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.		012361	1	7

(2) STATEWIDE UTBWC IMPVTS. (2020) (S)

ARKANSAS DEPARTMENT OF TRANSPORTATION
CONSTRUCTION PLANS FOR STATE HIGHWAY

STATEWIDE UTBWC

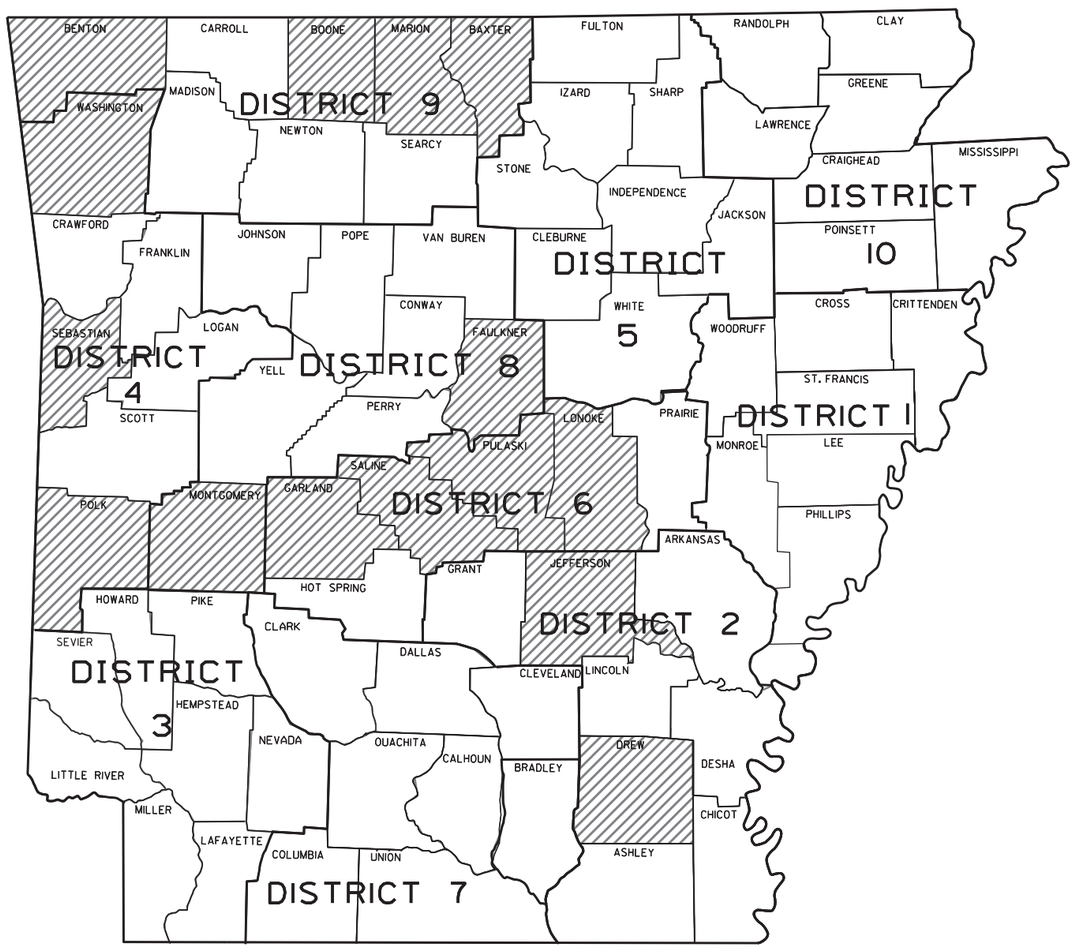
IMPVTS. (2020) (S)

VARIOUS COUNTIES

JOB 012361

NOT TO SCALE

FED. AID PROJ. STPF-0076(235)



N

ARK. HWY. DIST. NOS. 2, 4, 6, 8 & 9

APPROVED

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 7836
M.E. BANKS

Banks, Emanuel
Sep 29 2020 10:27 AM
DocuSign

DEPUTY DIRECTOR
AND CHIEF ENGINEER

ah40219 1/1/0001
R012361.DGN

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.		012361	2	7

(2) INDEX OF SHEETS, STD. DRAWINGS, GOV. SPECS., AND GEN. NOTES

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 11425
TRINITY D. SMITH

Sep 29 2020 9:31 AM

DocuSign

INDEX OF SHEETS

SHEET NO.	TITLE
1	TITLE SHEET
2	INDEX OF SHEETS, STANDARD DRAWINGS, GOVERNING SPECIFICATIONS, AND GENERAL NOTES
3 - 6	QUANTITIES
7	SUMMARY OF QUANTITIES AND REVISIONS

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_____	ERRATA FOR THE BOOK OF STANDARD SPECIFICATIONS
FHWA-1273__	REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS
FHWA-1273__	SUPPLEMENT - EQUAL EMPLOYMENT OPPORTUNITY - NOTCE 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 - EQUAL EMPLOYMENT OPPORTUNITY - FEDERAL STANDARDS
FHWA-1273__	SUPPLEMENT - POSTERS AND NOTICES REQUIRED FOR FEDERAL-AID PROJECTS
FHWA-1273__	SUPPLEMENT - WAGE RATE DETERMINATION
100-3_____	CONTRACTOR'S LICENSE
100-4_____	DEPARTMENT NAME CHANGE
102-2_____	ISSUANCE OF PROPOSALS
108-1_____	LIQUIDATED DAMAGES
108-2_____	WORK ALLOWED PRIOR TO ISSUANCE OF WORK ORDER
306-1_____	QUALITY CONTROL AND ACCEPTANCE
400-1_____	TACK COATS
400-4_____	DESIGN AND QUALITY CONTROL OF ASPHALT MIXTURES
400-5_____	PERCENT AIR VOIDS FOR ACHM MIX DESIGNS
400-6_____	LIQUID ANTI-STRIP ADDITIVE
404-3_____	DESIGN OF ASPHALT MIXTURES
410-1_____	CONSTRUCTION REQUIREMENTS AND ACCEPTANCE OF ASPHALT CONCRETE PLANT MIX COURSES
410-2_____	DEVICES FOR MEASURING DENSITY FOR ROLLING PATTERNS
603-1_____	LANE CLOSURE NOTIFICATION
604-1_____	RETROREFLECTIVE SHEETING FOR TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES
604-3_____	TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES (MASH)
JOB 012361__	ASSESSMENT OF WORKING DAYS – MAINTENANCE OF TRAFFIC
JOB 012361__	BIDDING REQUIREMENTS AND CONDITIONS
JOB 012361__	BROADBAND INTERNET SERVICE FOR ASPHALT CONCRETE PLANT
JOB 012361__	CARGO PREFERENCE ACT REQUIREMENTS
JOB 012361__	COORDINATION OF WORK
JOB 012361__	DISADVANTAGED BUSINESS ENTERPRISE BIDDER'S RESPONSIBILITIES
JOB 012361__	ENHANCED THERMOPLASTIC PAVEMENT MARKING
JOB 012361__	ESTABLISHING CONTRACT TIME – WORKING DAY CONTRACT
JOB 012361__	FLEXIBLE BEGINNING OF WORK
JOB 012361__	GOALS FOR DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION
JOB 012361__	LONGITUDINAL JOINT DENSITIES FOR ACHM SURFACE COURSES
JOB 012361__	MAINTENANCE OF TRAFFIC
JOB 012361__	MANDATORY ELECTRONIC CONTRACT
JOB 012361__	MANDATORY ELECTRONIC DOCUMENT SUBMITTAL
JOB 012361__	PERCENT WITHIN LIMITS
JOB 012361__	RESTRICTIONS ON THE USE OF RECYCLED ASPHALT PAVEMENT MATERIAL
JOB 012361__	RUMBLE STRIPS
JOB 012361__	SEQUENCE OF CONSTRUCTION
JOB 012361__	SUBMISSION OF ASPHALT CONCRETE HOT MIX ACCEPTANCE TEST RESULTS
JOB 012361__	ULTRATHIN BONDED WEARING COURSE
JOB 012361__	WARM MIX ASPHALT
JOB 012361__	WATER POLLUTION CONTROL

ROADWAY STANDARD DRAWINGS

DRWG.NO.	TITLE	DATE
PM-1_____	PAVEMENT MARKING DETAILS	02-27-20
PM-2_____	PERMANENT PAVEMENT MARKING ON ACCESS CONTROLLED ROADWAYS	05-14-20
TC-1_____	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	11-07-19
TC-2_____	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	11-07-19
TC-3_____	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	02-27-20

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.
2. 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. ALL LAND MONUMENTS LOCATED WITHIN THE CONSTRUCTION AREA SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 107.12 OF THE STANDARD SPECIFICATIONS.
4. 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 ENSURE THAT ALL TREES NOT TO BE REMOVED SHALL BE HARMED AS LITTLE AS POSSIBLE DURING THE CONSTRUCTION OPERATIONS.
5. THE SEQUENCE AS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS IS A GENERAL OUTLINE FOR THE CONSTRUCTION OF THIS PROJECT, AND IN NO WAY IS IT INTENDED TO COVER EVERY ITEM IN THE PROJECT. ITEMS NOT CRITICAL TO THE CONSTRUCTION SEQUENCE MAY BE CONSTRUCTED IN ANY STAGE AS APPROVED BY THE RESIDENT ENGINEER.

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.		012361	3	7

(2) QUANTITIES

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 11425
TRINITY D. SMITH

Sep 29 2020 9:30 AM

DocuSign

PERMANENT PAVEMENT MARKINGS

DESCRIPTION	END OF JOB	CONSTRUCTION PAVEMENT MARKINGS	CONSTRUCTION PAVEMENT MARKINGS		RAISED PAVEMENT MARKERS		ENHANCED THERMOPLASTIC PAVEMENT MARKING					THERMOPLASTIC PAVEMENT MARKING					REFLECTORIZED PAINT PAVEMENT MARKING	
					TYPE II	TYPE II	6"		12"			6"		12"			6"	
			WORDS	ARROWS	(WHITE/RED)	(YELLOW/YELLOW)	WHITE	YELLOW	WHITE	WORDS	ARROWS	WHITE	YELLOW	WHITE	WORDS	ARROWS	WHITE	YELLOW
	LIN. FT. - EACH	LIN. FT.	EACH		EACH		LIN. FT.			EACH		LIN. FT			EACH		LIN. FT.	
CONSTRUCTION PAVEMENT MARKINGS	527086	527086																
CONSTRUCTION PAVEMENT MARKINGS (WORDS)	35		35															
CONSTRUCTION PAVEMENT MARKINGS (ARROWS)	22			22														
RAISED PAVEMENT MARKERS TYPE II (WHITE/RED)	2560				2560													
RAISED PAVEMENT MARKERS TYPE II (YELLOW/YELLOW)	1354					1354												
ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (6")	81986						81986											
ENHANCED THERMOPLASTIC PAVEMENT MARKING YELLOW (6")	62211							62211										
ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (12")	6405								6405									
ENHANCED THERMOPLASTIC PAVEMENT MARKING (WORDS)	25									25								
ENHANCED THERMOPLASTIC PAVEMENT MARKING (ARROWS)	7										7							
THERMOPLASTIC PAVEMENT MARKING WHITE (6")	186981											186981						
THERMOPLASTIC PAVEMENT MARKING YELLOW (6")	174711												174711					
THERMOPLASTIC PAVEMENT MARKING WHITE (12")	620													620				
THERMOPLASTIC PAVEMENT MARKING (WORDS)	10														10			
THERMOPLASTIC PAVEMENT MARKING (ARROWS)	15															15		
REFLECTORIZED PAINT PAVEMENT MARKING WHITE (6")	7086																7086	
REFLECTORIZED PAINT PAVEMENT MARKING YELLOW (6")	7086																	7086
TOTALS:		**527086**	**35**	**22**	**2560**	**1354**	**81986**	**62211**	**6405**	**25**	**7**	**186981**	**174711**	**620**	**10**	**15**	**7086**	**7086**

NOTE: SEE ULTRATHIN BONDED WEARING COURSE QUANTITY BOX FOR TRAFFIC VOLUME CLASSIFICATION AS DEFINED IN SECTION 604.03, STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION

NOTE: THE 6" YELLOW STRIPING QUANTITY HAS BEEN ESTIMATED BASED ON A DOUBLE YELLOW CENTERLINE STRIPE FOR ROADS WITH OPPOSING TRAFFIC AND A SINGLE YELLOW STRIPE FOR DIVIDED HIGHWAYS.
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.

