

ARKANSAS STATE HIGHWAY AND TRANSPORTATION DEPARTMENT CONSTRUCTION PLANS FOR STATE HIGHWAY

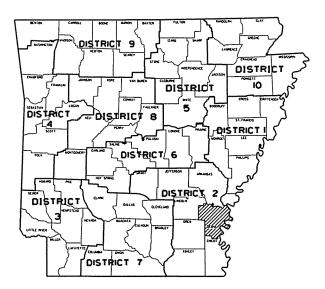
HWY.65-EAST (S)

DESHA COUNTY
ROUTE 4 SECTION 17
ROUTE 169 SECTION 1

JOB NO. 020572

FED. AID PROJ. STPR-0021(33)

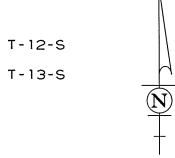




ARK. HWY. DIST. NO. 2

DESIGN TRAFFIC DATA

		HWY	· 4	HWY.	169
	DESIGN YEAR	2	2035		.2035
	2015 ADT		1400		-600
	2035 ADT		700		_720
	2035 DHV		187		79
	DIRECTIONAL DISTRIBUTION	I(0.60		.0.60
	TRUCKS		5%		4%
	DESIGN SPEEDPOSTED	45	MPH	45	5 MPH
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APPROVED

ARKANSAS

REGISTERED
PROFESSIONAL
PROGISEER
N. 7836

DEPUTY DIRECTOR AND CHIEF ENGINEER

	O 1/2 I MILE 2 MILE	
	R-3-W R-2-W	R-1-W
T-12-S T-13-S	Ø STA. 10+30.00 BEGIN JOB NO. 020572 HWY. 169 LOG MILE 0.070 END HWY. 169 LOG MILE 1.271 STA. 283+00.00 END JOB 020572 LOG MILE 3, 49 BEGIN JOB NO. 020572 HWY. 4 LOG MILE 0.00 R-3-W R-2-W	Whitehil Lote ARKANSAS CITY FOD. 589 AGOMS CHOCTAW ISLAND NO. 78

BEGINNING OF PROJECT
LATITUDE = N 33*36'37"
LONGITUDE = W 91*23'00"

MID POINT OF PROJECT

LATITUDE = N 33°36'16"

LONGITUDE = W 91°21'21"

END OF PROJECT

LATITUDE = N 33*36'12"

LONGITUDE = W 91*19'43"

CROSS LENGTH OF PROJECT 24868.00 FEET OR 4.710 MILES
NET " ROADWAY 24868.00 " " 4.710 "
NET " BRIDGES 0.00 " " 0.000 "
NET " PROJECT 24868.00 " " 4.710 "

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DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS			
				6	ARK.						
				JOB	NO.	020572	2	29			
	(2) INDEX, GOV. SPECS, AND GENERAL NOTES										

REGISTERRO PROJESSIONAL NO. 11425

INDEX OF SHEETS

SHEET	NO.	TITLE	DRWG.NO.	DATE
	1	TITLE SHEET		
	2	INDEX OF SHEETS, GOVERNING SPECIFICATIONS, AND GENERAL NOTES		
3 -	5	TYPICAL SECTIONS OF IMPROVEMENT		
6 -	7 _	MAINTENANCE OF TRAFFIC		
	8	PERMANENT PAVEMENT MARKINGS		
9 - 1	10	QUANTITIES		
1	11	SUMMARY OF QUANTITIES AND REVISIONS		
12 - 1	18	PLAN SHEETS - HWY. 4		
19 - 2	21	PLAN SHEETS - HWY. 169		
2	22	MAILBOX DETAILS	MB-1	11-18-04
2	23	PAVEMENT MARKING DETAILS	PM-1	9-12-13
2	24	PAVEMENT MARKING FOR RAILROAD CROSSING	RRS-1	11-20-08
2	25	LOOP DETECTOR INSTALLATION	SD-4	9-12-13
	26	TABLES AND METHOD OF SUPERELEVATION FOR TWO-WAY TRAFFIC	SE-2	10-18-96
	27	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	TC-1	12-15-11
_	28	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	TC-2	9-12-13
2	29	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	TC-3	10-15-09

GOVERNING SPECIFICATIONS

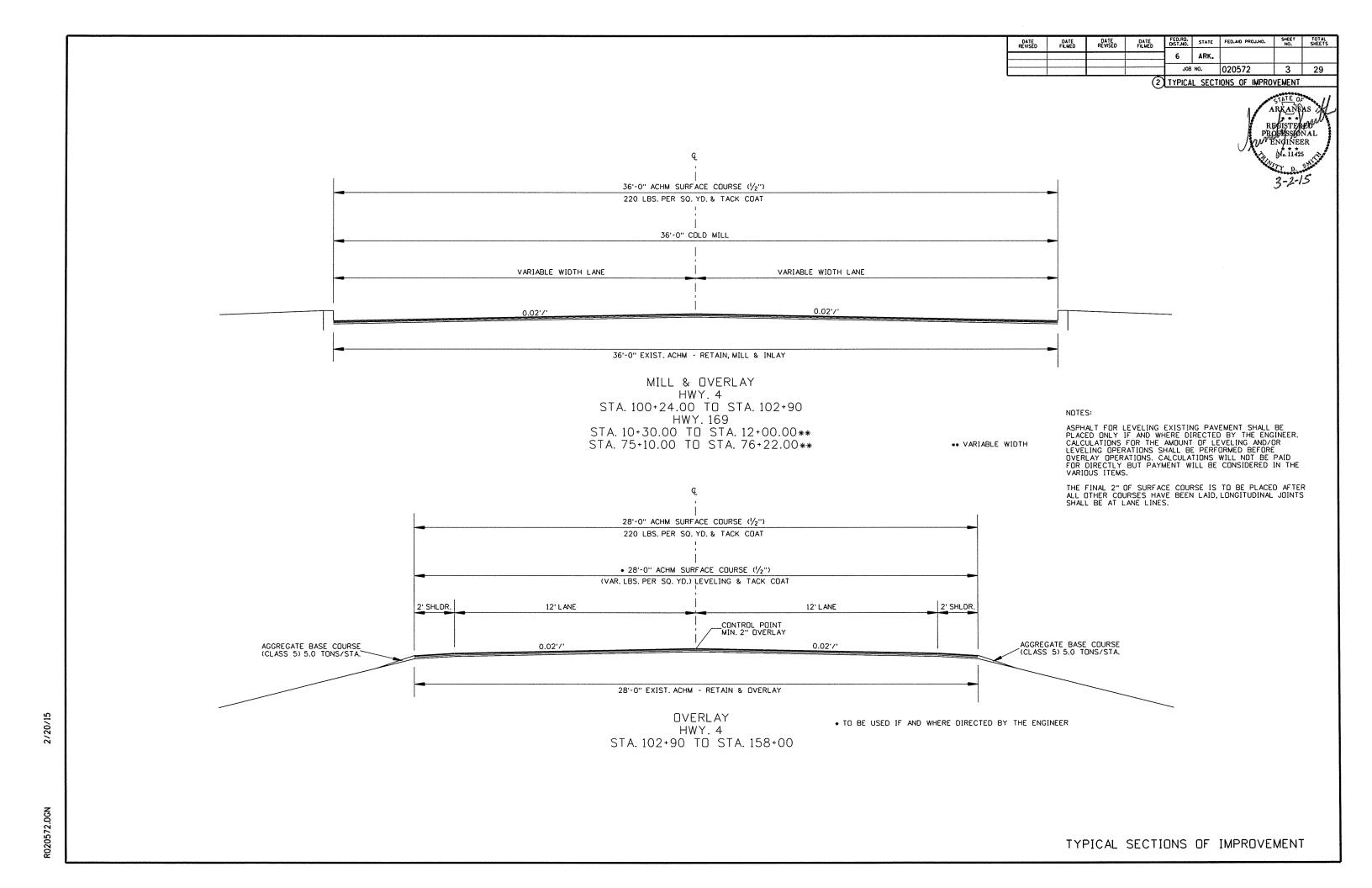
ARKANSAS STATE HIGHWAY COMMISSION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EDITION OF 2014, AND THE FOLLOWING SPECIAL PROVISIONS AND SUPPLEMENTAL SPECIFICATIONS:

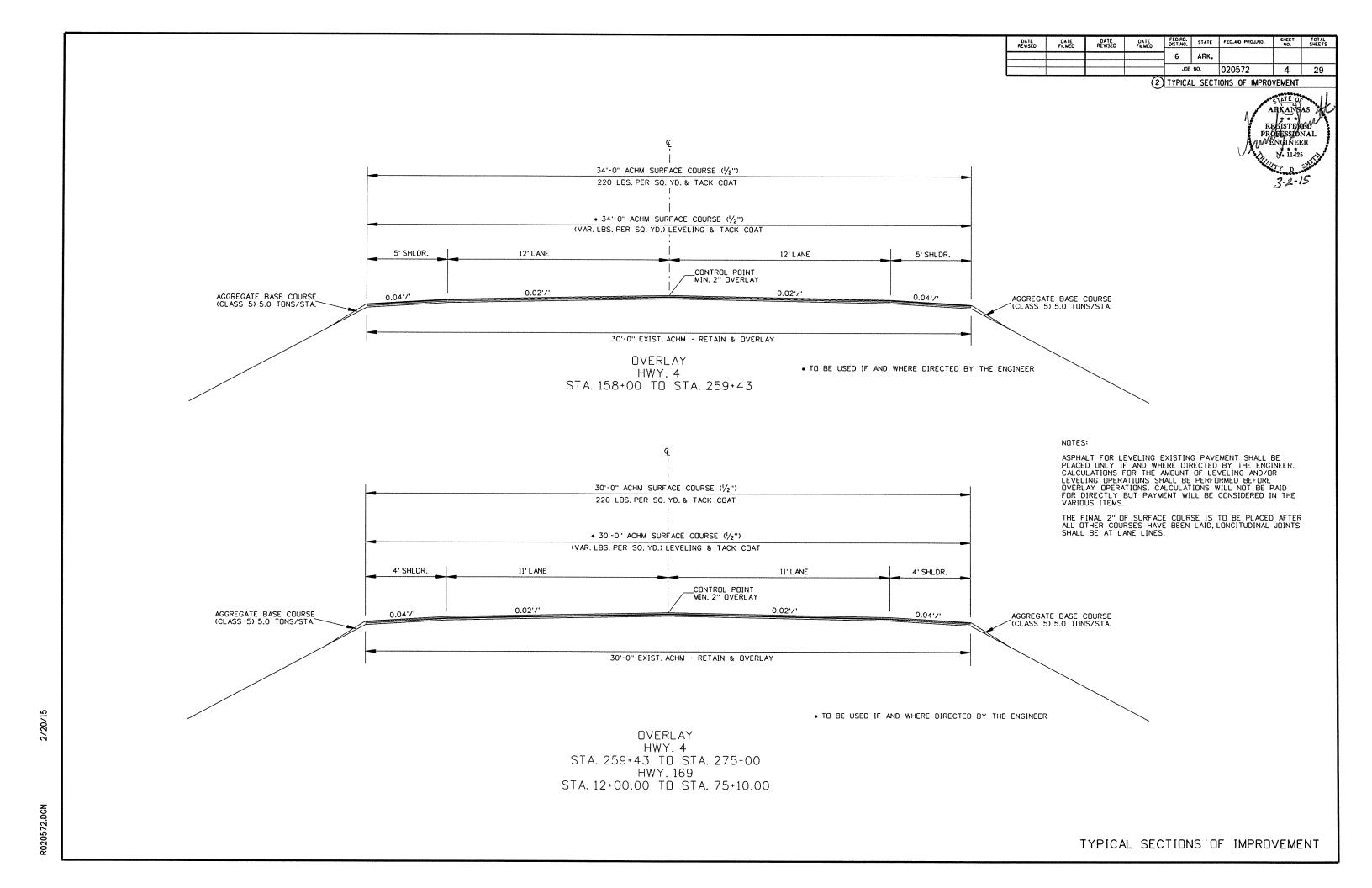
NUMBER TITLE

ERRATA FOR THE BOOK OF STANDARD SPECIFICATIONS FHWA-1273 REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS FHWA-1273 SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - NOTICE TO CONTRACTORS FHWA-1273 SUPPLEMENT - SPECIFIC EQUAL EMPLOYMENT OPPORTUNITY RESPONSIBILITIES (23 U.S.C. 140) FHWA-1273 SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - GOALS AND TIMETABLES FHWA-1273 SUPPLEMENT - POSTERS AND NOTICES REQUIRED FOR FEDERAL STANDARDS FHWA-1273 SUPPLEMENT - WAGE RATE DETERMINATION 108-1 LIQUIDATED DAMAGES 410-1 CONSTRUCTION REQUIREMENTS AND ACCEPTANCE OF ASPHALT CONCRETE PLANT MIX COURSES 604-1 RETROREFLECTIVE SHEETING FOR TRAFFIC CONTROL JOB 020572 BIDDING REQUIREMENTS AND CONDITIONS JOB 020572 CONSTRUCTION ON RAILROAD RIGHT-OF-WAY JOB 020572 DOCUMENTATION OF PAYMENTS MADE TO DISADVANTAGED BUSINESS ENTERPRISES JOB 020572 SUBMISSION OF ASPHALT CONCRETE HOT MIX ACCEPTANCE TEST RESULTS
JOB 020572 WARM MIX ASPHALT

