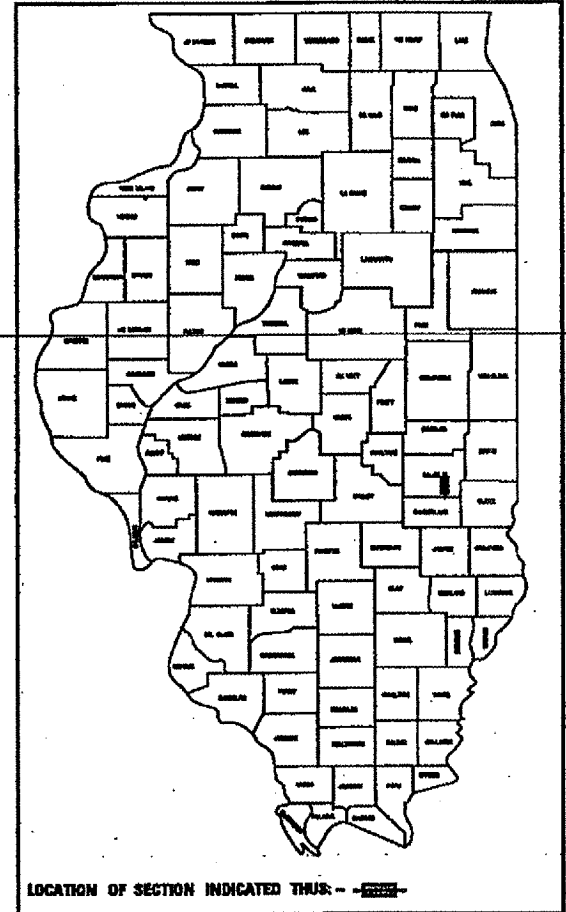


FAP ROUTE	SECTION	COUNTY	TOTAL SHEET	SHEET NO.
116		COLES	14	8

CONTRACT NO. 70447
 D-5 CONTRACT MAINTENANCE 2005-8
 COLES COUNTY.
 D-95-093-04

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

FOR INDEX OF SHEETS, SEE SHEET NO. 2
 FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4

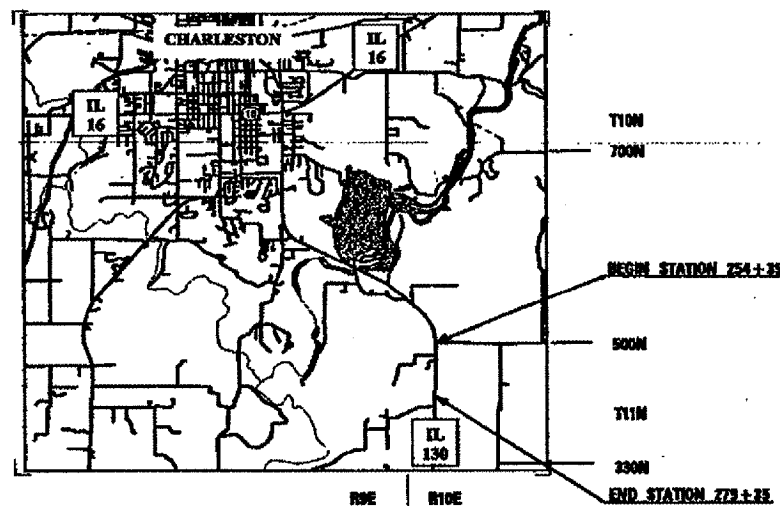


PLAN NA
 PROFILE HORIZ. NA
 PROFILE VERT. NA
 CROSS SECTIONS NA
 HORIZONTAL NA
 VERTICAL NA

**F.A.P. ROUTE 116 (IL. ROUTE 130)
 D 5 CONTRACT MAINT 2005-8
 COLES COUNTY**

C-95-093-04

**PATCHING RESURFACING
 WESTFIELD RD TO 0.4 MILE SOUTH**



TOTAL LENGTH OF SECTION & PROJECT = 2500 FEET = 0.47 MILES
 NET LENGTH OF SECTION & PROJECT = 2500 FEET = 0.47 MILES

CURRENT ADT:
 F.A.P. 116 (IL RTE 130) = 2,900 (2003)

DESIGN DESIGNATION
 NA

CONTRACT NO. 70447

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED 7/20/05
[Signature]
 DEPUTY DIRECTOR OF HIGHWAYS, REGION THREE ENGINEER

March 25, 2005
[Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT

March 25, 2005
[Signature]
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

FOR UNDERGROUND UTILITY
 LOCATIONS CALL
 TOLL FREE J.U.L.I.E. TELEPHONE NO.
 1-800-882-0123
 HUTTON TOWNSHIP

PRINTED BY AUTHORITY OF THE STATE OF ILLINOIS

PROJECT ENGINEER: TIM BRANDENBURG (217)465-4161

DESIGNER: TODD BLACK

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
116	*	**	14	2

CONTRACT NO. 70447
 • D-5 CONTRACT MAINTENANCE 2005-8
 ** COLES COUNTY

INDEX OF SHEETS

<u>SHEET NO.</u>	<u>ITEM</u>
1	COVER SHEET
2	INDEX OF SHEETS
2	LIST OF STANDARDS
3	GENERAL NOTES
4	SUMMARY OF QUANTITIES
5	EXISTING TYPICAL CROSS SECTION
5	PROPOSED TYPICAL CROSS SECTIONS
6	SCHEDULE OF QUANTITIES
7	PATCHING SCHEDULE
8	INCIDENTAL BITUMINOUS SURFACE SCHEDULE
9	MAINLINE BUTT JOINT DETAILS
10	TYPICAL DETAIL OF RURAL PRIVATE AND COMMERCIAL ENTRANCES
11	TYPICAL DETAIL OF SIDEROAD RETURNS
12-14	TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS

LIST OF STANDARDS

<u>STANDARD NUMBER</u>	<u>NAME OF STANDARD</u>
406201	MAILBOX TURNOUT
442201-01	CLASS C AND D PATCHES
701201-02	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
701301-02	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-01	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH
701311-02	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
702001-05	TRAFFIC CONTROL DEVICES
780001-01	TYPICAL PAVEMENT MARKINGS
781001-02	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
001006	DECIMAL OF AN INCH AND OF A FOOT

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
116	"	**	14	3

CONTRACT NO. 70447
 • D-5 CONTRACT MAINTENANCE 2005-8
 ** COLES COUNTY

GENERAL NOTES

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:

MIXTURE USES	AC/PG	RAP % (MAX)	DESIGN AIR VOIDS	MIXTURE COMPOSITION	FRICTION AGGREGATE
BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	PG 64-22	15%	4.0% @ Ndes = 50	IL 9.5	MIX C
INCIDENTAL BITUMINOUS SURFACING	PG 64-22	15%	4.0% @ Ndes = 50	IL 9.5	MIX C
CLASS D PATCH	PG 64-22	25%	4.0% @ Ndes = 50	IL 19.0	N. A.

G. N. -440A
 THE COLD MILLING ON THIS JOB IS INTENDED TO TRUE UP THE EXISTING PAVEMENT SURFACE. BECAUSE THIS OPERATION REQUIRES CAREFUL JUDGMENT TO ACHIEVE THE DESIRED RESULT AND AVOID EXCESSIVE REMOVAL, THE DISTRICT HAS PREPARED A VIDEOTAPE TO ILLUSTRATE THE DESIRED OPERATION.