ZB43074 9/17/2020
R012361.DGN

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.		012361	4	7

(2) QUANTITIES

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 11425
TRINITY D. SMITH

Sep 29 2020 9:30 AM

DocuSign

COLD MILLING ASPHALT PAVEMENT

COUNTY	ROUTE	SECTION	DIRECTION	*LOG MILE	*LOG MILE	LOCATION	AVG. WIDTH	**MILLING THICKNESS	*COLD MILLING ASPHALT PAVEMENT
							FEET	INCHES	SQ. YD.
BENTON	72	3	A	3.32	3.92	MAIN LANES	20.00	2.00	8277.00
BENTON	94	2	A	3.93	4.35	MAIN LANES	22.00		5333.00
BENTON	102	2	A	2.75	2.95	MAIN LANES	20.00		16000.00
BENTON	102	2	A	3.07	3.30	MAIN LANES			
BENTON	102	2	A	3.46	3.95	MAIN LANES			
BENTON	102	2	A	4.12	4.25	MAIN LANES			
BENTON	102	2	A	4.57	4.71	MAIN LANES			
BOONE	7	20	A	11.38	11.55	MAIN LANES	18.00		2000.00
DREW	278	15	A	5.54	5.95	MAIN LANES	22.00	1.50	5327.00
GARLAND	7	9	A	1.60	1.81	MAIN LANES	22.00		2710.00
GARLAND	270	6	A	6.63	6.79	MAIN LANES	55.00		5163.00
JEFFERSON	54	8	A	1.42	1.81	MAIN LANES	20.00		4588.00
LONOKE	5	102	A	6.68	7.28	MAIN LANES	20.00		6363.00
POLK	71	8	A	27.29	27.59	MAIN LANES	33.00	1.50	5808.00
POLK	71	8	A	30.34	30.59	MAIN LANES	33.00		4840.00
PULASKI	10	8	A	15.00	15.35	MAIN LANES	21.00		3075.00
PULASKI	10	8	B	0.59	0.66	MAIN LANES	21.00		3073.00
PULASKI	30	523	A	0.00	0.13	MAIN LANES	16.00		1100.00
PULASKI	40	461	A	0.03	0.27	MAIN LANES	15.00		2000.00
PULASKI	40	462	A	0.00	0.03	MAIN LANES	15.00		232.00
PULASKI	430	21	A	0.00	0.47	MAIN LANES	24.00		6779.00
PULASKI	430	21	B	13.16	13.44	MAIN LANES	14.00		2536.00
PULASKI	630	21	A	0.00	0.43	MAIN LANES	18.00		3296.00
PULASKI	630	112	A	0.00	0.31	MAIN LANES	18.00		1528.00
PULASKI	630	189	A	0.00	0.25	MAIN LANES	120.00		940.00
PULASKI	630	191	A	0.00	0.05	MAIN LANES	12.00		287.00
SALINE	30	372	A	0.00	0.17	MAIN LANES	15.00		1531.20
SALINE	30	395	A	0.00	0.14	MAIN LANES	15.00		1200.00
SALINE	30	396	A	0.00	0.13	MAIN LANES	15.00		1077.00
SALINE	30	397	A	0.00	0.11	MAIN LANES	18.00		1074.00
SALINE	30	399	A	0.00	0.16	MAIN LANES	16.00		1390.00
SEBASTIAN	540	139	A	0.00	0.23	MAIN LANES	16.00		1676.00
SEBASTIAN	540	165	A	0.00	0.30	MAIN LANES	15.00		1716.00
BAXTER	101	1	A	6.85	6.98	MAIN LANES	25.00		2000.00
FAULKNER	65	9	A	9.79	9.88	MAIN LANES	60.00	2.00	4523.78
FAULKNER	65	9	A	9.84	9.85	MAIN LANES	60.00		
FAULKNER	65	9	A	10.25	10.32	MAIN LANES	60.00	2.00	
FAULKNER	65	9	A	16.58	16.59	MAIN LANES	60.00		1970.00
FAULKNER	65	9	A	17.07	17.08	MAIN LANES	60.00		
FAULKNER	65	9	A	17.10	17.11	MAIN LANES	60.00		
FAULKNER	65	9	A	17.35	17.36	MAIN LANES	60.00		
FAULKNER	65	9	A	19.25	19.26	MAIN LANES	67.00		850.00
FAULKNER	65	9	A	19.44	19.45	MAIN LANES	67.00		
PULASKI	40	465	A	0.14	0.31	MAIN LANES	18.00		1770.00
PULASKI	40	466	A	0.00	0.03	MAIN LANES	13.00		230.00
MARION	125	0	A	7.49	7.64	MAIN LANES	25.00		2200.00
MONTGOMERY	270	3	A	15.41	16.09	MAIN LANES	40.00	2.00	733.00
SEBASTIAN	540	156	A	0.00	0.27	MAIN LANES	25.00		100.00
WASHINGTON	49	28	A	68.52	68.53	MAIN LANES	52.00		693.00
WASHINGTON	49	28	A	68.61	68.62	MAIN LANES	52.00		
WASHINGTON	49	28	A	68.61	68.62	MAIN LANES	10.00		67.00
WASHINGTON	49	28	B	22.81	22.82	MAIN LANES	65.00		867.00
WASHINGTON	49	28	B	22.90	22.91	MAIN LANES	66.00		
WASHINGTON	49	28	B	22.81	22.82	MAIN LANES	6.00		40.00
WASHINGTON	49	28	A	68.71	68.72	MAIN LANES	55.00		733.00
WASHINGTON	49	28	A	68.89	68.90	MAIN LANES	55.00		
WASHINGTON	49	28	A	68.71	68.73	MAIN LANES	24.00		200.00
WASHINGTON	49	28	B	22.52	22.53	MAIN LANES	55.00		733.00
WASHINGTON	49	28	B	22.71	22.72	MAIN LANES	55.00		
WASHINGTON	49	28	B	22.67	22.68	MAIN LANES	30.00		200.00
WASHINGTON	49	28	B	22.71	22.72	MAIN LANES	12.00		80.00
WASHINGTON	49	28	A	68.95	69.05	MAIN LANES	52.00		693.00
WASHINGTON	49	28	A	68.95	68.96	MAIN LANES	9.00		60.00
WASHINGTON	49	28	B	22.38	22.39	MAIN LANES	52.00		693.00
WASHINGTON	49	28	B	22.47	22.48	MAIN LANES	52.00		
WASHINGTON	49	28	B	22.47	22.48	MAIN LANES	10.00		67.00
WASHINGTON	49	28	A	41.52	41.53	MAIN LANES	25.00		333.00
WASHINGTON	49	28	A	42.08	42.09	MAIN LANES	25.00		
WASHINGTON	49	28	A	42.08	42.09	MAIN LANES	11.00		73.00
WASHINGTON	49	28	B	49.62	49.63	MAIN LANES	25.00		333.00
WASHINGTON	49	28	B	49.91	49.92	MAIN LANES	25.00		
WASHINGTON	49	28	B	49.62	49.63	MAIN LANES	10.00		67.00
TOTAL:									121227.98

*QUANTITY AND LOG MILE ESTIMATED. ALL HFST SHALL BE REMOVED BEFORE PLACING UTBWC.

** IF MILLING THICKNESS IS NOT INDICATED, DO THE PROFILE MILLING TO REMOVE EXISTING HFST, OR TO PROVIDE BUTT JOINTS.

NOTE: IN THE EVENT OF PRECIPITATION, THE CONTRACTOR SHALL PROVIDE OUTLETS OR OTHER MEANS APPROVED BY THE ENGINEER IN THE MILLED AREAS TO PREVENT THE ACCUMULATION OF WATER ON THE ROADWAY. OUTLETS SHALL BE CONSTRUCTED AS DIRECTED BY THE ENGINEER. PRIOR TO PLACEMENT OF THE FINAL SURFACE COURSE, DRAINAGE OUTLETS SHALL BE FILLED WITH ACHM SURFACE MATERIAL AND COMPACTED AS DIRECTED BY THE ENGINEER. PAYMENT FOR THE CONSTRUCTION OF THE DRAINAGE OUTLETS SHALL BE PAID FOR UNDER THE ITEM "COLD MILLING ASPHALT PAVEMENT". MATERIAL USED TO FILL THE DRAINAGE OUTLETS SHALL BE PAID FOR UNDER THE APPROPRIATE ACHM SURFACE COURSE