GENERAL NOTES

- 1. ALL PIPE LINES, POWER, TELEPHONE, AND TELEGRAPH LINES TO BE MOVED OR LOWERED BY THE RESPECTIVE OWNERS AS PER AGREEMENT WITH SUCH OWNERS.
- ANY EQUIPMENT OR APPURTENANCE THAT INTERFERES WITH THE PROPOSED CONSTRUCTION AND WHICH MAY BE THE PROPERTY OF UTILITY SERVICE ORGANIZATIONS SHALL BE MOVED BY THE OWNERS UNLESS OTHERWISE PROVIDED.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING U. S. MAILBOXES WITHIN THE PROJECT LIMITS IN SUCH A MANNER THAT THE PUBLIC MAY RECEIVE CONTINUED MAIL SERVICE. PAYMENT WILL BE CONSIDERED INCLUDED IN THE PRICE BID FOR THE VARIOUS BID ITEMS.
- 4. ALL LAND MONUMENTS LOCATED WITHIN THE CONSTRUCTION AREA SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 107.12 OF THE STANDARD SPECIFICATIONS.
- 5. ALL TREES THAT DO NOT DIRECTLY INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE SPARED AS DIRECTED BY THE ENGINEER. CARE AND DISCRETION SHALL BE USED TO INSURE THAT ALL TREES NOT TO BE REMOVED SHALL BE HARMED AS LITTLE AS POSSIBLE DURING THE CONSTRUCTION OPERATIONS.
- 6. PREPARATORY WORK, SUCH AS CLIPPING THE GRASS AND DEBRIS FROM THE EDGE OF THE EXISTING ROADWAY, WILL NOT BE PAID FOR DIRECTLY BUT WILL BE CONSIDERED A PART OF THE OTHER ITEMS OF WORK. AFTER THE ROADWAY IS COMPLETED, THESE "CLIPPINGS" SHALL BE PULLED UP TO THE EDGE OF THE NEW PAVEMENT BY THE CONTRACTOR. NO DIRECT PAYMENT WILL BE MADE FOR THIS WORK.





DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB	NO.	020572	5	29

2 TYPICAL SECTIONS OF IMPROVEMENT

ARKANSAS

REGISTERED

PROJESSIONAL

PROJESSIONAL

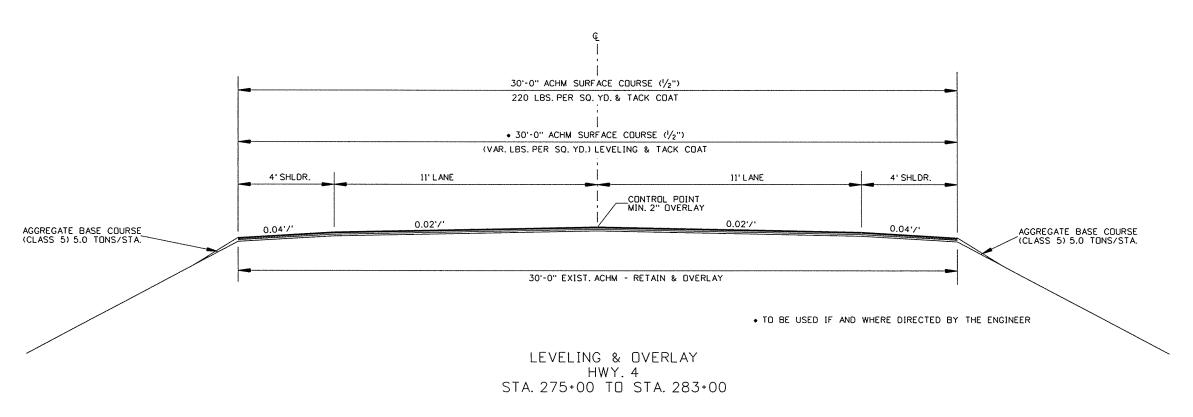
N. 11/25

3-2-15

NOTES:

ASPHALT FOR LEVELING EXISTING PAVEMENT SHALL BE PLACED ONLY IF AND WHERE DIRECTED BY THE ENGINEER. CALCULATIONS FOR THE AMOUNT OF LEVELING AND/OR LEVELING OPERATIONS SHALL BE PERFORMED BEFORE OVERLAY OPERATIONS. CALCULATIONS WILL NOT BE PAID FOR DIRECTLY BUT PAYMENT WILL BE CONSIDERED IN THE VARIOUS ITEMS.

THE FINAL 2" OF SURFACE COURSE IS TO BE PLACED AFTER ALL OTHER COURSES HAVE BEEN LAID, LONGITUDINAL JOINTS SHALL BE AT LANE LINES.

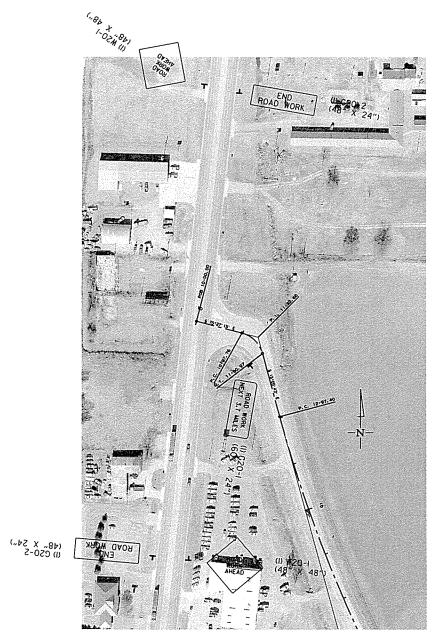


DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				J0B	NO.	020572	6	29

2 MAINTENANCE OF TRAFFIC







DO NOT PASS

(6) R4-I (24" X 30")

(6) R4-2 (24" X 30")

PASS WITH CARE

R4-1 & R4-2 SIGNS SHALL BE USED IF AND WHERE DIRECTED BY THE ENGINEER.

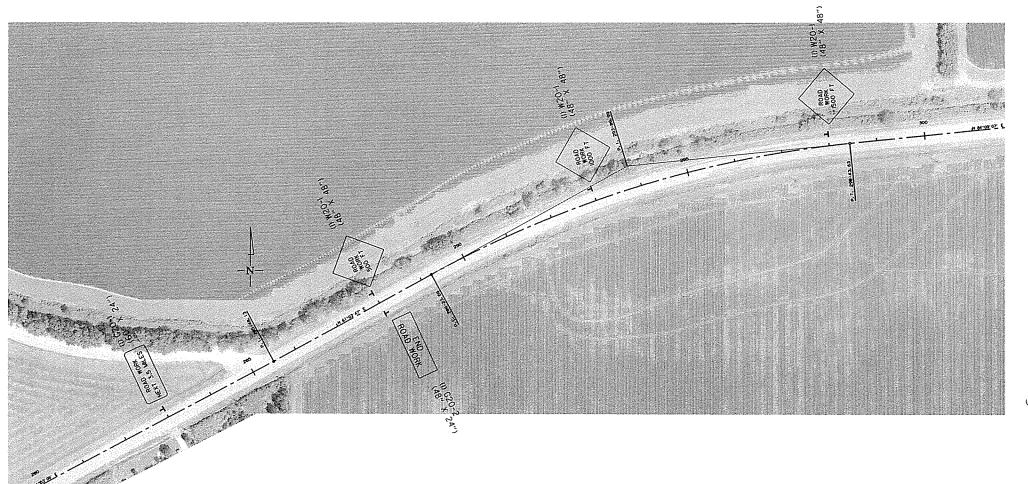
QUANTITIES: SIGNS . 230.0 SQ. FT.

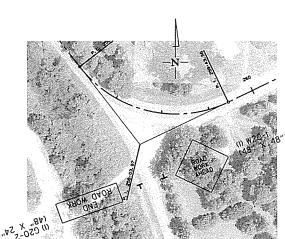
CONSTRUCTION PAVEMENT MARKINGS * 49936 LIN. FT.

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				J08	NO.	020572	7	29

2 MAINTENANCE OF TRAFFIC







DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RO. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB	NO.	020572	8	29

2 PERMANENT PAVEMENT MARKINGS

REDISTERED PRODUSSIONAL PROJECTS IN 11425

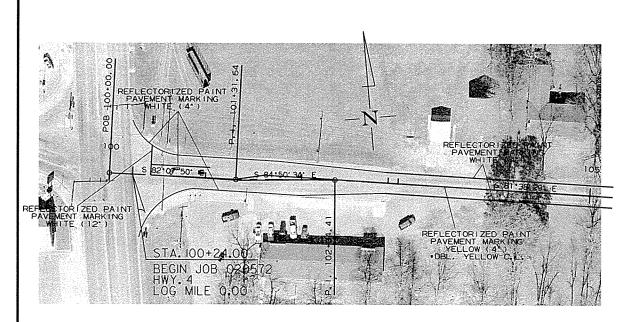
PERMANENT PAVEMENT MARKING QUANTITIES

HWY. 4

REFLECTORIZED PAINT PAVEMENT MARKING
4. WHITE = 36285 LIN. FT.
4. YELLOW = 36752 LIN. FT.
12. WHITE = 32 LIN. FT.
ARROW = 1 EACH
WORD = 1 EACH

HWY. 169
REFLECTORIZED PAVEMENT MARKING
4' WHITE = 12844 LIN. FT.
4' YELLOW = 13184 LIN. FT.
12' WHITE = 17 LIN. FT.

*THE 4" YELLOW STRIPING QUANTITY HAS BEEN ESTIMATED BASED ON A DOUBLE YELLOW CENTERLINE FOR THE ENTIRE PROJECT. THE PROJECT MUST BE MARKED FOR PASSING/NO PASSING ZONES PRIOR TO THE PLACEMENT OF ANY FINAL STRIPING. CONTACT THE MAINTENANCE DIVISION TO SCHEDULE THE ZONING OF THE PROJECT.



REFLECTORIZED PAINT PAVEMENT MARKING SWHITE (4°)

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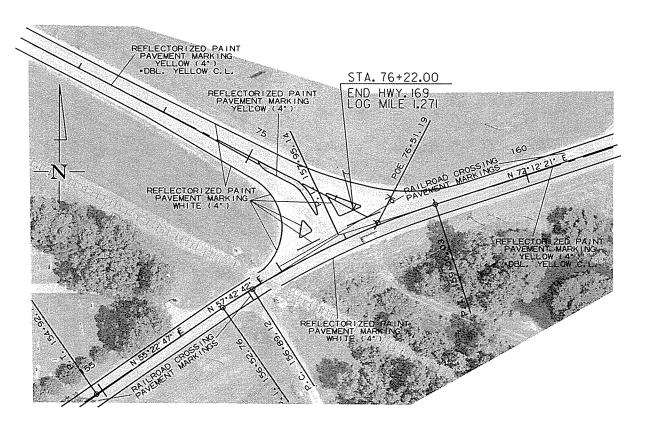
REFLECTORIZED PAINT PAVEMENT MARKING WHITE (4')

> REFLECTORIZED PAINT PAVEMENT MARKING YELLOW (4") *DBL, YELLOW C.L.

