

"A FULLY CONTROLLED ACCESS FACILITY"
 ARKANSAS DEPARTMENT OF TRANSPORTATION
 CONSTRUCTION PLANS FOR STATE HIGHWAY



DISTRICT 9 PAVEMENT FRICTION IMPVTS. (UTBWC) (S)

VARIOUS COUNTIES
 VARIOUS ROUTES VARIOUS SECTIONS

JOB 090742

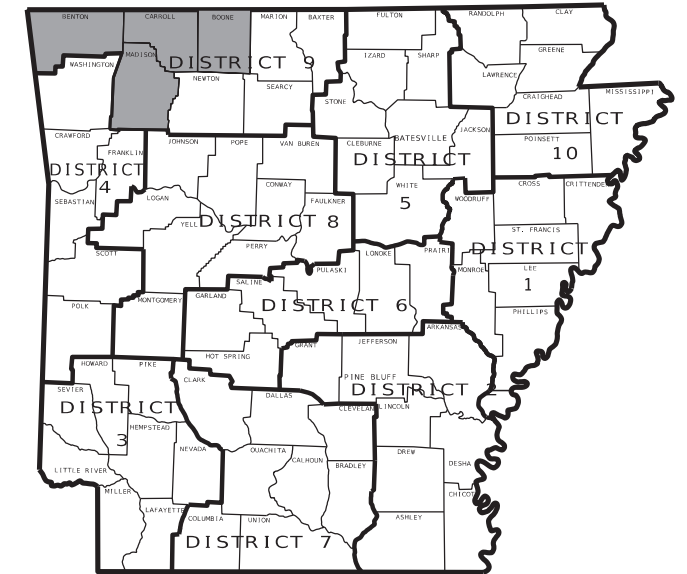
FEDERAL AID PROJ. HSIP-0076(375)

NOT TO SCALE

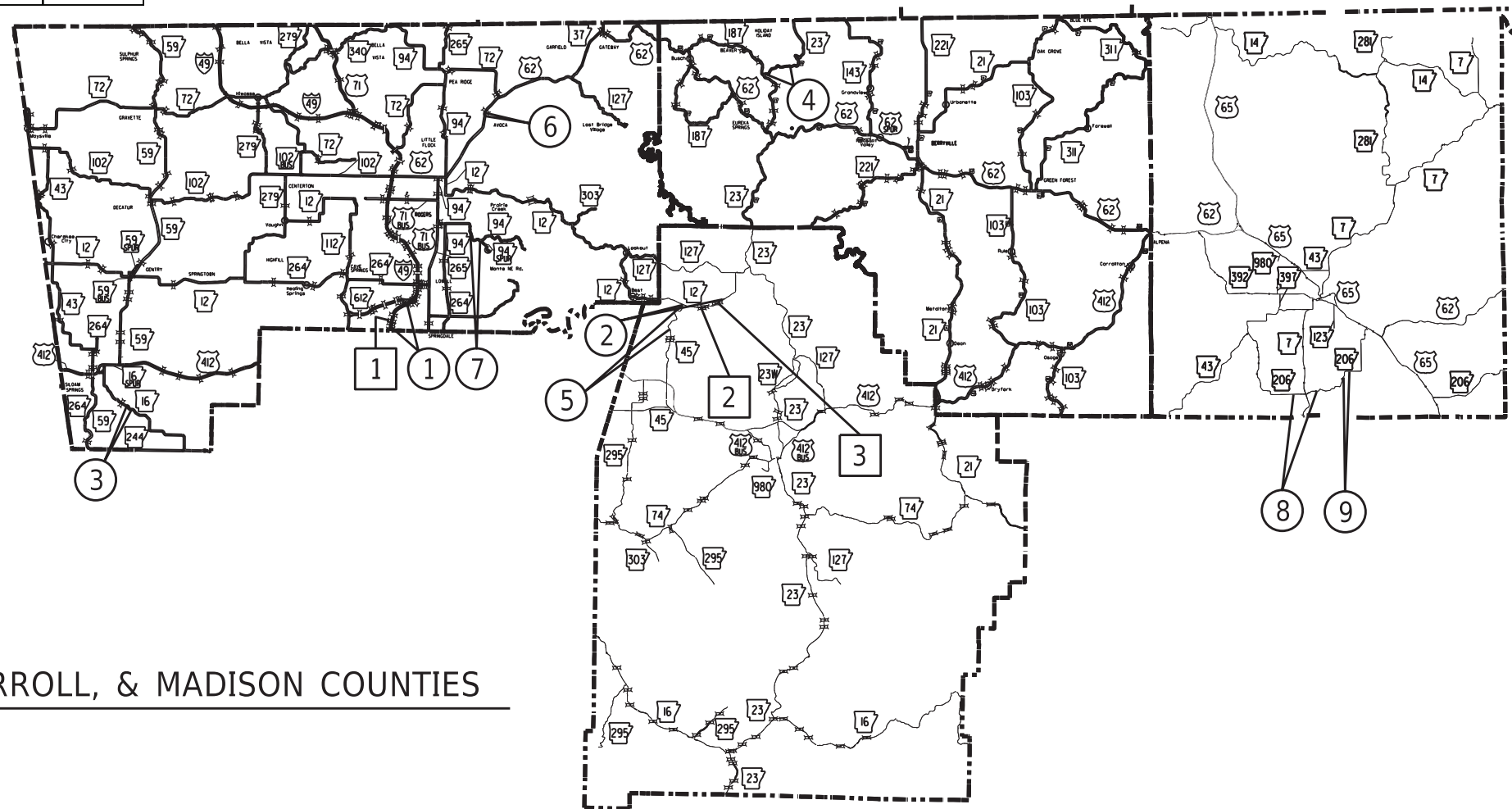
EXCEPTIONS TO JOB 090742 (BRIDGES)

- 1 LOG MILE 74.748 (I-49) BR. END
290' BR. NO. B5946
62'-0" CLEAR ROADWAY
LOG MILE 74.810 (I-49) BR. END
- 2 LOG MILE 3.110 (HWY. 12) BR. END
100' BR. NO. 03870
28'-6" CLEAR ROADWAY
LOG MILE 3.132 (HWY. 12) BR. END
- 3 LOG MILE 4.076 (HWY. 12) BR. END
75' BR. NO. 03871
28'-6" CLEAR ROADWAY
LOG MILE 4.092 (HWY. 12) BR. END

KEY	COUNTY	ROUTE	SECTION	BEGIN LM	END LM
1	BENTON	I-49	29	74.300	76.300
2	MADISON	HWY. 12	4	1.575	4.498
3	BENTON	HWY. 16	1	3.410	3.781
4	CARROLL	HWY. 23	11	4.800	6.680
5	MADISON	HWY. 45	7	3.718	6.110
6	BENTON	HWY. 62	2	8.280	8.637
7	BENTON	HWY. 94	1	4.000	5.220
8	BOONE	HWY. 206	1	6.655	7.809
9	BOONE	HWY. 206	1	10.315	10.927

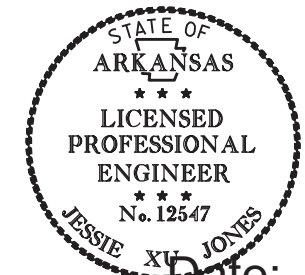


ARK. HWY. DIST. NO. 9



BENTON, BOONE, CARROLL, & MADISON COUNTIES

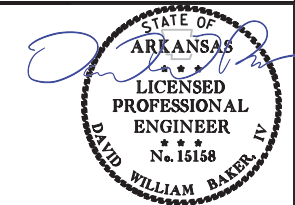
APPROVED



Date: *Jessie XV Jones* 2026.02.19
 11:42:59-06'00'
 CHIEF ENGINEER - PRECONSTRUCTION

BENTON, BOONE, CARROLL, & MADISON COUNTIES					
GROSS LENGTH OF	PROJECT	68159.52 FEET OR	12.909 MILES		
NET	" " ROADWAY	68159.52 " "	12.909 MILES		
NET	" " BRIDGES	0.00 " "	0.0 MILES		
NET	" " PROJECT	68159.52 " "	12.909 MILES		

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	090742	2	30
INDEX, STD.DRAWINGS, GOV.SPECS, & GENERAL NOTES						



Digitally signed by Baker, David W
Date: 2026.03.03 14:08:02-06'00'

GOVERNING SPECIFICATIONS

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

SHEET NO.	INDEX OF SHEETS	TITLE
1	TITLE SHEET	
2	INDEX OF SHEETS AND STANDARD DRAWINGS & GOVERNING SPECIFICATIONS AND GENERAL NOTES	
3 - 6	TYPICAL SECTIONS OF IMPROVEMENT	
7 - 9	SPECIAL DETAILS	
10 - 21	MAINTENANCE OF TRAFFIC DETAILS	
22 - 26	PERMANENT PAVEMENT MARKING DETAILS	
27 - 29	QUANTITIES	
30	SUMMARY OF QUANTITIES AND REVISIONS	

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 - 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 - 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
102-3	PREQUALIFICATION OF BIDDERS
103-2	CONTACT INFORMATION FOR MOTORIST DAMAGE CLAIMS
105-4	MAINTENANCE DURING CONSTRUCTION
107-2	RESTRAINING CONDITIONS
108-1	LIQUIDATED DAMAGES
108-2	WORK ALLOWED PRIOR TO ISSUANCE OF WORK ORDER
108-3	WORK ORDER FOR FIXED COMPLETION DATE CONTRACTS
303-1	AGGREGATE BASE COURSE
306-1	QUALITY CONTROL AND ACCEPTANCE
400-4	DESIGN AND QUALITY CONTROL OF ASPHALT MIXTURES
400-5	PERCENT AIR VOIDS FOR ACHM MIX DESIGNS
400-6	LIQUID ANTI-STRIP ADDITIVE
400-7	TRACKLESS TACK
404-3	DESIGN OF ASPHALT MIXTURES
409-2	ASPHALT LABORATORY FACILITY
410-1	CONSTRUCTION REQUIREMENTS AND ACCEPTANCE OF ASPHALT CONCRETE PLANT MIX COURSES
410-4	EVALUATION OF ACHM SUBLOT REPLACEMENT MATERIAL
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 090742	ASSESSMENT OF WORKING DAYS - MAINTENANCE OF TRAFFIC
JOB 090742	BIDDING REQUIREMENTS AND CONDITIONS
JOB 090742	BUY AMERICA - CONSTRUCTION MATERIALS
JOB 090742	CARGO PREFERENCE ACT REQUIREMENTS
JOB 090742	COLD MILLING - COUNTY PROPERTY
JOB 090742	DOCUMENTATION OF PAYMENTS MADE TO DISADVANTAGED BUSINESS ENTERPRISES
JOB 090742	DOCUMENTATION OF PAYMENTS MADE TO SUBCONTRACTORS
JOB 090742	ELECTRONIC TICKETING SYSTEMS (E-TICKETING)
JOB 090742	ENHANCED THERMOPLASTIC PAVEMENT MARKING
JOB 090742	LIQUIDATED DAMAGES PROCEDURE FOR BID LETTINGS
JOB 090742	LOCAL WORK ZONE LAW ENFORCEMENT
JOB 090742	MAINTENANCE OF TRAFFIC
JOB 090742	MANDATORY ELECTRONIC CONTRACT
JOB 090742	MANDATORY ELECTRONIC DOCUMENT SUBMITTAL
JOB 090742	MOBILE SPEED NOTIFICATION SYSTEM (SPECIAL)
JOB 090742	PRICE ADJUSTMENT FOR ASPHALT BINDER
JOB 090742	PRICE ADJUSTMENT FOR FUEL
JOB 090742	PRIME CONTRACTOR PERFORMANCE EVALUATION
JOB 090742	PROHIBITION OF CERTAIN TELECOMMUNICATIONS AND VIDEO SURVEILLANCE SERVICES OR EQUIPMENT
JOB 090742	ROADWAY CONSTRUCTION CONTROL - PAVEMENT PRESERVATION
JOB 090742	SEQUENCE OF CONSTRUCTION
JOB 090742	SUBMISSION OF ASPHALT CONCRETE HOT MIX ACCEPTANCE TEST RESULTS
JOB 090742	THERMOPLASTIC RUMBLE BAR
JOB 090742	TRAFFIC CONTROL DEVICES IN CONSTRUCTION ZONES
JOB 090742	ULTRATHIN BONDED WEARING COURSE
JOB 090742	UTILITY ADJUSTMENTS
JOB 090742	WARM MIX ASPHALT
JOB 090742	WORK ZONE LAW ENFORCEMENT

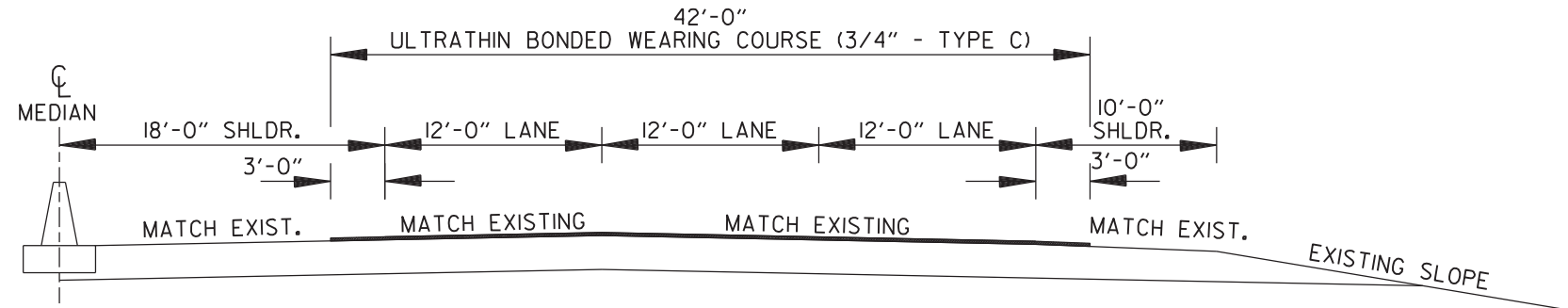
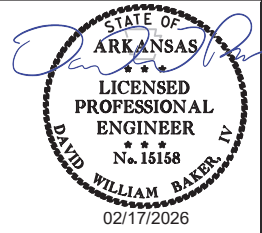
ROADWAY STANDARD DRAWINGS

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	08-14-25
TC-2	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	08-14-25
TC-3	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	08-14-25
TC-6	STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION	01-22-26

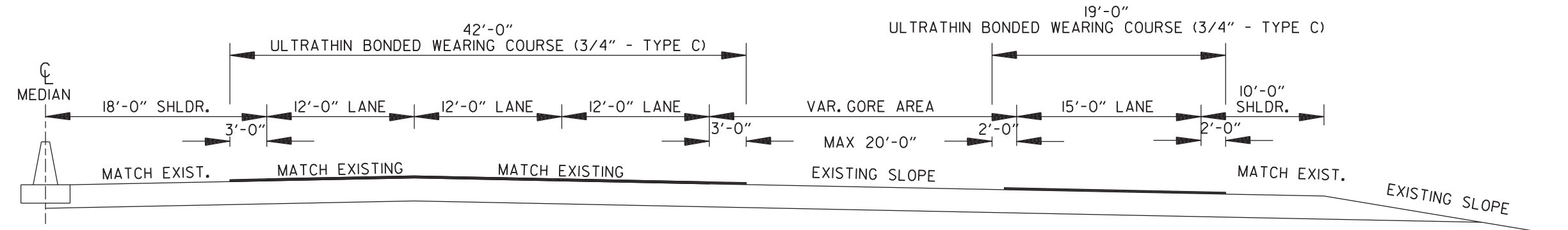
GENERAL NOTES

- 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.
- 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.
- ALL LAND MONUMENTS LOCATED WITHIN THE CONSTRUCTION AREA SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 107.12 OF THE STANDARD SPECIFICATIONS.
- 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 REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	090742	3	30
TYPICAL SECTIONS OF IMPROVEMENT						



I-49 NB SECTION 29
 L.M. 74.300 - 74.885
 L.M. 74.960 - 75.360
 L.M. 75.570 - 75.910
 L.M. 76.120 - 76.300

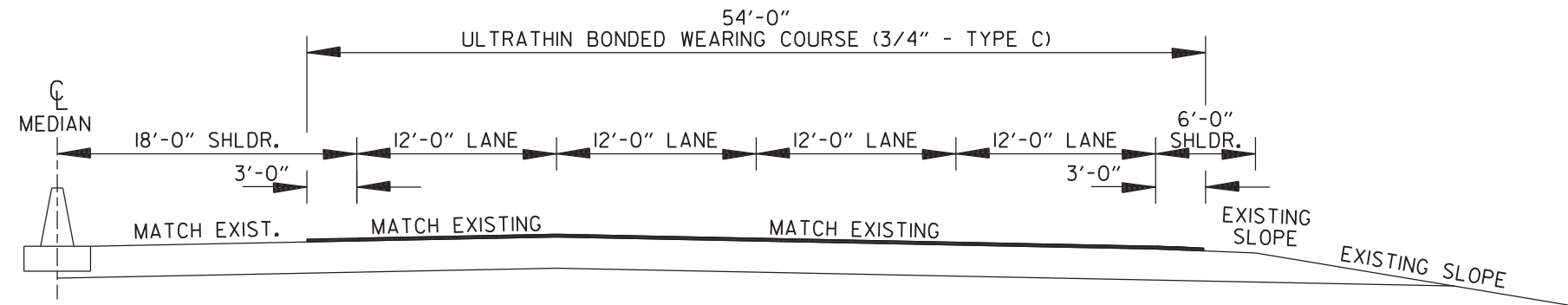
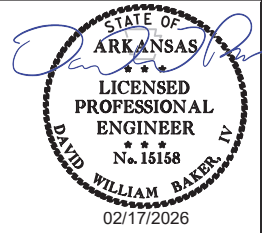


I-49 NB SECTION 29
 L.M. 74.916 - 74.960
 L.M. 75.360 - 75.382

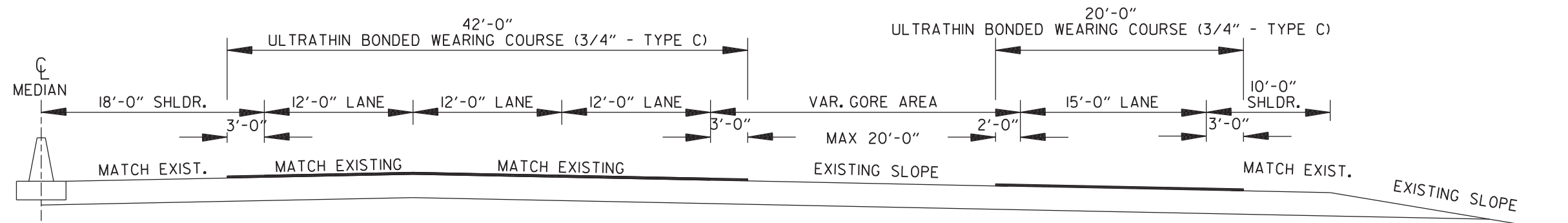
EXCEPTIONS:
 L.M. 74.748 - 74.810

 TRANSITIONS:
 L.M. 74.885 - 74.916
 L.M. 75.514 - 75.570
 L.M. 75.910 - 75.956

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	090742	4	30
TYPICAL SECTIONS OF IMPROVEMENT						