QUANTITIES

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.		012361	5	7

(2) QUANTITIES

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 11425
TRINITY D. SMITH

Sep 29 2020 9:30 AM

DocuSign

ULTRATHIN BONDED WEARING COURSE

COUNTY	ROUTE	SECTION	DIRECTION	LOG MILE	LOG MILE	LOCATION	TOTAL LENGTH	AVG. WIDTH	ULTRATHIN BONDED WEARING COURSE (5/8" - TYPE B)	TRAFFIC VOLUME TYPE	PAVEMENT MARKING TYPE
							FEET	FEET	SQ. YD.		
BENTON	72	3	A	0.00	7.57	MAIN LANES	39969.60	20.00	88821	HIGH	THERMO.
BENTON	94	2	A	3.93	4.35	MAIN LANES	2217.60	22.00	5485	HIGH	THERMO.
BENTON	102	2	A	2.75	4.81	MAIN LANES	10876.80	20.00	24117	HIGH	THERMO.
BOONE	7	20	A	11.38	11.55	MAIN LANES	897.60	18.00	1801	HIGH	THERMO.
DREW	278	15	A	5.54	5.95	MAIN LANES	2164.80	22.00	5322	HIGH	THERMO.
GARLAND	7	9	A	1.60	1.81	MAIN LANES	1108.80	22.00	2719	HIGH	THERMO.
GARLAND	270	6	A	6.63	6.79	MAIN LANES	844.80	55.00	5155	HIGH	THERMO.
GARLAND	270	121	A	0.00	0.23	MAIN LANES	1214.40	39.00	5354	HIGH	THERMO.
GARLAND	270	122	A	0.01	0.03	MAIN LANES	105.60	28.00	298	HIGH	THERMO.
JEFFERSON	54	8	A	1.42	1.81	MAIN LANES	2059.20	20.00	4588	LOW	PAINT
LONOKE	5	102	A	6.68	7.28	MAIN LANES	3168.00	20.00	7051	HIGH	THERMO.
POLK	71	8	A	27.29	27.59	MAIN LANES	1584.00	33.00	5827	HIGH	THERMO.
POLK	71	8	A	30.34	30.59	MAIN LANES	1320.00	33.00	4821	HIGH	THERMO.
PULASKI	10	8	A	15.00	15.94	MAIN LANES	4963.20	21.00	11547	HIGH	THERMO.
PULASKI	10	8	B	0.59	1.53	MAIN LANES	4963.20	21.00	11546	HIGH	THERMO.
PULASKI	30	523	A	0.00	0.13	MAIN LANES	686.40	16.00	1183	HIGH	ENHD.
PULASKI	40	461	A	0.00	0.27	MAIN LANES	1425.60	15.00	2378	HIGH	ENHD.
PULASKI	40	462	A	0.00	0.03	MAIN LANES	158.40	15.00	232	HIGH	ENHD.
PULASKI	107	1	A	0.19	0.39	MAIN LANES	1056.00	28.00	3300	HIGH	THERMO.
PULASKI	430	21	A	0.00	0.47	MAIN LANES	2481.60	24.00	6547	HIGH	ENHD.
PULASKI	430	21	B	13.16	13.44	MAIN LANES	1478.40	14.00	2308	HIGH	ENHD.
PULASKI	630	21	A	0.00	0.43	MAIN LANES	2270.40	18.00	4488	HIGH	ENHD.
PULASKI	630	21	B	7.34	7.44	MAIN LANES	528.00	18.00	1067	HIGH	ENHD.
PULASKI	630	112	A	0.00	0.31	MAIN LANES	1636.80	18.00	3242	HIGH	ENHD.
PULASKI	630	189	A	0.00	0.25	MAIN LANES	1320.00	120.00	1774	HIGH	ENHD.
PULASKI	630	191	A	0.00	0.05	MAIN LANES	264.00	12.00	338	HIGH	ENHD.
SALINE	5	8	A	5.76	6.45	MAIN LANES	3643.20	22.00	8906	HIGH	THERMO.
SALINE	30	372	A	0.00	0.17	MAIN LANES	897.60	15.00	1531	HIGH	ENHD.
SALINE	30	395	A	0.00	0.14	MAIN LANES	739.20	15.00	1245	HIGH	ENHD.
SALINE	30	396	A	0.00	0.13	MAIN LANES	686.40	15.00	1170	HIGH	ENHD.
SALINE	30	397	A	0.00	0.11	MAIN LANES	580.80	18.00	1170	HIGH	ENHD.
SALINE	30	399	A	0.00	0.16	MAIN LANES	844.80	16.00	1492	HIGH	ENHD.
SALINE	67	9	A	6.02	6.48	MAIN LANES	2428.80	22.00	5937	HIGH	THERMO.
SEBASTIAN	540	139	A	0.00	0.23	MAIN LANES	1214.40	16.00	2168	HIGH	ENHD.
SEBASTIAN	540	165	A	0.00	0.30	MAIN LANES	1584.00	15.00	2631	HIGH	ENHD.
BAXTER	101	1	A	6.85	6.98	MAIN LANES	686.40	25.00	1905	LOW	PAINT
FAULKNER	65	9	A	9.74	10.73	MAIN LANES	5227.20	60.00	34813	HIGH	THERMO.
FAULKNER	65	9	A	16.58	17.36	MAIN LANES	4118.40	60.00	27429	HIGH	THERMO.
FAULKNER	65	9	A	19.25	19.45	MAIN LANES	1056.00	67.00	7853	HIGH	ENHD.
PULASKI	10	8	A	12.27	12.87	MAIN LANES	3168.00	50.00	17582	HIGH	THERMO.
PULASKI	30	23	A	137.61	138.09	MAIN LANES	2534.40	40.00	11253	HIGH	ENHD.
PULASKI	30	23	B	0.19	0.64	MAIN LANES	2376.00	30.00	7912	HIGH	ENHD.
PULASKI	40	23	A	143.16	144.16	MAIN LANES	5280.00	36.00	21099	HIGH	ENHD.
PULASKI	40	465	A	0.00	0.31	MAIN LANES	1636.80	18.00	3270	HIGH	ENHD.
PULASKI	40	466	A	0.00	0.03	MAIN LANES	158.40	13.00	229	HIGH	ENHD.
PULASKI	67	10	A	0.00	0.58	MAIN LANES	3062.40	24.00	8158	HIGH	ENHD.
PULASKI	67	10	B	14.83	15.22	MAIN LANES	2059.20	35.00	8000	HIGH	ENHD.
PULASKI	300	2	A	5.64	5.77	MAIN LANES	686.40	20.00	1524	LOW	PAINT
PULASKI	430	21	B	7.89	8.94	MAIN LANES	5544.00	50.00	30769	HIGH	ENHD.
PULASKI	430	163	A	0.00	0.273	MAIN LANES	1441.44	35.00	5600	HIGH	ENHD.
PULASKI	430	169	A	0.00	0.27	MAIN LANES	1425.60	25.00	3956	HIGH	ENHD.
PULASKI	630	196	A	0.08	0.59	MAIN LANES	2692.80	28.00	8369	HIGH	ENHD.
MARION	125	0	A	7.49	7.64	MAIN LANES	792.00	25.00	2198	LOW	PAINT
MONTGOMERY	270	3	A	15.41	16.09	MAIN LANES	3590.40	40.00	15941	HIGH	ENHD.
SEBASTIAN	540	156	A	0.00	0.27	MAIN LANES	1425.60	25.00	3956	HIGH	ENHD.
WASHINGTON	49	305	A	0.00	0.29	MAIN LANES	1531.20	28.00	4759	HIGH	ENHD.
WASHINGTON	49	28	A	68.52	68.62	MAIN LANES	528.00	52.00	3051	HIGH	ENHD.
WASHINGTON	49	28	A	68.61	68.62	MAIN LANES	60.00	10.00	67	HIGH	ENHD.
WASHINGTON	49	28	B	22.81	22.91	MAIN LANES	528.00	65.00	3813	HIGH	ENHD.
WASHINGTON	49	28	B	22.81	22.82	MAIN LANES	60.00	6.00	40	HIGH	ENHD.
WASHINGTON	49	28	A	68.71	68.90	MAIN LANES	1015.00	55.00	6203	HIGH	ENHD.
WASHINGTON	49	28	A	68.71	68.73	MAIN LANES	75.00	24.00	200	HIGH	ENHD.
WASHINGTON	49	28	B	22.52	22.72	MAIN LANES	1037.00	55.00	6337	HIGH	ENHD.
WASHINGTON	49	28	B	22.67	22.72	MAIN LANES	283.00	22.00	692	HIGH	ENHD.
WASHINGTON	49	28	A	68.95	69.05	MAIN LANES	528.00	52.00	3051	HIGH	ENHD.
WASHINGTON	49	28	A	68.95	68.96	MAIN LANES	60.00	9.00	60	HIGH	ENHD.
WASHINGTON	49	28	B	22.38	22.48	MAIN LANES	528.00	52.00	3051	HIGH	ENHD.
WASHINGTON	49	28	B	22.47	22.48	MAIN LANES	60.00	10.00	67	HIGH	ENHD.
WASHINGTON	49	28	A	41.52	42.09	MAIN LANES	3009.60	25.00	8361	HIGH	ENHD.
WASHINGTON	49	28	B	49.62	49.92	MAIN LANES	1584.00	25.00	4403	HIGH	ENHD.
TOTAL:									503530		

NOTE: EHND = ENHANCED THERMOPLASTIC PAVEMENT MARKING
THERMO. = THERMOPLASTIC PAVEMENT MARKING
PAINT = REFLECTORIZED PAINT PAVEMENT MARKING

ACHM PATCHING OF EXISTING ROADWAY

COUNTY	LOCATION	SECTION	DIRECTION	TON
BENTON	HWY. 72	3	A	100
BENTON	HWY. 72	2	A	10
BENTON	HWY. 72	2	A	50
GARLAND	HWY. 270	6	A	5
LONOKE	HWY. 5	12	A	5
POLK	HWY. 71	8	A	50
POLK	HWY. 71	8	A	50
PULASKI	HWY. 10	8	A	400
SEBASTIAN	INTERSTATE 540	139	A	50
SEBASTIAN	INTERSTATE 540	165	A	50
FAULKNER	HWY. 65	9	A	80
FAULKNER	HWY. 65	9	A	10
PULASKI	HWY 10	8	A	5
PULASKI	INTERSTATE 30	23	A	20
PULASKI	INTERSTATE 430	21	B	35
MONTGOMERY	HWY. 270	3	A	10
TOTAL:				930

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

RUMBLE STRIPES & STRIPS IN ASPHALT SHOULDERS

LOG MILE	LOG MILE	COUNTY	SECTION	DIRECTION	LOCATION	* RUMBLE STRIPS IN ASPHALT SHOULDERS	* RUMBLE STRIPES IN ASPHALT SHOULDERS
						LIN.FT.	LIN.FT.
0.00	0.47	PULASKI	21	A	INTERSTATE 430	2482	
13.16	13.44	PULASKI	21	B	INTERSTATE 430	1478	
0.00	0.43	PULASKI	21	A	INTERSTATE 630	2270	
7.34	7.44	PULASKI	21	B	INTERSTATE 630	528	
0.00	0.31	PULASKI	112	A	INTERSTATE 630	1637	
0.00	0.25	PULASKI	189	A	INTERSTATE 630	2640	
6.02	6.48	SALINE	9	A	HIGHWAY 67	4858	
137.61	138.09	PULASKI	23	A	INTERSTATE 30	5069	
143.16	144.16	PULASKI	33	A	INTERSTATE 40	10560	
14.83	15.22	PULASKI	10	B	HIGHWAY 67	4118	
7.89	8.94	PULASKI	21	B	INTERSTATE 430	11088	
15.41	16.09	MONTGOMERY	3	A	HIGHWAY 270		10771
68.52	68.62	WASHINGTON	28	A	INTERSTATE 49	582	
22.81	22.91	WASHINGTON	28	B	INTERSTATE 49	582	
68.71	68.90	WASHINGTON	28	A	INTERSTATE 49	2030	
22.52	22.72	WASHINGTON	28	B	INTERSTATE 49	2074	
68.95	69.05	WASHINGTON	28	A	INTERSTATE 49	582	
22.38	22.48	WASHINGTON	28	B	INTERSTATE 49	582	
TOTALS:						53160	10771

* QUANTITIES ESTIMATED.
SEE SECTION 104.03 OF THE STD. SPECS.
TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER.