STA. 10+30.00

BEGIN HWY: 169 LOG MILE 0.70

REFLECTORIZED PAINT PAVEMENT MARKING WHITE (12°)



2/20/1

SOIL	LOG			
	DEPTH	LIQUID	PLASTICITY	AASHTO
	FEET	LIMIT	INDEX	CLASSIFICATI
	0-5	59	32	A-4(0)

STATION LATITUDE		JDE	LC	DNGIT	UDE	LOCATION	DEPTH	LIQUID	PLASTICITY	AASHTO	COLOR	
	DEG	MIN	SEC	DEG	MIN	SEC	200/111011	FEET	LIMIT	INDEX	CLASSIFICATION	OOLON
16+00	33	36	59.20	91	22	53.50	6' RT.	0-5	59	32	A-4(0)	GRAY
16+00	33	36	59.10	91	22	53.70	22' RT.	0-5	73	47	A-7-6(52)	GRAY
24+00	33	36	52.20	91	22	48.90	5' LT.	0-5	66	45	A-7-6(51)	GRAY
24+00	33	36	52.30	91	22	48.80	21' LT.	0-5	71	46	A-A-6(52)	GRAY
32+00	33	36	46.50	91	22	42.40	4' RT.	0-5	54	35	A-7-6(36)	GRAY
32+00	33	36	46.30	91	22	42.50	23' RT.	0-5	49	26	A-7-6(26)	GRAY
40+00	33	36	42.60	91	22	34.30	6' LT.	0-5	39	19	A-6(18)	BROWN
40+00	33	36	42.80	91	22	34.20	25' LT.	0-5	42	21	A-7-6(22)	BROWN
48+00	33	36	38.90	91	22	26.00	5' RT.	0-5	31	15	A-6(14)	BROWN
48+00	33	36	38.70	91	22	26.10	22' RT.	0-5	42	26	A-7-6(25)	BROWN
54+00	33	36	36.10	91	22	19.30	5' LT.	0-5	29	11	A-6(9)	BR/GR
54+00	33	36	36,20	91	22	19.10	21' LT.	0-5	42	23	A-7-6(23)	BROWN
62+00	33	36	32.40	91	22	11.20	5' RT.	0-5	32	14	A-6(13)	BROWN
62+00	33	36	32.30	91	22	11.30	23' RT.	0-5	38	19	A-6(19)	BROWN
70+00	33	36	28.90	91	22	2.90	5' LT.	0-5	26	6	A-4(5)	BROWN
70+00 110+00	33 33	36	29.10	91	22	2.80 48.40	25' LT.	0-5	28	8	A-4(7)	BROWN
110+00		36 36	37.00	91	22	48.30	5' LT.	0-5	ND	NP	A-4(0)	BROWN
118+00	33	36	37.10 34.30	91 91	22	39.20	16' LT.	0-5	ND	NP	A-4(0)	BROWN
118+00	33	36	34.10	91	22	39.30	5' RT.	0-5 0-5	ND	NP	A-4(0)	BROWN
126+00	33	36	30.90	91	22	30.40	18' RT. 6' LT.		ND	NP ND	A-4(0)	BROWN
126+00	33	36	31.00	91	22	30.40		0-5	ND	NP	A-4(0)	BROWN
134+00	33	36	27.10	91	22	22.50	18' LT. 5' RT.	0-5 0-5	ND ND	NP NP	A-4(0)	BROWN
134+00	33	36	27.10	91	22	22.50	19' RT.	0-5	ND ND	NP NP	A-4(0)	BROWN
142+00	33	36	24.10	91	22	13.80	19 K1. 5' LT.	0-5	ND ND	NP NP	A-4(0)	BROWN
142+00	33	36	24.10	91	22	13.70	18' LT.	0-5	ND ND	NP	A-4(0)	BROWN
150+00	33	36	22.30	91	22	4.90	5' RT.	0-5	ND	NP NP	A-4(0)	BROWN
150+00	33	36	22.10	91	22	4.90	22' RT.	0-5	ND	NP NP	A-4(0) A-4(0)	BROWN
158+00	33	36	25.70	91	21	56.20	5' LT.	0-5	ND	NP	A-4(0)	BROWN
166+00	33	36	27.00	91	21	46.60	6' RT.	0-5	ND	NP	A-4(0)	BROWN
166+00	33	36	27.00	91	21	46.60	15' RT.	0-5	23	4	A-4(1)	BROWN
166+00	33	36	26.90	91	21	46.60	25' RT.	0-5	28	10	A-4(6)	BROWN
174+00	33	36	23.90	91	21	39.50	6' LT.	0-5	ND ND	NP	A-4(0)	BROWN
174+00	33	36	23.90	91	21	39.40	14'LT.	0-5	ND	NP NP	A-4(0)	BROWN
174+00	33	36	24.00	91	21	39.30	25' RT.	0-5	22	5	A-4(3)	BROWN
181+00	33	36	20.40	91	21	32.10	5' RT.	0-5	ND	NP	A-4(0)	BROWN
181+00	33	36	20.30	91	21	32.20	14' RT.	0-5	23	4	A-4(1)	BROWN
181+00	33	36	20.20	91	21	32.10	27' RT.	0-5	25	5	A-4(3)	BROWN
190+00	33	36	18.20	91	21	24.60	6' LT.	0-5	ND	NP	A-4(0)	BROWN
190+00	33	36	18.30	91	21	24.60	14' LT.	0-5	25	6	A-4(3)	BROWN
190+00	33	36	18.40	91	21	24.50	25' LT.	0-5	23	3	A-4(1)	BROWN
198+00	33	36	12.50	91	21	14.10	6' RT.	0-5	ND	NP	A-4(0)	BROWN
198+00	33	36	12.40	91	21	14.10	14' RT.	0-5	ND	NP	A-4(0)	BROWN
198+00	33	36	12.30	91	21	14.10	25' RT.	0-5	ND	NP	A-4(0)	BROWN
206+00	33	36	10.70	91	_21_	5.20	6' LT.	0-5	ND	NP	A-4(0)	BROWN
206+00	33	36	10.80	91	21	5.10	14' LT.	0-5	ND	NP	A-4(0)	BROWN
206+00	33	36	10.90	91	21	5.10	25' LT.	0-5	ND	NP	A-4(0)	BROWN
214+00	33	36	8.70	91	20	56.20	6' RT.	0-5	ND	NP	A-4(0)	BROWN
214+00	33	36	8.60	91	20	56.20	14' RT.	0-5	22	3	A-4(1)	BROWN
214+00	33	36	8.50	91	20	56.20	25' RT.	0-5	22	3	A-4(1)	BROWN
222+00	33	36	9.40	91	20	46.80	6' LT.	0-5	ND	NP NP	A-4(0)	BROWN
222+00	33	36	9.50	91	20	46.80	15' LT.	0-5	22	3	A-4(1)	BROWN
222+00	33	36	9.60	91	20	46.80	27' LT.	0-5	ND	NP	A-4(0)	BROWN
230+00	33	36	10.40	91	20	37.60	6' RT.	0-5	ND	NP 10	A-4(0)	BROWN
230+00 230+00	33 33	36	10.30	91	20	37,60	14' RT.	0-5	25	10	A-4(6)	BROWN
230+00	33	36 36	10.10	91 91	20	37.60	27' RT.	0-5	31	16	A-6(11)	BROWN
238+00			10.50 10.50			28.10	6' LT.	0-5	ND 27	NP 0	A-4(0)	BROWN
238+00	33	36 36	10.50	91	20	28.10	14' LT.	0-5	27	9	A-4(6)	BROWN
246+00	33	36	7.10	91	20	28.00 19.50	34' LT. 6' RT.	0-5 0-5	23	5	A-4(3)	BROWN
246+00	33	36	7.10	91	20	19.50	14' RT.	0-5	22 26	9	A-4(2)	BROWN
246+00	33	36	7.00	91	20	19.60	24' RT.	0-5	26	9	A-4(7)	BROWN
254+00	33	36	2.80	91	20	11.80	6'LT.	0-5	ND ND	NP NP	A-4(5) A-4(0)	BROWN
254+00	33	36	2.90	91	20	11.70	14' LT.	0-5	ND	NP NP	A-4(0) A-4(0)	BROWN
254+00	33	36	2.90	91	20	11.60	23' LT.	0-5	ND	NP NP	A-4(0)	BROWN
262+00	33	36	1.40	91	20	3,70	6' RT.	0-5	28	11	A-6(9)	BROWN
262+00	33	36	1,40	91	20	3.60	14' RT.	0-5	39	25	A-6(21)	BROWN
262+00	33	36	1.30	91	20	3.50	29' RT.	0-5	40	24	A-6(23)	BROWN
270+00	33	36	5.80	91	19	56.20	5' LT.	0-5	58	38	A-7-6(36)	BROWN
270+00	33	36	5.90	91	19	56.20	13' LT.	0-5	52	35	A-7-6(51)	BROWN
270+00	33	36	6.00	91	19	56,30	28' LT.	0-5	80	51	A-7-6(51)	BROWN
278+00	33	36	9.60	91 .	19	47.50	5' RT.	0-5	61	36	A-7-6(35)	GRAY
278+00	33	36	9.50	91	19	47.50	14' RT.	0-5	65	36	A-7-6(39)	GRAY
278+00	33	36	9.40	91	19	47.40	27' RT.	0-5	69	35	A-7-6(39)	GRAY
286+00	33	36	13.30	91	19	39.60	5' LT.	0-5	73	51	A-7-6(52)	GRAY
286+00	33	36	13.40	91	19	39.70	14' LT.	0-5	71	48	A-7-6(41)	BROWN
286+00	33	36	13.50	91	19	39.80	26' LT.	0-5	85	57	A-7-6(62)	BROWN
]									
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SOIL CHARACTERISTICS TABULATED ABOVE ARE REPRESENTATIVE AT THE LOCATION
OF THE SAMPLE, AND FROM SURFACE INDICATIONS ARE TYPICAL FOR THE LIMITS
SHOWN. THESE DATA ARE SHOWN FOR INFORMATION ONLY. THE STATE WILL NOT
BE RESPONSIBLE FOR VARIATIONS IN THE SOIL CHARACTERISTICS AND/OR EXTENT
OF SAME DIFFERING FROM THE ABOVE TABULATIONS.
NO NON DI LOMO

NP - NON-PLASTIC ND - NOT DETERMINABLE

DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO. STATE		FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS			
				6	ARK.						
				J08 NO.		020572	9	29			
(2) QUANTITIES											

ADVANCE WARNING SIGNS

SIGN NUMBER	DESCRIPTION	SIGN SIZE	STAGE 1	MAXIMUM NUMBER REQUIRED	TOTAL SIGNS REQUIRED		
			LIN. FT EACH		NO. SQ.FT.		
W20-1	ROAD WORK 1500 FT.	48"x48"	1	1	1	16.0	
W20-1	ROAD WORK 1000 FT.	48"x48"	1	1	1	16.0	
W20-1	ROAD WORK 500 FT.	48"x48"	1	1	1	16.0	
W20-1	ROAD WORK AHEAD	48"x48"	6	6	6	96.0	
G20-2	END ROAD WORK	48"x24"	7	7	7	56.0	
G20-1	ROAD WORK NEXT xx MILES	60"x24"	3	3	3	30.0	
R4-1	DO NOT PASS	24"x30"	6	6	6	30.0	
R4-2	PASS WITH CARE	24"x30"	6	6	6	30.0	
OTAL:			I		l	290.0	

NOTE: THIS IS A LOW TRAFFIC VOLUME ROAD AS DEFINED IN SECTION 604.03, STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

CONSTRUCTION PAVEMENT MARKINGS AND PERMANENT PAVEMENT MARKINGS

DESCRIPTION	END OF JOB			RUCTION PAY MARKINGS	VEMENT		REFLECTO	ECTORIZED PAINT PAVEMENT MARKINGS			
		WORDS	ARROWS	RAILROAD	4	"	12"	WORDS	ARROWS	RAILROAD	
					EMBLEMS	WHITE	YELLOW	WHITE			EMBLEMS
	LIN. FT EACH	LIN. FT.		EACH			LIN. FT.			EACH	
CONSTRUCTION PAVEMENT MARKINGS	49936	49936						:			
CONSTRUCTION PAVEMENT MARKINGS (WORDS)	1		1								
CONSTRUCTION PAVEMENT MARKINGS (ARROWS)	1			1							
CONSTRUCTION PAVEMENT MARKINGS (RAILROAD EMBLEMS)	2				2						
REFLECTORIZED PAINT PAVEMENT MARKING WHITE (4")	49129					49129					
REFLECTORIZED PAINT PAVEMENT MARKING YELLOW (4")	49936						49936				
REFLECTORIZED PAINT PAVEMENT MARKING WHITE (12")	49							49			
REFLECTORIZED PAINT PAVEMENT MARKING (WORDS)	1								1		
REFLECTORIZED PAINT PAVEMENT MARKING (ARROWS)	1									1	
REFLECTORIZED PAINT PAVEMENT MARKING (RAILROAD EMBLEMS)	2										2
							l				
TOTALS:		49936	1	1	2	49129	49936	49	1	1	2

NOTE: THIS IS A LOW TRAFFIC VOLUME ROAD AS DEFINED IN SECTION 604.03, STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.