THIS VIDEOTAPE IS AVAILABLE FOR REVIEW IF THE CONTRACTOR IS NOT FAMILIAR WITH THE DISTRICT'S INTENT.

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. -781

RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH STANDARD 781001, AND THE DETAILS SHOWN IN THE PLANS. IF THERE IS ANY DISCREPANCY BETWEEN THE STANDARD AND THE DETAILS IN THE PLANS, THE DETAILS IN THE PLANS SHALL GOVERN. THE FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING THE RAISED REFLECTIVE PAVEMENT MARKERS AND THE RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED MIDWAY IN THE 30 FOOT (9 m) SPACE BETWEEN THE DASHED CENTERLINE STRIPES (WHEN APPLICABLE).

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.'

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
116	*	**	14	4

CONTRACT NO. 70447
 * D-5 CONTRACT MAINTENANCE 2005-8
 ** COLES COUNTY

SUMMARY OF QUANTITIES

LOCATION OF WORK:

FAP 116 (IL. 130)
 COLES COUNTY
 STATION 254+35
 TO
 279+35
 RURAL TWO LANE
 100% STATE

CONSTRUCTION TYPE CODE:

1000

CODE NO	ITEM	UNIT	TOTAL QUANTITY
35101400	AGGREGATE BASE COURSE, TYPE B	TON	23.0
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	750.0
40600300	AGGREGATE PRIME COAT	TON	15.0
40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	SQ. YD.	174.0
40600990	TEMPORARY RAMP	SQ. YD.	30.0
40800010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	46.0
40800030	AGGREGATE PRIME COAT	TON	2.0
40800040	INCIDENTAL BITUMINOUS SURFACING	TON	32.0
44000025	BITUMINOUS SURFACE REMOVAL (SPECIAL)	SQ. YD.	140.0
44000030	BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)	SQ. YD.	7,222.0
44201785	CLASS D PATCHES, TYPE I, 12 INCH	SQ. YD.	4.0
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ. YD.	57.0
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ. YD.	135.0
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ. YD.	561.0
48101200	AGGREGATE SHOULDERS, TYPE B	TON	175.0
67100100	MOBILIZATION	L SUM	1.0
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1.0
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1.0
70300100	SHORT - TERM PAVEMENT MARKING	FOOT	1,000.0
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	167.0
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	5,625.0
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	32.0
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	32.0
X4066414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX C, N 50	TON	610.0

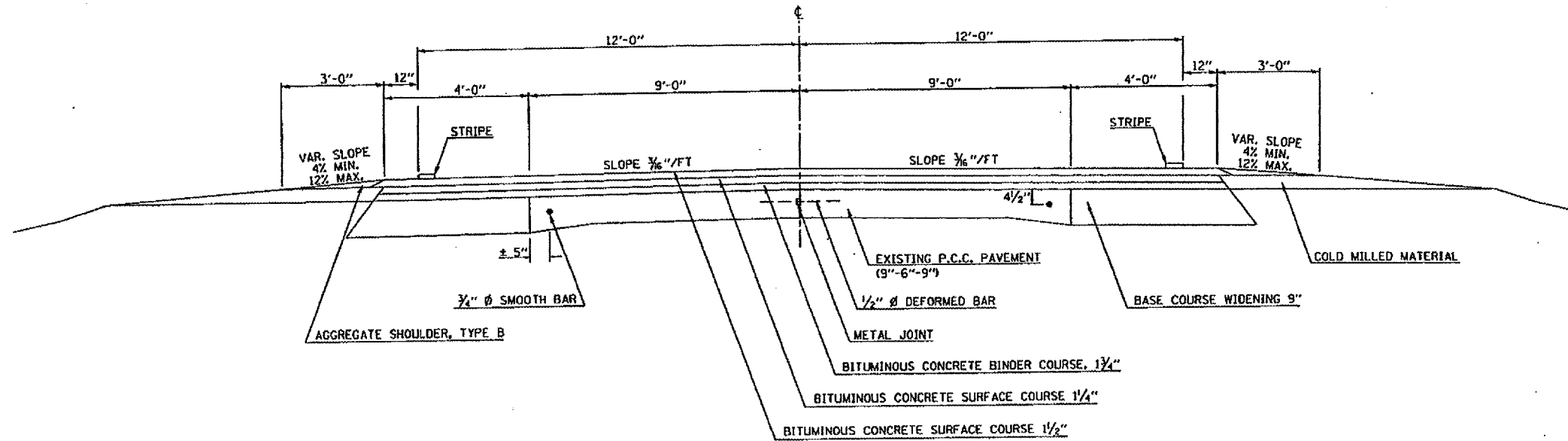
* SPECIALITY ITEMS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
116	-	**	14	5

CONTRACT NO. 70447
 D-5 CONTRACT MAINTENANCE 2005-8
 COLES COUNTY

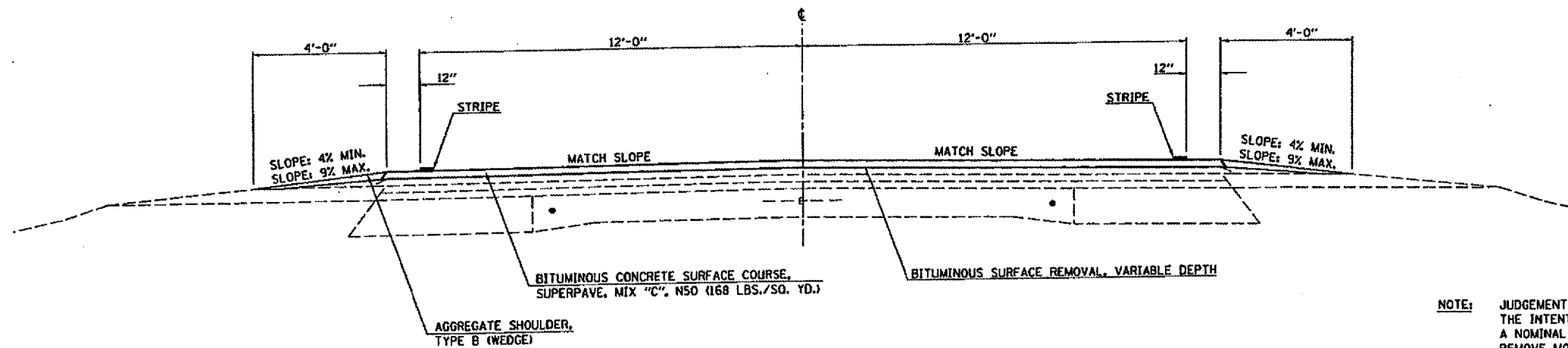
EXISTING TYPICAL CROSS SECTION

STATION TO STATION
 254+35.00 279+35.00



PROPOSED TYPICAL CROSS SECTION

STATION TO STATION
 254+35.00 279+35.00



NOTE: JUDGEMENT SHOULD BE EXERCISED DURING PROFILE MILLING. THE INTENT OF THE MILLING OPERATION IS TO ESTABLISH A NOMINAL 3/8" / FT. SLOPE, REMOVE HIGH BUMPS AND REMOVE MOST OF THE RUTTING. (SEE SPECIAL PROVISIONS)

SAMPLE SETTING: 3/8" / FT. MAXIMUM CROSS SLOPE
 ADJUST SETTINGS ACROSS THE PAVEMENT SUCH THAT THE MILLING DEPTH = ± 1" MAXIMUM

