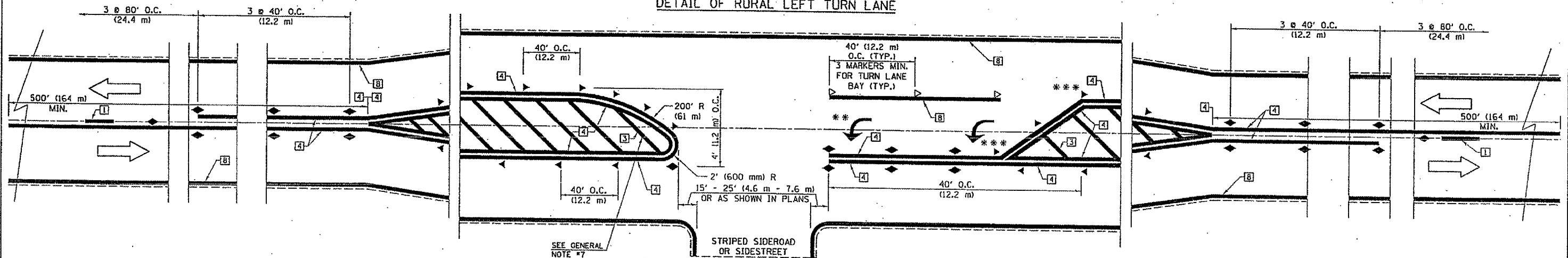
## TYPICAL PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) CROSS WALK (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) LANE LINE EXTENSIONS (WHITE)
- 14 4" (100) PARKING WHITE

## TYPICAL PAVEMENT MARKERS LEGEND

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER

## DETAIL OF RURAL LEFT TURN LANE



SHEET 1 OF 3

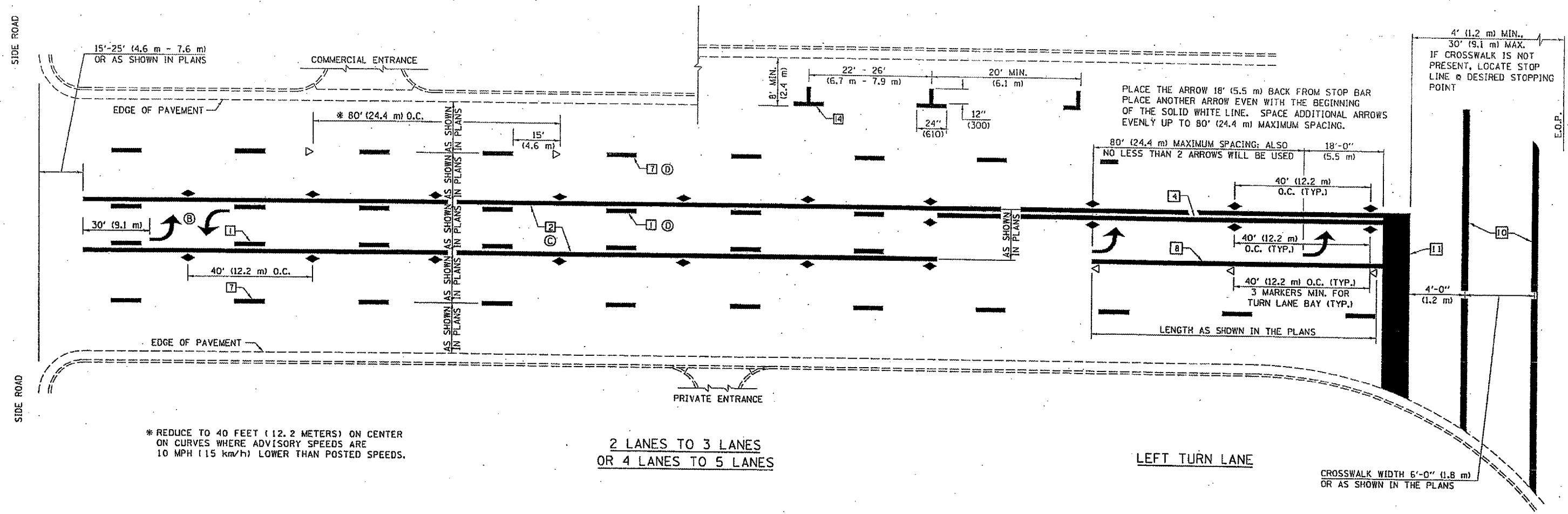
NAME	DATE	REVISIONS
DESIGNED J.M.H.	5/85	
CHECKED FMS	6/85	
CADD NO. F-5.25	6/88	

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

# TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	CHAMPAIGN	21	20

CONTRACT NO. 70470  
 • F.A.P. RTE. 836 & F.A.S. RTE. 516  
 • D-5 CONTRACT MAINT 2005-13



SHEET 2 OF 3

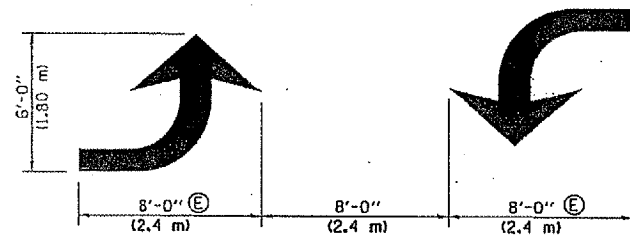
NAME	DATE	REVISIONS
DESIGNED	J.M.H. 9/85	
CHECKED	FMS CTD 6/85	NAME DATE
CADD NO.	F-5.25	GEOMETRICS/K.A.G. 07/02
		K.A.G. 08/04