I-49 NB SECTION 29
L.M. 75.382 - 75.514
L.M. 75.956 - 76.065

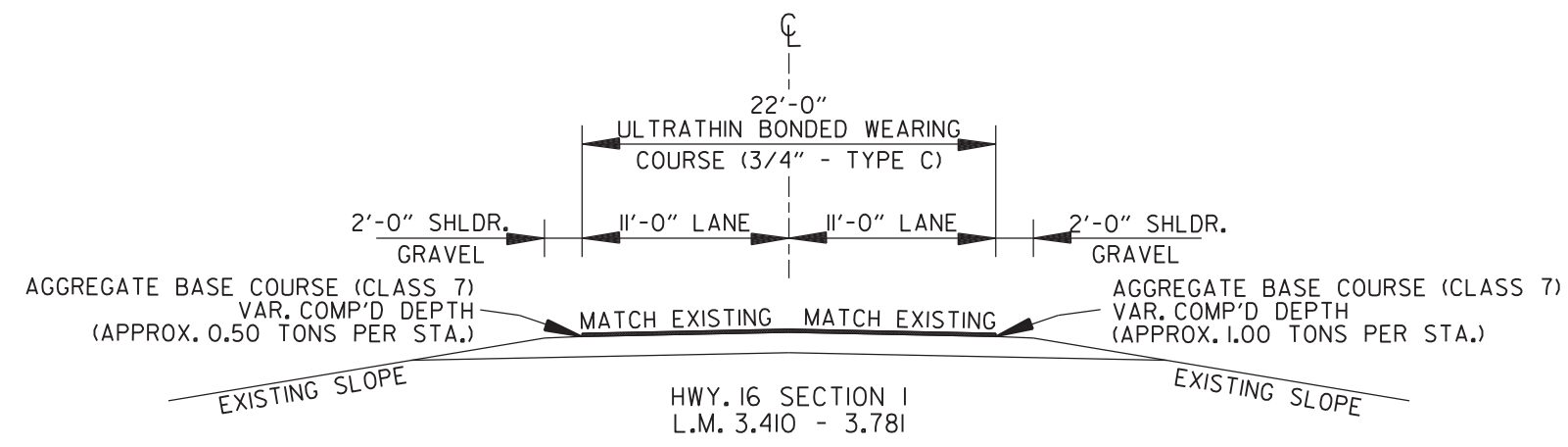
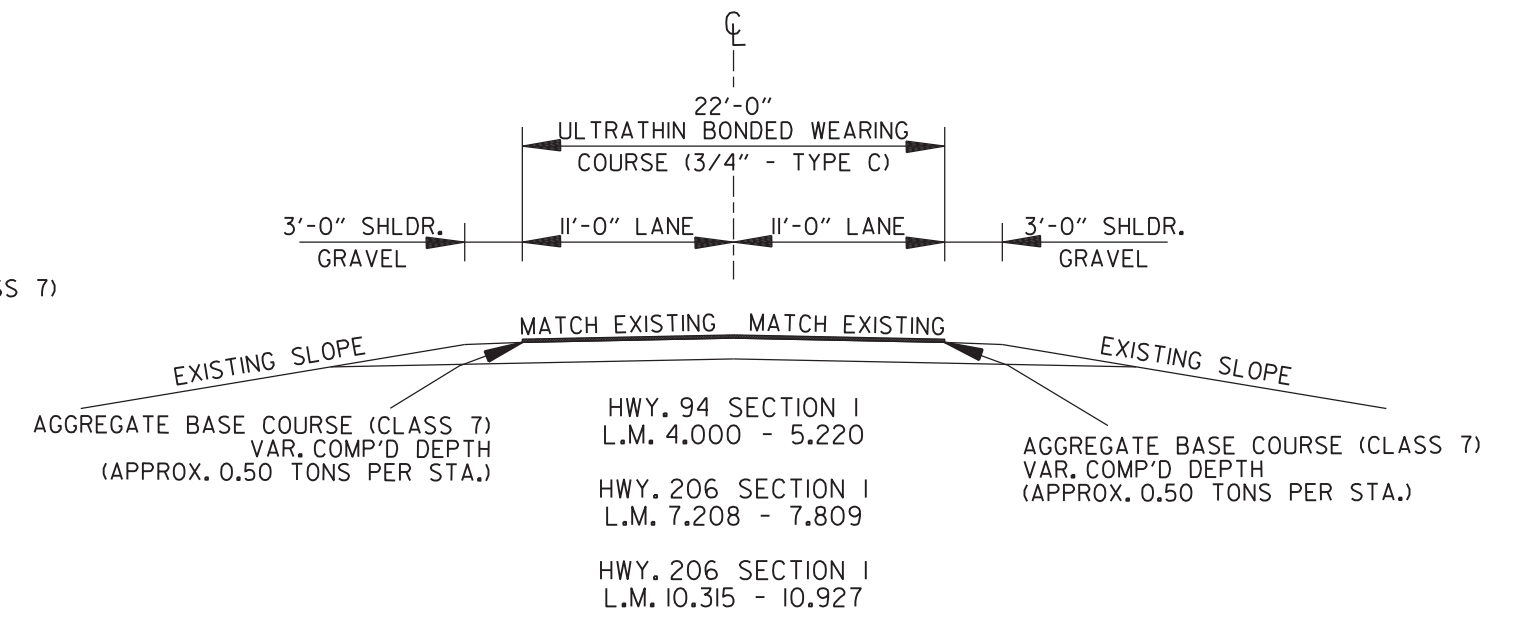
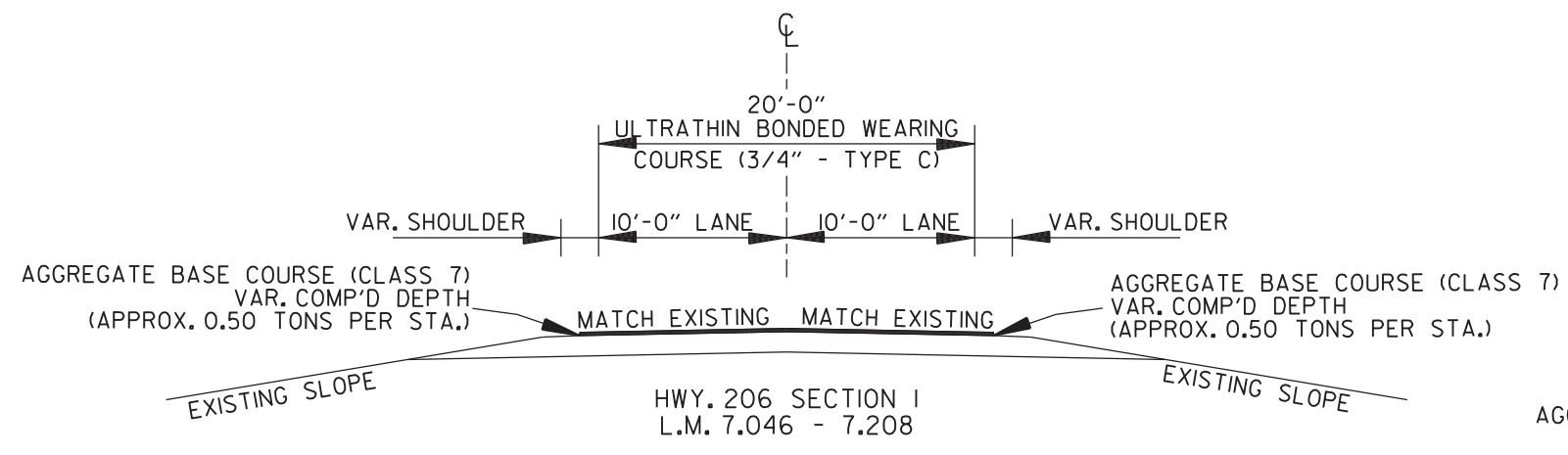
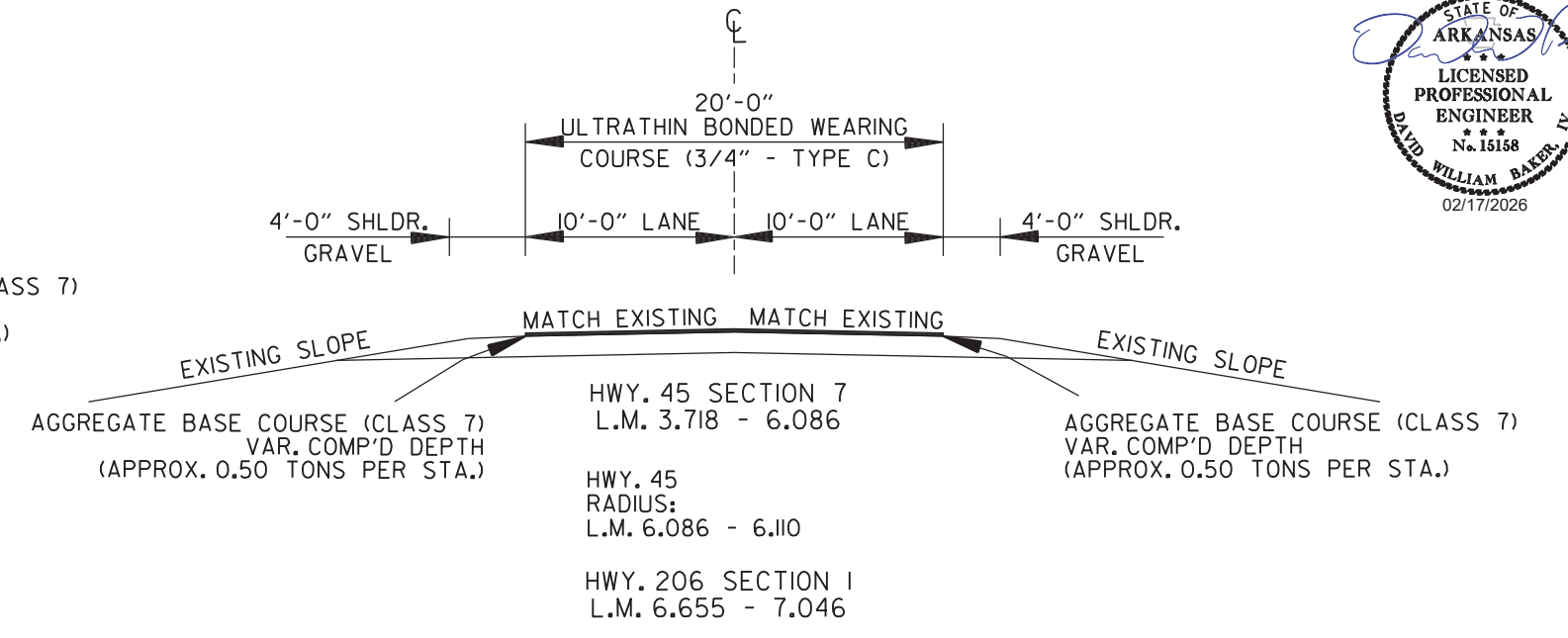
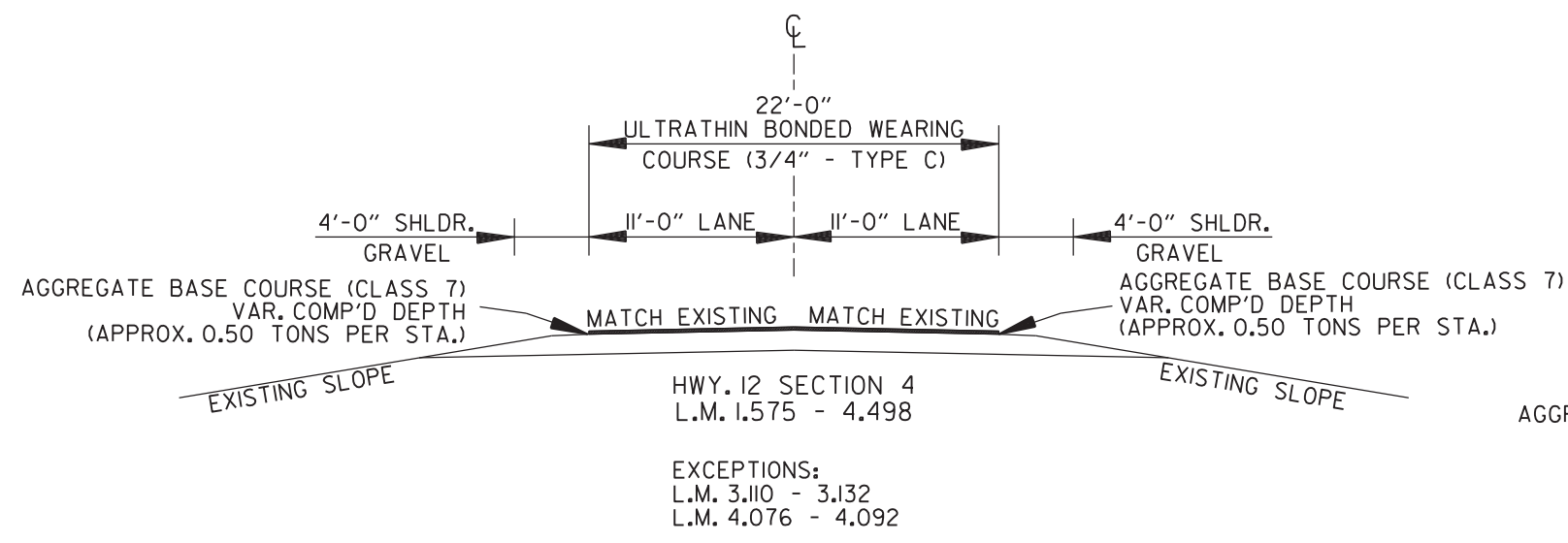
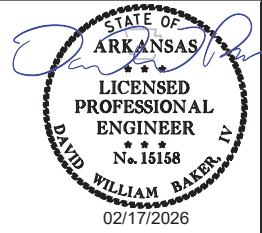


I-49 NB SECTION 29
L.M. 76.065 - 76.120

EXCEPTIONS:
L.M. 74.748 - 74.810

TRANSITIONS:
L.M. 74.885 - 74.916
L.M. 75.514 - 75.570
L.M. 75.910 - 75.956

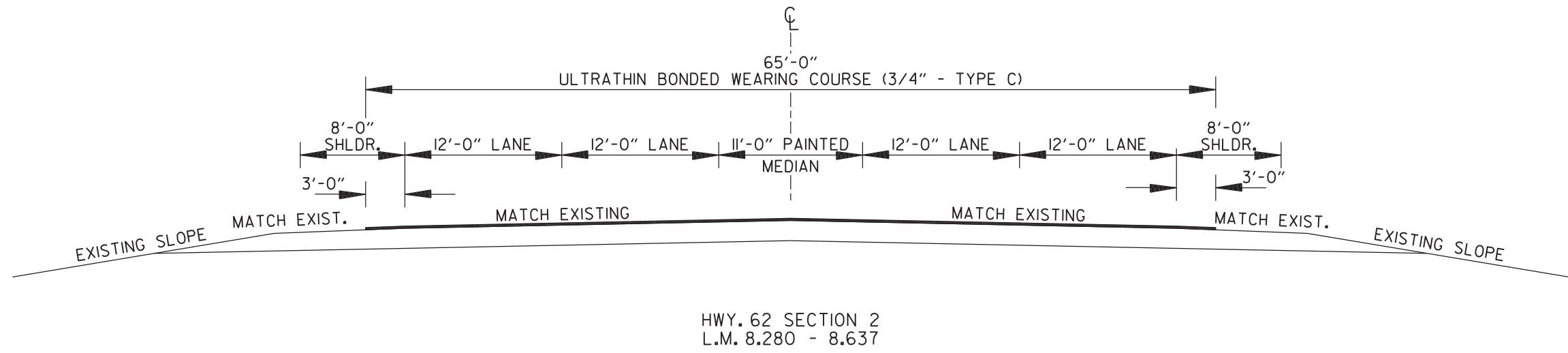
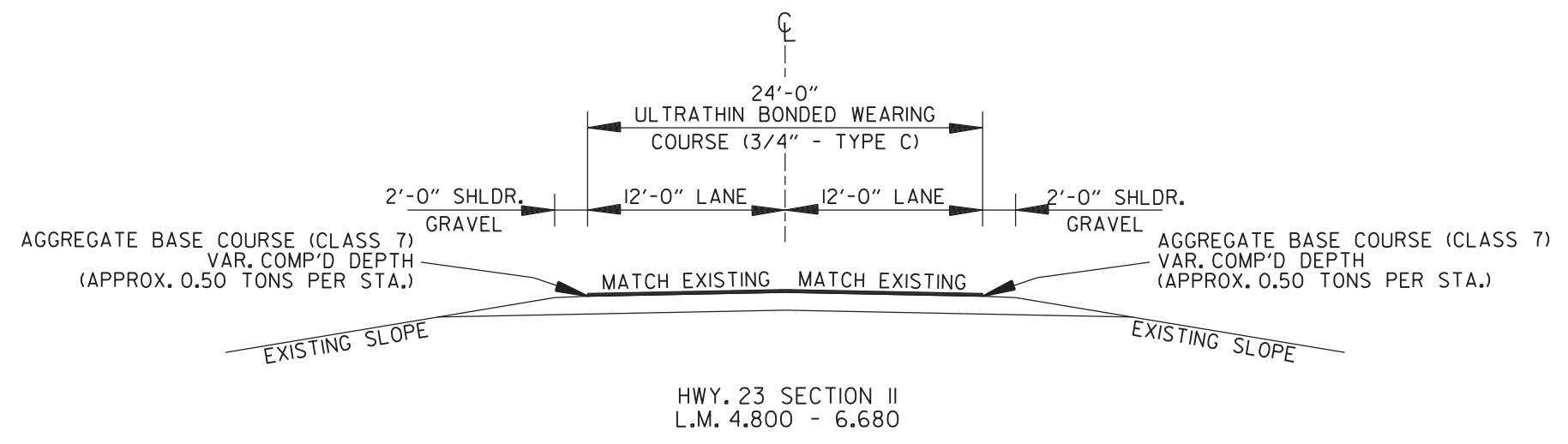
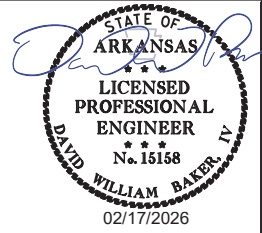
DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	090742	5	30
TYPICAL SECTIONS OF IMPROVEMENT						



TYPICAL SECTIONS OF IMPROVEMENT

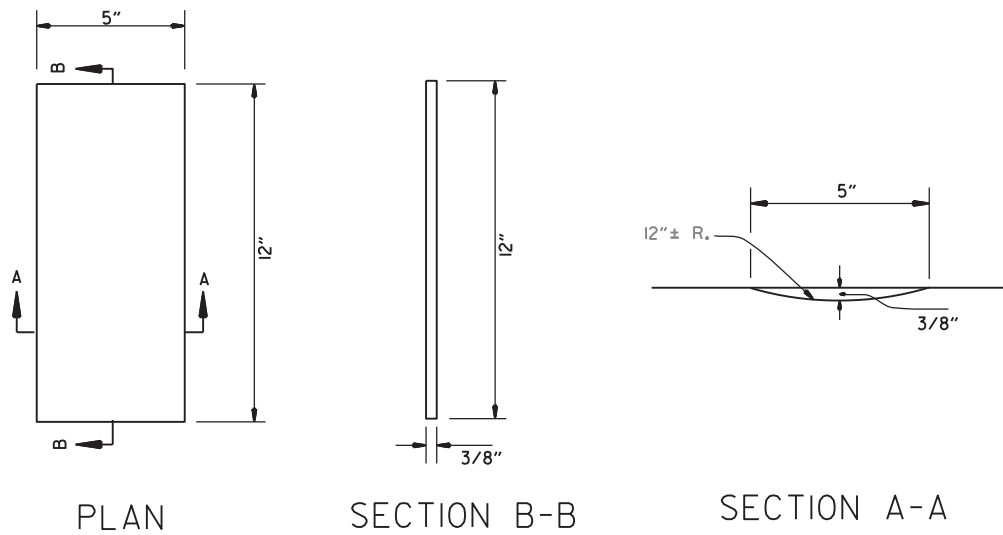
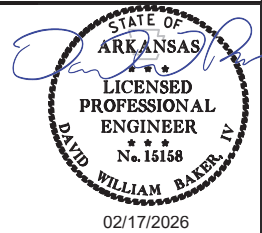
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TYPICAL SECTIONS OF IMPROVEMENT						