SAMPLE SETTING RESULTS: MILL DEPTH = 0" @ CENTERLINE
 MILL DEPTH = ± 1" @ EDGE OF PAVEMENT

(PROFILE MILLING WILL BE PERFORMED AFTER PATCHING IS COMPLETED AND PRIOR TO BITUMINOUS CONCRETE SURFACE PLACEMENT.)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
116	-	**	14	6

CONTRACT NO. 7044T
 * D-5 CONTRACT MAINTENANCE 2005-8
 ** COLES COUNTY

SCHEDULE OF QUANTITIES

BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH) - 4400030

STATION	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)
254+35.00 TO 279+35.00	2,500.00	26.00	7,222.22
TOTAL =			7,222.22 SQ YD
USE =			7,222.00 SQ YD

BITUMINOUS SURFACE REMOVAL - BUTT JOINT - 40600980

STATION	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)
254+35.00 TO 254+65.00	30.00	26.00	86.67 SQ YD
279+05.00 TO 279+35.00	30.00	26.00	86.67 SQ YD
TOTAL =			173.34 SQ YD
USE =			174.00 SQ YD

TEMPORARY RAMP - 40600990

STATION	LENGTH (FT)	WIDTH (FT)	AREA (SQ YD)
254+35.00 TO 254+40.00	5.00	26.00	14.44 SQ YD
279+30.00 TO 279+35.00	5.00	26.00	14.44 SQ YD
TOTAL =			28.88 SQ YD
USE =			30.00 SQ YD

AGGREGATE SHOULDER, TYPE B - 48101200

STATION	LENGTH (FT)	WIDTH (FT)	TON
254+35.00 TO 279+35.00 NORTHBOUND	2,600.00	4.00	84.25 TON
254+35.00 TO 279+35.00 SOUTHBOUND	2,700.00	4.00	87.50 TON
TOTAL =			171.75 TON
USE =			175.0 TON

SHORT TERM PAVEMENT MARKING - 70300100

YELLOW:
 1,000.00 LIN. FT. LINE 4 INCH

TOTAL:
 1,000.00 LIN. FT. LINE 4 INCH

PAINT PAVEMENT MARKING LINE 4 INCH - 78001110

YELLOW:
 625.00 LIN. FT. LINE 4 INCH

WHITE:
 5,000.00 LIN. FT. LINE 4 INCH

TOTAL:
 5,625.00 LIN. FT. LINE 4 INCH

RAISED REFLECTIVE PAVEMENT MARKER REMOVAL - 78300200

LOCATION	STATION	TO	STATION	QUANTITY (EACH)
CENTERLINE	254+35.00		279+35.00	32.0
TOTAL =				32.0 EACH

RAISED REFLECTIVE PAVEMENT MARKERS - 78100100

LOCATION	STATION	TO	STATION	QUANTITY (EACH)	TYPE
CENTERLINE	254+35.00		279+35.00	32.0	AMBER (BIDIRECTIONAL)
TOTAL =				32.0 EACH	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
116	-	--	14	7

CONTRACT NO. 70447
 • D-5 CONTRACT MAINTENANCE 2005-8
 ** COLES COUNTY

**CLASS D PATCHES, 12 INCH
 F.A.P. ROUTE 116 (U.S. ROUTE 130)**

BEGIN STATION	END STATION	DIRECTION	LENGTH (FT)	WIDTH (FT)	PATCH AREA			
					TYPE I (SQ YD)	TYPE II (SQ YD)	TYPE III (SQ YD)	TYPE IV (SQ YD)
254+98.00		NORTHBOUND	6.00	13.00		8.67		
254+98.00		SOUTHBOUND	6.00	13.00		8.67		
255+45.00	256+35.00	NORTHBOUND	90.00	6.00				60.00
256+65.00		NORTHBOUND	6.00	6.00	4.00			
257+80.00	260+78.00	NORTHBOUND	298.00	6.00				198.67
262+85.00	263+15.00	NORTHBOUND	30.00	6.00			20.00	
266+60.00	267+90.00	NORTHBOUND	130.00	6.00				86.67
268+00.00		NORTHBOUND	20.00	13.00				28.89
268+10.00	268+50.00	NORTHBOUND	40.00	6.00				26.67
268+95.00	271+35.00	NORTHBOUND	240.00	6.00				160.00
271+75.00		SOUTHBOUND	6.00	13.00		8.67		
272+90.00	273+22.00	NORTHBOUND	32.00	6.00			21.33	
273+88.00		NORTHBOUND	12.00	13.00			17.33	
274+60.00	274+90.00	NORTHBOUND	30.00	6.00			20.00	
275+30.00	275+50.00	NORTHBOUND	20.00	6.00		13.33		
276+78.00		NORTHBOUND	15.00	13.00			21.67	
277+44.00		NORTHBOUND	12.00	13.00			17.33	
278+30.00		NORTHBOUND	12.00	13.00			17.33	
279+16.00		NORTHBOUND	6.00	13.00		8.67		
279+16.00		SOUTHBOUND	6.00	13.00		8.67		
TOTAL =					4.00	56.68	134.99	560.90
USE =					4.00	57.00	135.00	561.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
116	*	**	14	8