QUANTITIES

ZB43074 9/17/2020
R012361.DGN

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.		012361	6	7

(2) QUANTITIES

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 11425
TRINITY D. SMITH

Sep 29 2020 9:30 AM

DocuSign

BASE AND SURFACING

LOG MILE	LOG MILE	COUNTY	LOCATION	SECTION	DIRECTION	LENGTH	TACK COAT (0.17 GAL. PER SQ. YD.)			ACHM SURFACE COURSE (3/8")					
							TOTAL WID.	SQ.YD.	GALLON	AVG. WID.	SQ.YD.	POUND / SQ.YD.	TOTAL PG 64-22	TOTAL PG 70-22	TOTAL PG 76-22
						FEET	FEET			FEET			TON	TON	TON
MAIN LANES															
0.00	7.57	BENTON	HWY. 72	3	A	39969.60	20.00	88821.33	15099.63	20.00	88821.33	220.00		9770.35	
5.54	5.95	DREW	HWY. 278	15	A	2164.80	22.00	5291.73	899.59	22.00	5291.73	165.00	436.57		
27.29	27.59	POLK	HWY. 71	8	A	1584.00	33.00	5808.00	987.36	33.00	5808.00	165.00	479.16		
9.74	10.73	FAULKNER	HWY. 65	9	A	5227.20	60.00	34848.00	5924.16	60.00	34848.00	220.00			3833.28
19.25	19.45	FAULKNER	HWY. 65	9	A	1056.00	67.00	7861.33	1336.43	67.00	7861.33	220.00			864.75
15.41	16.09	MONTGOMERY	HWY. 270	3	A	3590.40	40.00	15957.33	2712.75	40.00	15957.33	220.00	1755.31		
ADDITIONAL FOR LEVELING															
0.00	7.57	BENTON	HWY. 72	3	A	39969.60	20.00	88821.33	15099.63	20.00	88821.33	VAR.		1500.00	
3.45	4.14	BENTON	HWY. 94	2	A	3643.20	22.00	8905.60	1513.95	22.00	8905.60	VAR.		20.00	
2.75	4.81	BENTON	HWY. 102	2	A	10876.80	20.00	24170.67	4109.01	20.00	24170.67	VAR.		500.00	
5.54	5.95	DREW	HWY. 278	15	A	2164.80	22.00	5291.73	899.59	22.00	5291.73	VAR.	450.00		
1.42	1.81	JEFFERSON	HWY. 54	8	A	2059.20	20.00	4576.00	777.92	20.00	4576.00	VAR.	250.00		
27.29	27.59	POLK	HWY. 71	8	A	1584.00	33.00	5808.00	987.36	33.00	5808.00	VAR.	488.00		
6.85	6.98	BAXTER	HWY. 101	1	A	686.40	25.00	1906.67	324.13	25.00	1906.67	VAR.	100.00		
9.74	10.73	FAULKNER	HWY. 65	9	A	5227.20	60.00	34848.00	5924.16	60.00	34848.00	VAR.			500.00
16.58	17.36	FAULKNER	HWY. 65	9	A	4118.40	60.00	27456.00	4667.52	60.00	27456.00	VAR.			40.00
19.25	19.45	FAULKNER	HWY. 65	9	A	1056.00	67.00	7861.33	1336.43	67.00	7861.33	VAR.			60.00
0.00	0.31	PULASKI	INTERSTATE 40	465	A	1636.80	18.00	3273.60	556.51	18.00	3273.60	VAR.			100.00
0.00	0.03	PULASKI	INTERSTATE 40	466	A	158.40	13.00	228.80	38.90	13.00	228.80	VAR.			10.00
15.41	16.09	MONTGOMERY	HWY. 270	3	A	3590.40	40.00	15957.33	2712.75	40.00	15957.33	VAR.	80.00		
0.00	0.29	WASHINGTON	INTERSTATE 49	305	A	1531.20	28.00	4763.73	809.83	28.00	4763.73	VAR.			55.00
*ENTIRE	PROJECT													1000.00	
TOTALS:								**392456.51**	**66717.61**		**392456.51**		**4039.04**	**12790.35**	**5463.03**

BASIS OF ESTIMATE:
DISTRICT 2 - ACHM SURFACE COURSE (1/2").....94.1% MIN. AGGR.....5.9% ASPHALT BINDER
DISTRICT 4 - ACHM SURFACE COURSE (1/2").....94.0% MIN. AGGR.....6.0% ASPHALT BINDER
DISTRICT 6 - ACHM SURFACE COURSE (1/2").....94.4% MIN. AGGR.....5.6% ASPHALT BINDER
DISTRICT 8 - ACHM SURFACE COURSE (1/2").....94.2% MIN. AGGR.....5.8% ASPHALT BINDER
DISTRICT 9 - ACHM SURFACE COURSE (1/2").....94.2% MIN. AGGR.....5.8% ASPHALT BINDER
MAXIMUM NUMBER OF GYRATIONS = 115 FOR PG 64-22
MAXIMUM NUMBER OF GYRATIONS = 160 FOR PG 70-22
MAXIMUM NUMBER OF GYRATIONS = 205 FOR PG 76-22
TACK COAT QUANTITIES WERE CALCULATED USING THE EMULSIFIED ASPHALT RATES. REFER TO SS-400-1 FOR THE RESIDUAL ASPHALT APPLICATION RATES.
* TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER.

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.		012361	7	7

(2) SUMMARY OF QUANTITIES & REVISIONS

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 11425
TRINITY D. SMITH

Sep 29 2020 9:31 AM

DocuSign

SUMMARY OF QUANTITIES

ITEM NUMBER	ITEM	QUANTITY	UNIT
SS & 401	TACK COAT	66718	GAL.
SP, SS, & 407	MINERAL AGGREGATE IN ACHM SURFACE COURSE (3/8")	20996	TON
SP, SS, & 407	ASPHALT BINDER (PG 64-22) IN ACHM SURFACE COURSE (3/8")	237	TON
SP, SS, & 407	ASPHALT BINDER (PG 70-22) IN ACHM SURFACE COURSE (3/8")	742	TON
SP, SS, & 407	ASPHALT BINDER (PG 76-22) IN ACHM SURFACE COURSE (3/8")	317	TON
SP	ULTRATHIN BONDED WEARING COURSE (5/8"-TYPE B)	503530	SQ. YD.
412	COLD MILLING ASPHALT PAVEMENT	121228	SQ. YD.
SP, SS, & 415	ACHM PATCHING OF EXISTING ROADWAY	930	TON
601	MOBILIZATION	1.00	LUMP SUM
SP, SS, & 603	MAINTENANCE OF TRAFFIC	1.00	LUMP SUM
604	CONSTRUCTION PAVEMENT MARKINGS	527086	LIN. FT.
604	CONSTRUCTION PAVEMENT MARKINGS (WORDS)	35	EACH
604	CONSTRUCTION PAVEMENT MARKINGS (ARROWS)	22	EACH
635	ROADWAY CONSTRUCTION CONTROL	1.00	LUMP SUM
642	RUMBLE STRIPS IN ASPHALT SHOULDERS	53160	LIN. FT.
SP & 642	RUMBLE STRIPES IN ASPHALT SHOULDERS	10771	LIN. FT.
718	REFLECTORIZED PAINT PAVEMENT MARKING WHITE (6")	7086	LIN. FT.
718	REFLECTORIZED PAINT PAVEMENT MARKING YELLOW (6")	7086	LIN. FT.
719	THERMOPLASTIC PAVEMENT MARKING WHITE (6")	186981	LIN. FT.
719	THERMOPLASTIC PAVEMENT MARKING WHITE (12")	620	LIN. FT.
719	THERMOPLASTIC PAVEMENT MARKING YELLOW (6")	174711	LIN. FT.
719	THERMOPLASTIC PAVEMENT MARKING (WORDS)	10	EACH
719	THERMOPLASTIC PAVEMENT MARKING (ARROWS)	15	EACH
SP	ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (6")	81986	LIN. FT.
SP	ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (12")	6405	LIN. FT.
SP	ENHANCED THERMOPLASTIC PAVEMENT MARKING YELLOW (6")	62211	LIN. FT.
SP	ENHANCED THERMOPLASTIC PAVEMENT MARKING (WORDS)	25	EACH
SP	ENHANCED THERMOPLASTIC PAVEMENT MARKING (ARROWS)	7	EACH
721	RAISED PAVEMENT MARKERS (TYPE II)	3914	EACH

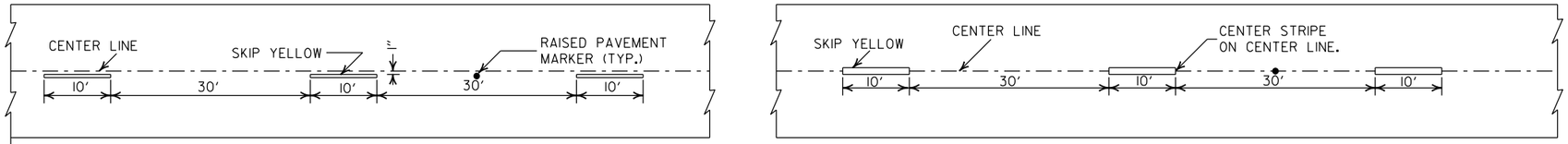
REVISIONS

DATE	REVISION	SHEET NUMBER

ZB43074 9/17/2020
R012361.DGN

NOTES:

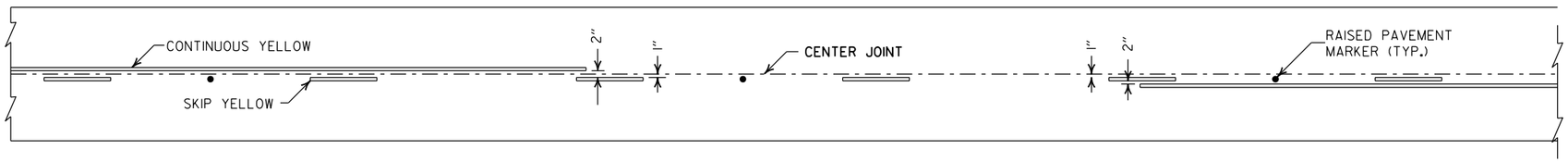
1. REFER TO THE STRIPING DETAILS FOR PAVEMENT MARKING LINE WIDTHS.
2. THIS DRAWING SHALL BE USED IN CONJUNCTION WITH THE LATEST REVISED ADDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."
3. RAISED PAVEMENT MARKERS SHALL BE PLACED ON AN 80 FEET SPACING UNLESS OTHERWISE SHOWN IN THE PLANS.



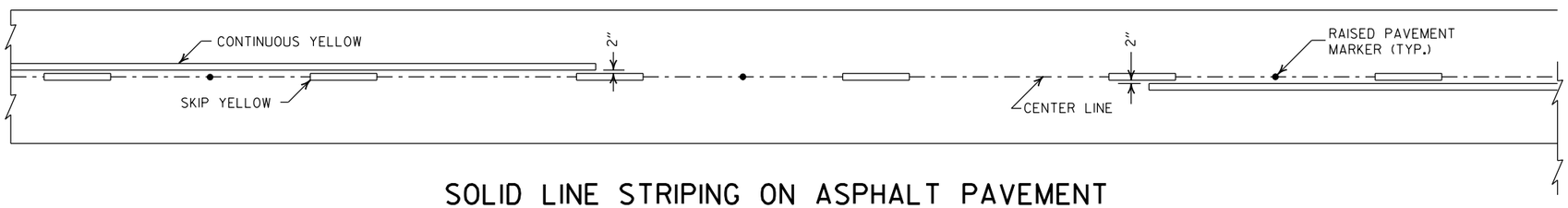
CONCRETE PAVEMENT

ASPHALT PAVEMENT

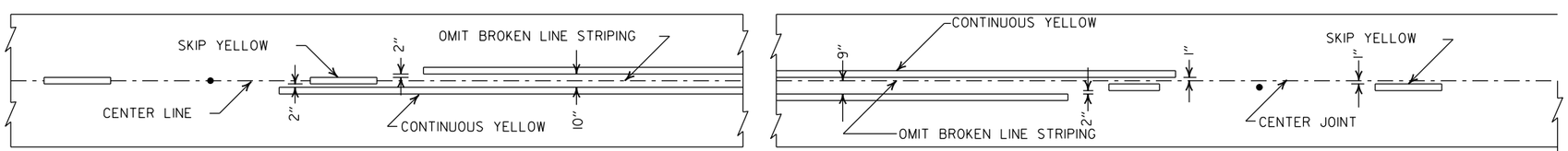
BROKEN LINE STRIPING



SOLID LINE STRIPING ON CONCRETE PAVEMENT



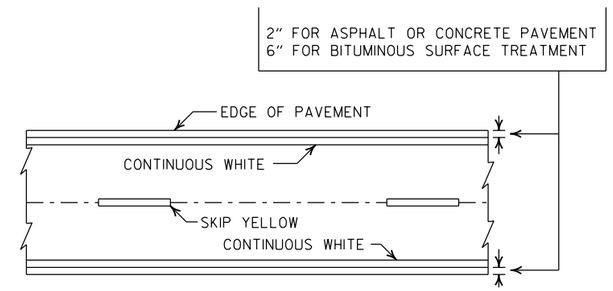
SOLID LINE STRIPING ON ASPHALT PAVEMENT



ASPHALT PAVEMENT

CONCRETE PAVEMENT

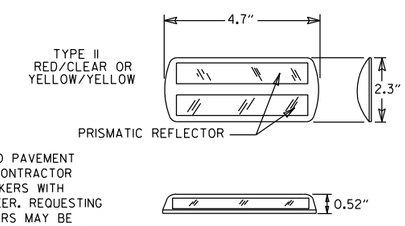
STRIPING AT ADJACENT NO PASSING LANES



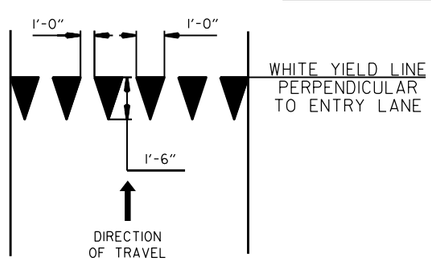
PAVEMENT EDGE LINE MARKING

NOTE:
THE RED LENS OF THE TYPE II R.P.M. SHALL FACE THE INCORRECT TRAFFIC MOVEMENT.