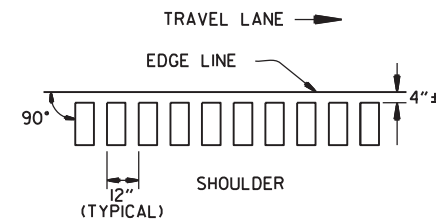


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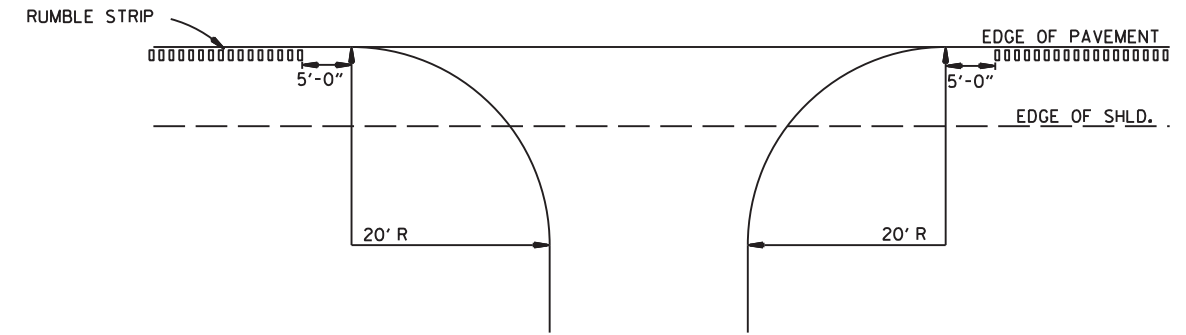
DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	090742	7	30
SPECIAL DETAILS						



DETAILS OF RUMBLE STRIPS



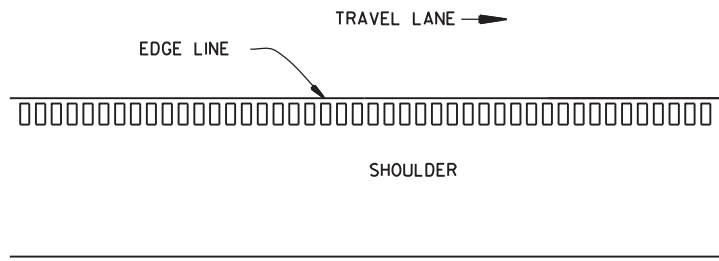
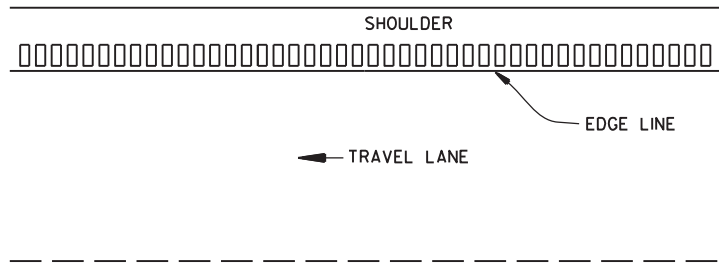
LOCATION PLAN OF RUMBLE STRIPS LEFT OR RIGHT SHOULDER



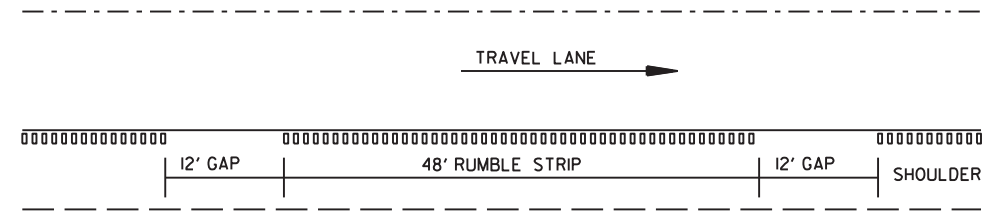
DETAIL FOR RUMBLE STRIP GAP AT DRIVEWAY TURNOUTS

GENERAL NOTES:

- RUMBLE STRIPS SHALL NOT BE INSTALLED ON CURB SECTIONS, BRIDGE DECKS, APPROACH SLABS, INTERSECTING STREETS OR ROADWAYS, RESIDENTIAL OR COMMERCIAL DRIVEWAYS OR ACROSS TRANSVERSE JOINTS OF CONCRETE SHOULDERS.
- RUMBLE STRIPS SHALL NOT BE INSTALLED ON A PAVED SHOULDER THAT IS USED AS A DECELERATION LANE FOR THE LENGTH DEEMED APPROPRIATE BY THE ENGINEER.
- THE 4" OFFSET FROM THE EDGE LINE MAY BE INCREASED TO AVOID LONGITUDINAL JOINTS. IN ALL CASES, THE LATERAL DEVIATION FROM THE PLANNED OFFSET SHOULD BE KEPT TO A MINIMUM.
- RUMBLE STRIPS SHALL BE MEASURED BY THE LINEAR FOOT LONGITUDINALLY ALONG THE SHOULDER. PAYMENT SHALL ONLY INCLUDE THAT PORTION OF THE SHOULDER ON WHICH RUMBLE STRIPS HAVE BEEN CONSTRUCTED. NO MEASUREMENT OR PAYMENT WILL BE MADE FOR GAPS, DRIVEWAYS, TURNOUTS, OR OTHER PUBLIC ROAD INTERSECTIONS WHERE RUMBLE STRIPS HAVE NOT BEEN CONSTRUCTED.
- THE 3/8" DEPTH SHALL GENERALLY APPLY FOR THE ENTIRE 12" LENGTH. SOME VARIATION TO SUIT SHOULDER SLOPE BREAKS MAY BE NECESSARY.



PLAN VIEW

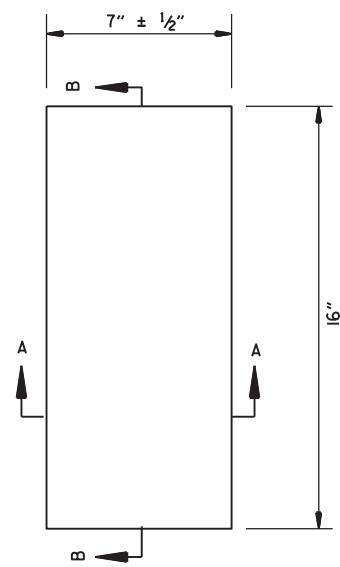


NOTE: GAP PATTERN SHALL BE ADJUSTED BY THE ENGINEER IN THE FIELD ALLOWING FOR DRIVEWAYS TO SERVE AS THE GAP.

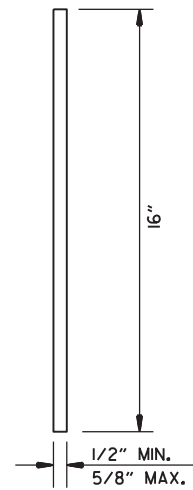
DETAIL FOR GAP PATTERN RUMBLE STRIP

090742 ROADWAY SPECIAL DETAILS.DGN CREATED: 6/19/2025 5:25:11 PM SAVED: 2/11/2026

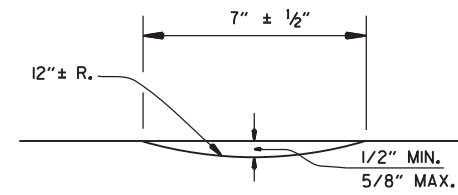
DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	090742	8	30
SPECIAL DETAILS						



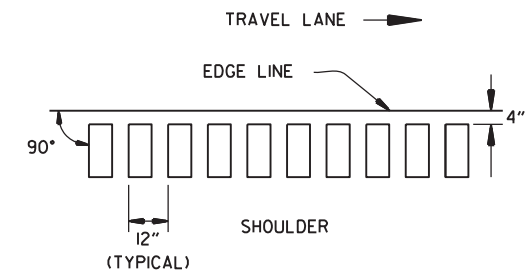
PLAN



SECTION B-B

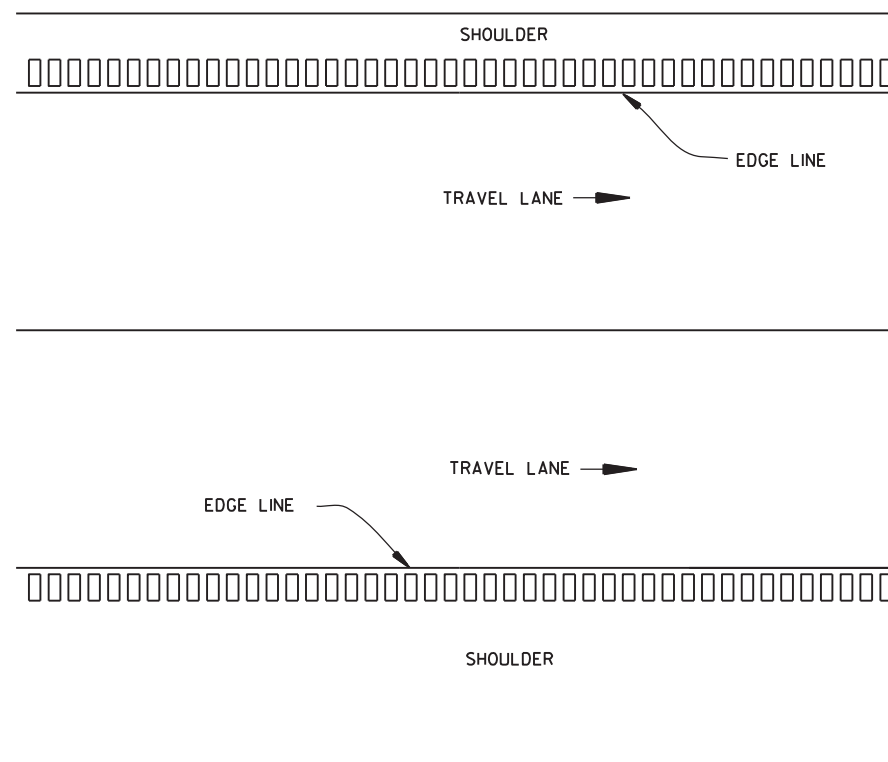


SECTION A-A



LOCATION PLAN OF RUMBLE STRIPS
LEFT OR RIGHT SHOULDER

DETAILS OF RUMBLE STRIPS

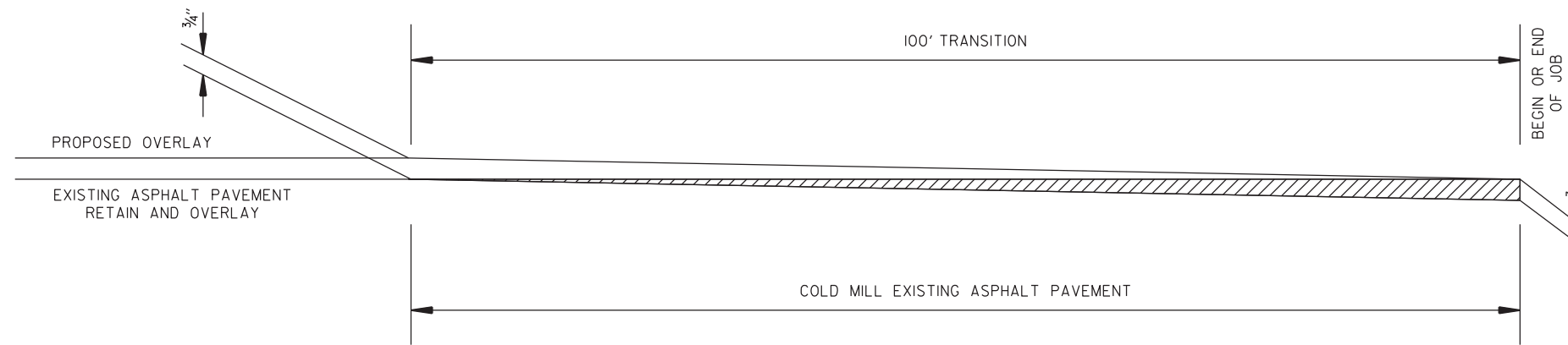


PLAN VIEW

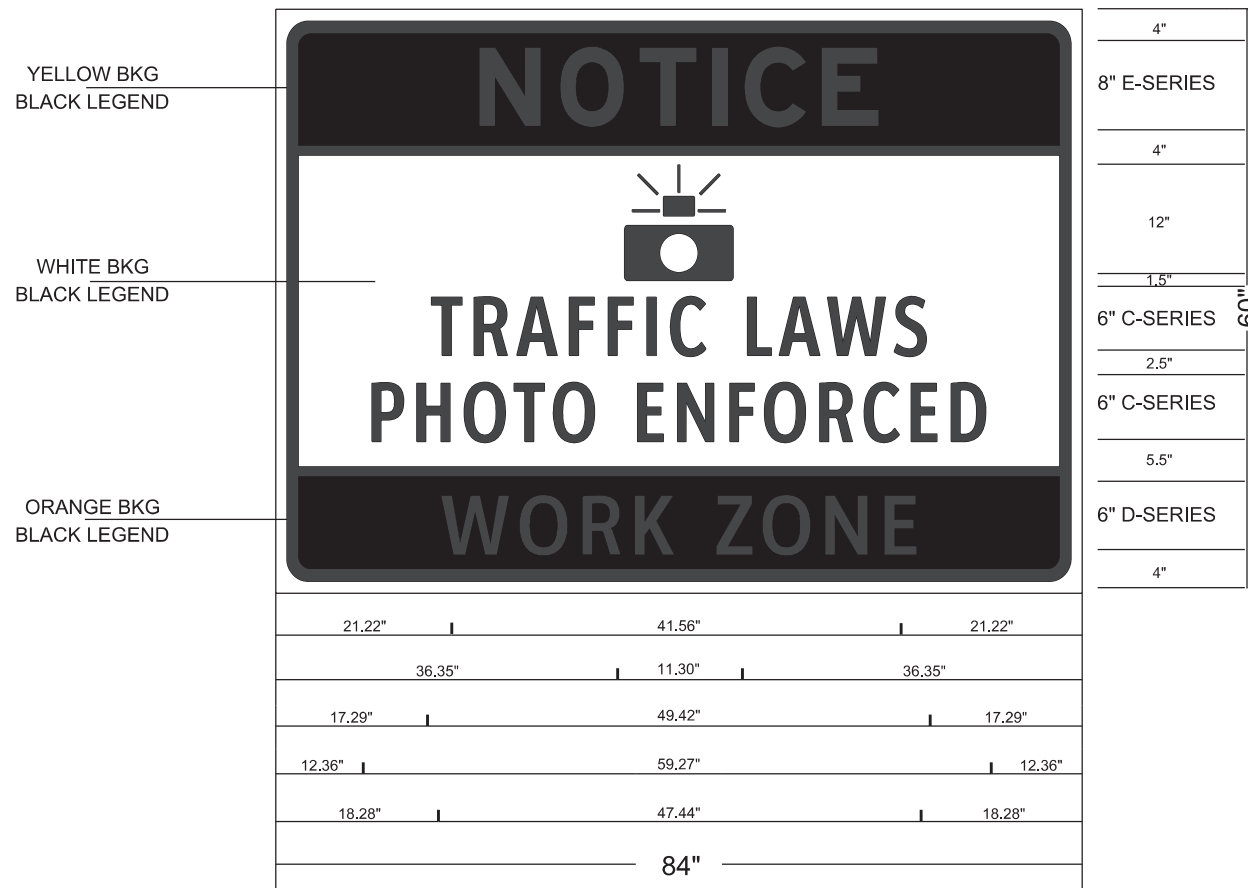
NOTES:

1. ALIGNMENT OF RUMBLE STRIPS SHALL GENERALLY BE STRAIGHT AND OFFSET APPROXIMATELY 4" FROM THE OUTER EDGE OF THE EDGE LINE. THIS OFFSET MAY BE ADJUSTED TO ACCOMMODATE VARIATIONS IN THE EDGE LINE.
2. THE 1/2" DEPTH SHALL GENERALLY APPLY FOR THE ENTIRE 16" LENGTH. SOME VARIATION TO SUIT SHOULDER SLOPE BREAKS MAY BE NECESSARY.
3. RUMBLE STRIPS SHALL NOT BE INSTALLED ON BRIDGE DECKS, APPROACH SLABS, OR ACROSS TRANSVERSE JOINTS OF CONCRETE SHOULDERS.

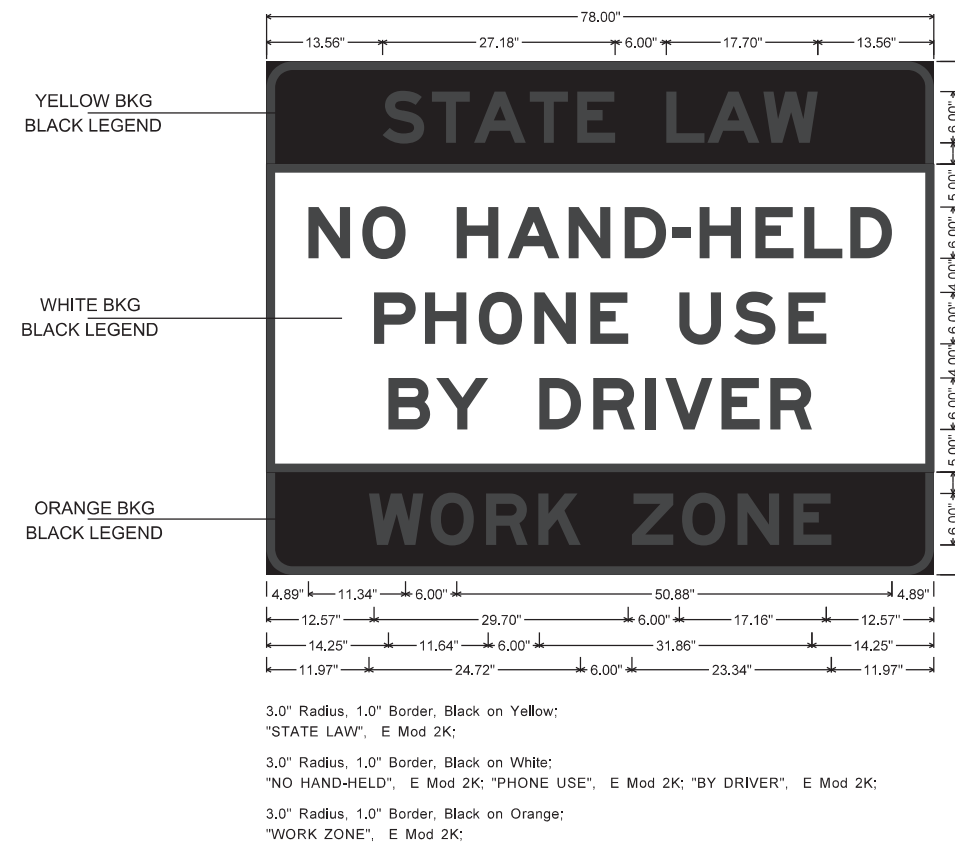
DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	090742	9	30
SPECIAL DETAILS						