NOTE: THE 4" YELLOW STRIPING QUANTITY HAS BEEN ESTIMATED BASED ON A DOUBLE YELLOW CENTERLINE STRIPE FOR THE ENTIRE PROJECT.
THE PROJECT MUST BE MARKED FOR PASSING/NO PASSING ZONES PRIOR TO THE PLACEMENT OF ANY FINAL STRIPING.
CONTACT THE MAINTENANCE DIVISION AFTER THE FINAL LIFT OF SURFACE COURSE HAS BEEN PLACED TO SCHEDULE THE ZONING OF THE PROJECT.

FED.RD. STATE FED.AID PROJ.NO. DATE REVISED DATE REVISED DATE FILMED 6 ARK. JOB NO. 020572 10 29

2 OUANTITIES

ACHM PATCHING OF EXISTING ROADWAY

DESCRIPTION	TON
ENTIRE PROJECT - TO BE USED IF AND WHERE	200
DIRECTED BY THE ENGINEER	
TOTAL:	200

NOTE: QUANTITY ESTIMATED SEE SECTION 104.03 OF THE STD. SPECS.

LOOP WIRING

LIN. FT.
1050
1050
-

NOTE: LOOP WIRING IS TO REPLACE 2 - 6'x50' LOOPS ON WESTBOUND APPROACH AT HWY. 65 & HWY. 4. REFER TO STD. DRWG. SD-4.

COLD MILLING ASPHALT PAVEMENT

	STATION	STATION	LOCATION	AVG. WIDTH	COLD MILLING ASPHALT PAVEMENT
				FEET	SQ. YD.
٠ [100+24	102+90	HWY. 4	36	1064.00
**[102+90	103+90	HWY. 4	28	311.11
**[156+00	157+00	HWY. 4	28	311,11
**	157+10	159+10	HWY, 4	28	622.22
•	10+30	12+00	HWY, 169	VAR.	1217.14
**	12+00	13+00	HWY. 169	30	333,33
**[74+10	75+10	HWY. 169	30	333.33
٠ [75+10	76+22	HWY. 169	VAR.	918.59
	TOTAL:				5110.83

"NOTE: VARIABLE MILLING DEPTH. THE DEPTH OF MILLING SHALL BE AS DIRECTED BY THE ENGINEER.

MAILBOXES

	MAILDOALS						
	MAILBOXES	MAILBOX S	SUPPORTS				
LOCATION	WAILBOXES	(SINGLE)	(DOUBLE)				
	EACH						
ENTIRE PROJECT	6	2	2				
TOTALS:	6	2	2				
MOTE OUANTED CENTRAL TED							

NOTE: QUANTITY ESTIMATED. SEE SECTION 104.03 OF THE STD. SPECS.

BASE AND SURFACING

	I			AGGREGA	ATE BASE	AND 30		COAT		T	ACHM CI	IRFACE COU	DCE (4/0")	
OTATION	07471011		LENGTH	COURSE	(CLASS 5)		1701	COORT	γ		ACHIN 30	INFACE COU	KSE (1/2)	
STATION	STATION	LOCATION		TON / STATION	TON	AVG. WID.	SQ.YD.	GALLONS / SQ.YD.	GALLON	AVG. WID.	SQ.YD.	POUND /	PG 64-22	PG 70-22
	1	<u> </u>	FEET	STATION		FEET		SQ.YD.		FEET		SQ.YD.	TON	TON
HWY														
100+24.00	102+90.00		266.00			36.00	1064.00	0.10	106.40	36.00	1064.00	220.00		117,04
102+90.00	105+90.00		300.00	10.00	30.00	28.00	933.33	0.03	28.00	28.00	933.33	220.00		102.67
102+90.00		HWY, 4 - LEVELING	300.00			28.00	933.33	0.10	93.33	28.00	933.33	VAR.		51,33
105+90.00	158+00.00		5210.00	10.00	521.00	28.00	16208,89	0.03	486.27	28.00	16208.89	220.00	1782.98	
105+90.00		HWY. 4 - LEVELING	5210.00			28.00	16208.89	0.10	1620.89	28.00	16208,89	VAR.	891.49	
158+00.00	256+00.00		9800.00	10.00	980.00	34.00	37022.22	0.03	1110.67	34.00	37022.22	220.00	4072.44	
158+00.00		HWY. 4 - LEVELING	9800.00			34.00	37022.22	0.10	3702.22	34.00	37022.22	VAR.	2036.22	
256+00.00	259+43.00		343.00	10.00	34.30	34.00	1295.78	0.03	38.87	34.00	1295.78	220.00	142.54	
256+00.00		HWY. 4 - LEVELING	343.00			34.00	1295.78	0.10	129.58	34.00	1295.78	VAR.	71.27	
259+43.00	275+00.00		1557.00	10.00	155.70	30.00	5190.00	0.03	155,70	30.00	5190,00	220.00	570,90	
259+43.00		HWY. 4 - LEVELING	1557.00			30.00	5190.00	0.10	519.00	30.00	5190.00	VAR.	285,45	
275+00.00	283+00.00		800.00	10.00	80.00	30.00	2666.67	0.03	80.00	30.00	2666,67	220.00	293.33	
275+00.00	283+00.00	HWY. 4 - LEVELING	800.00			30.00	2666.67	0.10	266.67	30.00	2666.67	VAR.	293.33	

HWY														
10+30.00		HWY. 169	170.00			VAR.	1217.14	0.10	121.71	VAR.	1217.14	220.00		133,89
12+00.00		HWY, 169	300.00	10.00	30.00	30.00	1000.00	0.03	30.00	30.00	1000.00	220.00		110.00
12+00.00		HWY, 169 - LEVELING	300.00			30.00	1000.00	0.10	100.00	30.00	1000.00	VAR.		55.00
15+00.00		HWY, 169	5425.00	10.00	542.50	30.00	18083.33	0.03	542.50	30.00	18083.33	220.00	1989,17	
15+00.00		HWY. 169 - LEVELING	5425.00			30.00	18083.33	0.10	1808.33	30.00	18083,33	VAR.	994,58	***************************************
69+25.00		HWY. 169	300.00	10.00	30.00	30.00	1000.00	0.03	30.00	30.00	1000.00	220.00		110.00
69+25.00		HWY. 169 - LEVELING	300.00			30.00	1000.00	0.10	100.00	30.00	1000.00	VAR.		55.00
72+25.00		HWY. 169	285.00	10.00	28.50	VAR.	1161.85	0.03	34.86	VAR.	1161,85	220.00	1	127.80
72+25.00	75+10.00	HWY. 169 - LEVELING	285.00			VAR.	1161,85	0.10	116.19	VAR.	1161.85	VAR.		63.90
75+10.00	76+22.00	HWY. 169	112.00			VAR.	918.59	0.10	91.86	VAR.	918.59	220.00		101.04

TOTALS:	Than TC.				2432.00		172323.87		11313.05		172323.87		13423.70	1027.67

BASIS OF ESTIMATE:

NOTE: OVERLAY SHALL BE PLACED WITHIN 10 CALENDAR DAYS AFTER THE EXISTING PAVEMENT HAS BEEN COLD MILLED.

* LEVELING TO BE PLACED IF AND WHERE DIRECTED BY THE ENGINEER. SEE SECTION 104.03 OF THE STD. SPECS.

	DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RO. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
					6	ARK.	İ		
ı					JOB	NO.	020572	11	29