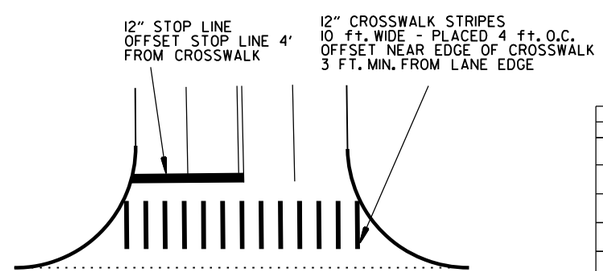
NOTE:
DIMENSIONS SHOWN FOR RAISED PAVEMENT MARKERS ARE TYPICAL. THE CONTRACTOR MAY SUBSTITUTE SIMILAR MARKERS WITH THE APPROVAL OF THE ENGINEER. REQUESTING APPROVAL FOR SIMILAR MARKERS MAY BE MADE BY REFERRING TO THE ARDOT QUALIFIED PRODUCTS LIST.



DETAIL OF STANDARD RAISED PAVEMENT MARKERS



YIELD LINE DETAIL



CROSSWALK AND STOP LINE DETAILS

DATE	REVISION	FILMED
2-27-20	REVISED STOP LINE DETAILS	
6-1-17	ADDED YIELD LINE DETAIL	
5-12-16	REVISED LINE WIDTHS, SPACING, & NOTES	
9-12-13	REVISED DETAIL OF STANDARD RAISED PAVEMENT MARKERS	
11-17-10	REVISED GENERAL NOTES & REMOVED PLOWABLE PVMT MRKRS	
11-18-04	REVISED NOTE 2 & GENERAL NOTES	
8-22-02	ADDED CROSSWALK & STOPBAR DTLS.	
7-02-98	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

ARKANSAS STATE HIGHWAY COMMISSION

PAVEMENT MARKING DETAILS

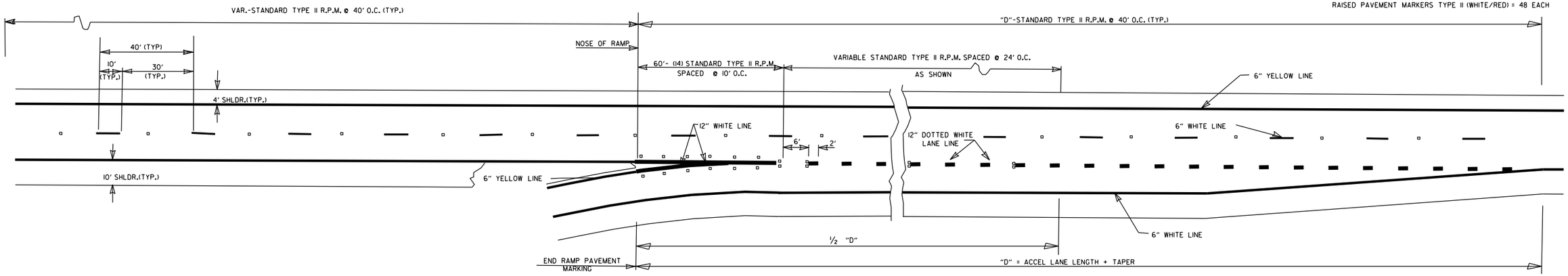
STANDARD DRAWING PM-1

PAVEMENT MARKING QUANTITIES
(BASED ON 700' ACCEL. LANE + 300' TAPER)

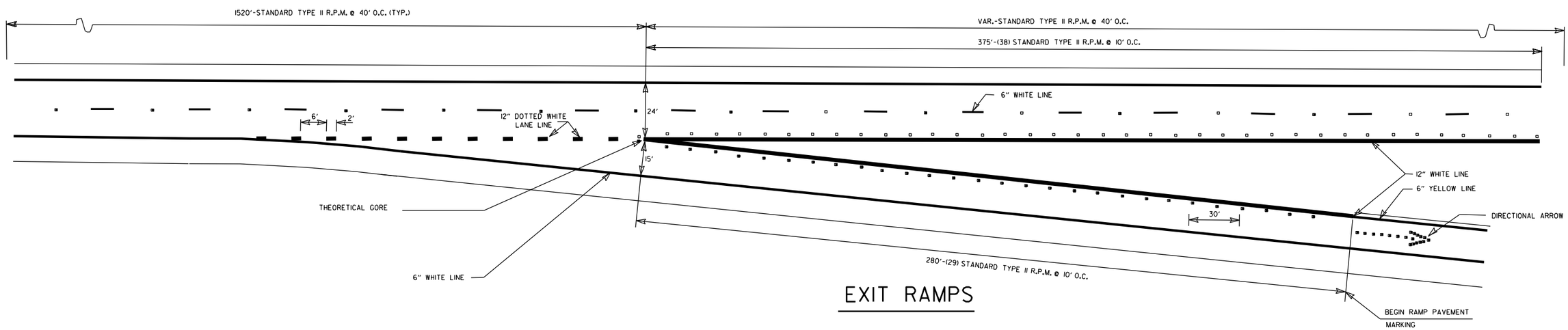
ENTRANCE RAMP

12" WHITE = 370 LIN. FT.
RAISED PAVEMENT MARKERS TYPE II (WHITE/RED) = 38 EACH

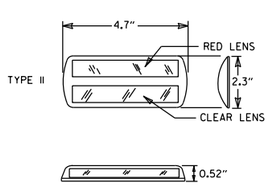
EXIT RAMP
6" WHITE = 280 LIN. FT.
12" WHITE = 815 LIN. FT.
RAISED PAVEMENT MARKERS TYPE II (WHITE/RED) = 38 EACH
RAISED PAVEMENT MARKERS TYPE II (WHITE/RED) = 48 EACH



ENTRANCE RAMPS

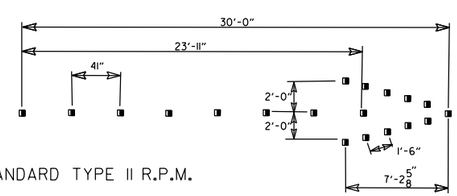


EXIT RAMPS



DETAIL OF
STANDARD
RAISED PAVEMENT MARKERS

NOTE:
THE RED LENS OF THE TYPE II R.P.M. SHALL FACE THE INCORRECT TRAFFIC MOVEMENT.



(19) STANDARD TYPE II R.P.M.

DIRECTIONAL ARROWS

GENERAL NOTES:

THIS DRAWING SHOULD BE CONSIDERED AS TYPICAL ONLY AND THE FINAL LOCATION OF THE STRIPING AND 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 ARDOT QUALIFIED PRODUCTS LIST.

DATE	REVISION	FILMED
05-14-20	REMOVED CROSSHATCH MARKINGS ON EXIT RAMPS	
11-07-19	REVISED DOTTED PAV'T MARKINGS; ADDED CROSSHATCH MARKINGS ON EXIT RAMPS	
12-8-16	REVISED RAISED PAV'T MARKERS FOR 80' SPACING; REVISED WIDTH OF STRIPING	
9-12-13	REVISED DETAIL OF STANDARD RAISED PAVEMENT MARKERS	
7-26-12	REVISED RPM NOTATION	
12-15-11	REVISED RPMs ACCORDING TO LATEST POLICY	
11-17-10	REMOVED PLOWABLE PAVEMENT MARKERS	
6-3-10	REVISED PER 2009 MUTCD	
11-18-04	REVISED NOTES	
8-22-02	ADDED & REVISED NOTES; REV. ENTRANCE & EXIT RAMPS	
5-18-00	REMOVED HASHMARKS	
7-02-98	CHANGED TYPES TO ROMAN NUMERALS	
4-26-96	ADDED DIMENSIONS & QUANTITIES; REVISED LANE WIDTH ON EXIT RAMP	
2-2-95	PLACED IN USE	2-2-95

ARKANSAS STATE HIGHWAY COMMISSION

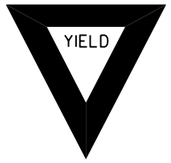
PAVEMENT MARKING DETAILS ON ACCESS CONTROLLED ROADWAYS

STANDARD DRAWING PM-2

R1-1

STANDARD 30"X30"
EXPRESSWAY 36"X36"
SPECIAL 48"X48"

R1-2



STD. 36"X36"X36"
EXPWY. 48"X48"X48"
FWY. 60"X60"X60"

R2-1

STD. 24"X30"
EXPWY. 36"X48"
FWY. 48"X60"

W3-5

STD. 36"X36"
EXPWY. 48"X48"
FWY. 48"X48"

W3-5a

STD. 36"X36"
EXPWY. 48"X48"
FWY. 48"X48"

R4-1

STD. 24"X30"
EXPWY. 36"X48"
FWY. 48"X60"

R4-2

STD. 24"X30"
EXPWY. 36"X48"
FWY. 48"X60"

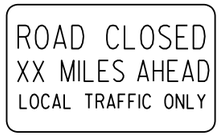
R5-1

STD. 30"X30"
EXPWY. 36"X36"
SPECIAL 48"X48"

R11-2

48"X30"

R11-3A



60"X30"

R11-4

60"X30"

W21-5a

STD. 36"X36"
FWY. 48"X48"

W1-1

STD. 36"X36"
FWY. 48"X48"

W1-2

STD. 36"X36"
FWY. 48"X48"

W1-3

STD. 48"X48"

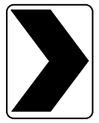
W1-4

STD. 48"X48"

W1-6

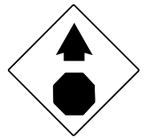
STD. 48"X24"
SPECIAL 60"X30"

W1-8



STD. 18"X24"
SPECIAL 24"X30"
EXPWY. 30"X36"
FWY. 36"X48"

W3-1

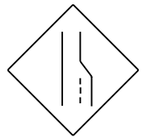


STD. 36"X36"
SPECIAL 48"X48"

W3-2

STD. 36"X36"
SPECIAL 48"X48"

W4-2



STD. 36"X36"
FWY. 48"X48"

W5-1

STD. 36"X36"
SPECIAL 48"X48"

W6-3

EXPWY. 36"X36"
SPECIAL 48"X48"

W8-7

EXPWY. 36"X36"
FWY. 48"X48"

W9-2

STD. 36"X36"
FWY. 48"X48"

W13-1

STD. 24"X24"

W20-1

STD. 48"X48"

W20-2

STD. 48"X48"

W20-3

STD. 48"X48"

W20-4

STD. 48"X48"

W20-5

STD. 48"X48"

W20-7a

STD. 36"X36"
FWY. 48"X48"

W21-2

STD. 30"X30"
SPECIAL 36"X36"

W21-5

STD. 30"X30"
SPECIAL 36"X36"

W24-1

STD. 36"X36"

W1-4b

STD. 48"X48"

R56-1

STD. 18"X18"

W8-11

STD. 36"X36"
FWY. 48"X48"

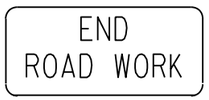
W8-9

STD. 36"X36"
FWY. 48"X48"

G20-1

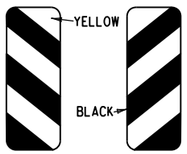
60"X24"

G20-2



48"X24"

OM-3L OM-3R



12"X36"

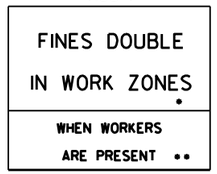
M4-9

STD. 30"X24"
SPECIAL 48"X36"
SPECIAL 60"X48"

M4-10

48"X18"

R55-1



36"X60"

• USE 6" C LETTERS
•• USE 4" D LETTERS

ADVANCE DISTANCES
(XXXX)

500 FT	½ MILE
1000 FT	¾ MILE
1500 FT	1 MILE AHEAD

GENERAL NOTES:

1. ALL TRAFFIC CONTROL DEVICES USED ON ROAD CONSTRUCTION SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION, AND TO THE STANDARD HIGHWAY SIGNS, LATEST EDITION, OR AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION.