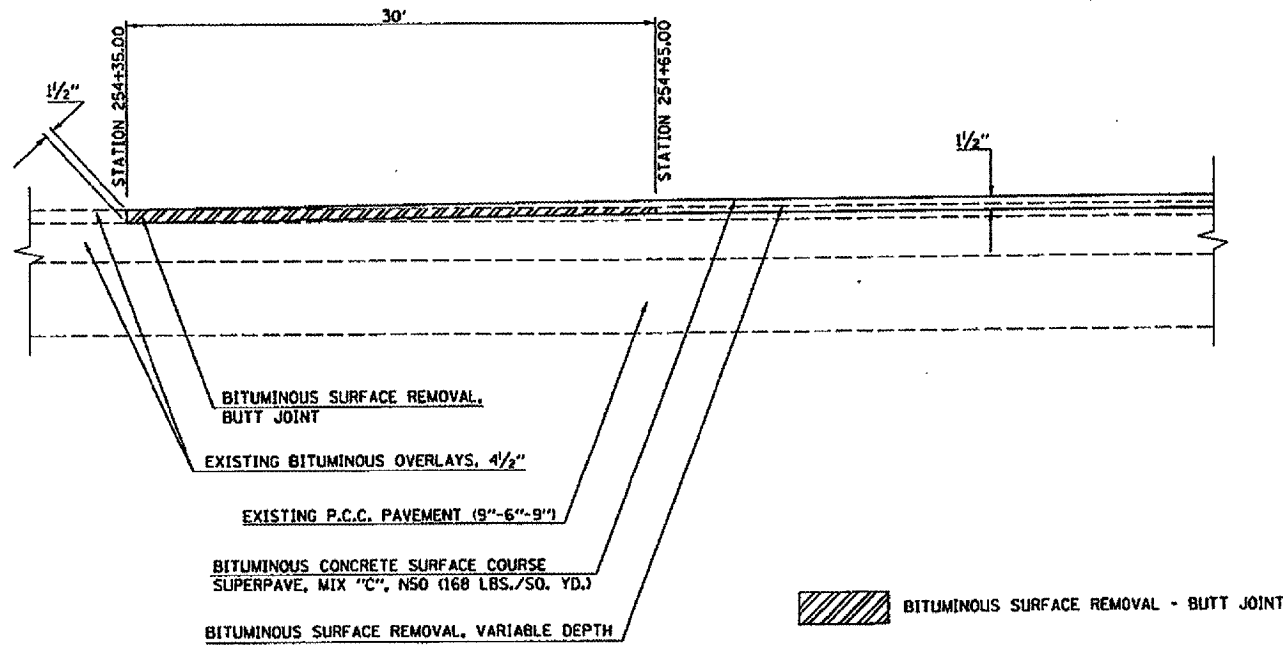
CONTRACT NO. 70447
 • D-5 CONTRACT MAINTENANCE 2005-8
 ** COLES COUNTY

**INCIDENTAL BITUMINOUS SURFACE
 F.A.P. ROUTE 116 (IL ROUTE 130)**

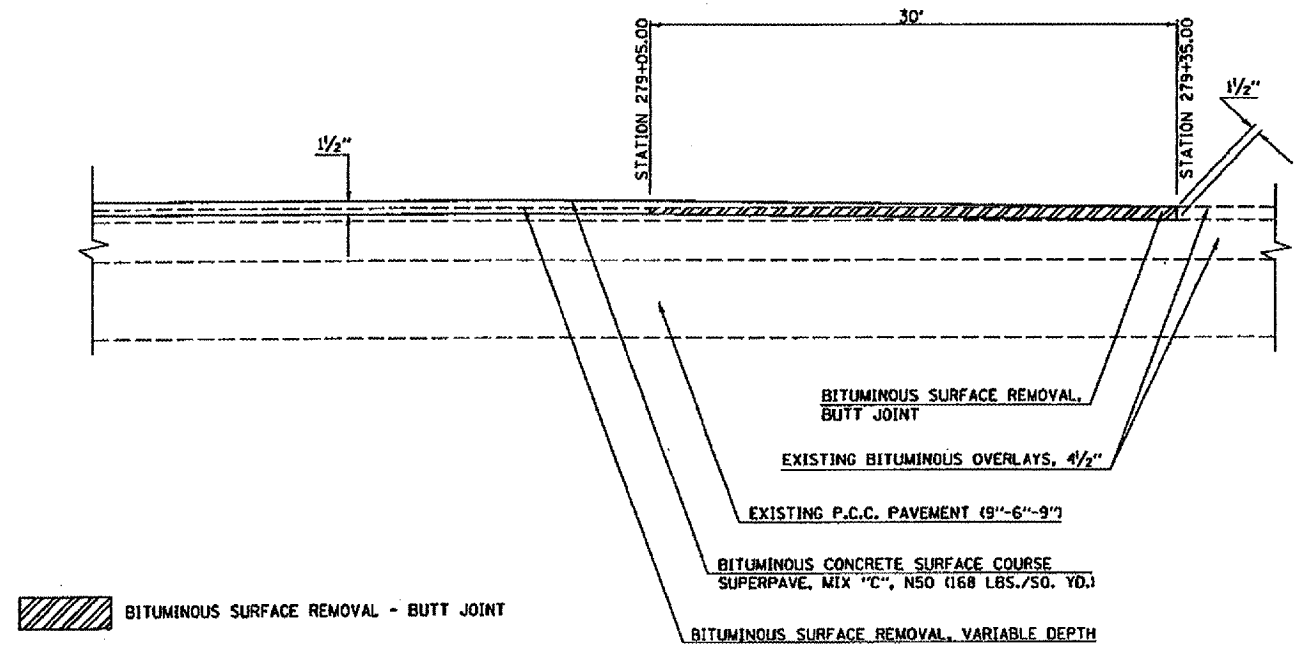
STATION	DESCRIPTION	INCIDENTAL AREA (SQ YD)	AVERAGE THICKNESS (INCH)	INCIDENTAL BIT SURFACE 40800040 (TON)	BIT MATERIAL PRIME COAT 40800010 (GALLONS)	AGGREGATE PRIME COAT 40800030 (TON)	BIT SURF REM SPECIAL 44000025 (SQ YD)	AGGREGATE BASE COURSE, TYPE B 35101400 (TON)
RT. 257+54	SIDEROAD	64.00	1.50	5.38	6.40	0.13	32.00	
LT. 262+60	P.E.	30.00	1.50	2.52	3.00	0.06	15.00	
LT. 262+72	MBTO	31.10	1.50	2.61	6.22	0.23		7.93
LT. 267+47	P.E.	28.33	1.50	2.38	2.83	0.06	14.17	
LT. 268+38	P.E.	33.94	1.50	2.85	3.39	0.07	16.97	
RT. 269+10	P.E.	23.90	1.50	2.01	2.39	0.05	11.95	
LT. 269+42	P.E.	25.00	1.50	2.10	2.50	0.05	12.50	
LT. 269+62	MBTO	24.10	1.50	2.02	4.82	0.18		6.15
LT. 273+70	MBTO	35.00	1.50	2.94	7.00	0.26		8.93
RT. 273+73	P.E.	32.38	1.50	2.72	3.24	0.06	16.19	
RT. 276+03	P.E.	40.00	1.50	3.36	4.00	0.08	20.00	
TOTAL =				30.89	45.80	1.23	138.78	23.00
USE =				32.00	46.00	2.00	140.00	23.00

NOTE: THE INCIDENTAL BITUMINOUS SURFACE SCHEDULE ABOVE
 LISTS ONLY THE ENTRANCES, MAILBOX TURNOUTS, AND SIDEROADS
 INTENDED TO BE RESURFACED UNDER THIS CONTRACT.

BUTT JOINT DETAIL AT BEGINNING OF PROJECT STATION 245 + 35.00



BUTT JOINT DETAIL AT END OF PROJECT STATION 279 + 35.00



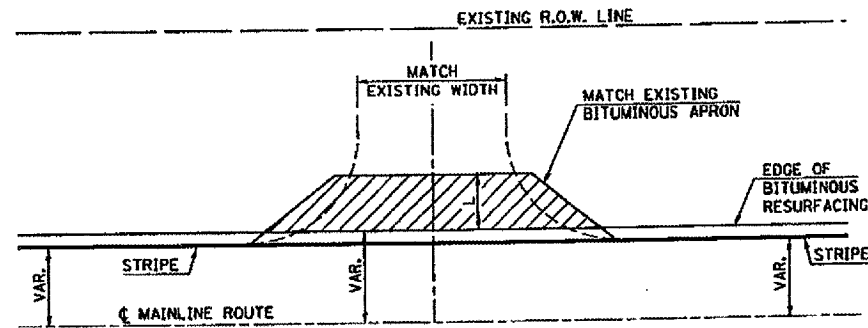
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
116		**	14	9