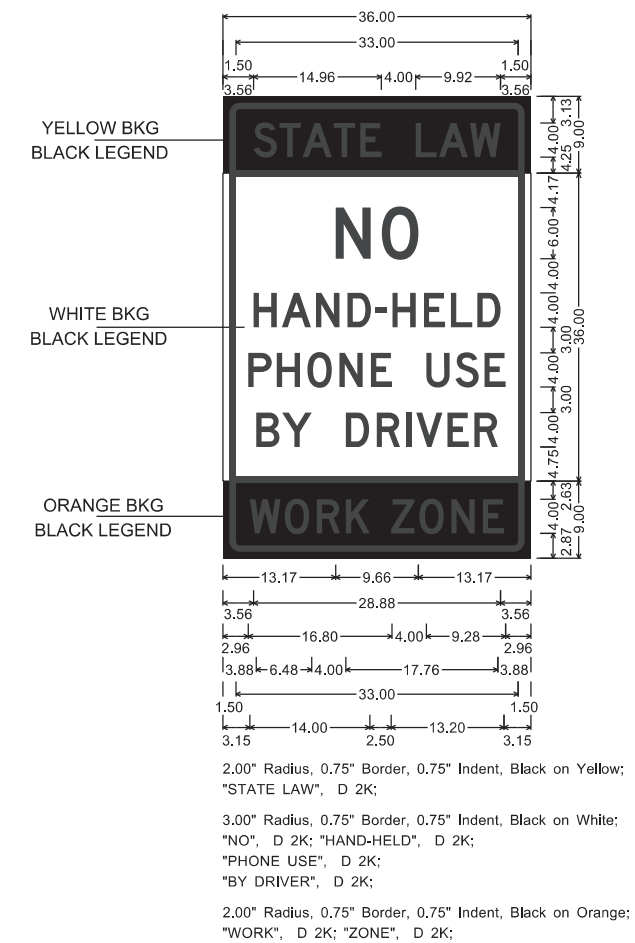
DETAIL FOR TRANSITION - MAIN LANES



WZ-1 (INTERSTATE) SIGN



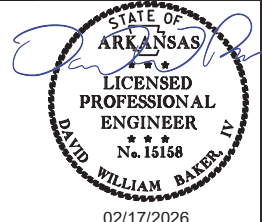
WZ-4 (INTERSTATE) SIGN



WZ-4 (NON-INTERSTATE) SIGN

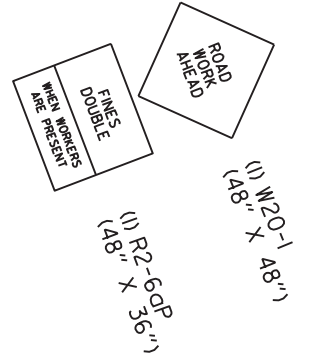
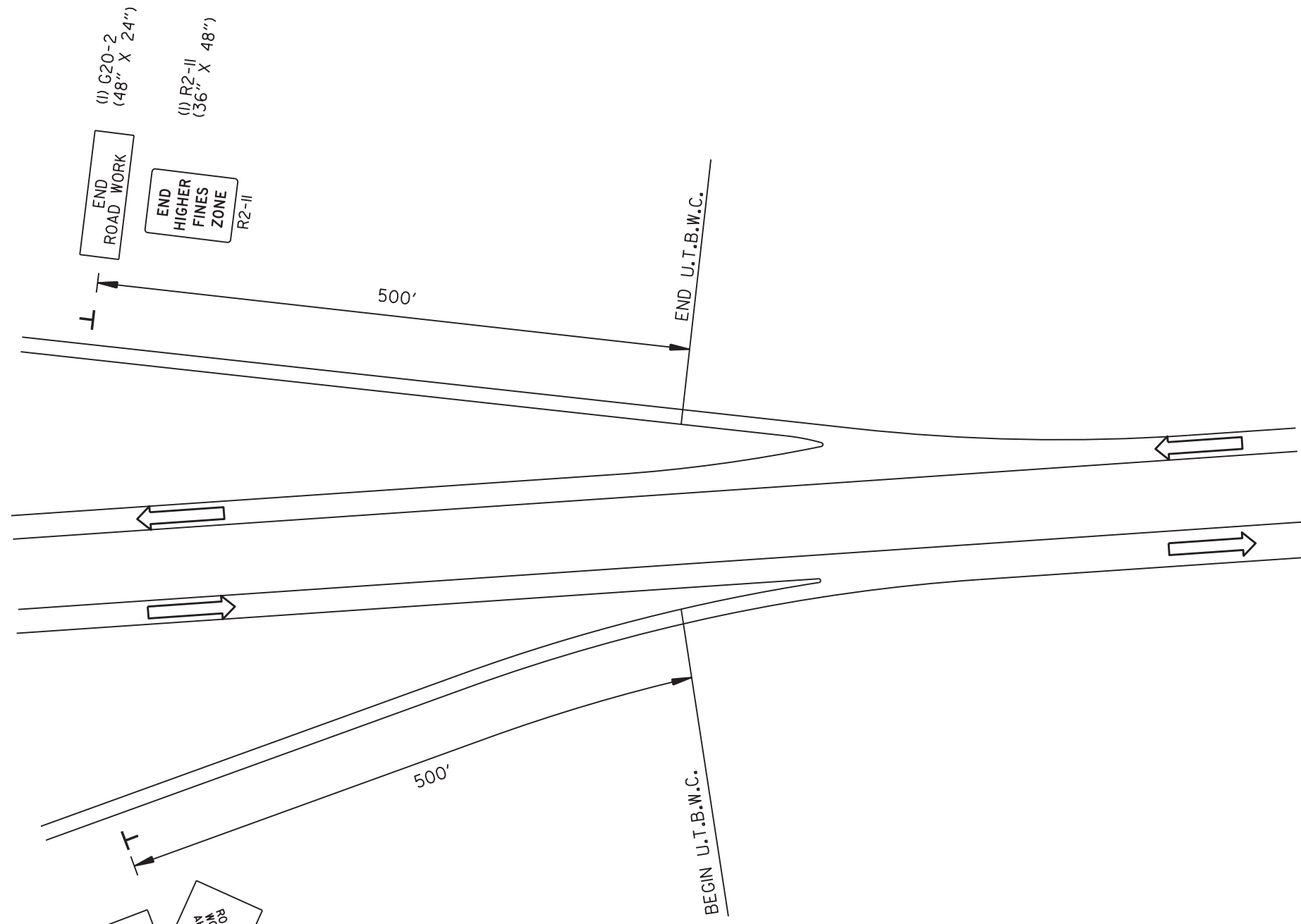
DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	090742	10	30

MAINTENANCE OF TRAFFIC DETAILS

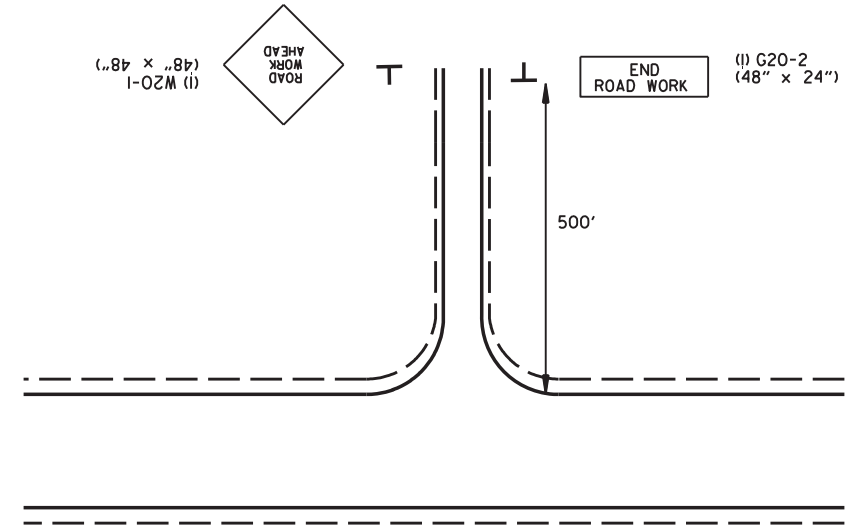


02/17/2026

ADVANCE WARNING SIGNS FOR ENTRANCE AND EXIT RAMP
 ROAD WORK AHEAD (2) = 16 SQ. FT.
 END ROAD WORK (1) = 16 SQ. FT.



DETAIL OF ENTRANCE AND EXIT RAMP
 EXIT 76
 ENTRANCE RAMP FROM WAGON WHEEL RD. TO I-49 NORTH
 EXIT 77



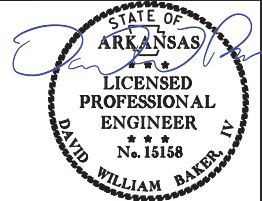
ADVANCE WARNING - SIDE ROADS
 (ALL STAGES)

- RT. 12, SEC.4 LOG MILE 1.609, HWY.45.
- RT. 12, SEC.4 LOG MILE 2.190, COUNTY RD 8252.
- RT. 12, SEC.4 LOG MILE 2.240, COUNTY RD 8409.
- RT. 12, SEC.4 LOG MILE 2.520, COUNTY RD 454.
- RT. 12, SEC.4 LOG MILE 4.020, COUNTY RD 8240.
- RT. 12, SEC.4 LOG MILE 4.300, MADISON 8615 DR.
- LT. 12, SEC.4 LOG MILE 4.387, MADISON 8603 DR.
- RT. 23, SEC.II LOG MILE 6.058, PARKWOOD DR.
- RT. 23, SEC.II LOG MILE 6.270, PARK DR.
- LT.45, SEC.7 LOG MILE 3.911, COUNTY RD 8340.
- LT.45, SEC.7 LOG MILE 4.688, COUNTY RD 8300.
- RT. 94, SEC.I LOG MILE 4.054, RO LYNN DR.
- RT. 94, SEC.I LOG MILE 4.356, EL CAMINO RD.
- RT. 94, SEC.I LOG MILE 5.101, E NECESSARY RD.
- RT. 94, SEC.I LOG MILE 5.192, GRAHAM DR.
- LT.206, SEC.I LOG MILE 7.000, FIRE HOUSE LN.
- LT.206, SEC.I LOG MILE 7.130, HWY.7 S.
- RT.206, SEC.I LOG MILE 7.130, HWY.7 S.
- RT.206, SEC.I LOG MILE 10.411, SKY RD.
- LT.206, SEC.I LOG MILE 10.569, LEGEND LN.
- RT.206, SEC.I LOG MILE 10.586, MYNOR LN.
- LT.206, SEC.I LOG MILE 10.704, WITTY CT.
- LT.206, SEC.I LOG MILE 10.729, UNION RD.

DETAIL OF RAMPS & ADVANCE WARNING
 MAINTENANCE OF TRAFFIC DETAILS

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	090742	13	30

MAINTENANCE OF TRAFFIC DETAILS

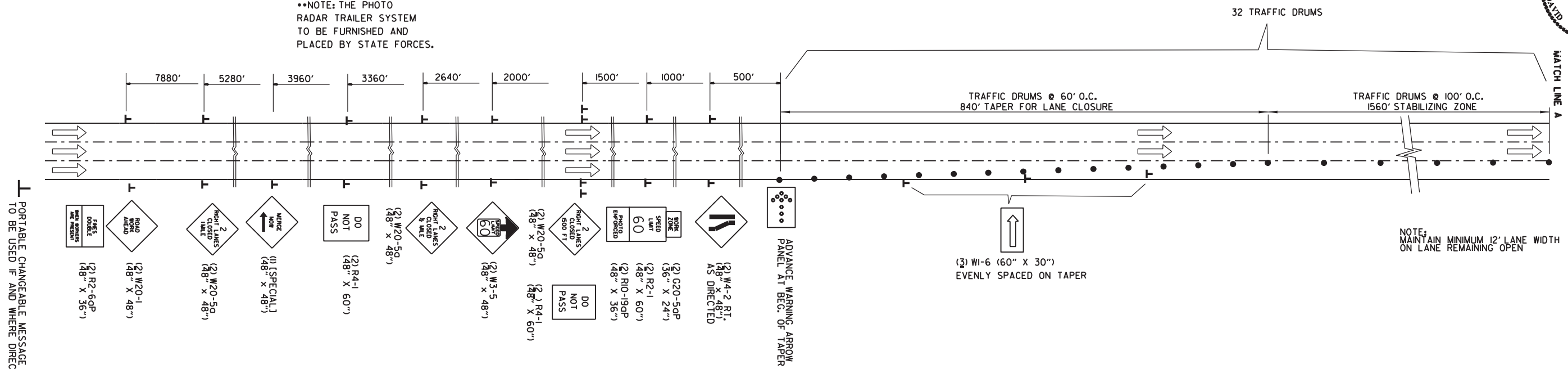


02/17/2026

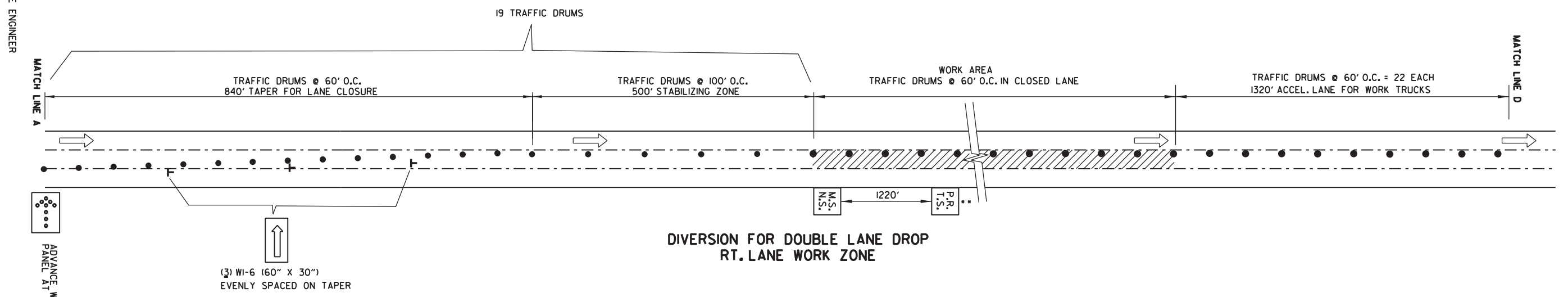
- NOTES:
1. MAINTAIN MINIMUM 12' LANE WIDTH ON LANE REMAINING OPEN.
 2. SPEED LIMIT SIGNS ARE ALSO PROVIDED FOR PLACEMENT PAST ENTRANCE RAMP WITHIN THE WORK ZONE.

M.S. = MOBILE SPEED NOTIFICATION SYSTEM
 N.S. = PHOTO RADAR TRAILER SYSTEM

••NOTE: THE PHOTO RADAR TRAILER SYSTEM TO BE FURNISHED AND PLACED BY STATE FORCES.



RT. LANE DOUBLE LANE DROP CLOSURE



DIVERSION FOR DOUBLE LANE DROP RT. LANE WORK ZONE

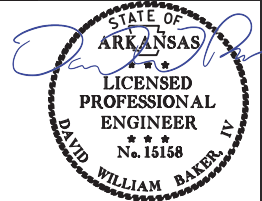
I-49 NB SECTION 29
 L.M. 74.30 - L.M. 76.30

LANE CLOSURE
 MAINTENANCE OF TRAFFIC DETAILS

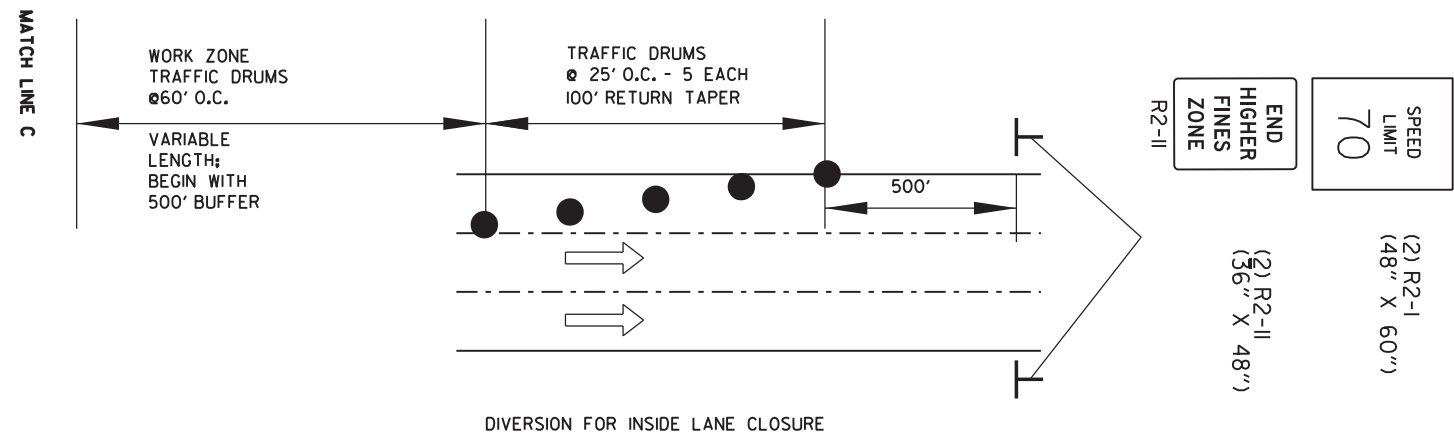
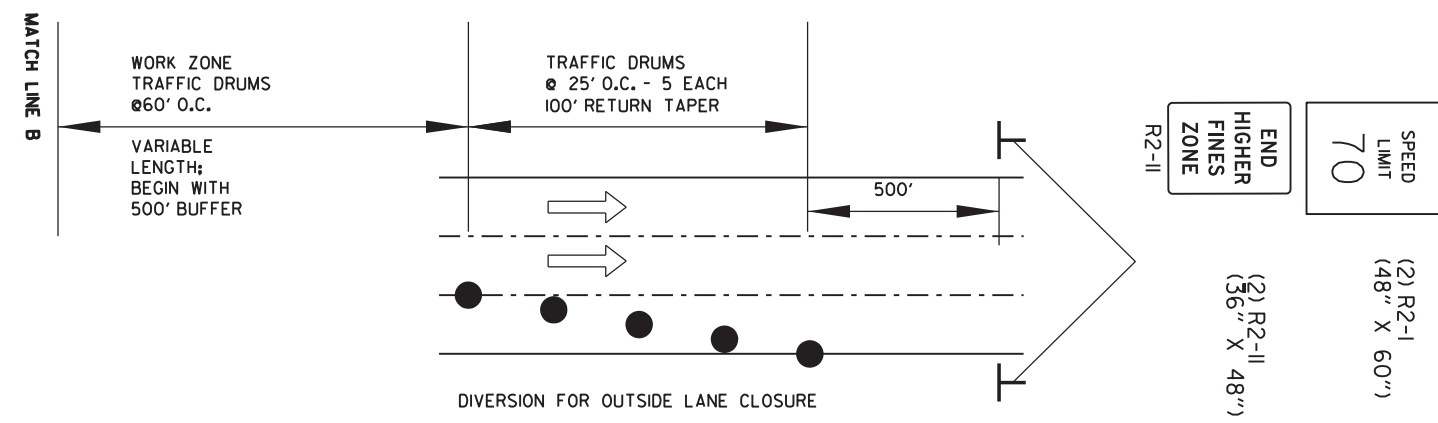
090742_MOT-DETAILS.DGN CREATED: 3/20/2025 3:20:25 PM SAVER: 2/11/2026

PORTABLE CHANGEABLE MESSAGE SIGN BY THE ENGINEER TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	090742	15	30
MAINTENANCE OF TRAFFIC DETAILS						



02/17/2026



TYPICAL TRAFFIC DRUM LAYOUT FOR DIVERSION OF LANE CLOSURES

I-49 NB SECTION 29
L.M. 74.30 - L.M. 76.30

DIVERSION OF LANE CLOSURE
MAINTENANCE OF TRAFFIC DETAILS

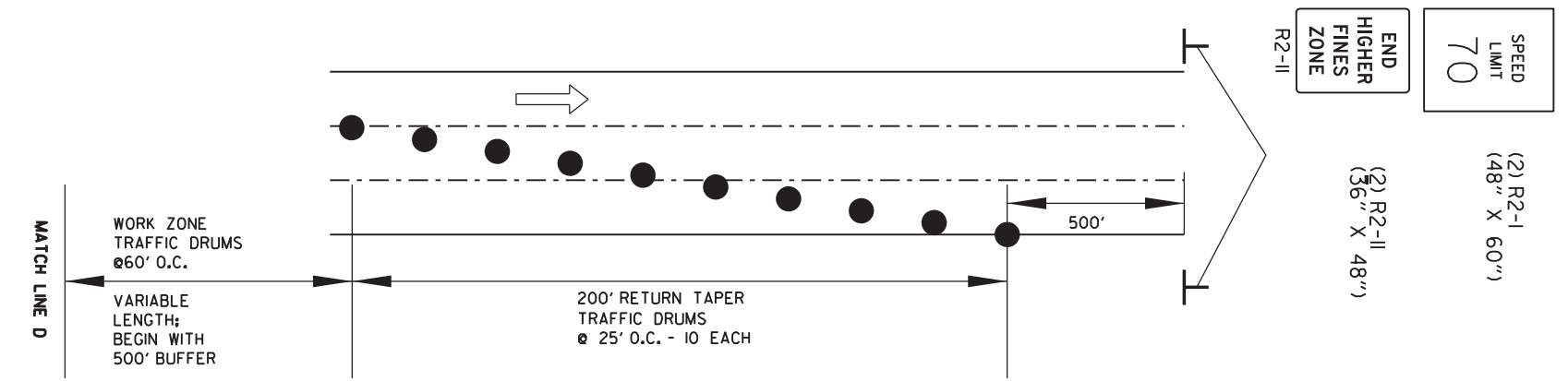
090742_MOT-DETAILS.DGN CREATED: 3/20/2025 SAVED: 2/11/2026