2. TRAFFIC CONTROL DEVICES SHALL BE SET UP JUST BEFORE THE START OF CONSTRUCTION OPERATIONS AND SHALL BE PROPERLY MAINTAINED DURING THE TIME SUCH CONDITIONS EXIST. THEY SHALL REMAIN IN PLACE ONLY AS LONG AS NEEDED AND REMOVED THEREAFTER.

3. EXISTING SIGNS AND CONSTRUCTION SIGNS SHALL BE KEPT IN PROPER POSITION, AND BE CLEAN AND LEGIBLE AT ALL TIMES. SIGNS THAT DO NOT APPLY TO EXISTING CONDITIONS SHALL BE REMOVED. SIGNS THAT ARE DAMAGED, DEFACED, OR THAT ACCUMULATE DIRT DURING CONSTRUCTION SHALL BE CLEANED, REPAIRED, OR REPLACED.

• 4. SIGNS ARE USUALLY MOUNTED ON A SINGLE POST, ALTHOUGH THOSE WIDER THAN 36" OR LARGER THAN 10 SQ. FT. SHALL BE MOUNTED ON TWO POSTS OR ABOVE A TYPE III BARRICADE.

• 5. SIGN POSTS DIRECT BURIED IN SOIL SHALL BE 2 LB. MINIMUM CHANNEL POST OR 4"x4" WOOD POSTS. CHANNEL POSTS SHALL BE PAINTED GREEN. WOOD POSTS SHALL BE PAINTED WHITE. ALL POSTS SHALL BE NEATLY CONSTRUCTED, AND SHALL BE REPLUMBED, CLEANED, OR REPAIRED AS NEEDED FOR THE DURATION OF THE JOB. THERE SHALL NOT BE MORE THAN 2 POSTS IN A 7' PATH FOR WOOD OR CHANNEL POSTS. ANY CHANNEL POST SPLICE SHALL BE IN ACCORDANCE WITH STANDARD DRAWING TC-3.

6. POST MOUNTED SIGNS IN RURAL AREAS SHALL BE CONSTRUCTED WITH THE NEAR EDGE OF THE SIGN FROM 6 TO 12 FEET FROM THE PAVEMENT EDGE. SIGNS IN URBAN AREAS AND BARRICADE MOUNTED SIGNS SHALL BE MOUNTED A MINIMUM OF 2 FEET FROM THE PAVEMENT EDGE.

7. ALL POST AND BARRICADE MOUNTED SIGNS MOUNTED IN URBAN AREAS SHALL BE MOUNTED A MINIMUM DISTANCE OF 7' FROM THE BOTTOM OF THE SIGN TO THE ROADWAY SURFACE. ALL POST AND BARRICADE MOUNTED SIGNS MOUNTED IN RURAL AREAS SHALL BE MOUNTED A MINIMUM DISTANCE OF 7' FROM THE BOTTOM OF THE SIGN TO THE ROADWAY SURFACE, EXCEPT A MINIMUM OF 6' SHALL BE USED WHEN MOUNTING AN ADVISORY SIGN BELOW A WARNING SIGN. TEMPORARY SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS FOR INTERMEDIATE TERM STATIONARY WORK CONDITIONS. THE SIGNS MINIMUM MOUNTING HEIGHT SHALL BE 5'. RETROREFLECTIVE DEVICES SHALL BE USED. TEMPORARY SIGNS MAY BE MOUNTED ON PORTABLE SUPPORTS FOR SHORT-TERM, SHORT DURATION, AND MOBILE CONDITIONS. THEY SHALL BE NO LESS THAN ONE (1) FOOT ABOVE THE TRAVELED WAY. LONG-TERM STATIONARY SIGNS SHALL BE DIRECT BURIED IN SOIL, UNLESS CONDITIONS NECESSITATE THE USE OF PORTABLE SIGNS, OR AS APPROVED BY THE ENGINEER. CONCRETE PADS, CONCRETE OR ROCK BALLAST, OR OTHER SOLID MATERIALS SHALL NOT BE UTILIZED WITH PORTABLE SIGN SUPPORTS.

8. FLAGGERS SHALL USE REFLECTORIZED STOP-SLOW PADDLES. FLAGS MAY BE USED ONLY FOR EMERGENCY SITUATIONS.

9. MOST OF THE SIGNS SHOWN ARE ORIENTED TO THE RIGHT. HOWEVER, THIS DOES NOT PRECLUDE THE USE OF MIRROR IMAGES OF THESE SIGNS WHERE THE REVERSE ORIENTATION MIGHT BETTER CONVEY TO MOTORISTS THE PROPER DIRECTION OF MOVEMENT.

10. R55-1 SIGNS SHALL BE PLACED AT LEAST 1500' BUT NOT MORE THAN 1 MILE IN ADVANCE OF THE WORK ZONE. IF A SPEED LIMIT REDUCTION IS IN EFFECT, THE SIGN SHALL BE PLACED A MINIMUM OF 500' IN ADVANCE OF THE "REDUCED SPEED AHEAD" SIGN.

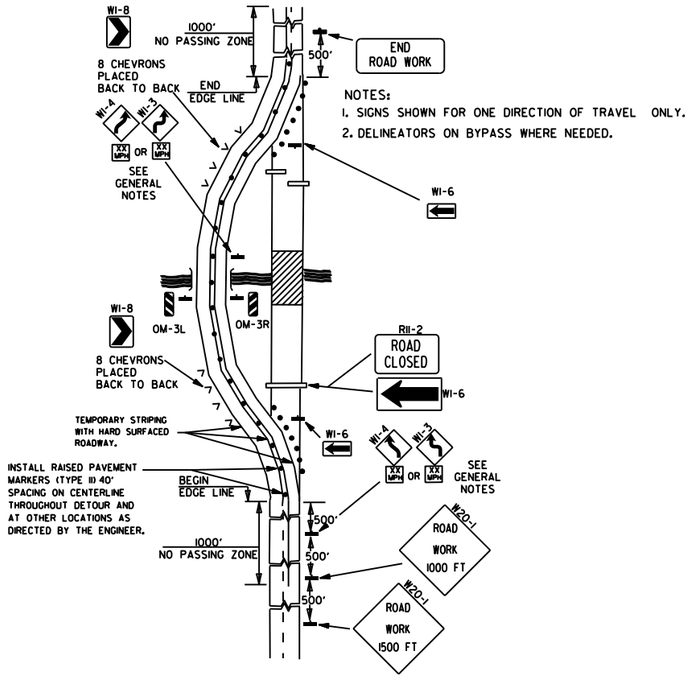
• NOTE: SUPPORTS FOR SIGNS, BARRICADES, AND VERTICAL PANELS THAT ARE DIFFERENT FROM THE REQUIREMENTS SHOWN IN NOTES 4 & 5, BUT MEET THE REQUIREMENTS OF MANUAL FOR ASSESSING SAFETY HARDWARE (MASH), WILL BE ACCEPTED. COMPLIANCE WITH THE REQUIREMENTS OF MANUAL FOR ASSESSING SAFETY HARDWARE (MASH) IS REQUIRED FOR ALL PROJECTS.

DATE	REVISION	FILMED
11-07-19	REVISED FOR MASH	
4-13-17	DELETED RSP-1 & ADDED W21-5a	
9-2-15	REVISED REDUCED SPEED LIMIT AHEAD SIGNS REVISED ROAD WORK NEXT XX MILES	
12-15-11	REVISED W24-1	
11-17-10	DELETED W8-9a & ADDED W8-9	
10-15-09	ADDED REFERENCE TO MASH & ADDED SIGN W24-1	
4-17-08	REVISED SIGN DESIGNATIONS	
11-18-04	REVISED NOTES	
10-9-03	REVISED NOTE 1	
11-16-01	REVISED NOTE 7	
9-28-00	REVISED NOTE	
11-18-98	ADDED NOTE	
6-26-97	REVISED NOTE 5	
4-03-97	REVISED NOTE 5	
10-18-96	ADDED CONTROLLED ACCESS HWY. SIGN & TO NOTE 7	
10-12-95	ADDED R55-1	
6-8-95	REVISED TO CORRECT SIGN ILLUSTRATIONS	6-8-95
2-2-95	REVISED PER PART VI, MUTCD SEPT. 3, 1993	
8-15-91	DRAWN AND PLACED IN USE	

ARKANSAS STATE HIGHWAY COMMISSION

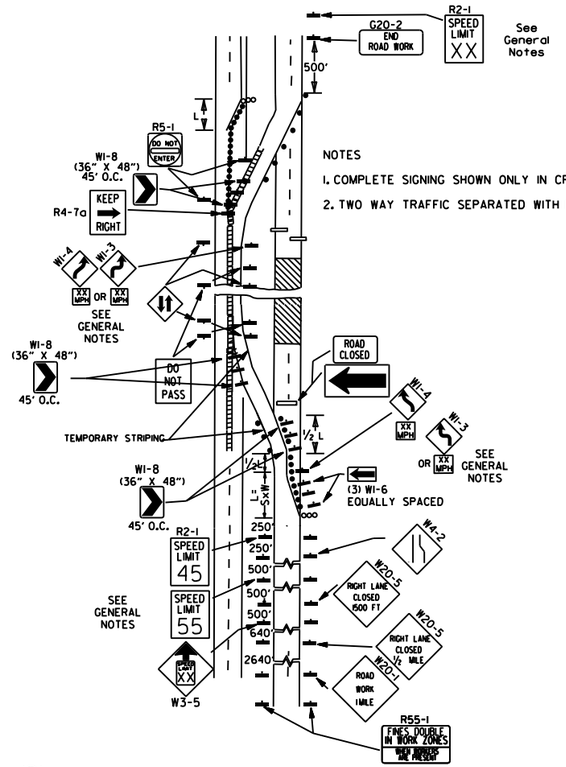
STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION

STANDARD DRAWING TC-1



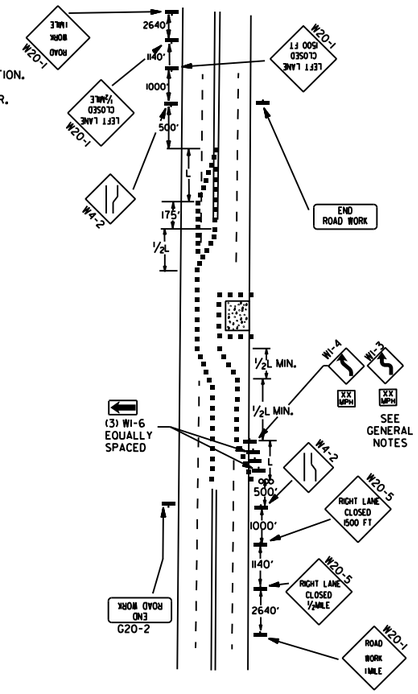
NOTES:
1. SIGNS SHOWN FOR ONE DIRECTION OF TRAVEL ONLY.
2. DELINEATORS ON BYPASS WHERE NEEDED.