2 SUMMARY OF QUANTITIES AND REVISIONS

REGISTURED PROJECT No. 11425

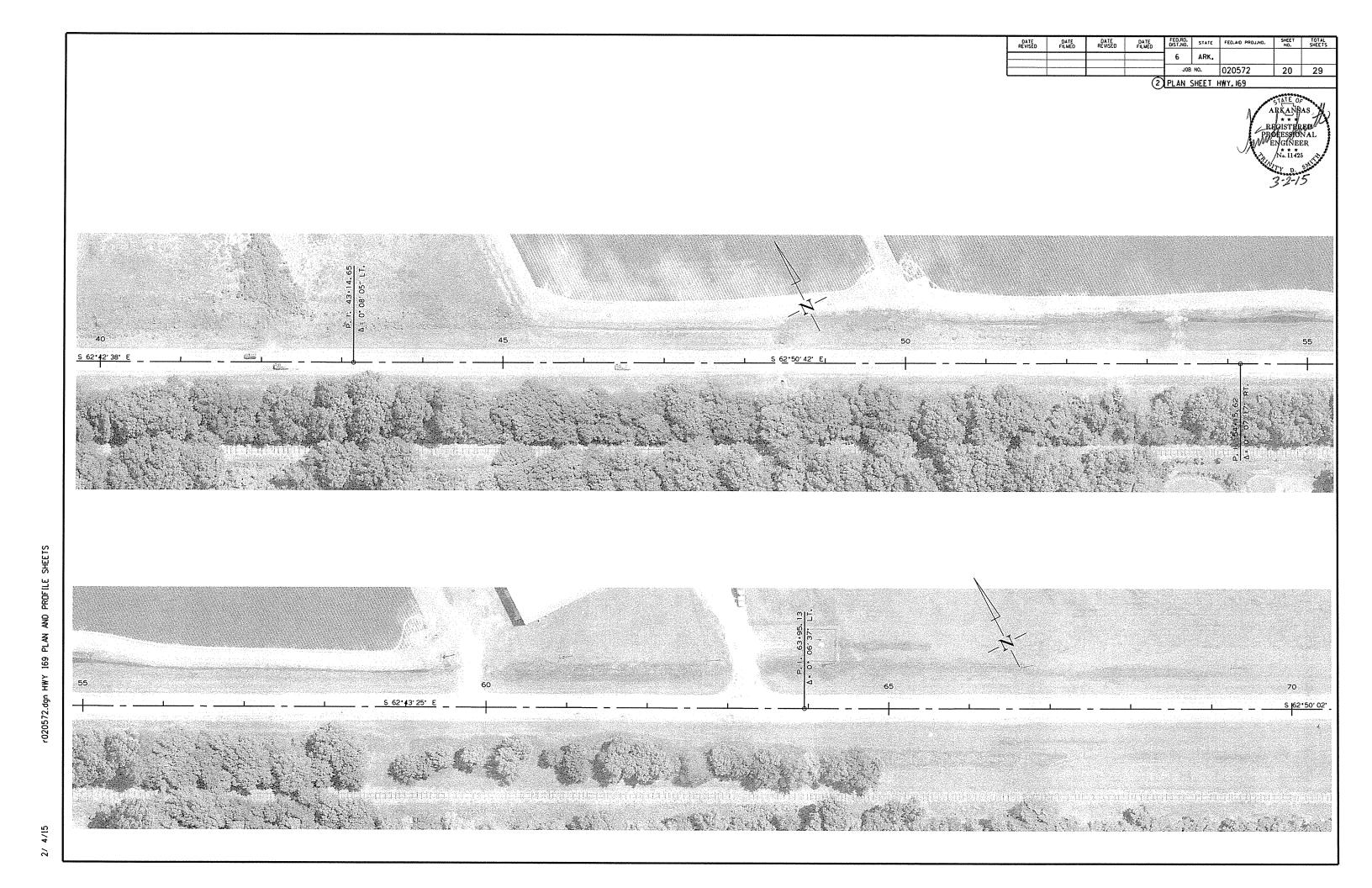
SUMMARY OF QUANTITIES

ITEM NUMBER	ITEM	QUANTITY	UNIT
303	AGGREGATE BASE COURSE (CLASS 5)	2432	TON
401	TACK COAT	11313	GAL.
SP, SS, & 407	MINERAL AGGREGATE IN ACHM SURFACE COURSE (1/2")	13700	TON
SP, SS, & 407	ASPHALT BINDER (PG 64-22) IN ACHM SURFACE COURSE (1/2")	698	TON
SP, SS, & 407	ASPHALT BINDER (PG 70-22) IN ACHM SURFACE COURSE (1/2")	53	TON
412	COLD MILLING ASPHALT PAVEMENT	5111	SQ. YD.
SP & 415	ACHM PATCHING OF EXISTING ROADWAY	200	TON
601	MOBILIZATION	1.00	LUMP SUM
603	MAINTENANCE OF TRAFFIC	1.00	LUMP SUM
SS & 604	SIGNS	290	SQ. FT.
604	CONSTRUCTION PAVEMENT MARKINGS	49936	LIN. FT.
604	CONSTRUCTION PAVEMENT MARKINGS (WORDS)	1	EACH
604	CONSTRUCTION PAVEMENT MARKINGS (ARROWS)	1	EACH
604	CONSTRUCTION PAVEMENT MARKINGS (RAILROAD EMBLEMS)	2	EACH
635	ROADWAY CONSTRUCTION CONTROL	1.00	LUMP SUM
637	MAILBOXES	6	EACH
637	MAILBOX SUPPORTS (SINGLE)	2	EACH
637	MAILBOX SUPPORTS (DOUBLE)	2	EACH
718	REFLECTORIZED PAINT PAVEMENT MARKING WHITE (4")	49129	LIN. FT.
718	REFLECTORIZED PAINT PAVEMENT MARKING WHITE (12")	49	LIN. FT.
718	REFLECTORIZED PAINT PAVEMENT MARKING YELLOW (4")	49936	LIN. FT.
718	REFLECTORIZED PAINT PAVEMENT MARKING (WORDS)	1	EACH
718	REFLECTORIZED PAINT PAVEMENT MARKING (ARROWS)	1	EACH
718	REFLECTORIZED PAINT PAVEMENT MARKING (RAILROAD EMBLEMS)	2	EACH
SP	LOOP WIRING CLASS III (1C/16 A.W.G.)	1050	LIN. FT.

REVISIONS

DATE	REVISION	SHEET NUMBER



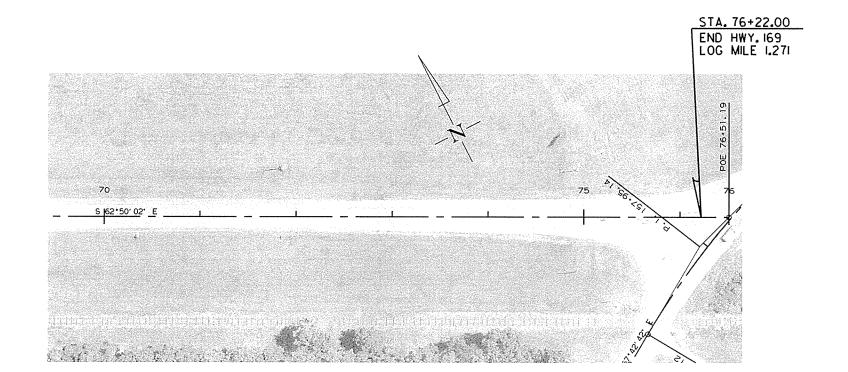


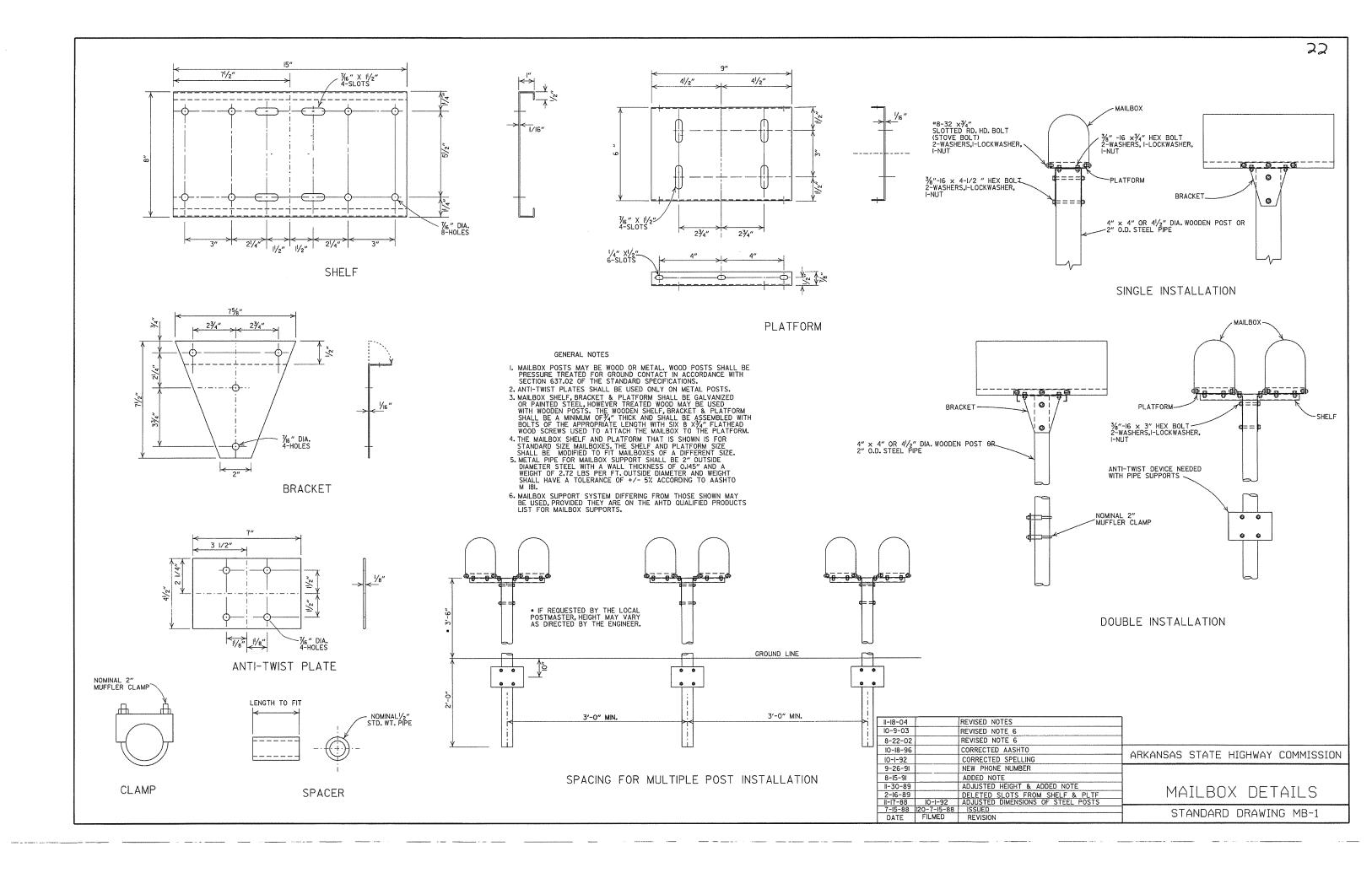
4/15	
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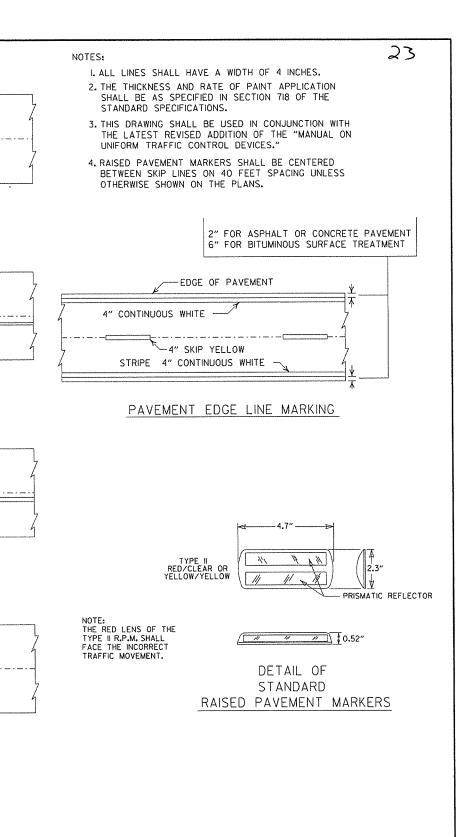
 DATE REVISED	DATE FILMED	DATE REVISED	DATE FILMED	FED.RD. DIST.NO.	STATE	FED.AID PROJ.NO.	SHEET NO.	TOTAL SHEETS
				6	ARK.			
				JOB	NO.	020572	21	29

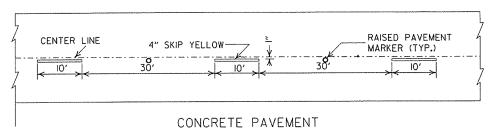
2 PLAN SHEET HWY. 169

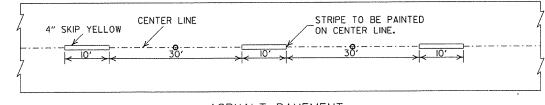






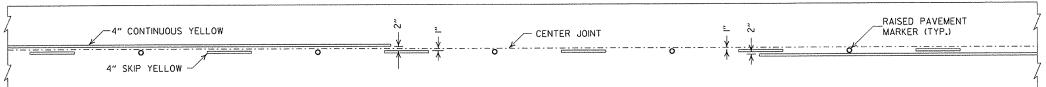






ASPHALT PAVEMENT

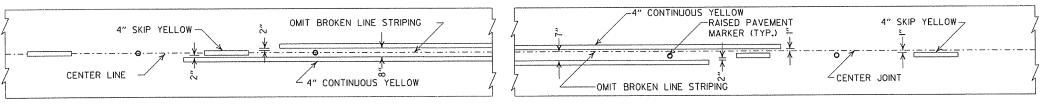
BROKEN LINE STRIPING



SOLID LINE STRIPING ON CONCRETE PAVEMENT



SOLID LINE STRIPING ON ASPHALT PAVEMENT



ASPHALT PAVEMENT

CONCRETE PAVEMENT

GENERAL NOTES:

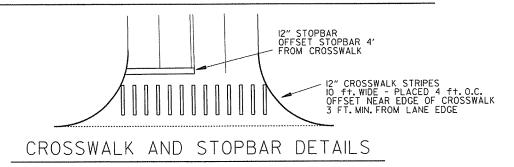
THIS DRAWING SHOULD BE CONSIDERED AS TYPICAL ONLY AND THE FINAL LOCATION OF THE STRIPING AND RAISED PAVEMENT MARKERS SHALL BE DETERMINED BY THE ENGINEER.

THIS DRAWING SHOULD BE USED IN CONJUNCTION WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST REVISION.