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	090742	16	30

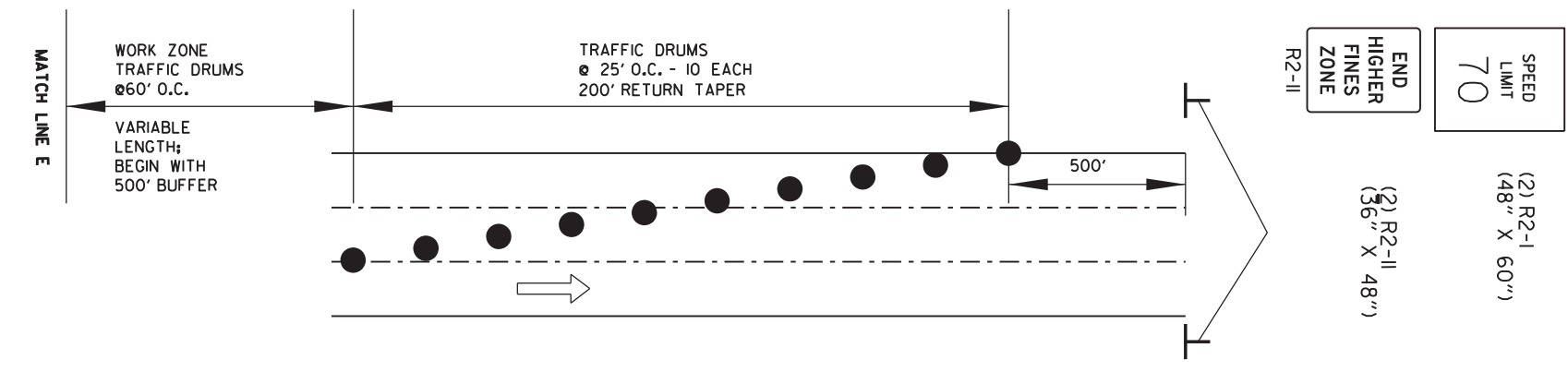
MAINTENANCE OF TRAFFIC DETAILS



02/17/2026



DIVERSION FOR OUTSIDE AND MIDDLE LANE CLOSURES



DIVERSION FOR INSIDE AND MIDDLE LANE CLOSURES

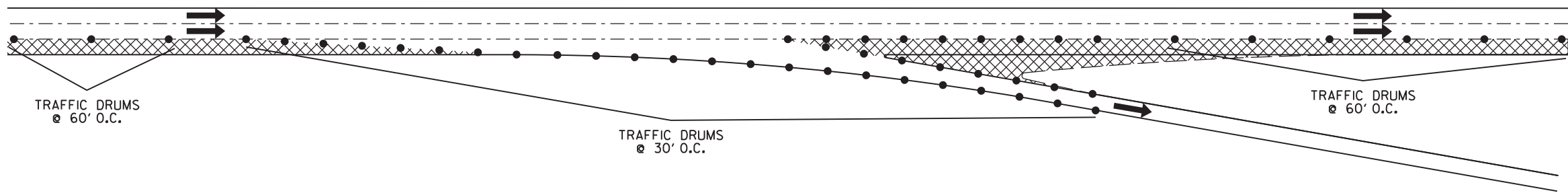
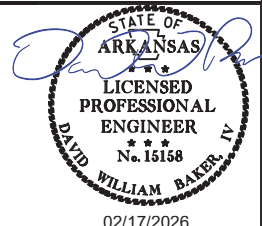
TYPICAL TRAFFIC DRUM LAYOUT FOR DIVERSION OF LANE CLOSURES

I-49 NB SECTION 29
L.M. 74.30 - L.M. 76.30

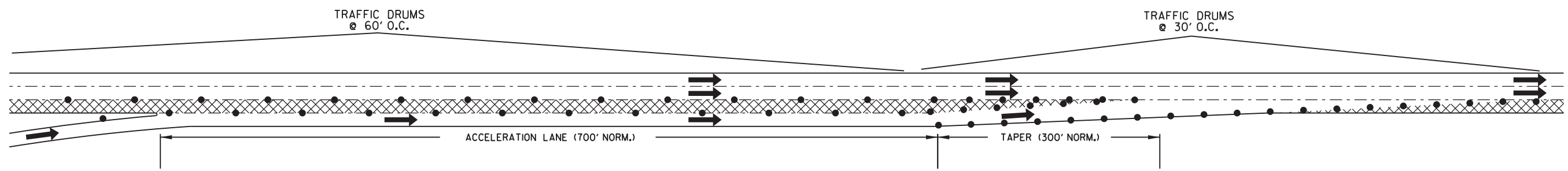
DIVERSION OF LANE CLOSURE
MAINTENANCE OF TRAFFIC DETAILS

090742_MOT-DETAILS.DGN CREATED: 3/20/2025 5:25:11 PM SAVED: 2/11/2026 10:00:00 AM

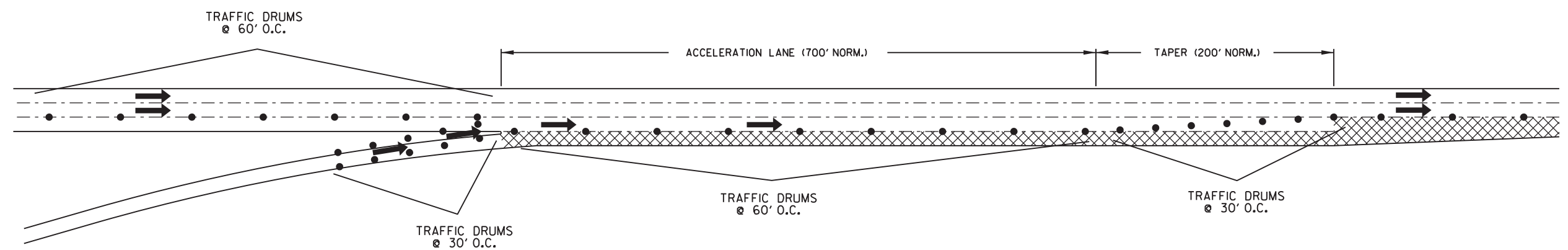
DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	090742	17	30
MAINTENANCE OF TRAFFIC DETAILS						



EXIT RAMP - TYPICAL TRAFFIC DRUM LAYOUT
OUTSIDE LANE CLOSURE



ENTRANCE RAMP - TYPICAL TRAFFIC DRUM LAYOUT
OUTSIDE LANE CLOSURE



ENTRANCE RAMP - TYPICAL TRAFFIC DRUM LAYOUT
ACCELERATION LANE CLOSURE

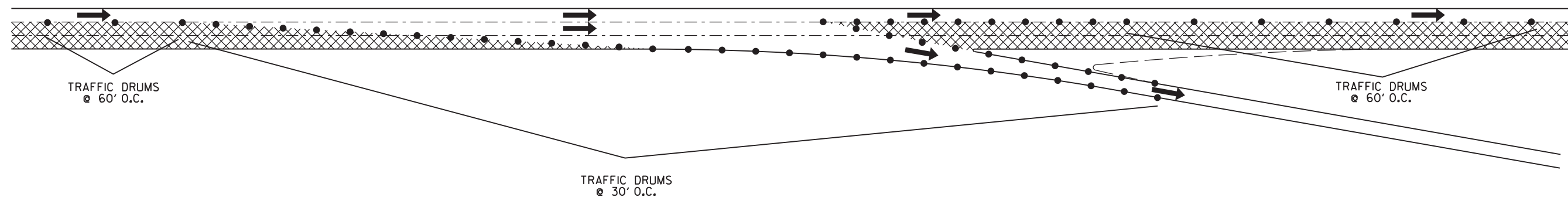
I-49 NB SECTION 29
L.M. 74.30 - L.M. 76.30

DETAIL OF RAMPS WITH LANE CLOSURE
MAINTENANCE OF TRAFFIC DETAILS

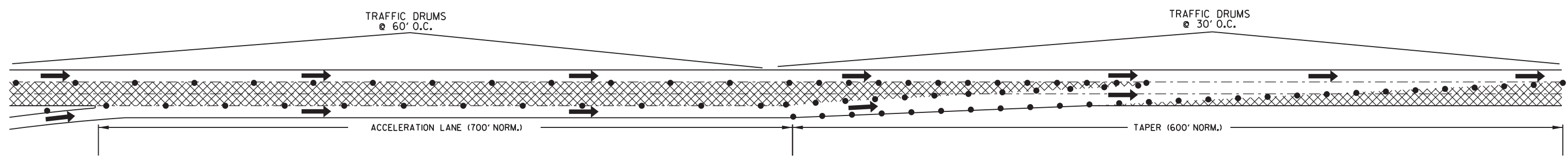
090742_MOT-DETAILS.DGN CREATED: 3/20/2025 5:00 PM SAVED: 2/11/2026 10:00 AM

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	090742	18	30
MAINTENANCE OF TRAFFIC DETAILS						

STATE OF ARKANSAS
 LICENSED PROFESSIONAL ENGINEER
 No. 15158
 DAVID WILLIAM BAKER, IV
 02/17/2026



EXIT RAMP - TYPICAL TRAFFIC DRUM LAYOUT
MIDDLE AND OUTSIDE LANE CLOSURE



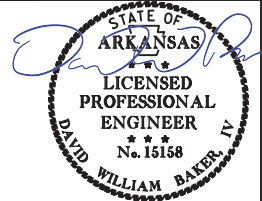
ENTRANCE RAMP - TYPICAL TRAFFIC DRUM LAYOUT
MIDDLE AND OUTSIDE LANE CLOSURE

I-49 NB SECTION 29
L.M. 74.30 - L.M. 76.30

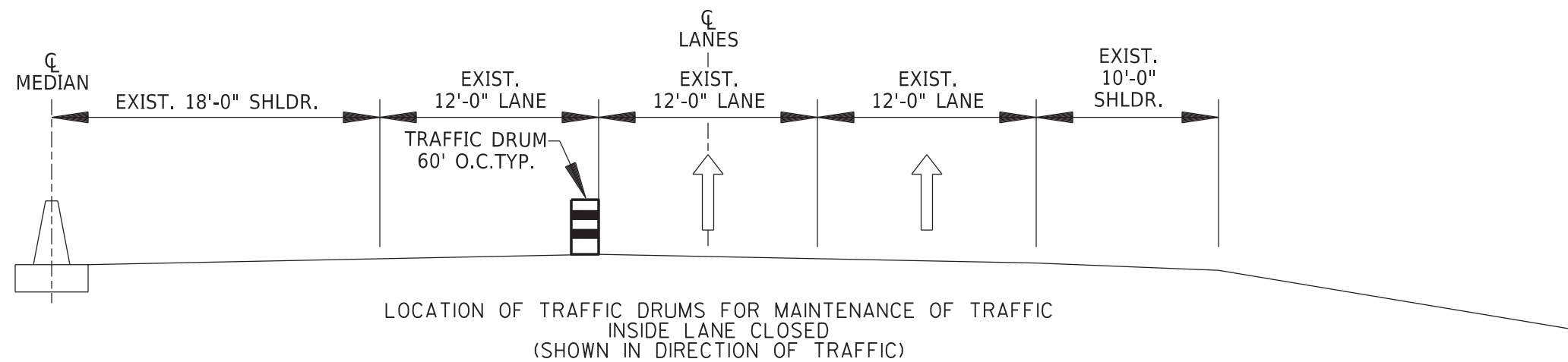
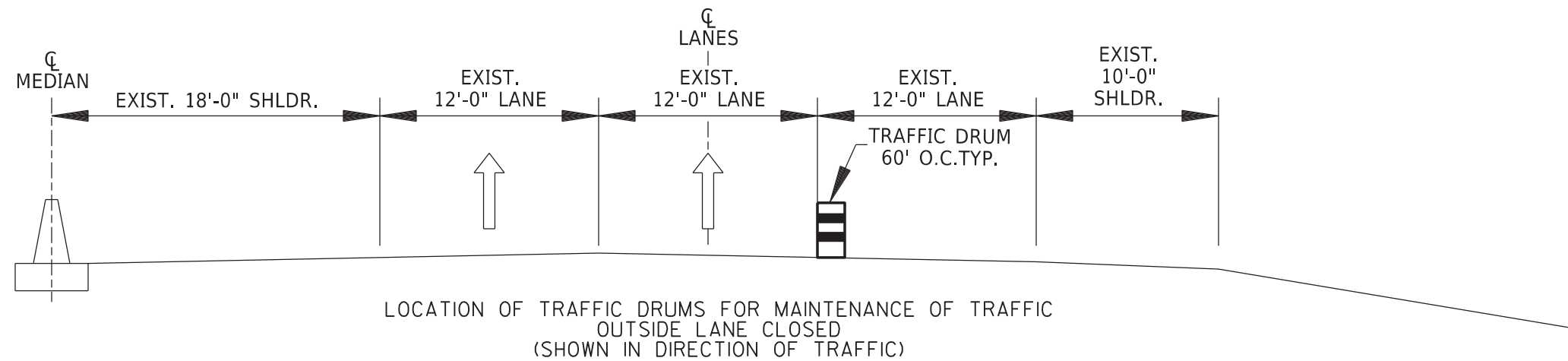
DETAIL OF RAMPS WITH LANE CLOSURE
MAINTENANCE OF TRAFFIC DETAILS

090742_MOT-DETAILS.DGN CREATED: 3/20/2025 5:21:11 PM SAVED: 2/11/2026

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	090742	19	30
MAINTENANCE OF TRAFFIC DETAILS						



02/17/2026

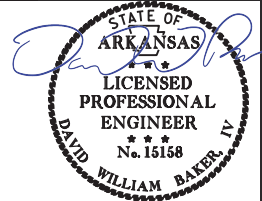


I-49 NB SECTION 29
L.M. 74.30 - L.M. 76.30

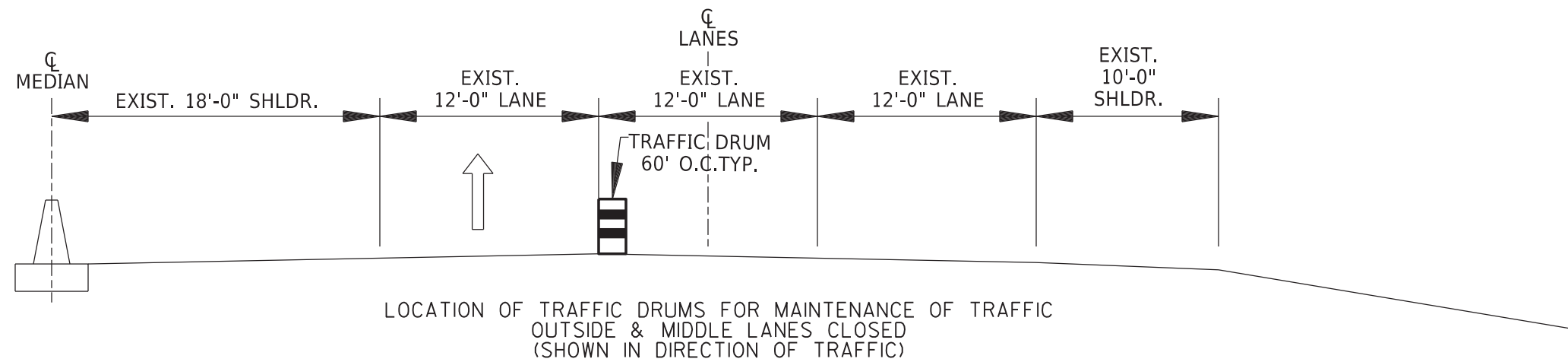
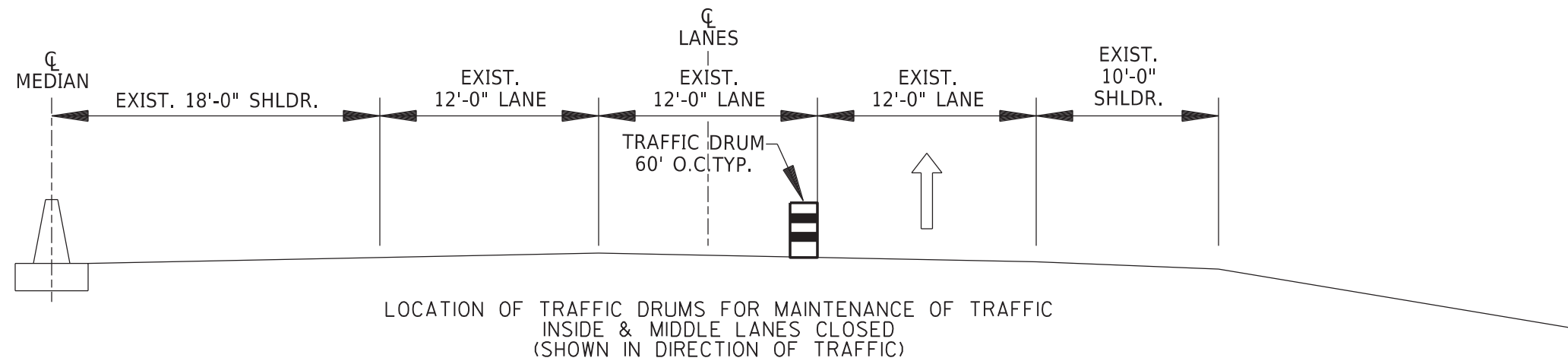
LOCATION OF TRAFFIC DRUMS
MAINTENANCE OF TRAFFIC DETAILS

090742_MOT-DETAILS.DGN CREATED: 3/20/2025 SAVED: 2/11/2026

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	090742	20	30
MAINTENANCE OF TRAFFIC DETAILS						



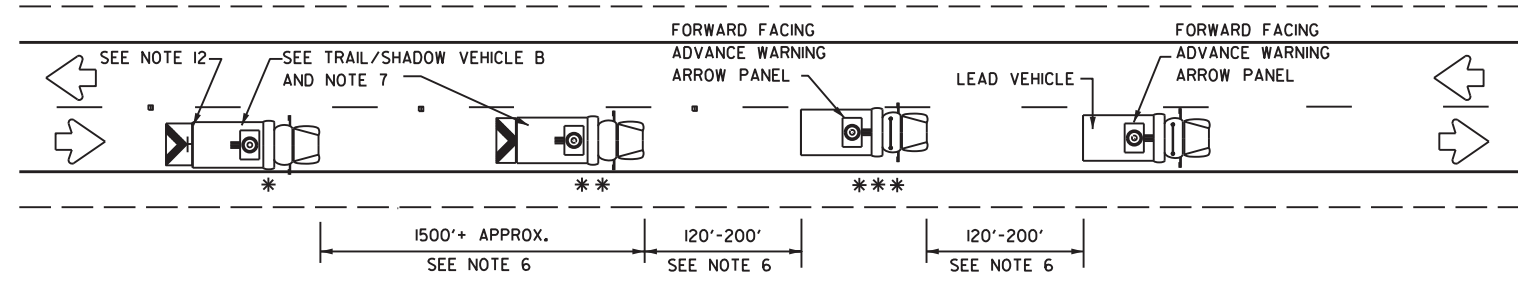
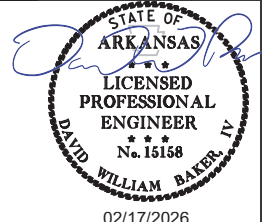
02/17/2026