CONTRACT NO. 70447
 * D-5 CONTRACT MAINTENANCE 2005-8
 ** COLES COUNTY

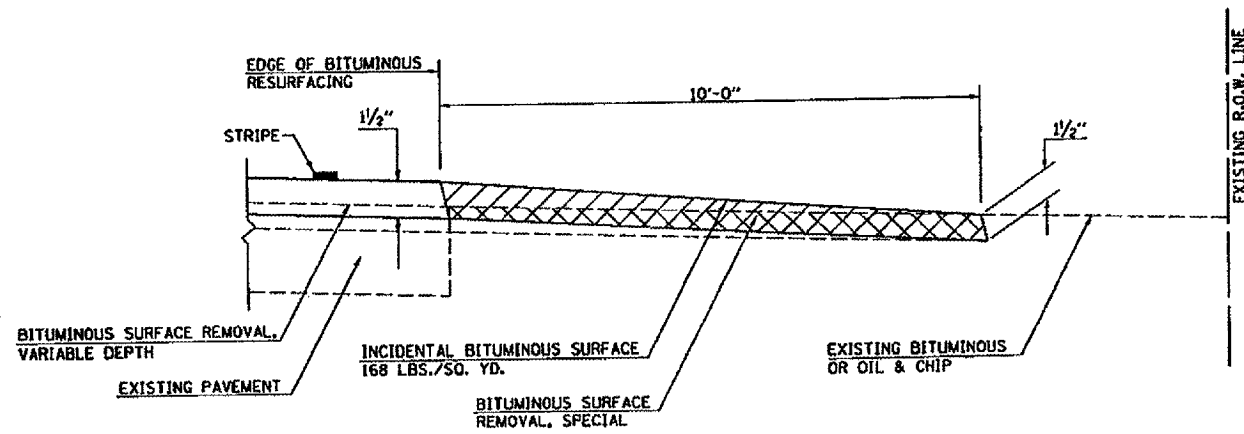
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
116	-	--	14	10

CONTRACT NO. 70447
 • D-5 CONTRACT MAINTENANCE 2005-8
 • COLES COUNTY

TYPICAL DETAIL OF RURAL PRIVATE AND COMMERCIAL ENTRANCES (BITUMINOUS OR OIL & CHIP)



PLAN

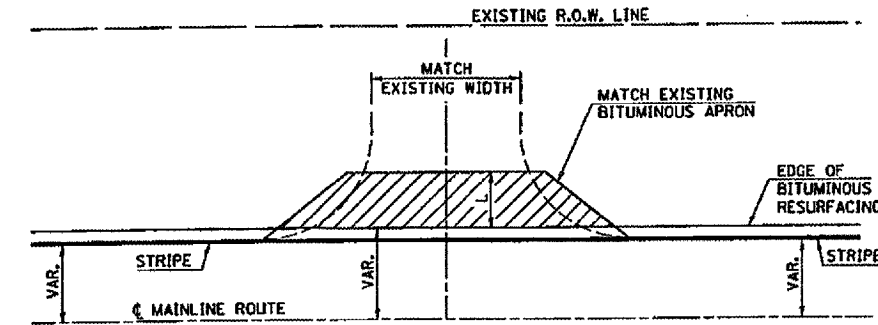


PROFILE

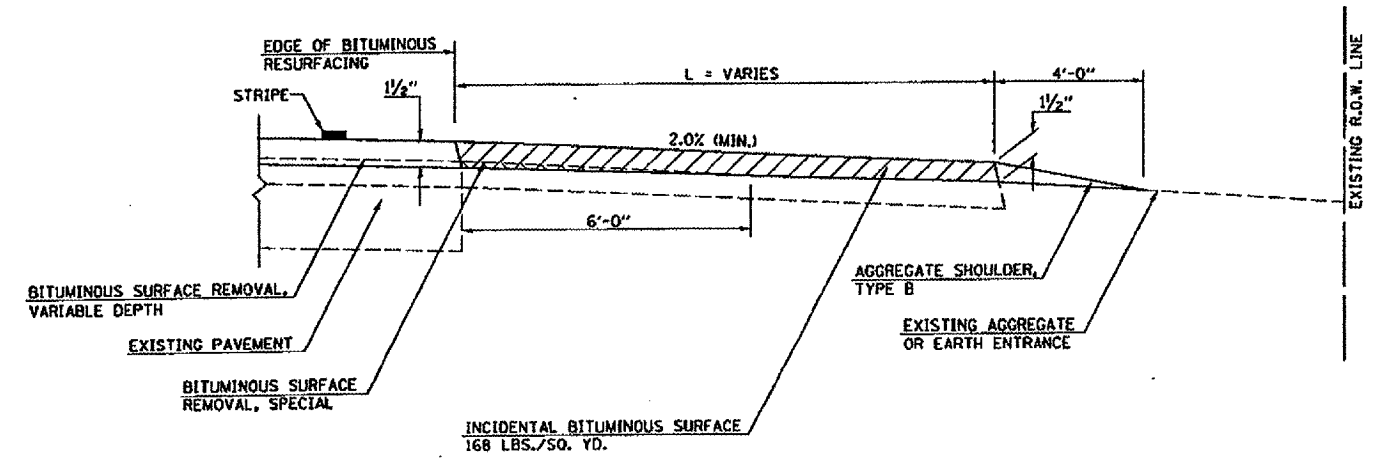
GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. THE INCIDENTAL BITUMINOUS SURFACING IS INTENDED TO RESURFACE THE EXISTING ENTRANCES IN THEIR ENTIRETY.
3. ANY NECESSARY WORK BEHIND THE INCIDENTAL BITUMINOUS SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.

TYPICAL DETAIL OF RURAL PRIVATE AND COMMERCIAL ENTRANCES (AGGREGATE OR EARTH)



PLAN



PROFILE

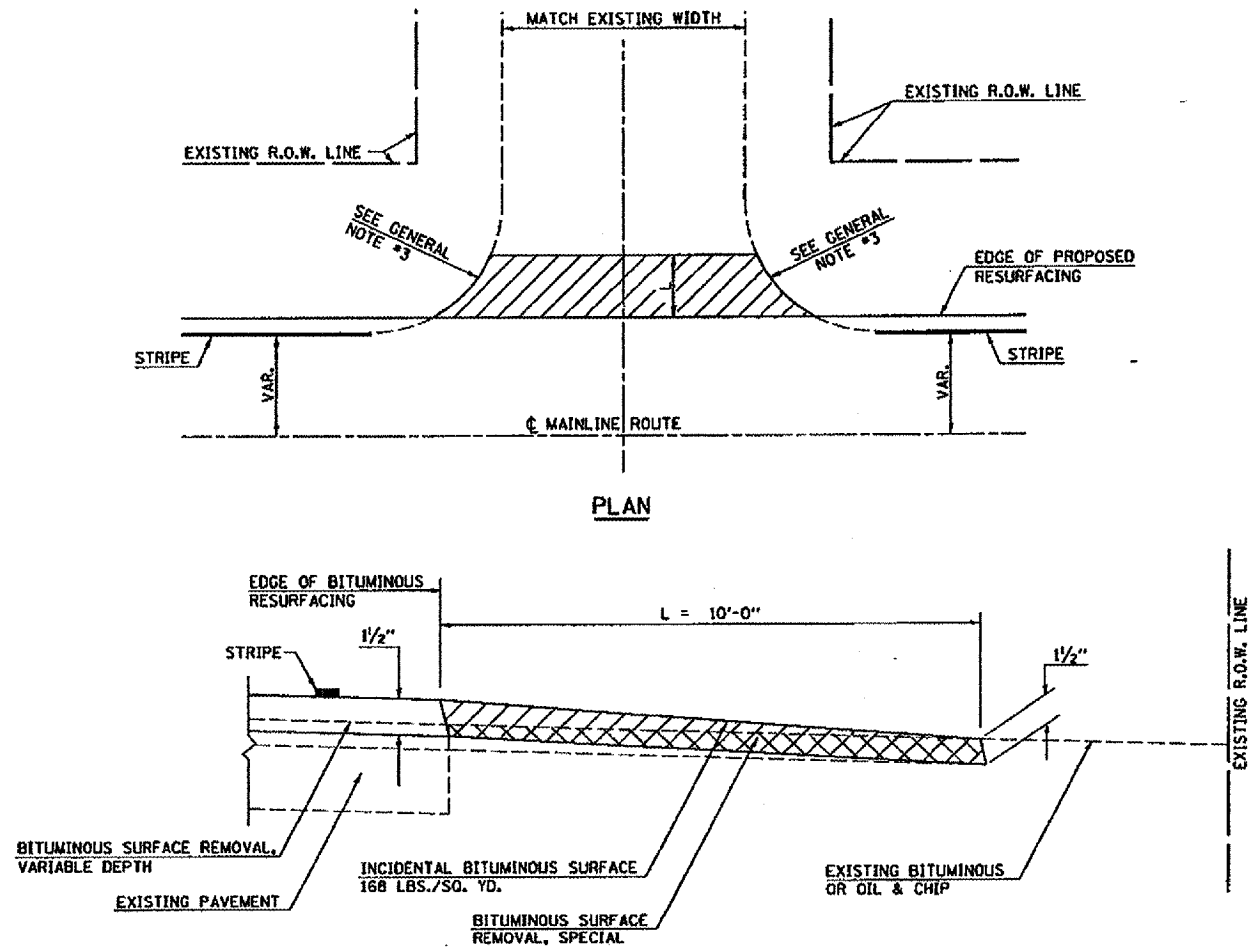
GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. THE INCIDENTAL BITUMINOUS SURFACING IS INTENDED TO RESURFACE THE EXISTING ENTRANCES IN THEIR ENTIRETY.
3. ANY NECESSARY WORK BEHIND THE INCIDENTAL BITUMINOUS SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
116		**	14	11