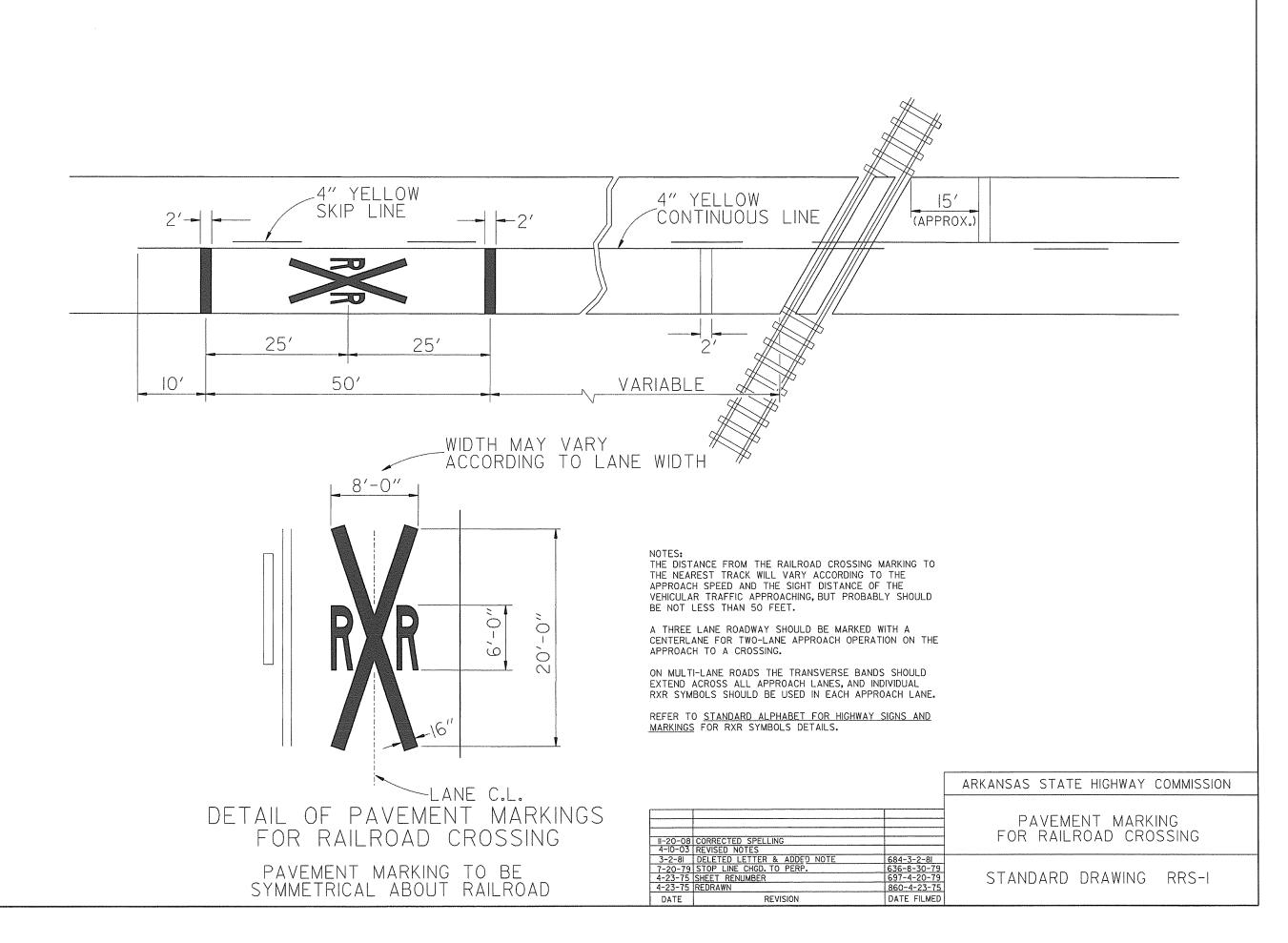
NOTE:

DIMENSIONS SHOWN FOR RAISED PAVEMENT MARKERS ARE TYPICAL. THE CONTRACTOR MAY SUBSTITUTE SIMILAR MARKERS WITH THE APPROVAL OF THE ENGINEER. REQUESTING APPROVAL FOR SIMILAR MARKERS MAY BE MADE BY REFERRING TO THE AHTD QUALIFIED PRODUCTS LIST.

STRIPING AT ADJACENT NO PASSING LANES



	REVISED DETAIL OF STANDARD RAISED PAVEMENT MARKERS		ARKANSAS STATE HIGHWAY COMMISSION		
	REVISED GENERAL NOTES & REMOVED PLOWABLE PVMT MRKRS				
11-18-04	REVISED NOTE 2 & GENERAL NOTES		DAVENENT MADICING DETAIL O		
8-22-02	ADDED CROSSWALK & STOPBAR DTLS.		PAVEMENT MARKING DETAILS		
	ADDED DETAILS OF STD. RAISED PAV'T. MARKERS				
4-26-96	REV. NOTES 3&4; ADDED R.P.M.				
9-30-80	DRAWN	1-9-30-80	STANDARD DRAWING PM-1		
DATE	REVISION	FILMED	2 LHIADHIA DIVAMINA LIJI		



LOOP DETECTOR INSTALLATION AND TESTING

QUADRUPOLE LOOP

TWO TURNS

(2-4-2 CONFIGURATION)

TEMPORARY JUMPER

TEMPORARY

GROUND FOR

EARTH

TUBE TO JACKET)

(SEAL END OF JACKET)

(PREFORMS: SEAL FROM

X - DISCONNECT IF TESTS IQ 20 & 30 FAIL

FOR FEEDER TEST

NOTE: PULL BOX COVERS SHALL BE NON-METALLIC AND NON-CONDUCTIVE.

- CONDUIT

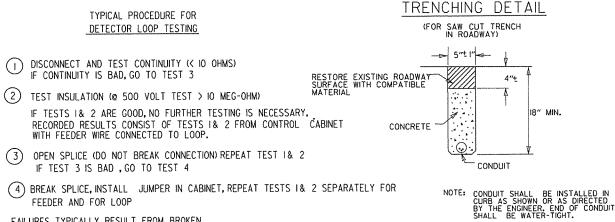
SECTION A-A

ROADWAY SURFACE

LOOP DETECTOR WIRE

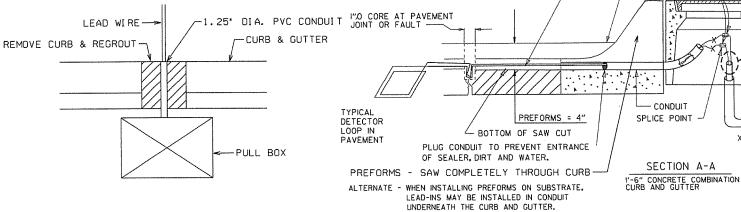
NOTES:

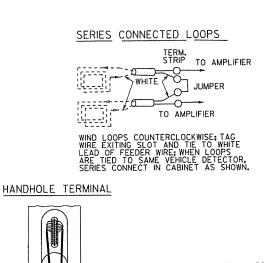
- LOOPS WITH A PERIMETER GREATER THAN 40' SHALL HAVE TWO TURNS, LOOPS WITH A PERIMETER LESS THAN OR EQUAL TO 40' SHALL HAVE THREE TURNS, UNLESS OTHERWISE NOTED ON THE PLANS, QUADRUPOLE LOOPS SHALL BE TWO TURNS (2-4-2 CONFIGURATION) UNLESS OTHERWISE NOTED.
- LOOP AND FEEDER WIRE SHALL BE CONTINUOUS WITHOUT SPLICES EXCEPT AT THE LOOP/FEEDER WIRE SPLICE AS SHOWN. SPLICE SHALL BE ROSIN SOLDERED AND WATERPROOFED WITHAN ACCEPTED SPLICE KIT. DRAIN WIRE SHALL BE GROUNDED IN CABINET AND INSULATED AT LOOP TO FEEDER SPLICE.
- THE LOOP TO FEEDER SPLICE, FEEDER JACKET AND JACKET OF LOOP WIRE IN DUCT SHALL BE COMPLETELY SEALED AND WATERPROOFED.
- CONTRACTOR MAY MAKE CONNECTIONS TO SIGNAL CABLE AND LOOP TO FEEDER CONNECTION AT TERMINAL STRIPS MOUNTED TO POLE INSIDE HAND HOLD COVER AS SHOWN IN DETAIL. TERMINALS MUST BE EASILY ACCESSIBLE, BUT PROTECTED AGAINST ACCIDENTAL CONTACT. CONNECTION OF POWER CARRYING CIRCUITS MUST BE SEPARATED FROM LOOP OR LOGIC CIRCUITS. ALL CONNECTIONS TO TERMINAL STRIPS SHALL UTILIZE SPADE LUGS OR AS APPROVED BY THE ENGINEER.
- EACH LOOP SHALL HAVE A SEPARATE "FEEDER WIRE" UNLESS OTHERWISE NOTED. ALL FEEDER WIRES SHALL BE LABELED AS TO LOOP NUMBER AS DESIGNATED ON THE PLANS.
- ALL LOOP WIRE ENTERING PULL BOXES SHALL BE ENCLOSED IN CONDUIT. EACH LOOP WIRE SHALL ENTER PULL BOX OR POLE BASE THROUGH A SEPARATE PIECE OF ONE INCH ("O) CONDUIT.
- LOOP WIRE FROM LOOP TO CONDUIT IS NOT TWISTED. LOOP WIRE IN THE CONDUIT MUST BE TWISTED TWO TO FIVE TURNS PER FOOT.
- WARRANTY PERIOD FOR LOOPS SHALL NOT COMMENCE UNTIL TESTED BY THE CONTRACTOR AND ACCEPTED BY THE ENGINEER. CONTRACTOR SHALL PERFORM TEST AND PROVIDE A RECORD TO THE ENGINEER AS LISTED IN THE DETECTOR LOOP TESTING PROCEDURE.
- UNLESS OTHERWISE APPROVED BY THE ENGINEER, BACKER ROD SHALL BE INSTALLED IN SHORT SECTIONS SPACED NOT MORE THAN 18" APART AND WEDGED INTO SLOT TO HOLD CABLE IN PLACE. CABLE SHALL BE TOTALLY ENCAPSULATED IN SEALER.
- "HOT POUR" SEALER SHALL NOT BE ALLOWED WITH 705-LOOP WIRING IN DUCT.
- WHERE UNDERGROUND SPLICES OF SIGNAL CABLE ARE REQUIRED, CONNECTIONS SHALL BE SOLDERED AND COMPLETELY WATERPROOFED TO THE SATISFACTION OF THE ENGINEER. WATERPROOFING SHALL EXTEND A MINIMUM OF TWO INCHES PAST THE SIGNAL CABLE JACKET AND SHALL COMPLETELY COVER ALL INDIVIDUAL CONDUCTORS OF THE SIGNAL CABLE. WATERPROOFING DOES NOT APPLY TO CONNECTIONS MADE IN POLE BASES.
- CONTRACTOR SHALL CONNECT A SEPARATE NEUTRAL FOR EACH LOAD SWITCH REPRESENTED ON EACH SIGNAL POLE, ONLY ONE NEUTRAL IS REQUIRED FOR PEDESTRIAN SIGNALS. A SEPARATE 5C (TYPICAL) IS PROVIDED FOR PEDESTRIAN PUSH BUTTONS.
- TRAFFIC CONTROLLER CABINET AND LAYOUT SHALL BE SUCH THAT IT IS NOT NECESSARY TO SHUT DOWN POWER OR REMOVE LOAD SWITCHES IN ORDER TO EASILY TEST OR MODIFY DETECTOR INPUTS TO CONTROLLER. CONTROLLER CABINET SHALL BE WIRED SUCH POWER TO LOAD SWITCHES CANNOT BACKFEED TO LOAD SWITCH POWER BUSS DURING FLASH OPERATION.



(4) BREAK SPLICE, INSTALL JUMPER IN CABINET, REPEAT TESTS 1 & 2 SEPARATELY FOR FEEDER AND FOR LOOP

FAILURES TYPICALLY RESULT FROM BROKEN WIRE IN PAVEMENT, FAULTY INSULATION OF LOOP OR FEEDER WIRE, OR POORLY INSULATED SPLICE CONNECTION.





TO DETECTOR

DRAIN WIRE

(SHIELD)

FRMINAL

STRIP 0 00

SPECIAL NOTE

IF FEEDER WIRE JACKET IS LEFT UNSEALED

CONTRACTOR WILL BE REQUIRED TO REPLACE

AND WATER IS ALLOWED TO ENTER JACKET,

FEEDER AT NO COST TO THE DEPARTMENT.

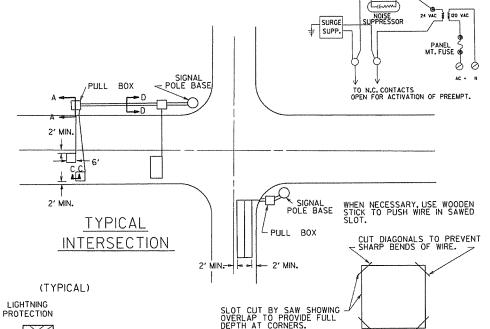
FARTH

GROUND BUSS

#8 SOLID (MIN.)