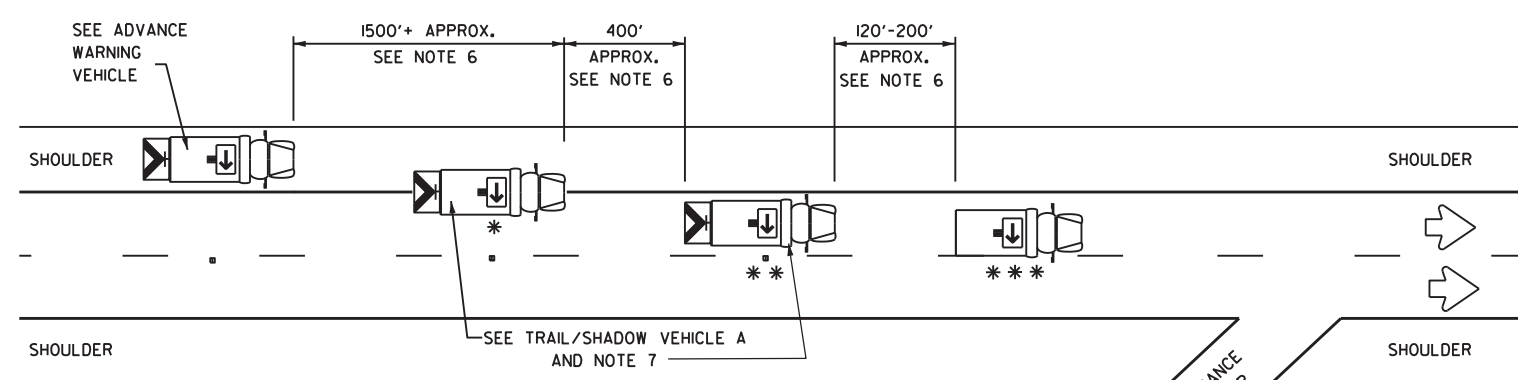
I-49 NB SECTION 29
L.M. 74.30 - L.M. 76.30

LOCATION OF TRAFFIC DRUMS
MAINTENANCE OF TRAFFIC DETAILS

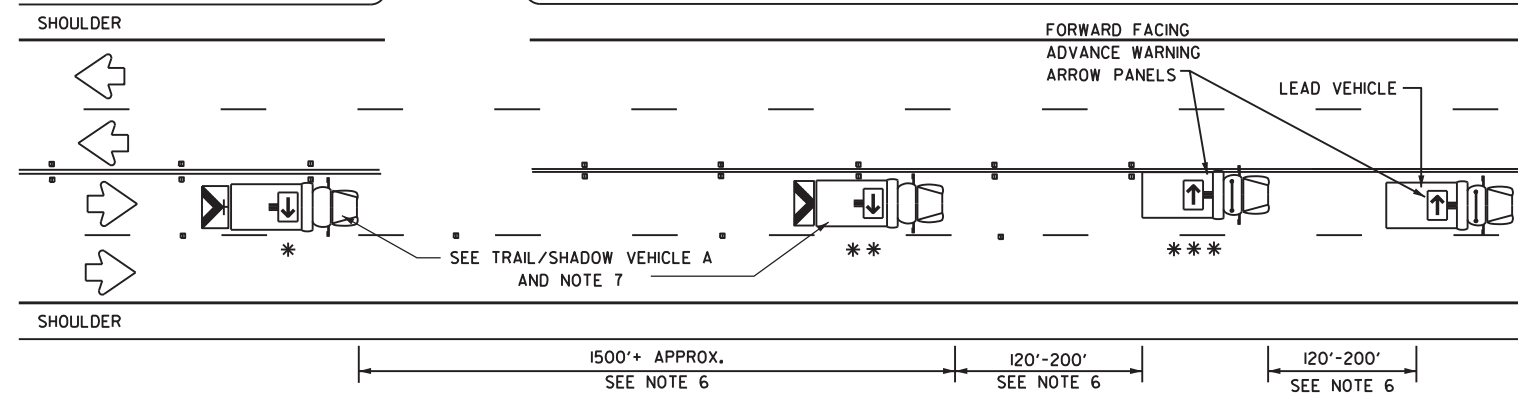
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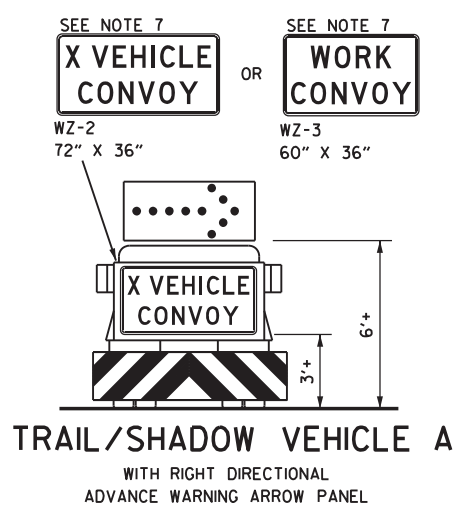
TWO LANE HIGHWAY
(WORK ON TRAVEL LANE)



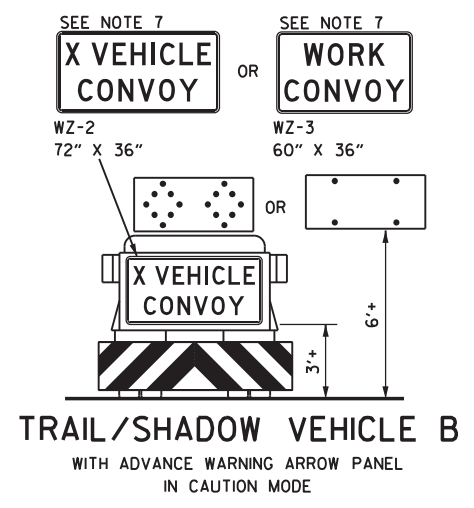
DIVIDED MULTILANE HIGHWAY



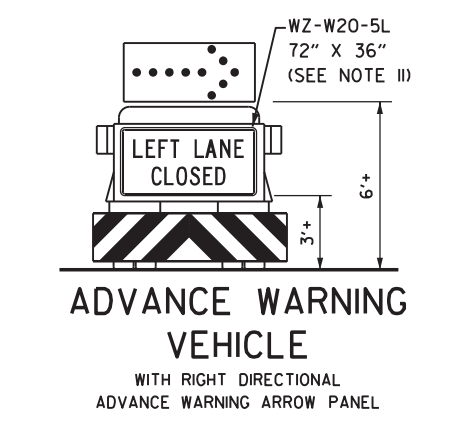
UNDIVIDED MULTILANE HIGHWAY



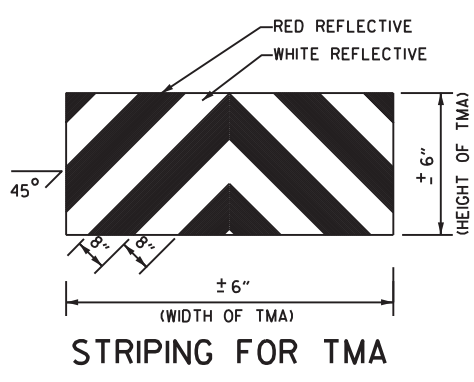
TRAIL/SHADOW VEHICLE A
WITH RIGHT DIRECTIONAL
ADVANCE WARNING ARROW PANEL



TRAIL/SHADOW VEHICLE B
WITH ADVANCE WARNING ARROW PANEL
IN CAUTION MODE



ADVANCE WARNING
VEHICLE
WITH RIGHT DIRECTIONAL
ADVANCE WARNING ARROW PANEL



STRIPING FOR TMA

LEGEND			
*	TRAIL VEHICLE	ADVANCE WARNING ARROW PANEL DISPLAY	
**	SHADOW VEHICLE		
** *	WORK VEHICLE	→	RIGHT DIRECTIONAL
⇄	HEAVY WORK VEHICLE	←	LEFT DIRECTIONAL
⊠	TRUCK MOUNTED ATTENUATOR (TMA)	⇄	DOUBLE ARROW
↻	TRAFFIC FLOW	⊠	CAUTION (ALTERNATING DIAMOND OR 4 CORNER FLASH)

TYPICAL APPLICATION - MOBILE WORK ZONE

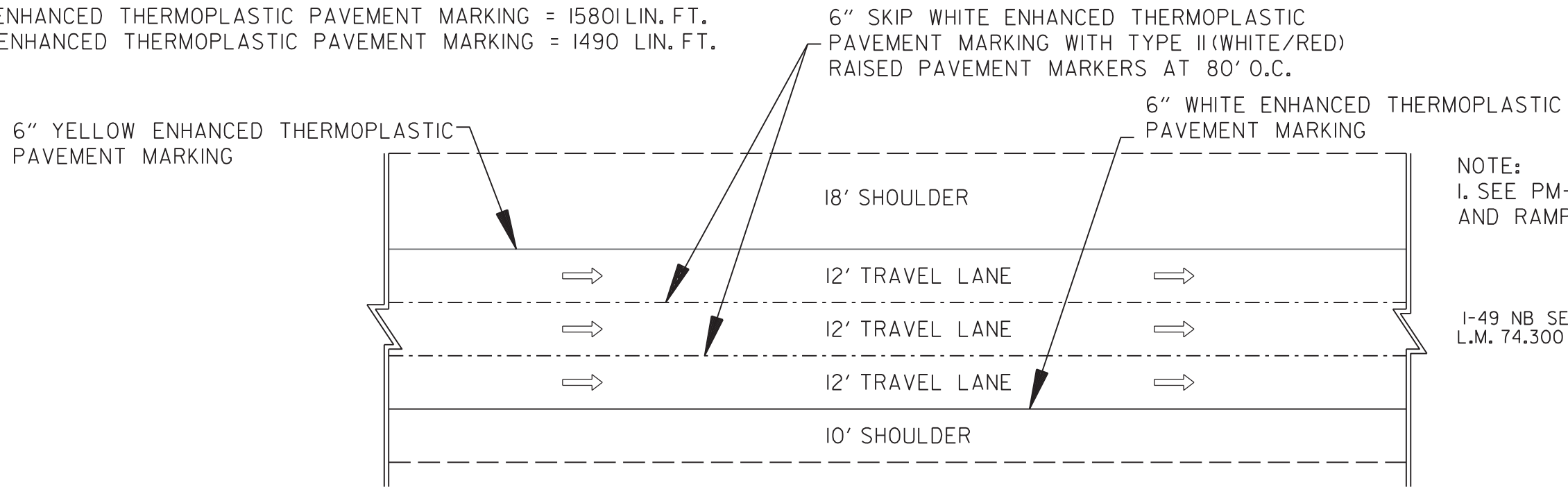
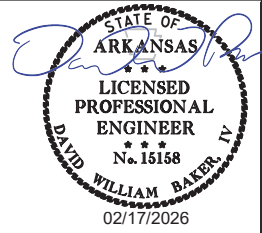
GENERAL NOTES:

1. TRAIL, SHADOW, AND LEAD VEHICLES SHALL BE EQUIPPED WITH ADVANCE WARNING ARROW PANELS AS ILLUSTRATED.
2. THE USE OF AMBER OR GREEN HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS ON ALL VEHICLES ARE REQUIRED. VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.
3. THE USE OF TRUCK MOUNTED ATTENUATORS (TMA) ON THE SHADOW VEHICLE, ADVANCE WARNING AND TRAIL VEHICLE ARE REQUIRED.
4. EACH VEHICLE SHALL HAVE TWO-WAY RADIO COMMUNICATION CAPABILITY.
5. WHEN WORK CONVOYS MUST CHANGE LANES, THE TRAIL VEHICLE SHOULD CHANGE LANES FIRST TO SHADOW THE OTHER CONVOY VEHICLES. WHEN WORK CONVOY EXITS THE ROADWAY, THE TRAIL VEHICLE SHOULD EXIT LAST.
6. VEHICLE SPACING BETWEEN THE TRAIL VEHICLE AND THE SHADOW VEHICLE WILL VARY DEPENDING ON SIGHT DISTANCE RESTRICTIONS AND QUEUE LENGTHS. MOTORISTS APPROACHING THE CONVOY SHOULD BE ABLE TO SEE THE TRAIL VEHICLE IN TIME TO SLOW DOWN AND/OR CHANGE LANES AS THEY APPROACH THE TRAIL VEHICLE. VEHICLE SPACING BETWEEN THE WORK VEHICLE AND SHADOW VEHICLE AND VEHICLE SPACING BETWEEN THE WORK VEHICLE AND LEAD VEHICLE MAY VARY ACCORDING TO TERRAIN, WORK ACTIVITY AND OTHER FACTORS.
7. X VEHICLE CONVOY (WZ-2) OR WORK CONVOY (WZ-3) SIGNS SHALL BE USED ON TRAIL VEHICLES AND SHADOW VEHICLES AS SHOWN, AS AN OPTION 48" X 48" DIAMOND SHAPED WORK CONVOY (WZ-2A) OR X VEHICLE CONVOY (WZ-3A) SIGNS MAY BE USED WHERE ADEQUATE MOUNTING SPACE EXISTS. WHEN USED, THE X VEHICLE CONVOY SIGN SHALL HAVE THE NUMBER OF THE CONVOY VEHICLES DISPLAYED ON THE SIGN IN THE NUMBER DESIGNATION "X" LOCATION. THE X VEHICLE CONVOY SIGN SHALL NOT BE USED ON THE SHADOW VEHICLE.
8. FOR DIVIDED HIGHWAYS WITH TWO OR THREE LANES IN ONE DIRECTION, THE APPROPRIATE LEFT LANE CLOSED (WZ-W20-5L), RIGHT LANE CLOSED (WZ-W20-5R), OR CENTER LANE CLOSED (WZ-W20-5C) SIGN SHOULD BE USED ON THE ADVANCE WARNING VEHICLE. AS AN OPTION, A PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) OR TRUCK MOUNTED CHANGEABLE MESSAGE SIGN (TMCMS) WITH A MINIMUM CHARACTER HEIGHT OF 12", AND DISPLAYING THE SAME LEGEND MAY BE SUBSTITUTED FOR THESE SIGNS. AN APPROPRIATE DIRECTIONAL ARROW DISPLAY, SIMULATING THE SIZE AND LEGIBILITY OF THE ADVANCE WARNING ARROW PANEL MAY BE USED IN THE SECOND PHASE OF THE PCMS/TMCMS MESSAGE. WHEN THIS IS DONE, THE ARROW BOARD WILL NOT BE REQUIRED ON THE ADVANCE WARNING VEHICLE.
9. A DOUBLE ARROW SHALL NOT BE DISPLAYED ON THE ADVANCE WARNING ARROW PANEL ON THE ADVANCE WARNING VEHICLE.
10. STANDARD DIAMOND SHAPE VERSIONS OF THE WZ SERIES SIGNS MAY BE USED AS AN OPTION IF THE RECTANGULAR SIGNS SHOWN ARE NOT AVAILABLE.
11. THE ADVANCE WARNING VEHICLE MAY STRADDLE THE EDGELINE WHEN SHOULDER WIDTH MAKES IT NECESSARY.
12. ON TWO-LANE TWO-WAY ROADWAYS, THE WORK AND PROTECTION VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW MOTOR VEHICLE TRAFFIC TO PASS. A DO NOT PASS (R4-1) SIGN SHALL BE PLACED ON THE BACK OF THE REAR MOST PROTECTION VEHICLE.
13. MOBILE WORK ZONE METHODS AS DEPICTED IN THIS STANDARD DRAWING SHALL BE UTILIZED ON ALL PROJECTS THAT INCLUDE INSTALLATION OR REMOVAL OF RAISED PAVEMENT MARKERS OR PAVEMENT MARKINGS UNLESS APPROVED BY THE ENGINEER ON PROJECTS LESS THAN 0.5 MILE IN LENGTH.
14. NO DIRECT PAYMENT WILL BE MADE FOR COMPLIANCE WITH THE METHODS DEPICTED IN THIS STANDARD DRAWING (WHICH INCLUDES ALL SIGNS, DEVICES, MATERIALS, LABOR, TOOLS, EQUIPMENT, AND INCIDENTALS NECESSARY TO COMPLY) BUT SHALL BE CONSIDERED SUBSIDIARY TO THE MAINTENANCE OF TRAFFIC PAY ITEM.

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	090742	22	30
PERMANENT PAVEMENT MARKING DETAILS						

I-49 PERMANENT PAVEMENT MARKINGS

RAISED PAVEMENT MARKERS TYPE II (WHITE/RED) AT 80' O.C. = 432 EA.
 6" YELLOW ENHANCED THERMOPLASTIC PAVEMENT MARKING = 10233 LIN. FT.
 6" WHITE ENHANCED THERMOPLASTIC PAVEMENT MARKING = 15801 LIN. FT.
 12" WHITE ENHANCED THERMOPLASTIC PAVEMENT MARKING = 1490 LIN. FT.



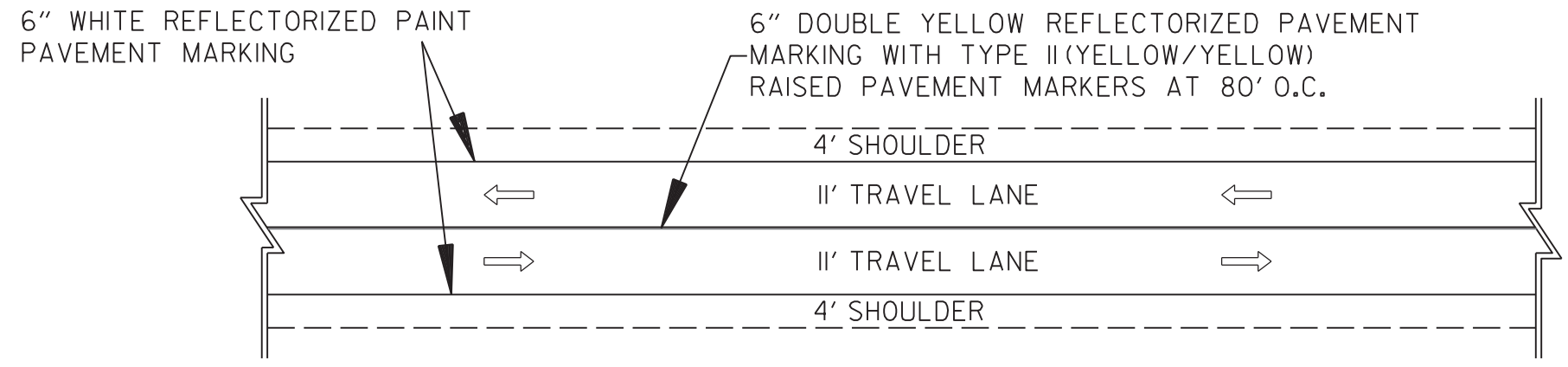
NOTE:
 I. SEE PM-1 AND PM-2 FOR MAIN LANE AND RAMP STRIPING DETAILS.

I-49 NB SECTION 29
 L.M. 74.300 - 76.300

TYPICAL I-49 PERMANENT PAVEMENT MARKING LAYOUT

HWY. 12 PERMANENT PAVEMENT MARKINGS

RAISED PAVEMENT MARKERS TYPE II (YELLOW/YELLOW) AT 80' O.C. = 190 EA.
 6" YELLOW REFLECTORIZED PAVEMENT MARKING = 30466 LIN. FT.
 6" WHITE REFLECTORIZED PAVEMENT MARKING = 30466 LIN. FT.