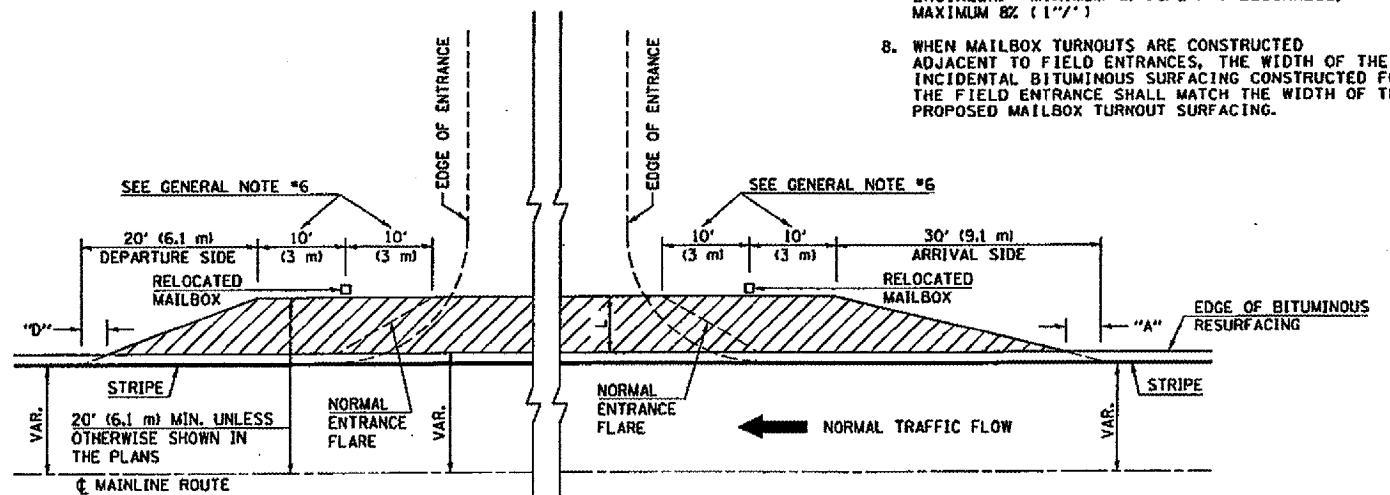
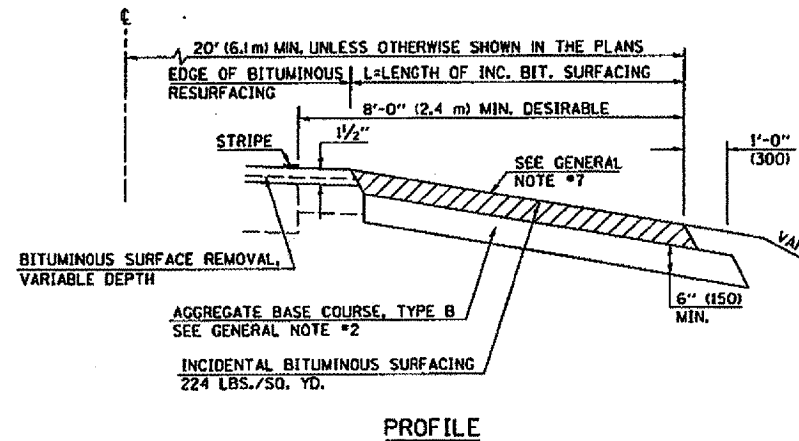
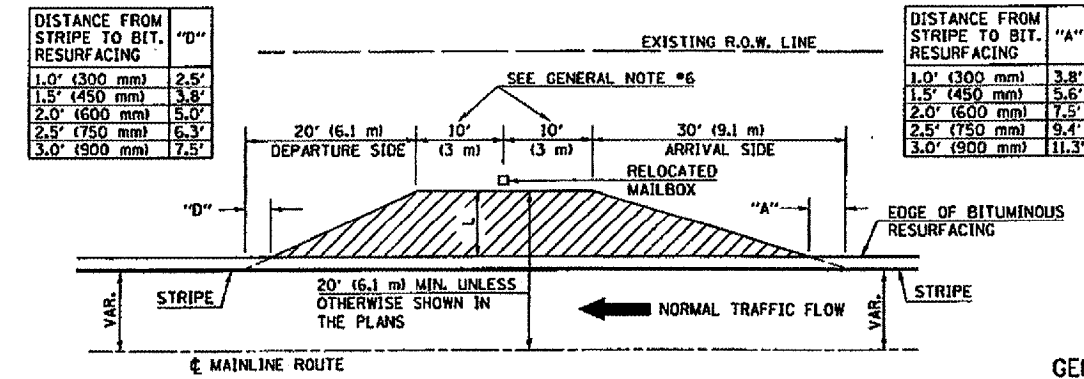
CONTRACT NO. 70447
 D-5 CONTRACT MAINTENANCE 2005-8
 COLES COUNTY

DETAIL OF SIDEROAD RETURNS (RURAL SECTION WITH BITUMINOUS OR OIL & CHIP)



- GENERAL NOTES**
1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
 2. THE INCIDENTAL BITUMINOUS SURFACING IS INTENDED TO RESURFACE THE EXISTING SIDEROAD TO A LENGTH OF 10'-0" FROM THE EDGE OF PROPOSED RESURFACING.
 3. THE INCIDENTAL BITUMINOUS SURFACING SHALL MATCH THE EXISTING RADIUS.