(A) TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES ON A 2-LANE HIGHWAY WHERE THE ENTIRE ROADWAY IS CLOSED AND A BYPASS DETOUR IS PROVIDED.

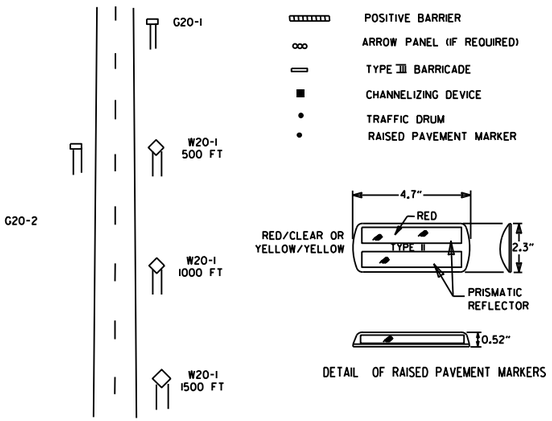


NOTES
1. COMPLETE SIGNING SHOWN ONLY IN CROSSOVER DIRECTION.
2. TWO WAY TRAFFIC SEPARATED WITH POSITIVE BARRIER.

(B) TYPICAL APPLICATION - 4-LANE DIVIDED ROADWAY WHERE ONE ROADWAY IS CLOSED.



(C) TYPICAL APPLICATION - 4-LANE UNDIVIDED ROADWAY WHERE HALF OF THE ROADWAY IS CLOSED.



TYPICAL ADVANCE WARNING SIGN PLACEMENT

TAPER FORMULAE:

L=SXW FOR SPEEDS OF 45MPH OR MORE.

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

WHERE:

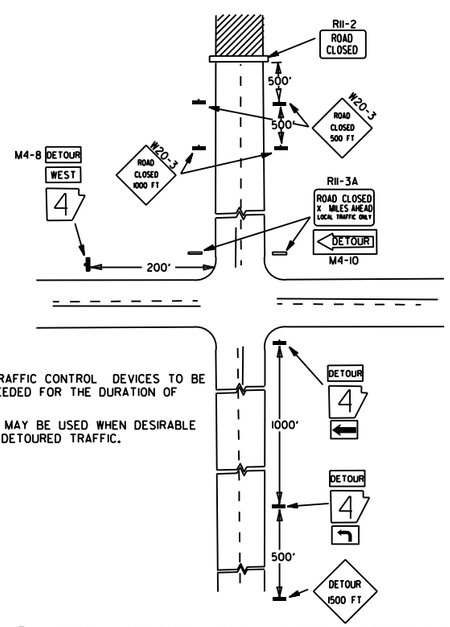
L= MINIMUM LENGTH OF TAPER.

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

W= WIDTH OF OFFSET.

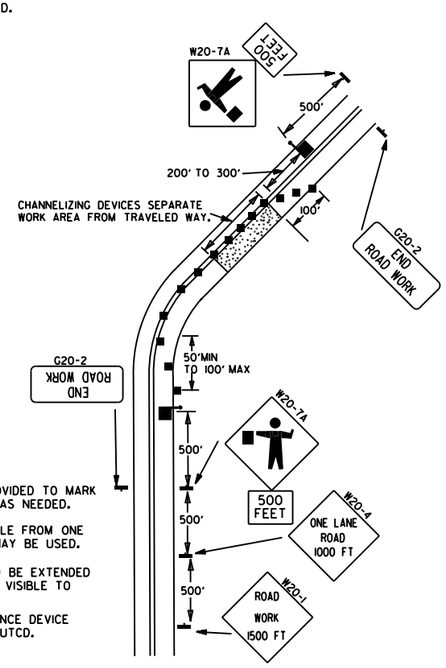
GENERAL NOTES:

1. THE MAINTENANCE DIVISION SHALL CONDUCT A BALL BANK STUDY TO DETERMINE THE ADVISORY SPEED LIMIT PRIOR TO OPENING TO TRAFFIC. THE ADVISORY SPEED WILL BE POSTED ON W1-3 OR W1-4 CURVE WARNING SIGNS. USE W1-4 WHEN SPEED IS GREATER THAN 30MPH AND W1-3 WHEN 30MPH OR LESS
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 W3-5 SHALL BE INSTALLED AT THAT LOCATION. ADDITIONAL R2-1 45MPH SPEED LIMIT SIGNS SHALL BE INSTALLED AT A MAXIMUM OF 1MILE INTERVALS. AT THE END OF THE WORK AREA A R2-1(XX) SHALL BE INSTALLED TO MATCH ORIGINAL SPEED LIMIT.
3. WHEN THE EXISTING SPEED LIMIT IS 65MPH AND THE PLANS REQUIRE A SPEED LIMIT OF 55MPH, THE R2-1(45) SHALL BE OMITTED. ADDITIONAL R2-1 55MPH SPEED LIMIT SIGNS SHALL BE INSTALLED AT A MAXIMUM OF 1MILE INTERVALS. AT THE END OF THE WORK AREA A R2-1(XX) 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 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. 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.
8. 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 ARDOT QUALIFIED PRODUCTS LIST.
9. ALL TRAILER MOUNTED DEVICES SUCH AS ARROW PANELS AND PORTABLE CHANGEABLE MESSAGE SIGNS SHALL MEET THE REQUIREMENTS OF THE MANUAL FOR ASSESSING SAFETY HARDWARE (MASH).



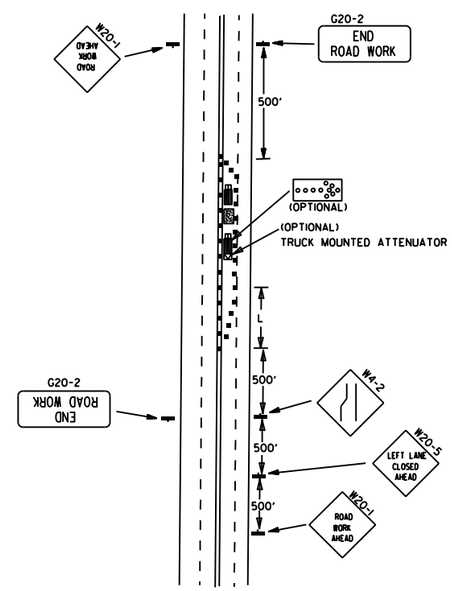
NOTES:
1. REGULATORY TRAFFIC CONTROL DEVICES TO BE MODIFIED AS NEEDED FOR THE DURATION OF THE DETOUR.
2. STREET NAMES MAY BE USED WHEN DESIRABLE FOR DIRECTING DETOURED TRAFFIC.

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



NOTES:
1. 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.
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.



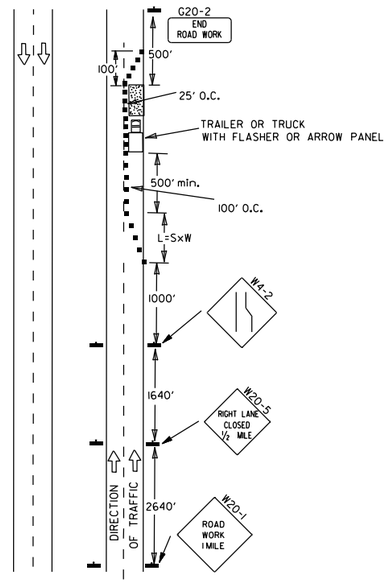
(F) TYPICAL APPLICATION - 4-LANE UNDIVIDED ROADWAY WITH INSIDE LANE CLOSED.

DATE	REVISION	FILMED
11-07-19	REVISED NOTE 1, ADDED NOTE 9	
9-2-15	REVISED NOTE 2, ADDED NOTE 8, REVISED DRAWING (A) & REPLACED R2-5A WITH W3-5	
9-12-13	REVISED DETAIL OF RAISED PAVEMENT MARKERS	
3-11-10	ADDED (AFAD)	
11-20-08	REVISED SIGN DESIGNATIONS	
11-18-04	ADDED GENERAL NOTE	
10-18-96	ADDED R55-1	
4-26-96	CORRECTED (a) BEHIND G20-2	
6-8-95	CORRECTED SIGN IDENT. ON W1-4A	6-8-95
2-2-95	REVISED PER PART VI, MUTCD, SEPT. 3, 1993	
8-15-91	DRAWN AND PLACED IN USE	

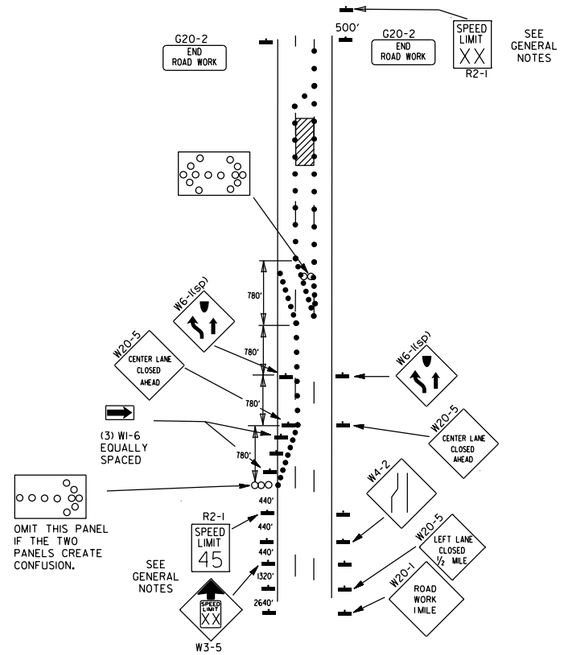
ARKANSAS STATE HIGHWAY COMMISSION

STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION

STANDARD DRAWING TC-2



(A) TYPICAL APPLICATION - DAYTIME MAINTENANCE OPERATIONS OF SHORT DURATION ON A 4-LANE DIVIDED ROADWAY WHERE HALF OF THE ROADWAY IS CLOSED.



(B) TYPICAL APPLICATION - 3-LANE ONEWAY ROADWAY WHERE CENTER LANE IS CLOSED.

KEY:

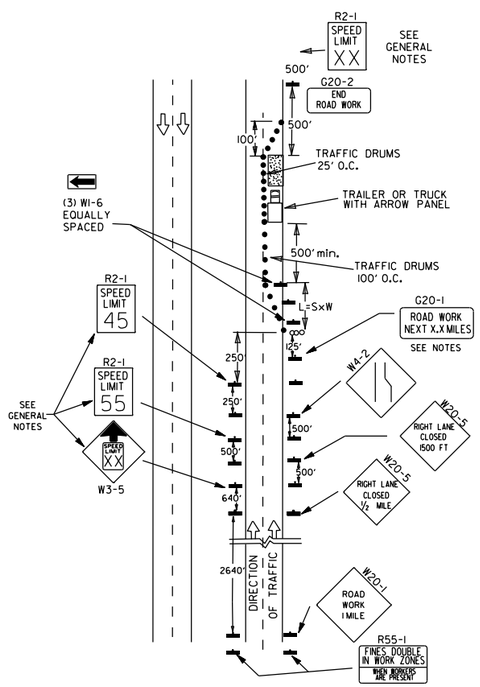
ooo ARROW PANEL (IF REQUIRED)

■ CHANNELIZING DEVICE

● TRAFFIC DRUM

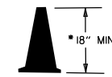
GENERAL NOTES:

1. 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 W3-5 SHALL BE INSTALLED AT THAT LOCATION. ADDITIONAL R2-1 45MPH SPEED LIMIT SIGNS SHALL BE INSTALLED AT A MAXIMUM OF 1MILE INTERVALS. AT THE END OF THE WORK AREA A R2-1(XX) SHALL BE INSTALLED TO MATCH ORIGINAL SPEED LIMIT.
3. WHEN THE EXISTING SPEED LIMIT IS 65MPH AND THE PLANS REQUIRE A SPEED LIMIT OF 55MPH, THE R2-1(45) SHALL BE OMITTED. ADDITIONAL R2-1 55MPH SPEED LIMIT SIGNS SHALL BE INSTALLED AT A MAXIMUM OF 1MILE INTERVALS. AT THE END OF THE WORK AREA A R2-1(XX) 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 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 G20-1 SIGN WILL BE REQUIRED ON JOBS OF OVER TWO MILES IN LENGTH. WHEN THE LANE CLOSURE IS NOT AT THE BEGINNING OF THE PROJECT, THE G20-1 SIGN SHALL BE ERECTED 125' IN ADVANCE OF THE JOB LIMIT. ADDITIONAL W20-1 (1 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 MANUAL FOR ASSESSING SAFETY HARDWARE (MASH).
10. 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.
11. ALL TRAILER MOUNTED DEVICES SUCH AS ARROW PANELS AND PORTABLE CHANGEABLE MESSAGE SIGNS SHALL MEET THE REQUIREMENTS OF THE MANUAL FOR ASSESSING SAFETY HARDWARE (MASH).