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

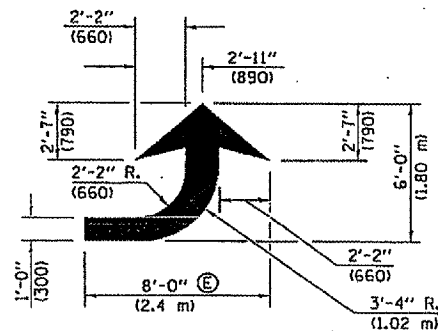
# TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CHAMPAIGN	21	21

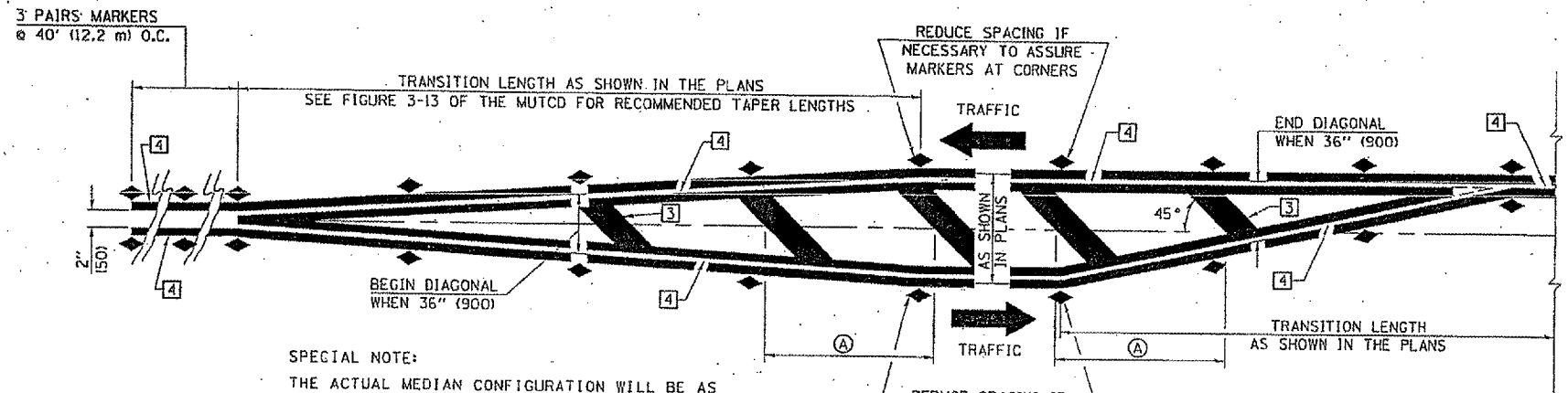
CONTRACT NO. 70470  
 \* F.A.P. RTE. 836 & F.A.S. RTE. 516  
 \*\* D-5 CONTRACT MAINT 2005-13



TYPICAL DOUBLE TURN ARROWS (WHITE)



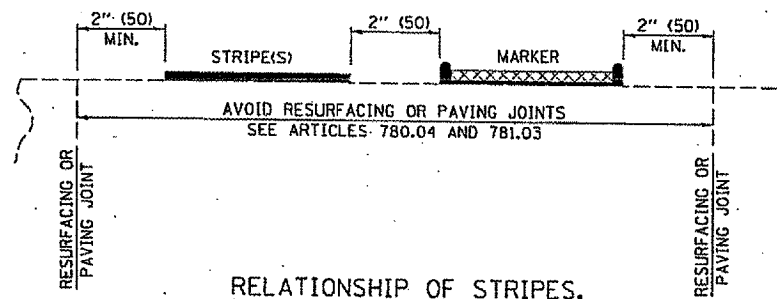
LEFT ARROW  
 REVERSE FOR RIGHT ARROW  
 AREA = 15.6 SQ. FT. (1.47 m<sup>2</sup>)  
 (WHITE)



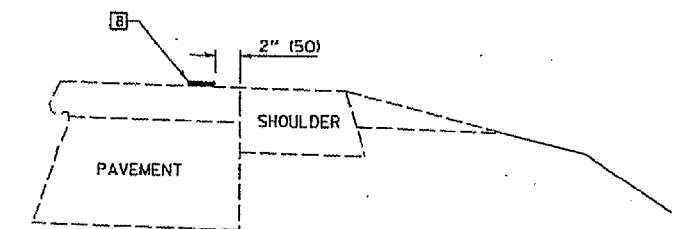
SPECIAL NOTE:  
 THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).  
 RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

NOTE (A)  
 SEE GENERAL NOTE #7

TYPICAL MEDIAN TRANSITIONS



RELATIONSHIP OF STRIPES, MARKERS AND JOINTS



RELATIONSHIP OF EDGE STRIPE TO SAFETY SHOULDER OR PAVED SURFACE

SPECIAL NOTES:

- (B) TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE.
- (C) THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
- (D) THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER. SEE EXAMPLE ON SHEET 2 OF 3.
- (E) TURN ARROW SIZE DEPENDS ON THE LOCATION.  
 RURAL LOCATION - LARGE ARROW SIZE  
 URBAN LOCATION - SMALL ARROW SIZE

GENERAL NOTES

1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
2. SCALE: NONE
3. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
4. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
5. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
6. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
7. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING.  
 < 30 MPH USE 15' (< 50 km/h USE 4.5 m)  
 30-45 MPH USE 20' (50-75 km/h USE 6.0 m)  
 > 45 MPH USE 30' (> 75 km/h USE 9.0 m)

SHEET 3 OF 3

DESIGNED	NAME	DATE	REVISIONS
J.M.H.	5/85	6/88	NAME
FNS	6/85	6/88	DATE
CTD	6/85	6/88	GEOMETRICS/K.A.G.
CADD NO.	F-5.25		K.A.G.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.