CABINET GROUND

000



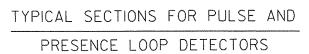
TEST SWITCH

TEST

N.O.

RELAY ON

OCTAL MT. BASE



TRAFFIC SIGNAL PRE-EMPTION INTERFACE

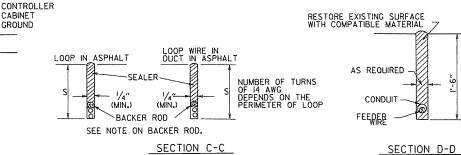
WIRING DIAGRAM

TO CONTROLLER

NOTE: SYSTEM IS WIRED "FAIL-SAFE"

RELAY (SHOWN IN DE-ENERGIZED POSITION)

REMAINS ENERGIZED FOR NORMAL OPERATION.

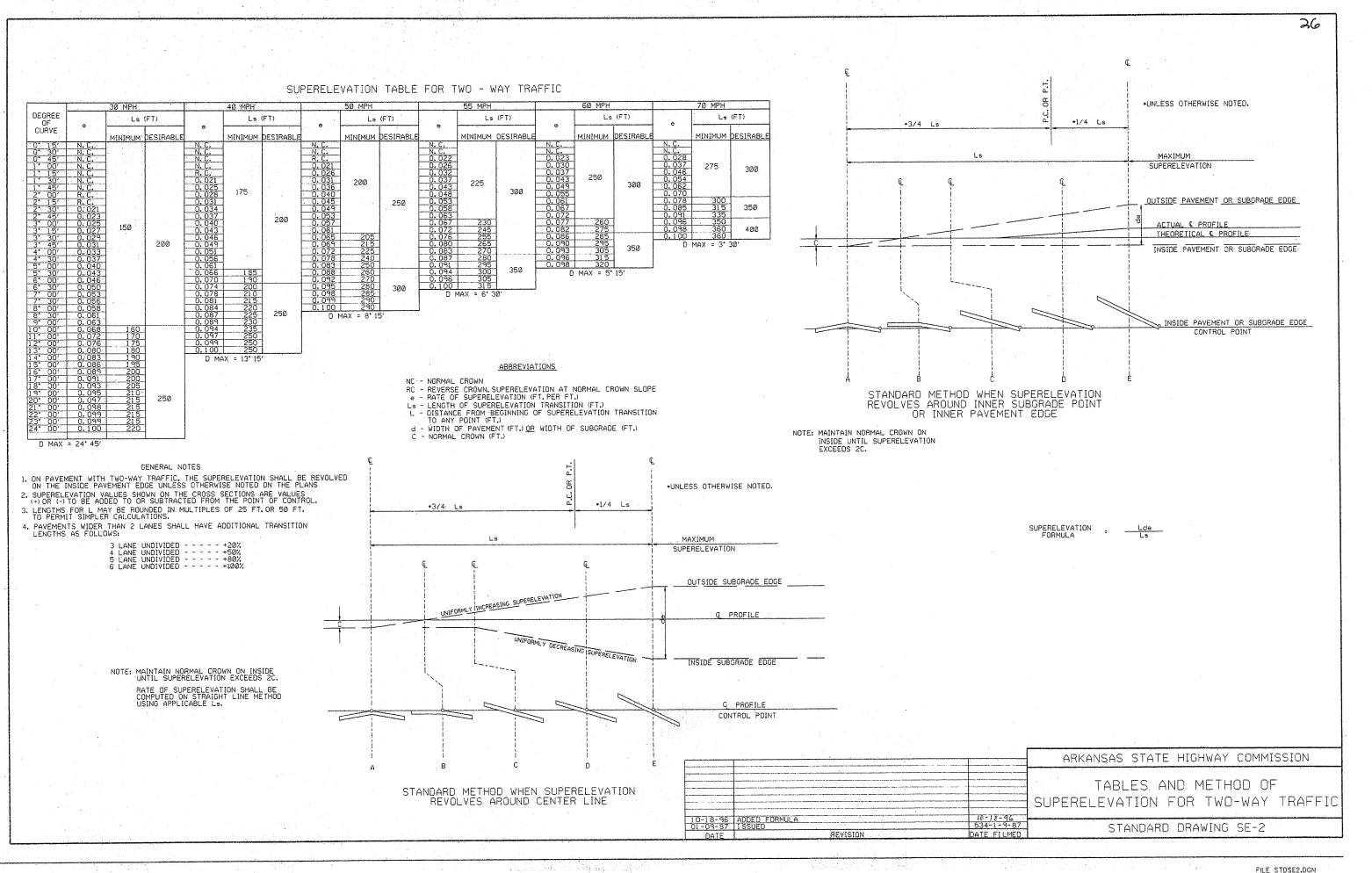


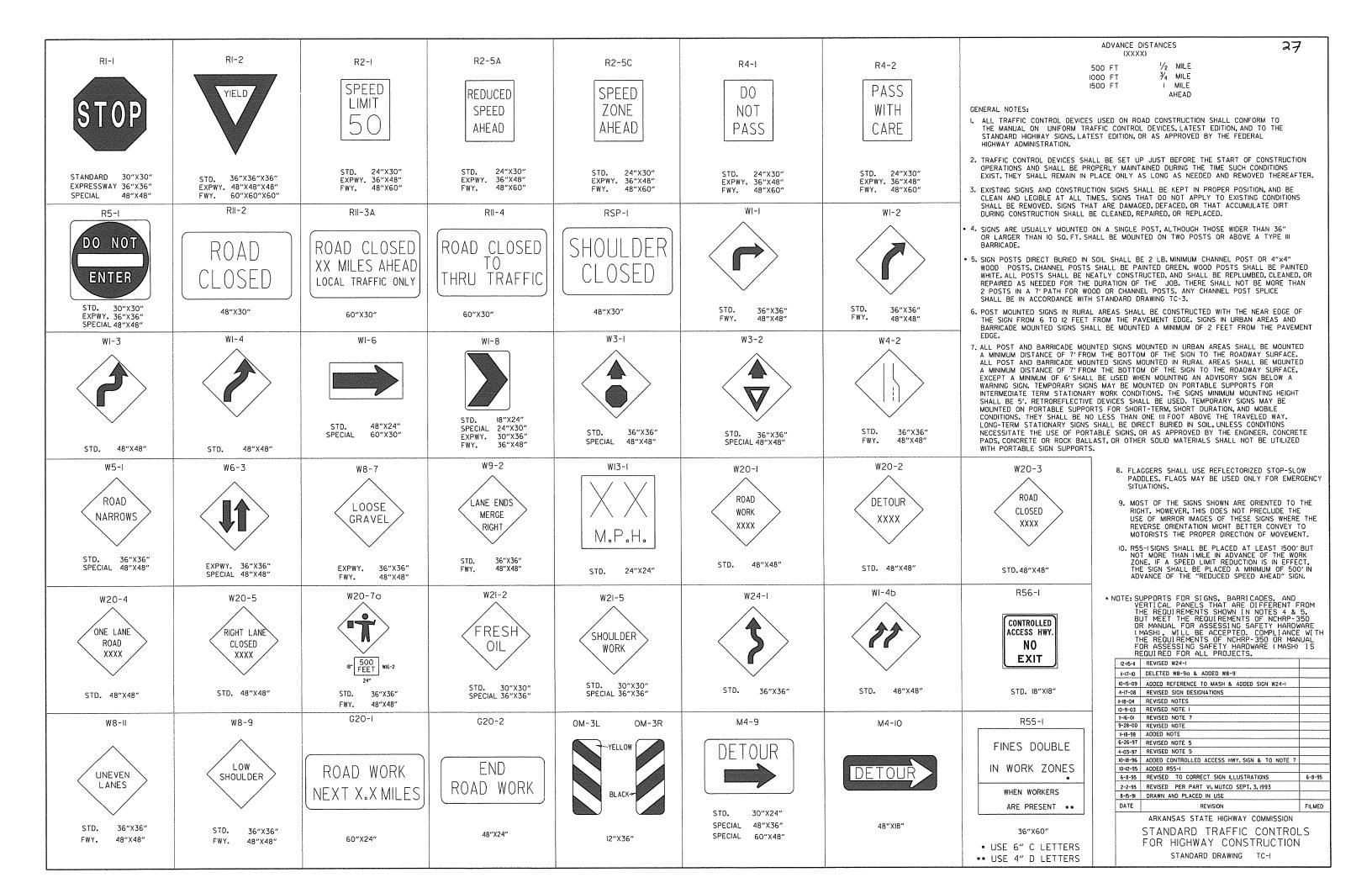
SECTION C-C S=2 1/2" IN ASPHALT S=1 1/2" IN CONCRETE

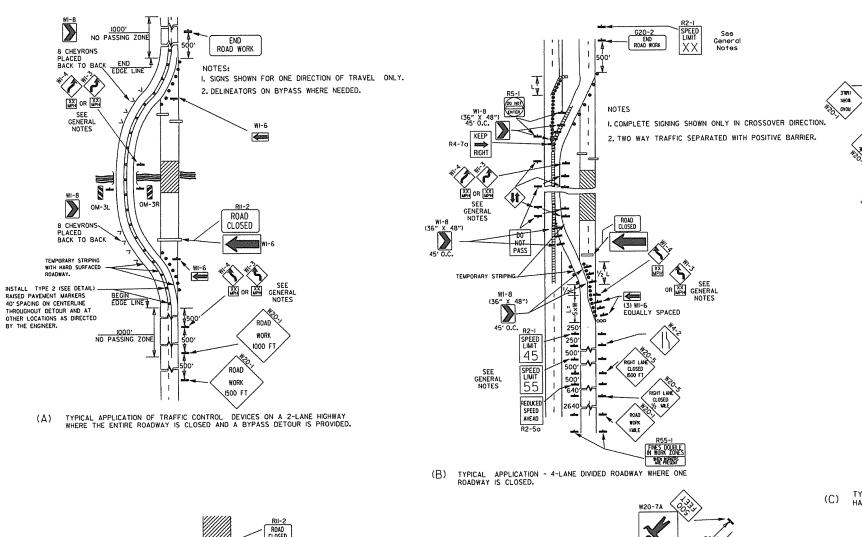
ARKANSAS STATE HIGHWAY COMMISSION LOOP DETECTOR INSTALLATION II-I8-98 REVISED NOTES II-2I-95 ISSUED STANDARD DRAWING SD-4 DATE REVISION DATE FILM

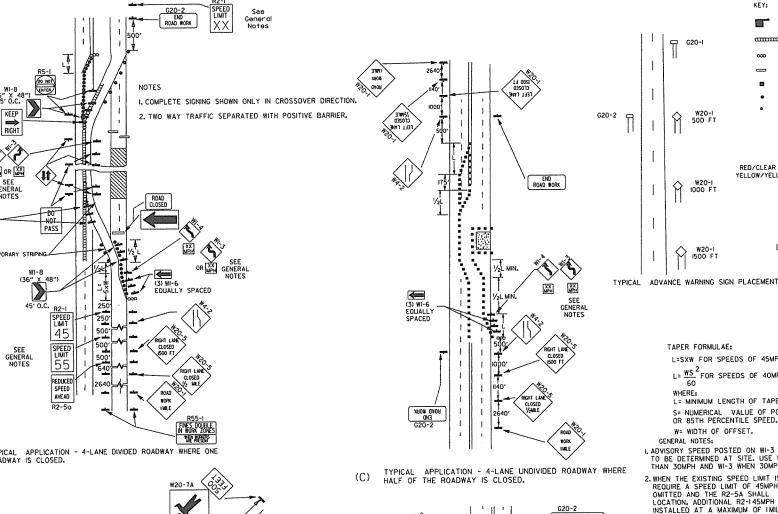
LOOP IN ASPHALT

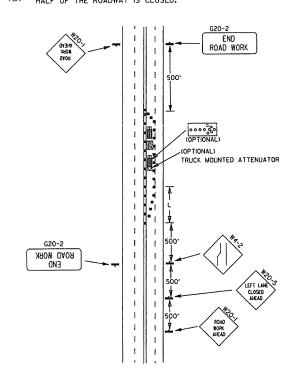
9-12-13 ISSUED AS STANDARD DRAWING 5-17-01 REVISED 4-II-OI REVISED 2-4-00 REVISED PRE-EMPTION TEST SWITCH











(F) TYPICAL APPLICATION - 4-LANE UNDIVIDED ROADWAY WITH INSIDE LANE CLOSED.