TYPICAL DETAIL OF RURAL MAILBOX TURNOUTS



TYPICAL MAILBOX TURNOUT PLACEMENT ADJACENT TO ENTRANCE

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

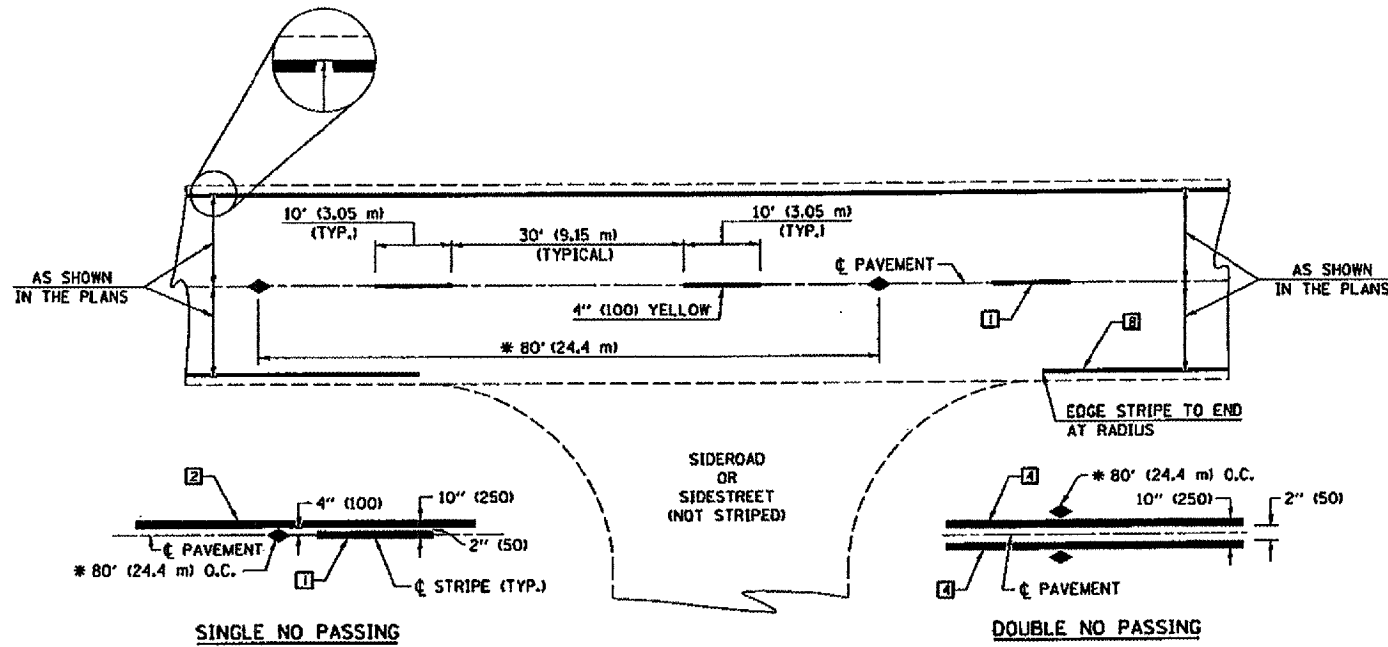
GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. AGGREGATE BASE COURSE, TYPE B, 6" (150) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED MAILBOX TURNOUTS. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ALL EXISTING MAILBOX TURNOUTS OR TO CONSTRUCT NEW MAILBOX TURNOUTS WHERE NONE NOW EXISTS.
3. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 1' (0.3 m) WIDER THAN THE SURFACE DIMENSIONS AS SHOWN ABOVE.
4. ANY NECESSARY WORK BEHIND THE INCIDENTAL BITUMINOUS SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
5. THE TEMPORARY RELOCATION OF EXISTING MAILBOXES SHALL BE IN ACCORDANCE WITH ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS.
6. WHEN MORE THAN ONE RELOCATED MAILBOX IS INCLUDED IN A PARTICULAR LOCATION THE TWO 10' (3 m) DIMENSIONS AS SHOWN ABOVE SHALL BE FROM THE END MAILBOX.
7. CROSS SLOPE SHALL BE AS SHOWN ON THE STATION CROSS SECTIONS AND/OR AS DIRECTED BY THE ENGINEER. MINIMUM 4% (1/2'') DESIRABLE; MAXIMUM 8% (1'').
8. WHEN MAILBOX TURNOUTS ARE CONSTRUCTED ADJACENT TO FIELD ENTRANCES, THE WIDTH OF THE INCIDENTAL BITUMINOUS SURFACING CONSTRUCTED FOR THE FIELD ENTRANCE SHALL MATCH THE WIDTH OF THE PROPOSED MAILBOX TURNOUT SURFACING.

F.A.P. SITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
116		**	14	12

CONTRACT NO. 70447
 • D-5 CONTRACT MAINTENANCE 2005-8
 • COLES COUNTY

TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS



* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 mph (70 km/h) OR LESS.

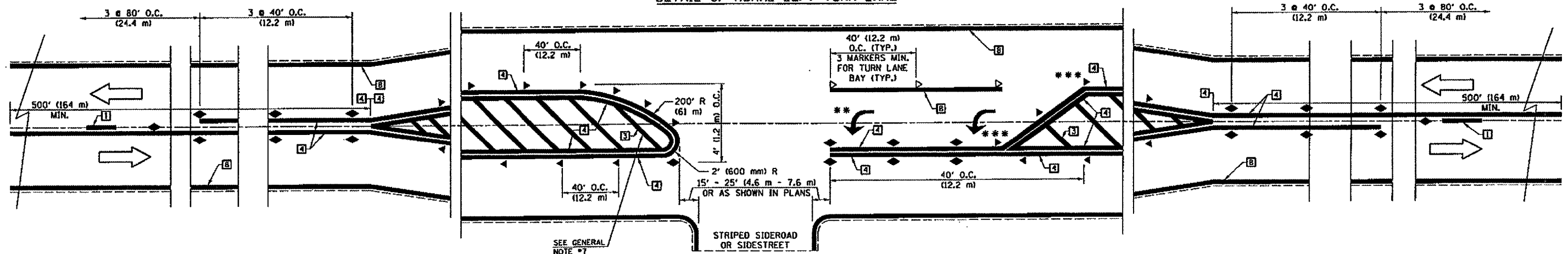
TYPICAL PAVEMENT MARKING LEGEND

- 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



*** REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.

** TURN ARROWS SHALL BE PLACED AS SHOWN ON SHEET #2.

SHEET 1 OF 3

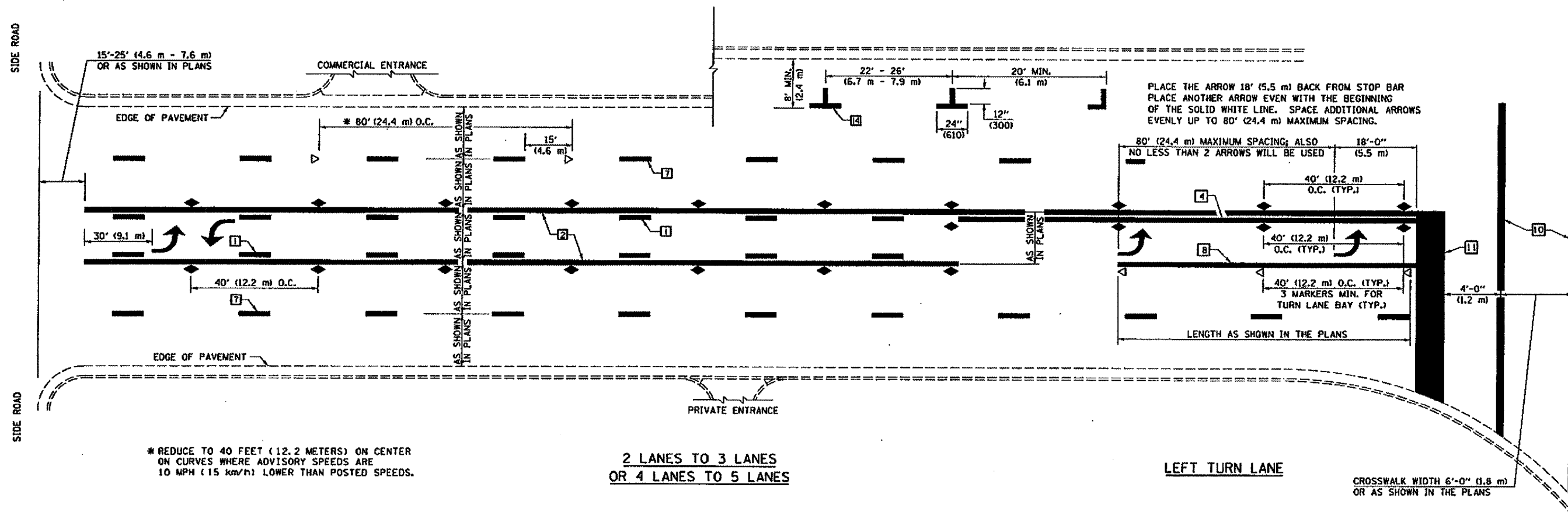
DESIGNED	NAME	DATE	REVISIONS	DATE
J.M.H.	J.M.H.	5/85		
CHECKED	FMS	6/85	GEOMETRICS/K.A.G.	07/02
CADD NO.	F-5-25	6/88	K.A.G.	08/03