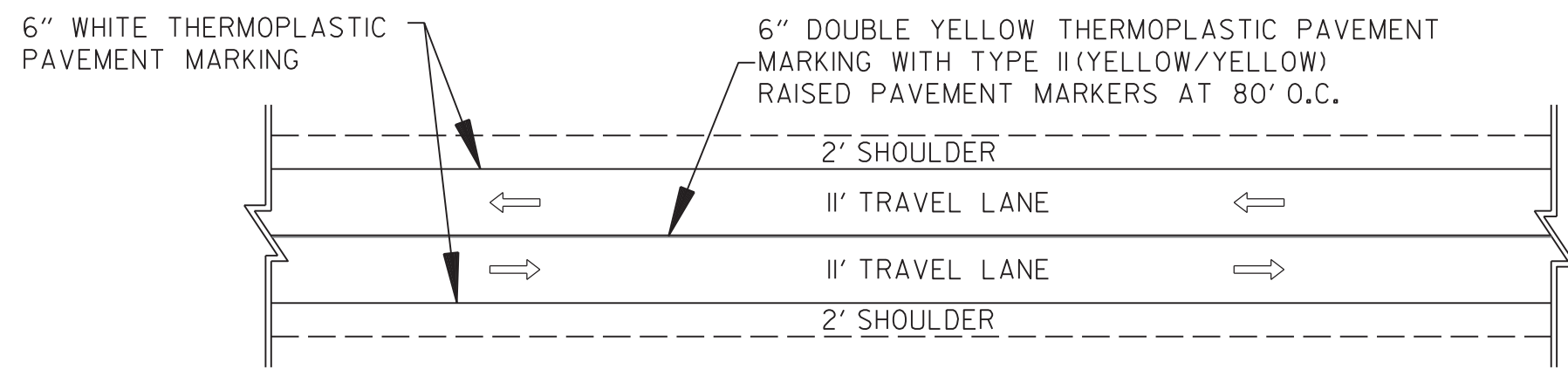
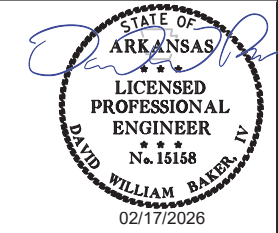
TYPICAL HWY. 12 PERMANENT PAVEMENT MARKING LAYOUT

090742 PERMANENT PAVEMENT MARKING DETAILS.DGN CREATED: 12/12/2025 12:12:25 PM SAVED: 2/10/2026 10:00:00 AM

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	090742	23	30
PERMANENT PAVEMENT MARKING DETAILS						

HWY. 16 PERMANENT PAVEMENT MARKINGS

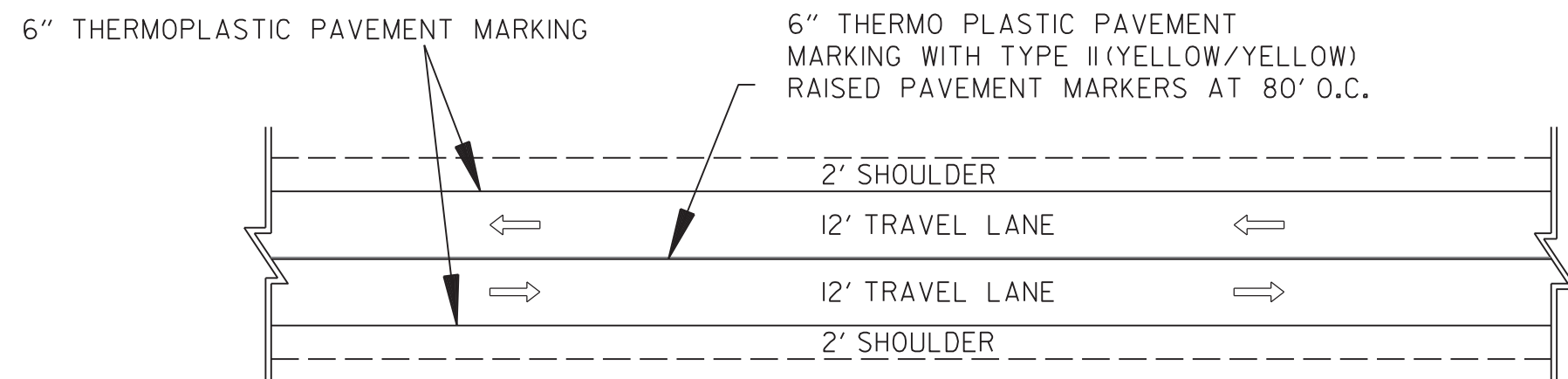
RAISED PAVEMENT MARKERS TYPE II (YELLOW/YELLOW) AT 80' O.C. = 24 EA.
 YELLOW THERMOPLASTIC PAVEMENT MARKING = 3918 LIN. FT.
 WHITE THERMOPLASTIC PAVEMENT MARKING = 3918 LIN. FT.



TYPICAL HWY. 16 PERMANENT PAVEMENT MARKING LAYOUT

HWY. 23 PERMANENT PAVEMENT MARKINGS

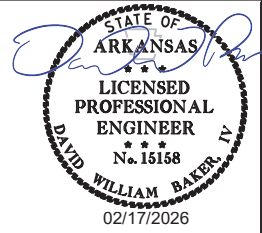
RAISED PAVEMENT MARKERS TYPE II (YELLOW/YELLOW) AT 80' O.C. = 124 EA.
 YELLOW THERMOPLASTIC PAVEMENT MARKING = 19853 LIN. FT.
 WHITE THERMOPLASTIC PAVEMENT MARKING = 19853 LIN. FT.



TYPICAL HWY. 23 PERMANENT PAVEMENT MARKING LAYOUT

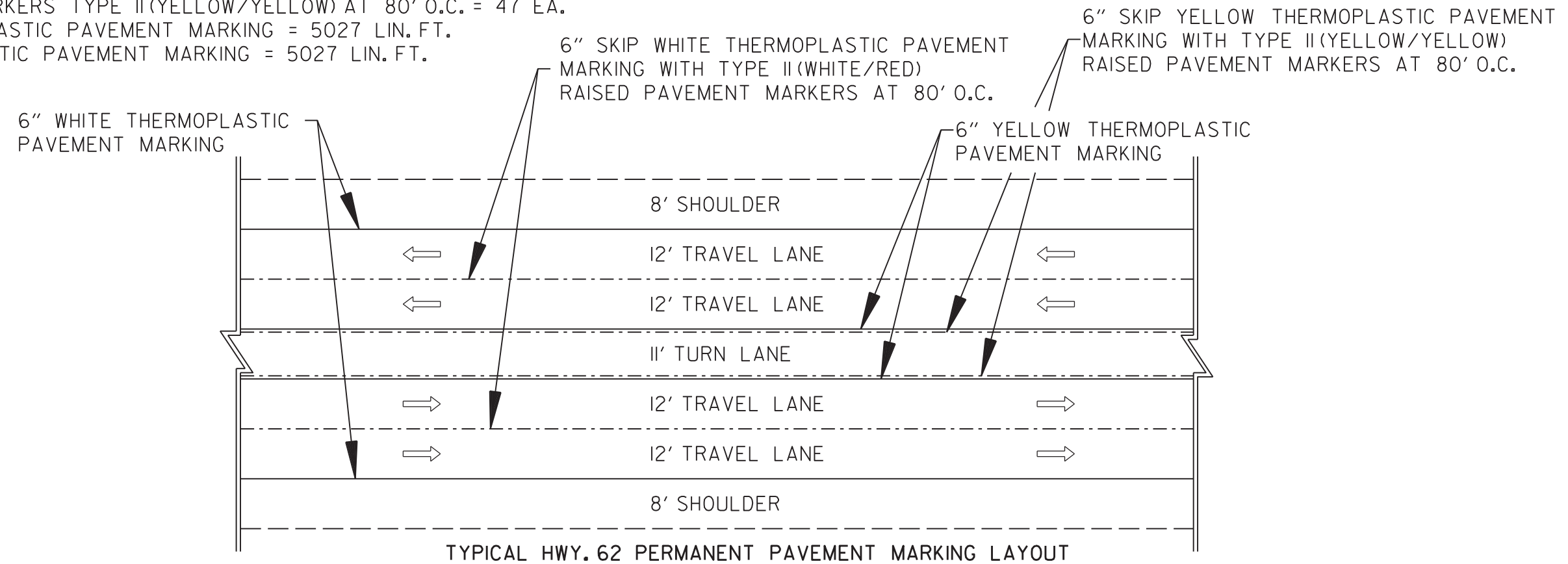
090742 PERMANENT PAVEMENT MARKING DETAILS.DGN CREATED: 12/12/2025 SAVED: 2/10/2026

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	090742	24	30
PERMANENT PAVEMENT MARKING DETAILS						



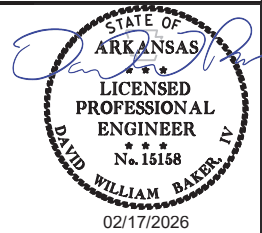
HWY. 62 PERMANENT PAVEMENT MARKINGS

- RAISED PAVEMENT MARKERS TYPE II (WHITE/RED) AT 80' O.C. = 47 EA.
- RAISED PAVEMENT MARKERS TYPE II (YELLOW/YELLOW) AT 80' O.C. = 47 EA.
- 6" YELLOW THERMOPLASTIC PAVEMENT MARKING = 5027 LIN. FT.
- 6" WHITE THERMOPLASTIC PAVEMENT MARKING = 5027 LIN. FT.



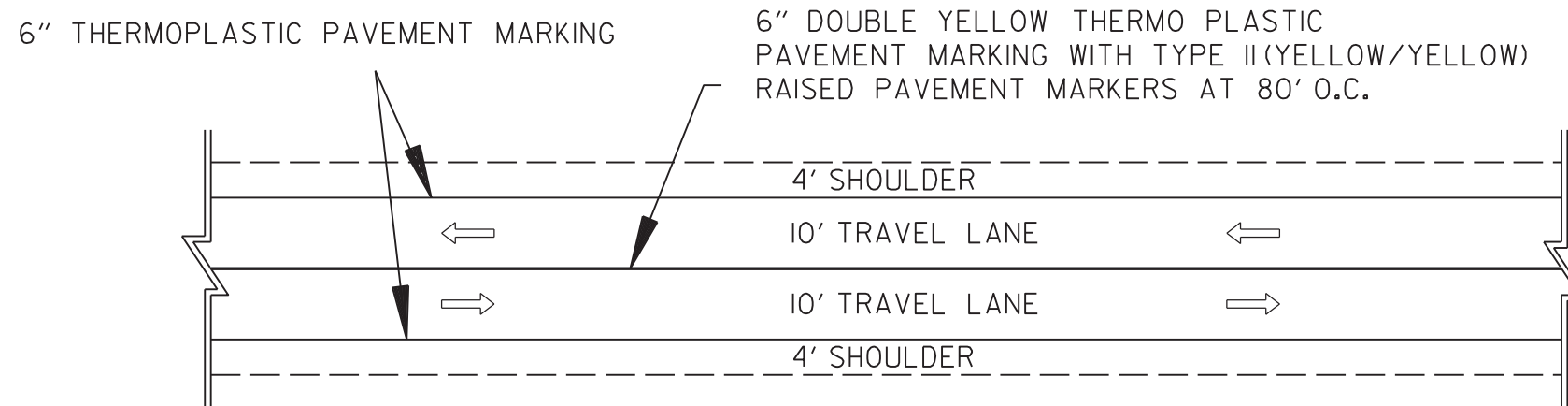
090742 PERMANENT PAVEMENT MARKING DETAILS.DGN CREATED: 12/12/2025 SAVED: 2/10/2026

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	090742	25	30
PERMANENT PAVEMENT MARKING DETAILS						



HWY. 45 PERMANENT PAVEMENT MARKINGS

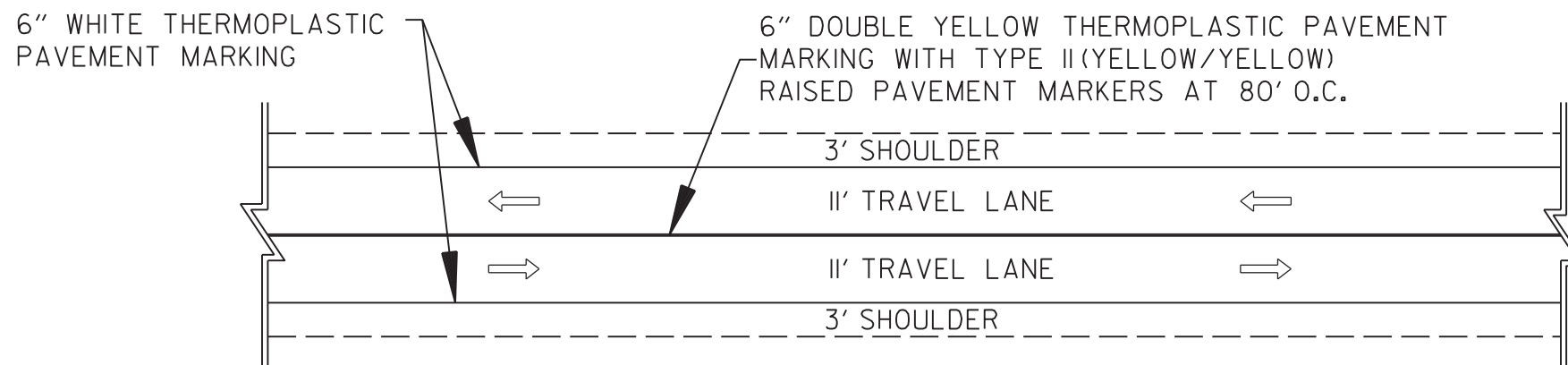
RAISED PAVEMENT MARKERS TYPE II (YELLOW/YELLOW) AT 80' O.C. = 158 EA.
 6" YELLOW THERMOPLASTIC PAVEMENT MARKING = 24147 LIN. FT.
 6" WHITE THERMOPLASTIC PAVEMENT MARKING = 25260 LIN. FT.



TYPICAL HWY. 45 PERMANENT PAVEMENT MARKING LAYOUT

HWY. 94 PERMANENT PAVEMENT MARKINGS

RAISED PAVEMENT MARKERS TYPE II (YELLOW/YELLOW) AT 80' O.C. = 82 EA.
 YELLOW THERMOPLASTIC PAVEMENT MARKING = 12883 LIN. FT.
 WHITE THERMOPLASTIC PAVEMENT MARKING = 12883 LIN. FT.



TYPICAL HWY. 94 PERMANENT PAVEMENT MARKING LAYOUT

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	090742	26	30
PERMANENT PAVEMENT MARKING DETAILS						

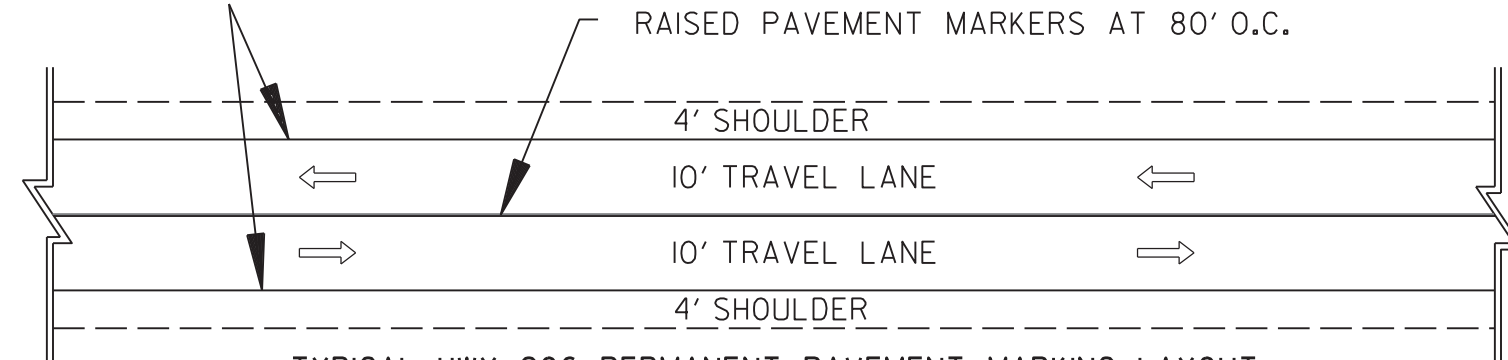
HWY. 206 PERMANENT PAVEMENT MARKINGS

RAISED PAVEMENT MARKERS TYPE II (YELLOW/YELLOW) AT 80' O.C. = 118 EA.
 6" YELLOW REFLECTORIZED PAVEMENT MARKING = 16337 LIN. FT.
 6" WHITE REFLECTORIZED PAVEMENT MARKING = 18649 LIN. FT.



6" REFLECTORIZED PAVEMENT MARKING

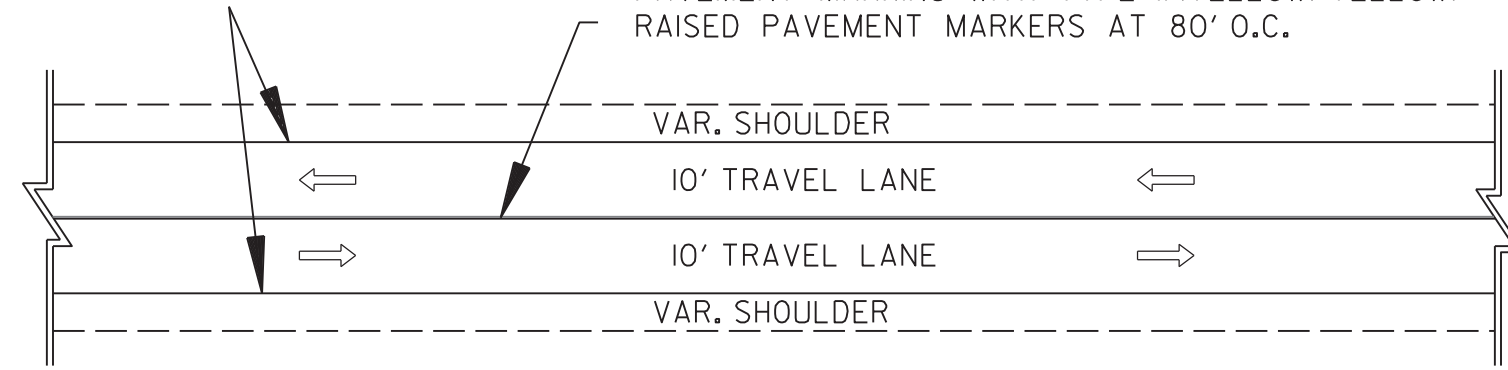
6" DOUBLE YELLOW REFLECTORIZED PAVEMENT MARKING WITH TYPE II (YELLOW/YELLOW) RAISED PAVEMENT MARKERS AT 80' O.C.



TYPICAL HWY. 206 PERMANENT PAVEMENT MARKING LAYOUT
 L. M. 6.655 - 7.046

6" REFLECTORIZED PAVEMENT MARKING

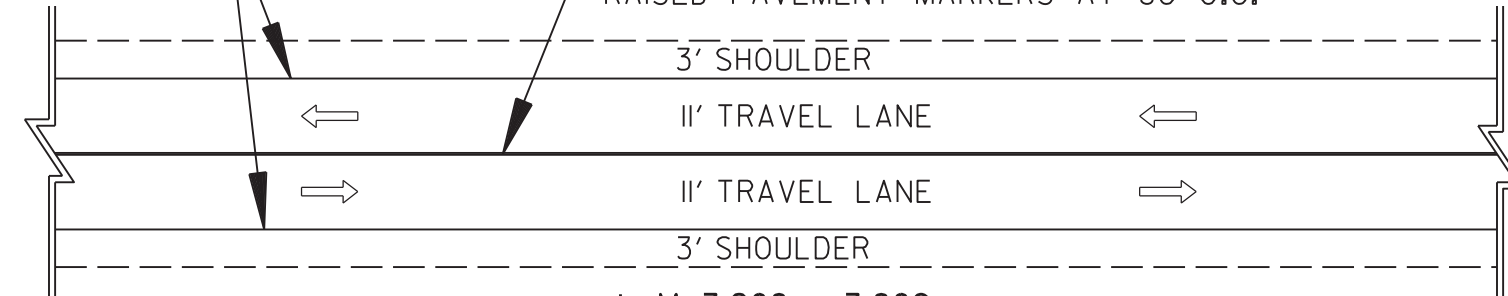
6" DOUBLE YELLOW REFLECTORIZED PAVEMENT MARKING WITH TYPE II (YELLOW/YELLOW) RAISED PAVEMENT MARKERS AT 80' O.C.



L. M. 7.046 - 7.208

6" WHITE REFLECTORIZED PAVEMENT MARKING

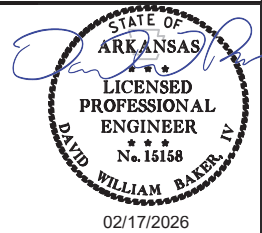
6" DOUBLE YELLOW REFLECTORIZED PAVEMENT MARKING WITH TYPE II (YELLOW/YELLOW) RAISED PAVEMENT MARKERS AT 80' O.C.