TAPER FORMULAE:

1000 FT

₩20-I I500 FT

L=SXW FOR SPEEDS OF 45MPH OR MORE.

KEY:

RED/CLEAR OF YELLOW/YELLOW FLAGGER

POSITIVE BARRIER

TYPE TE BARRICADE CHANNELIZING DEVICE

TRAFFIC DRUM

ARROW PANEL (IF REQUIRED)

RAISED PAVEMENT MARKER

DETAIL OF RAISED PAVEMENT MARKERS

PRISMATIC

0.52"

 $L=\frac{WS}{60}^2$ FOR SPEEDS OF 40MPH OR LESS.

WHERE:

L= MINIMUM LENGTH OF TAPER.

S= NUMERICAL VALUE OF POSTED SPEED LIMIT PRIOR TO WORK OR 85TH PERCENTILE SPEED.

W= WIDTH OF OFFSET. GENERAL NOTES:

I. ADVISORY SPEED POSTED ON WI-3 OR WI-4 CURVE WARNING SIGNS TO BE DETERMINED AT SITE. USE WI-4 WHEN SPEED IS GREATER THAN 30MPH AND WI-3 WHEN 30MPH OR LESS.

THAN 30MPH AND WI-3 WHEN 30MPH OR LESS.

2. WHEN THE EXISTING SPEED LIMIT IS 55MPH AND THE PLANS REQUIRE A SPEED LIMIT OF 45MPH, THE R2-(155) SHALL BE OMITTED AND THE R2-5A SHALL BE INSTALLED AT THAT LOCATION, ADDITIONAL R2-145MPH SPEED LIMIT SIGNS SHALL BE INSTALLED AT A MAXIMUM OF IMILE INTERVALS.

AT THE END OF THE WORK AREA A R2-IXXX)
SHALL BE INSTALLED TO MATCH ORIGINAL SPEED LIMIT.

3. WHEN THE EXISTING SPEED LIMIT IS 65MPH AND THE PLANS REQUIRE A SPEED LIMIT OF SOMPH, THE R2-IX4S) SHALL BE INSTALLED ADDITIONAL R2-155MPH SPEED LIMIT SIGNS SHALL BE INSTALLED ADDITIONAL R2-155MPH SPEED LIMIT SIGNS SHALL BE INSTALLED AT A MAXIMUM OF IMILE INTERVALS, AT THE END OF THE WORK AREA A R2-IXXX) SHALL BE INSTALLED TO MATCH ORIGINAL SPEED LIMIT.

4. THE MAXIMUM SPACING BETWEEN CHANNELIZING DEVICES IN A TAPER SHOULD BE APPROXIMATELY EQUAL IN FEET TO THE SPEED LIMIT.

BEYOND THE TAPER, MAXIMUM SPACING SHALL BE TWO THE SPEED LIMIT.

THE SPEED LIMIT, OR AS DIRECTED BY THE ENGINEER.

5. WARNING LIGHTS AND/OF FLAGS MAY BE MOUNTED.

TO SIGNS OR CHANNELIZING DEVICES AT NIGHT AS NEEDED.

6. PAYEMENT MARKINGS NO LONGER APPLICABLE WHICH MIGHT CREATE

6. PAVEMENT MARKINGS NO LONGER APPLICABLE WHICH MIGHT CREATE CONFUSION IN THE MINDS OF VEHICLE OPERATORS SHALL BE REMOVED OR OBLITERATED AS SOON AS PRACTICABLE.

TRAILER MOUNTED DEVICES SUCH AS ARROW PANELS AND PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE DELINEATED BY AFFIXING CONSPICUITY MATERIAL IN A CONTINUOUS LINE ON THE FACE OF THE TRAILER. WHEN PLACED ON OR ADJACENT TO THE SHOULDER AND NOT BEHIND A POSITIVE BARRIER, THESE DEVICES SHALL BE DELINEATED BY PLACING FIVE (5) TRAFFIC DRUMS, EQUALLY SPACED ALONG THE TRAFFIC SIDE OF THE DEVICE.

D 12 17 | DEWISED DETAIL OF BAISED DAVISIENT MADKEDS

9-12-13	REVISED DETAIL OF HAISED PAVEMENT MARKENS			
3-11-10	ADDED (AFAD)			
11-20-08	REVISED SIGN DESIGNATIONS			
11-18-04	ADDED GENERAL NOTE			
10-18-96	ADDED R55-I			
4-26-96	CORRECTED (a) BEHIND G20-2			
6-8-95	CORRECTED SIGN IDENT, ON WI-4A	6-8-95		
2-2-95	REVISED PER PART VI, MUTCD, SEPT. 3, 1993			
8-15-91	DRAWN AND PLACED IN USE			
DATE	REVISION	FILMED		

STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION STANDARD DRAWING TC-2

М4-	B DETOUR WEST OWN IT	RII-2 ROAD CLOSED SOO' CLOSED SOO FT RII-3A ROAD CLOSED X MELSIA MEAN M4-IO
MODIFIED AS NEEDED THE DETOUR,	DE USED WHEN DESIRABLE URED TRAFFIC.	DETOUR DETOUR DETOUR DETOUR SOO F

(D) TYPICAL APPLICATION - ROADWAY CLOSED BEYOND DETOUR POINT.

I. FLOOD LIGHTS SHOULD BE PROVIDED TO MARK FLAGGER STATIONS AT NIGHT AS NEEDED.

2. IF ENTIRE WORK AREA IS VISIBLE FROM ONE STATION, A SINGLE FLAGGER MAY BE USED.

NOTES:

3. CHANNELIZING DEVICES ARE TO BE EXTENDED TO A POINT WHERE THEY ARE VISIBLE TO APPROACHING TRAFFIC.

4. AUTOMATED FLAGGER ASSISTANCE DEVICE (AFAD) OPTIONAL. REFER TO MUTCD.

(E) TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES ON 2-LANE HIGHWAY WHERE ONE LANE IS CLOSED AND FLAGGING IS PROVIDED.

200' TO 300'

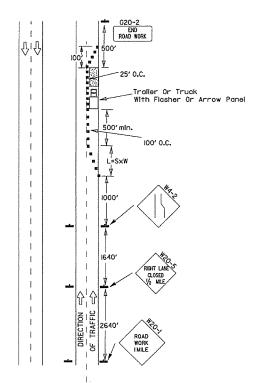
TO IOO' MAX

ROAD WORK

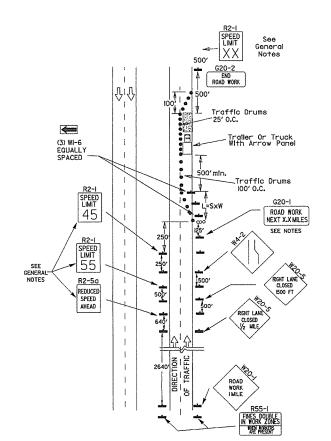
CHANNELIZING DEVICES SEPARATE WORK AREA FROM TRAVELED WAY.

G20-2 ROAD WORK END

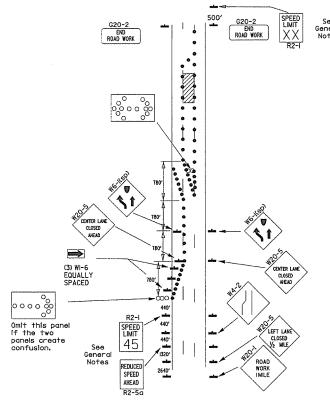
6-8-95



(A) Typical application - daytime maintenance operations of short duration on a 4-lane divided roadway where half of the roadway is closed.



Typical application - construction operations of intermediate to long term duration on a 4-lane divided roadway where half of the roadway is closed.



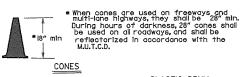
Typical application - 3-lane oneway roadway where nter lane is closed.

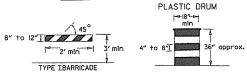
OCO Arrow Panel (if Required)

- Channelizing Device
- Traffic drum

GENERAL NOTES:

- A speed limit reduction may be implemented ONLY when designated in the plan or when recommended by the Roadway Design Division.
- 2. When the existing speed limit is 55mph and the plans require a speed limit of 45mph, the R2-1(55) shall be omitted and the R2-5A shall be installed at that location. Additional R2-145mph speed limit signs shall be installed at a maximum of imile intervals. At the end of the work area a R2-I(XX) shall be installed to match original speed limit.
- 3. When the existing speed ilmit is 65mph and the plans require a speed limit of 55mph, the R2-1(45) shall be omitted. Additional R2-155mph speed limit signs shall be installed at a maximum of imile intervals. At the end of the work area a R2-I(XX) shall be installed to match
- 4. The maximum spacing between channelizing devices in a taper should be approximately equal in feet to the speed limit. Beyond the taper, maximum spacing shall be two times the speed limit or as directed by the Engineer.
- 5. Warning lights and/or flags may be mounted to signs or channelizing devices at night as needed.
- 6. Pavement markings no longer applicable which might create confusion in the minds of vehicle operators shall be removed or obliterated as soon as practicable.
- 7. The G20-Isign will be required on jobs of over two miles in length. When the lane closure is not at the beginning of the project, the G20-Isign shall be erected 125' in advance of the job limit. Additional W20-I (I MILE) signs are not required in advance of lane closures that begin inside the project limits.
- 8. Flaggers shall use STOP/SLOW paddles for controlling traffic through work zones. Flags may be used only for emergency situations.
- 9. All plastic drums and cones shall meet the requirements of NCHRP-350 or Manual For Assessing Safety Hardware (MASH).
- 10. Trailer mounted devices such as arrow panels and portable changeable message signs shall be delineated by affixing conspiculty material in a continuous line on the face of the trailer. When placed on or adjacent to the shoulder and not behind a positive barrier, these devices shall be delineated by placing five (5) traffic drums, equally spaced along the traffic side of the device.





VERTICAL PANEL
VP-IR



. When shown on the plans concrete barrier will be used.

TRAFFIC CONTROL DEVICES

VERTICAL PAVEMENT DIFFERENTIALS

LOCATIONS

Centerline, lane lines

Edge of shoulder

Lane lines

Greater than 3" Edge of shoulder

VERTICAL DIFFERENTIAL

Greater than 3"

I" to 3"

I" to 3"

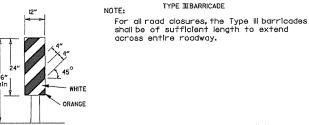
TRAFFIC CONTROL

Standard lane closure required

W8-II

When the shoulder area is used as part of the traveled lane and there is insufficient width to pigge drums on the remaining shoulder width, then vertical panels shall be used

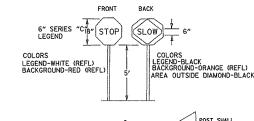
Greater than 3" Edge of traveled lane *RSP-land vertical panels, drums or concrete barrier



ROADWAY SURFACE



____Drop off > 3'



2-2-95 REVISED PER PART VI, MUTCD, SEPT. 3, 1993

REVISION ARKANSAS STATE HIGHWAY COMMISSION

STANDARD DRAWING TC-3

STANDARD TRAFFIC CONTROLS

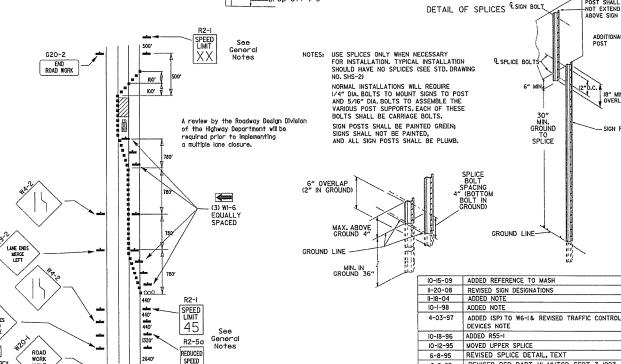
FOR HIGHWAY CONSTRUCTION

8-I5-9I DRAWN AND PLACED IN USE

DATE

STOP SLOW PADDLE

Flag shall be of good grade



(D) Typical application - closing multiple lanes of a multilane highway.