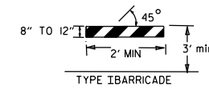
(C) TYPICAL APPLICATION - CONSTRUCTION OPERATIONS OF INTERMEDIATE TO LONG TERM DURATION ON A 4-LANE DIVIDED ROADWAY WHERE HALF OF THE ROADWAY IS CLOSED.

CHANNELIZING DEVICES



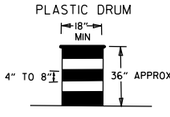
- WHEN CONES ARE USED ON FREEWAYS AND MULTI-LANE HIGHWAYS, THEY SHALL BE 28" MIN. DURING HOURS OF DARKNESS, 28" CONES SHALL BE USED ON ALL ROADWAYS, AND SHALL BE REFLECTORIZED IN ACCORDANCE WITH THE M.U.T.C.D.

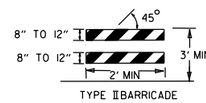
CONES



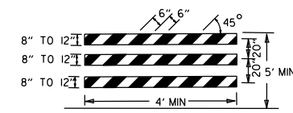
TYPE I BARRICADE

PLASTIC DRUM



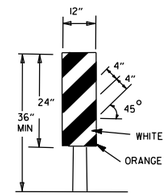


TYPE II BARRICADE



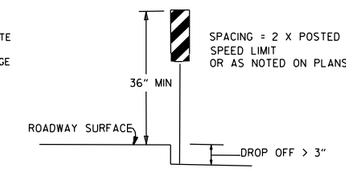
TYPE III BARRICADE

NOTE:
FOR ALL ROAD CLOSURES, THE TYPE III BARRICADES SHALL BE OF SUFFICIENT LENGTH TO EXTEND ACROSS ENTIRE ROADWAY.

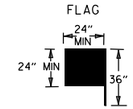


VERTICAL PANEL
VP-1R

VERTICAL PANEL PLACEMENT



FLAG



FLAG SHALL BE OF GOOD GRADE RED MATERIAL

TRAFFIC CONTROL DEVICES

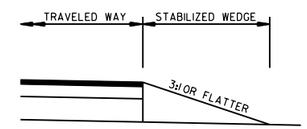
NON-INTERSTATE			
VERTICAL DIFFERENTIAL	LOCATION	TRAFFIC CONTROL	
		≤ 45 MPH	> 45 MPH
≤ 2"	CENTERLINE	W8-11 AND LANE STRIPING	W8-11 AND LANE STRIPING
> 2"	CENTERLINE	STANDARD LANE CLOSURE	STANDARD LANE CLOSURE
≤ 3"	EDGE OF TRAVELED LANE OR EDGE OF SHOULDER	W8-9, EDGE LINE STRIPING, AND VERTICAL PANELS	W8-9, EDGE LINE STRIPING, AND VERTICAL PANELS
> 3" ≤ 6"	EDGE OF TRAVELED LANE OR EDGE OF SHOULDER	W8-17, EDGE LINE STRIPING, AND VERTICAL PANELS	W8-17, EDGE LINE STRIPING, AND VERTICAL PANELS
> 6" ≤ 18"	EDGE OF TRAVELED LANE OR EDGE OF SHOULDER	W8-17, EDGE LINE STRIPING, AND TRAFFIC DRUMS(1)	W8-17, EDGE LINE STRIPING, AND TRAFFIC DRUMS(2)
> 18" ≤ 24"	EDGE OF TRAVELED LANE OR EDGE OF SHOULDER	W8-17, EDGE LINE STRIPING, AND TRAFFIC DRUMS(1)	A STABILIZED WEDGE, W8-17, EDGE LINE STRIPING AND TRAFFIC DRUMS(3)
> 24"	EDGE OF TRAVELED LANE OR EDGE OF SHOULDER	PRECAST CONCRETE BARRIER(4) & EDGE LINES	PRECAST CONCRETE BARRIER(4) & EDGE LINES

INTERSTATE		
VERTICAL DIFFERENTIAL	LOCATION	TRAFFIC CONTROL
≤ 2"	CENTERLINE	W8-11 AND LANE STRIPING
≤ 2"	EDGE OF TRAVELED LANE OR EDGE OF SHOULDER	W8-9, EDGE LINE STRIPING, AND TRAFFIC DRUMS(2)
> 2" ≤ 6"	EDGE OF TRAVELED LANE OR EDGE OF SHOULDER	W8-17, EDGE LINE STRIPING, AND TRAFFIC DRUMS(2)
> 6"	EDGE OF TRAVELED LANE OR EDGE OF SHOULDER	PRECAST CONCRETE BARRIER & EDGE LINES

INTERSTATE AND NON-INTERSTATE		
FORESLOPE	HEIGHT	TRAFFIC CONTROL
1:1	> 2 FT	PRECAST CONCRETE BARRIER
2:1	≤ 5 FT	TRAFFIC DRUMS
2:1	> 5 FT	PRECAST CONCRETE BARRIER
Flatter than 2:1	N/A	TRAFFIC DRUMS

GENERAL NOTES:

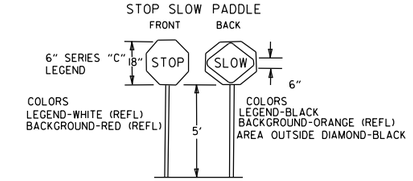
1. WHEN THE SHOULDER AREA IS USED AS PART OF THE TRAVELED LANE AND THERE IS INSUFFICIENT WIDTH TO PLACE TRAFFIC DRUMS ON THE REMAINING SHOULDER WIDTH, THEN VERTICAL PANELS SHALL BE USED.
2. WHEN THERE IS INSUFFICIENT WIDTH TO PLACE TRAFFIC DRUMS ON THE REMAINING SHOULDER WIDTH, A STABILIZED WEDGE SHALL BE USED.
3. PRECAST CONCRETE BARRIER WALL CAN BE USED IN LIEU OF A STABILIZED WEDGE, W8-17 SIGN, EDGE LINE STRIPING, AND TRAFFIC DRUMS, IF AND WHERE DIRECTED BY THE ENGINEER.
4. A STABILIZED WEDGE, W8-17 SIGN, EDGE LINE STRIPING, AND TRAFFIC DRUMS CAN BE USED IN LIEU OF PRECAST CONCRETE BARRIER WALL, IF AND WHERE DIRECTED BY THE ENGINEER.
5. W21-5, W21-5a, AND/OR W21-5b SIGNS SHALL BE USED WHERE THE ROADWAY IS UNOBSTRUCTED IF AND WHERE DIRECTED BY THE ENGINEER.



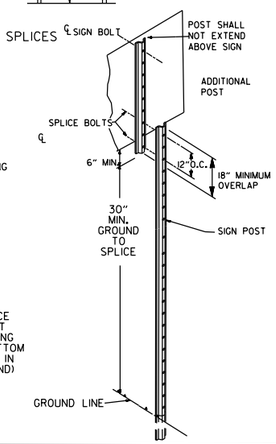
STABILIZED WEDGE

NOTE:
MATERIALS FOR THE STABILIZED WEDGE SHALL MEET THE REQUIREMENTS PROVIDED IN SECTION 603.02 OF THE STANDARD SPECIFICATIONS.

STOP SLOW PADDLE



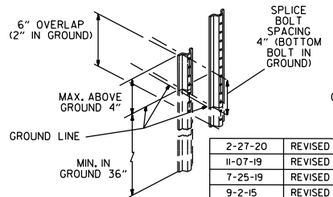
DETAIL OF SPLICES

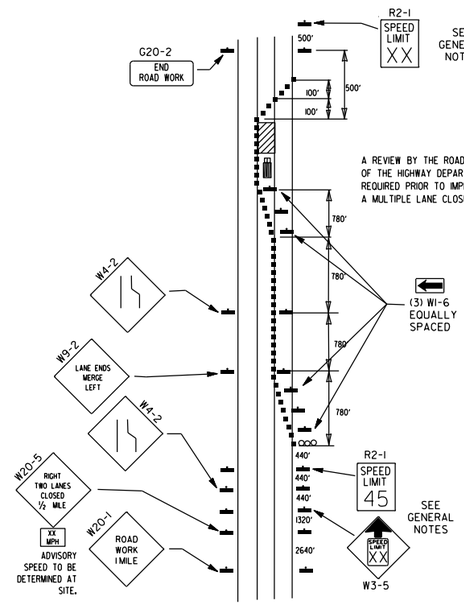


NOTES: USE SPLICES ONLY WHEN NECESSARY FOR INSTALLATION. TYPICAL INSTALLATION SHOULD HAVE NO SPLICES (SEE STD. DRAWING NO. SHS-2)

NORMAL INSTALLATIONS WILL REQUIRE 1/4" DIA. BOLTS TO MOUNT SIGNS TO POST AND 5/16" DIA. BOLTS TO ASSEMBLE THE VARIOUS POST SUPPORTS. EACH OF THESE BOLTS SHALL BE CARRIAGE BOLTS.

SIGN POSTS SHALL BE PAINTED GREEN; SIGNS SHALL NOT BE PAINTED, AND ALL SIGN POSTS SHALL BE PLUMB.





A REVIEW BY THE ROADWAY DESIGN DIVISION OF THE HIGHWAY DEPARTMENT WILL BE REQUIRED PRIOR TO IMPLEMENTING A MULTIPLE LANE CLOSURE.

(D) TYPICAL APPLICATION - CLOSING MULTIPLE LANES OF A MULTILANE HIGHWAY.

DATE	REVISION	FILMED
2-27-20	REVISED TRAFFIC CONTROL DEVICES DETAILS	
11-07-19	REVISED NOTE 9, ADDED NOTE 11	
7-25-19	REVISED TRAFFIC CONTROL DEVICES DETAILS	
9-2-15	REVISED NOTE 2 & REPLACED R2-5A WITH W3-5	
10-15-09	ADDED REFERENCE TO MASH	
11-20-08	REVISED SIGN DESIGNATIONS	
11-18-04	ADDED NOTE	
10-1-98	ADDED NOTE	
4-03-97	ADDED (SP) TO W6-1 & REVISED TRAFFIC CONTROL DEVICES NOTE	
10-18-96	ADDED R55-1	
10-12-95	MOVED UPPER SPLICE	
6-8-95	REVISED SPLICE DETAIL, TEXT	6-8-95
2-2-95	REVISED PER PART VI, MUTCD, SEPT. 3, 1993	
8-15-91	DRAWN AND PLACED IN USE	

ARKANSAS STATE HIGHWAY COMMISSION

STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION

STANDARD DRAWING TC-3