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

TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
116		**	14	13

CONTRACT NO. 70447
 D-5 CONTRACT MAINTENANCE 2005-8
 COLES COUNTY



* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

**2 LANES TO 3 LANES
 OR 4 LANES TO 5 LANES**

LEFT TURN LANE

CROSSWALK WIDTH 6'-0" (1.8 m) OR AS SHOWN IN THE PLANS

SHEET 2 OF 3

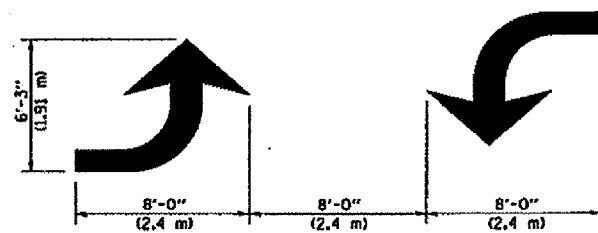
		NAME	DATE	REVISIONS	
DESIGNED	J.M.H.	5/05	6/08	NAME	DATE
CHECKED	FWS	6/05	6/08	GEOMETRICS/K.A.G.	07/02
CADD NO.	F-5.25			K.A.G.	08/03

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

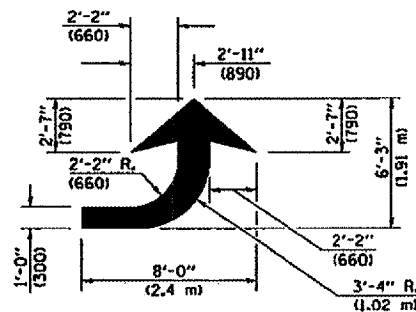
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
116		**	14	14

CONTRACT NO. 70447
 • D-5 CONTRACT MAINTENANCE 2005-8
 •• COLES COUNTY

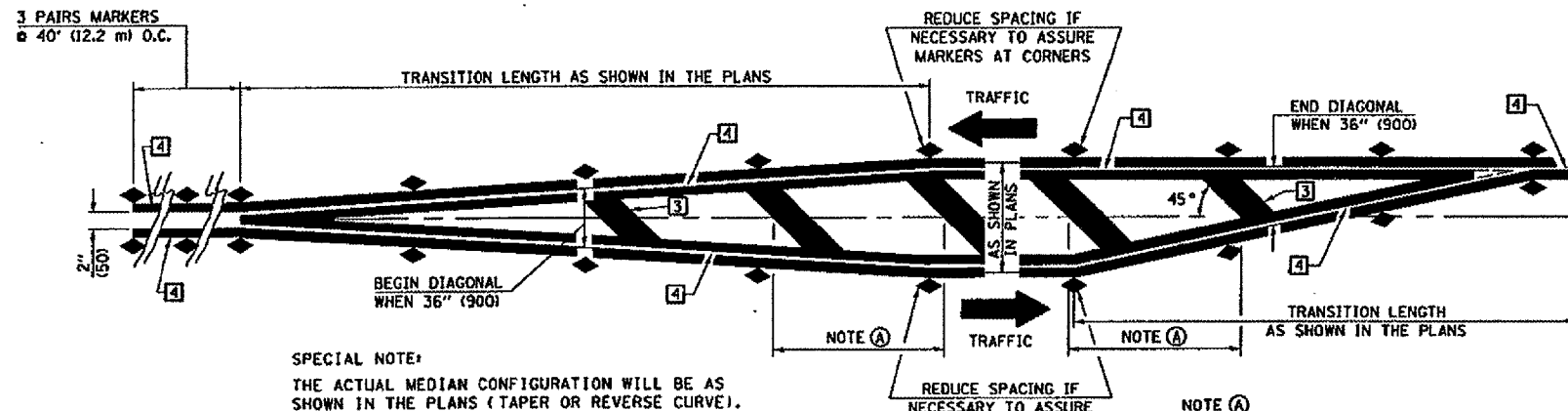
TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS



TYPICAL DOUBLE TURN ARROWS (WHITE)



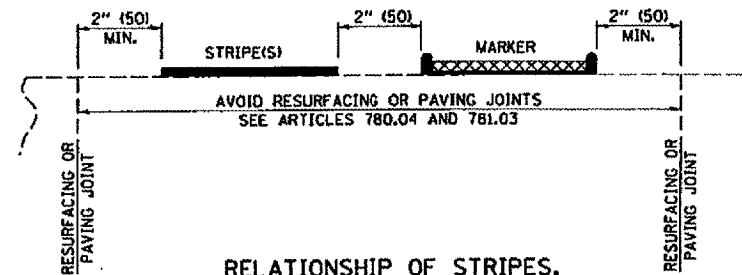
LEFT ARROW
 REVERSE FOR RIGHT ARROW
 AREA = 15.6 SQ. FT. (1.47 m²)
 (WHITE)



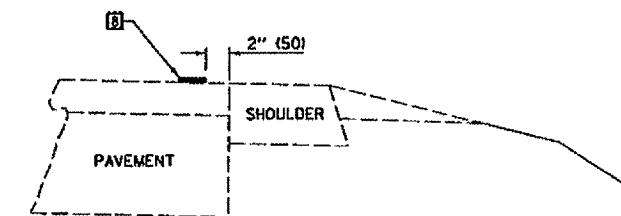
SPECIAL NOTE:
 THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).

NOTE (A)
 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)

TYPICAL MEDIAN TRANSITIONS



RELATIONSHIP OF STRIPES, MARKERS AND JOINTS



RELATIONSHIP OF EDGE STRIPE TO SAFETY SHOULDER OR PAVED SURFACE

SPECIAL NOTES:
 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.

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.

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 ABOVE.

GENERAL NOTES

- WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
- SCALE: NONE
- SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
- PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
- A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
- FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
- 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

NAME	DATE	REVISIONS
DESIGNED	J.M.H. 5/85	NAME DATE
CHECKED	FMS 6/85	GEOMETRICS/K.A.G. 07/02
CADD NO.	F-5.25	K.A.G. 08/03

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