L. M. 7.208 - 7.809
 L.M. 10.315 - 10.927

090742 PERMANENT PAVEMENT MARKING DETAILS.DGN CREATED: 12/12/2025 5:00 PM SAVED: 2/10/2026

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	090742	27	30
QUANTITIES						



02/17/2026

ADVANCE WARNING SIGNS AND DEVICES

SIGN NUMBER	DESCRIPTION	SIGN SIZE	BENTON COUNTY, I-49, SEC. 29 - L.M.	BENTON COUNTY, HWY. 16, SEC. 1 - L.M. 3.410	CARROLL COUNTY, HWY. 23, SEC. 11 - L.M. 4.800	BENTON COUNTY, HWY. 62, SEC. 2 - L.M. 8.280 - 8.637 (1)	BENTON COUNTY, HWY. 94, SEC. 1 - L.M. 4.000 - 5.220 (1)	MADISON COUNTY, HWY. 12, SEC. 4 - L.M. 1.575 - 4.498 (2)	MADISON COUNTY, HWY. 45, SEC. 7 - L.M. 3.718 - 6.110 (1)	BOONE COUNTY, HWY. 206, SEC. 1 - L.M. 6.655 - 7.809 (2)	BOONE COUNTY, HWY. 206, SEC. 1 - L.M. 10.315 - 10.927 (2)	MAXIMUM NUMBER REQUIRED	TOTAL SIGNS REQUIRED		TRAFFIC DRUMS EACH	* ADVANCE WARNING ARROW PANEL DAY	* PORTABLE CHANGEABLE MESSAGE SIGN WEEK	MOBILE SPEED NOTIFICATION SYSTEM (SPECIAL) EACH				
			74.300-76.300 (1)	3.781 (1)	6.680 (2)									NO.		SQ. FT.						
			LIN. FT. - EACH																			
W20-1	ROAD WORK 1 MILE	48"x48"	2									2	2	32.0								
W20-1	ROAD WORK 1/2 MILE	48"x48"	2									2	2	32.0								
W20-1	ROAD WORK 1500 FT.	48"x48"	2	2	2	2	2	2	2	2	2	6	6	96.0								
W20-1	ROAD WORK 1000 FT.	48"x48"		2	2	2	2	2	2	2	2	6	6	96.0								
W20-1	ROAD WORK 500 FT.	48"x48"		2	2	2	2	2	2	2	2	6	6	96.0								
W20-1	ROAD WORK AHEAD	48"x48"	3	2	4	2	6	9	4	5	7	22	22	352.0								
W20-5	RIGHT LANE CLOSED 1 MILE	48"x48"	2									2	2	32.0								
W20-5	LEFT LANE CLOSED 1 MILE	48"x48"	2									2	2	32.0								
W20-5	RIGHT LANE CLOSED 1/2 MILE	48"x48"	2									2	2	32.0								
W20-5	LEFT LANE CLOSED 1/2 MILE	48"x48"	2									2	2	32.0								
W20-5	RIGHT LANE CLOSED 1500 FT.	48"x48"	2									2	2	32.0								
W20-5	LEFT LANE CLOSED 1500 FT.	48"x48"	2									2	2	32.0								
W20-5a	TWO RIGHT LANES CLOSED 1 MILE	48"x48"	2									2	2	32.0								
W20-5a	TWO RIGHT LANES CLOSED 1/2 MILE	48"x48"	2									2	2	32.0								
W20-5a	TWO RIGHT LANES CLOSED 1500 FT	48"x48"	2									2	2	32.0								
W20-5a	TWO LEFT LANES CLOSED 1 MILE	48"x48"	2									2	2	32.0								
W20-5a	TWO LEFT LANES CLOSED 1/2 MILE	48"x48"	2									2	2	32.0								
W20-5a	TWO LEFT LANES CLOSED 1500 FT	48"x48"	2									2	2	32.0								
SPECIAL	MERGE NOW W/ ARROW GRAPHIC (RIGHT)	48"x48"	1									1	1	16.0								
SPECIAL	MERGE NOW W/ ARROW GRAPHIC (LEFT)	48"x48"	1									1	1	16.0								
G20-2	END ROAD WORK	48"x24"	4	2	4	2	6	9	4	5	7	22	22	176.0								
G20-5aP	WORK ZONE SIGN	36"x24"	2									2	2	12.0								
W1-6	LARGE ARROW	60"x30"	6									6	6	75.0								
W3-5	REDUCED SPEED LIMIT AHEAD (60)	48"x48"	2									2	2	32.0								
W4-2 RT.	RIGHT LANE ENDS GRAPHIC	48"x48"	2									2	2	32.0								
W4-2 LT.	LEFT LANE ENDS GRAPHIC	48"x48"	2									2	2	32.0								
R2-1	SPEED LIMIT 60 MPH	48"x60"	2									2	2	40.0								
R2-1	SPEED LIMIT 70 MPH	48"x60"	2									2	2	40.0								
R4-1	DO NOT PASS	48"x60"	4									4	4	80.0								
R2-6aP	FINES DOUBLE WHEN WORKERS ARE PRESENT	48"x36"	3	2	2	2	2	2	2	2	2	7	7	84.0								
R2-11	END HIGHER FINES ZONE	36"x48"	4	2	2	2	2	2	2	2	2	8	8	96.0								
R10-19aP	PHOTO ENFORCED	48"x36"	2									2	2	24.0								
WZ-1	TRAFFIC LAWS PHOTO ENFORCED	84"x60"	2									2	2	70.0								
WZ-4	HAND-HELD PHONE USE (INTERSTATE)	78"x60"	2									2	2	65.0								
WZ-4	HAND-HELD PHONE USE (NON-INTERSTATE)	36"x54"		2	2	2	2	2	2	2	2	2	2	27.0								
W21-5a	SHOULDER CLOSED	36"x36"	1									1	1	9.00								
	TRAFFIC DRUMS		365									365			365							
	ADVANCE WARNING ARROW PANEL		1									25				25						
	PORTABLE CHANGEABLE MESSAGE SIGN		1									5					5					
	MOBILE SPEED NOTIFICATION SYSTEM		1									1						1				
TOTALS:														1950.0		365		25		5		1

NOTE: THIS IS A HIGH TRAFFIC VOLUME ROAD AS DEFINED IN SECTION 604.03, STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. (1)
 NOTE: THIS IS A LOW TRAFFIC VOLUME ROAD AS DEFINED IN SECTION 604.03, STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. (2)

NOTE: THE QUANTITY OF TRAFFIC DRUMS PROVIDED IS FOR ONE SIDE OF THE ROADWAY FOR A 2 MILE WORK ZONE. HOWEVER, THE INSTALLATION OF TRAFFIC DRUMS SHALL NEVER EXCEED THE ACTUAL WORK AREA BY MORE THAN 1/4 MILE, UNLESS APPROVED BY THE ENGINEER.

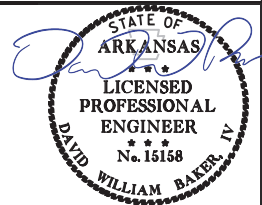
NOTE: THE COST OF ANY ADDITIONAL SIGNS, BARRICADES, OR DEVICES OF A TEMPORARY NATURE THAT MAY BE NECESSITATED BY THE CONTRACTOR'S SEQUENCE OF OPERATIONS OR STANDARD DRAWINGS TC-1, TC-2, TC-3, AND TC-6 SHALL BE CONSIDERED SUBSIDIARY TO THE VARIOUS BID ITEMS. ANY ADDITIONAL SIGNS, BARRICADES, OR DEVICES PLACED BY THE CONTRACTOR FOR HIS OWN CONVENIENCE SHALL NOT BE PAID FOR.

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

QUANTITIES

090742 QUANTITIES.DGN CREATED: 6/23/2025 5:25:11 PM SAVED: 2/11/2026

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	090742	28	30
QUANTITIES						



02/17/2026

CONSTRUCTION PAVEMENT MARKINGS AND PERMANENT PAVEMENT MARKINGS

DESCRIPTION	BENTON COUNTY, I-49, SEC. 29 - L.M. 74.300-76.300 (1)	BENTON COUNTY, HWY. 16, SEC. 1 - L.M. 3.410-3.781 (1)	CARROLL COUNTY, HWY. 23, SEC. 11 - L.M. 4.800 - 6.680 (2)	BENTON COUNTY, HWY. 62, SEC. 2 - L.M. 8.280 - 8.637 (1)	BENTON COUNTY, HWY. 94, SEC. 1 - L.M. 4.000 - 5.220 (1)	MADISON COUNTY, HWY. 12, SEC. 4 - L.M. 1.575 - 4.498 (2)	MADISON COUNTY, HWY. 45, SEC. 7 - L.M. 3.718 - 6.110 (1)	BOONE COUNTY, HWY. 206, SEC. 1 - L.M. 6.655 - 7.809 (2)	BOONE COUNTY, HWY. 206, SEC. 1 - L.M. 10.315 - 10.927 (2)	CONSTRUCTION PAVEMENT MARKINGS	RAISED PAVEMENT MARKERS		ENHANCED THERMOPLASTIC PAVEMENT MARKING	THERMOPLASTIC PAVEMENT MARKING		ENHANCED THERMOPLASTIC PAVEMENT MARKING	REFLECTORIZED PAINT PAVEMENT MARKING			
	LIN. FT. - EACH										TYPE II (WHITE/RED)	TYPE II (YELLOW/YELLOW)	6"		6"		12"	6"		
													WHITE	YELLOW	WHITE	YELLOW	WHITE	WHITE	YELLOW	
CONSTRUCTION PAVEMENT MARKINGS	26034	7836	39706	11310	25766	60932	49407	22060	12926	255977										
RAISED PAVEMENT MARKERS TYPE II (WHITE/RED)	432			47							479									
RAISED PAVEMENT MARKERS TYPE II (YELLOW/YELLOW)		24	124	47	82	190	158	77	41		743									
ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (6")	15801												15801							
ENHANCED THERMOPLASTIC PAVEMENT MARKING YELLOW (6")	10233												10233							
THERMOPLASTIC PAVEMENT MARKING WHITE (6")		3918		5027	12883		25260							47088						
THERMOPLASTIC PAVEMENT MARKING YELLOW (6")		3918		5027	12883		24147								45975					
THERMOPLASTIC PAVEMENT MARKING RUMBLE BARS								120								120				
ENHANCED THERMOPLASTIC PAVEMENT MARKING WHITE (12")	1490																1490			
REFLECTORIZED PAINT PAVEMENT MARKING WHITE (6")			19853			30466		12186	6463									68968		
REFLECTORIZED PAINT PAVEMENT MARKING YELLOW (6")			19853			30466		9874	6463										66656	
TOTALS:										255977	479	743	15801	10233	47088	45975	120	1490	68968	66656

NOTE: THIS IS A HIGH TRAFFIC VOLUME ROAD AS DEFINED IN SECTION 604.03, STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. (1)
 NOTE: THIS IS A LOW TRAFFIC VOLUME ROAD AS DEFINED IN SECTION 604.03, STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. (2)

NOTE: THE 6" 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.

COLD MILLING ASPHALT PAVEMENT

LOG MILE	LOG MILE	LOCATION	AVG. WIDTH	COLD MILLING ASPHALT PAVEMENT
			FEET	SQ. YD.
74.30	74.32	I-49 NB LANES TRANSITION	42.00	466.67
74.73	74.75	I-49 NB LANES TRANSITION	42.00	466.67
74.81	74.83	I-49 NB LANES TRANSITION	42.00	466.67
74.96	74.98	I-49 NB EXIT RAMP TRANSITION	19.00	211.11
75.34	75.36	I-49 NB ENTRANCE RAMP TRANSITION	19.00	211.11
76.12	76.14	I-49 NB EXIT RAMP TRANSITION	21.00	233.33
76.28	76.30	I-49 NB LANES TRANSITION	42.00	466.67
1.57	1.59	HWY. 12 TRANSITION	22.00	244.44
3.08	3.11	HWY. 12 TRANSITION	22.00	244.44
3.13	3.15	HWY. 12 TRANSITION	22.00	244.44
4.06	4.08	HWY. 12 TRANSITION	22.00	244.44
4.09	4.11	HWY. 12 TRANSITION	22.00	244.44
4.48	4.50	HWY. 12 TRANSITION	22.00	244.44
3.41	3.43	HWY. 16 TRANSITION	22.00	244.44
3.76	3.78	HWY. 16 TRANSITION	22.00	244.44
4.80	4.82	HWY. 23 TRANSITION	24.00	266.67
6.66	6.68	HWY. 23 TRANSITION	24.00	266.67
3.71	3.73	HWY. 45 TRANSITION	20.00	222.22
6.09	6.11	HWY. 45 TRANSITION	36.00	400.00
8.28	8.30	HWY. 62 TRANSITION	65.00	722.22
8.62	8.64	HWY. 62 TRANSITION	65.00	722.22
4.00	4.02	HWY. 94 TRANSITION	22.00	244.44
5.20	5.22	HWY. 94 TRANSITION	22.00	244.44
6.65	6.67	HWY. 206 TRANSITION	20.00	222.22
7.11	7.14	HWY. 206 & HWY. 7 INTERSECTION	43.00	477.78
7.79	7.81	HWY. 206 TRANSITION	22.00	244.44
10.31	10.33	HWY. 206 TRANSITION	22.00	244.44
10.90	10.92	HWY. 206 TRANSITION	22.00	244.44
TOTAL:				8999.95

NOTE: COORDINATE COLD MILLING STOCKPILE LOCATIONS WITH DISTRICT ENGINEER.
 STOCKPILE LOCATIONS SHALL BE NO FURTHER THAN FIVE MILES FROM EACH SITE.

ULTRATHIN BONDED WEARING COURSE

COUNTY	ROUTE	SECTION	LOG MILE	LOG MILE	TOTAL LENGTH	AVG. WIDTH	ULTRATHIN BONDED WEARING COURSE (3/4" - TYPE C)
					FEET	FEET	TON
BENTON	I-49 NB	29	74.300	74.748	2038.08	42.00	376
BENTON	I-49 NB	29	74.810	74.916	559.68	39.00	96
BENTON	I-49 NB EXIT RAMP	29	74.885	74.916	163.68	9.50	7
BENTON	I-49 NB	29	74.916	74.960	232.32	42.00	43
BENTON	I-49 NB EXIT RAMP	29	74.916	74.960	100.00	19.00	8
BENTON	I-49 NB	29	74.960	75.382	2228.16	42.00	411
BENTON	I-49 NB ENTRANCE RAMP	29	75.360	75.382	100.00	19.00	8
BENTON	I-49 NB	29	75.382	75.514	700.00	54.00	166
BENTON	I-49 NB	29	75.514	75.570	300.00	48.00	63
BENTON	I-49 NB	29	75.570	75.910	1795.20	42.00	331
BENTON	I-49 NB	29	75.910	75.956	300.00	48.00	63
BENTON	I-49 NB	29	75.956	76.065	575.52	54.00	136
BENTON	I-49 NB EXIT RAMP	29	76.065	76.120	290.40	20.00	25
BENTON	I-49 NB	29	76.065	76.120	290.40	39.00	50
BENTON	I-49 NB	29	76.120	76.300	950.40	42.00	175
MADISON	HWY. 12	4	1.575	3.110	8104.80	22.00	783
MADISON	HWY. 12	4	3.132	4.076	4984.32	22.00	481
MADISON	HWY. 12	4	4.092	4.498	2143.68	22.00	207
BENTON	HWY. 16	1	3.410	3.781	1958.88	22.00	189
CARROLL	HWY. 23	11	4.800	6.680	9926.40	24.00	1046
BENTON	HWY. 62	2	8.280	8.637	1884.96	65.00	538
BENTON	HWY. 94	1	4.000	5.220	6441.60	22.00	622
MADISON	HWY. 45	7	3.718	6.086	12503.04	22.00	1207
MADISON	HWY. 45	7	6.086	6.110	126.72	VAR.	20
BOONE	HWY. 206	1	6.655	7.105	2376.00	20.00	209
BOONE	HWY. 206	1	7.105	7.140	184.80	43.00	35
BOONE	HWY. 206	1	7.140	7.809	3532.32	22.00	341
BOONE	HWY. 206	1	10.315	10.927	3231.36	22.00	312
TOTAL:							7948

QUANTITIES

090742 QUANTITIES.DGN CREATED: 6/23/2025 5:21:30 PM SAVED: 2/13/2026

DATE REVISED	DATE REVISED	FED. RD. DIST. NO.	STATE	JOB NO.	SHEET NO.	TOTAL SHEETS
		6	ARK.	090742	29	30
QUANTITIES						



RUMBLE STRIPS IN ASPHALT SHOULDERS

COUNTY	ROUTE	SECTION	LOG MILE	LOG MILE	* RUMBLE STRIPS IN ASPHALT SHOULDERS
					LIN. FT.
BENTON	I-49 NB	29	74.300	75.382	11426
BENTON	I-49 NB	29	75.382	75.571	998
BENTON	I-49 NB	29	75.571	76.062	5185
BENTON	I-49 NB	29	76.062	76.102	422
BENTON	I-49 NB EXIT 77	29	76.102	76.122	200
BENTON	I-49 NB	29	76.146	76.300	1627
BENTON	62	2	8.280	8.637	3770
TOTAL:					23628

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

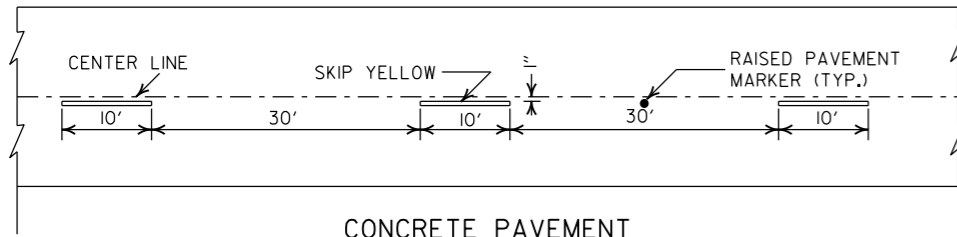
ACHM PATCHING OF EXISTING ROADWAY

DESCRIPTION	TON
ENTIRE PROJECT - TO BE USED IF AND WHERE DIRECTED BY THE ENGINEER	325
TOTAL:	325

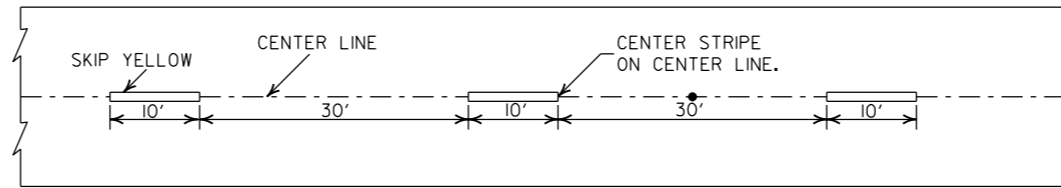
NOTE: QUANTITY ESTIMATED.
SEE SECTION 104.03 OF THE STD. SPECS.

BASE AND SURFACING

BEGIN LOG MILE	END LOG MILE	LOCATION	LENGTH	AGGREGATE BASE COURSE (CLASS 7)	
			FEET	TON / STATION	TON
MAIN LANES					
1.575	3.11	HWY. 12	8104.80	1.00	81.05
3.132	4.076	HWY. 12	4984.32	1.00	49.84
4.092	4.498	HWY. 12	2143.68	1.00	21.44
3.410	3.781	HWY. 16	1958.88	1.00	19.59
4.800	6.680	HWY. 23	9926.40	1.00	99.26
3.718	6.110	HWY. 45	12629.76	1.00	126.30
4.000	5.220	HWY. 94	6441.60	1.00	64.42
6.655	7.809	HWY. 206	6093.12	1.00	60.93
10.315	10.927	HWY. 206	3231.36	1.00	32.31
TOTALS:					555.14

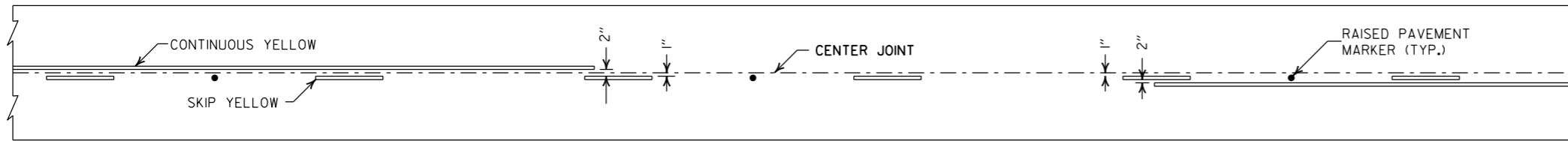


CONCRETE PAVEMENT

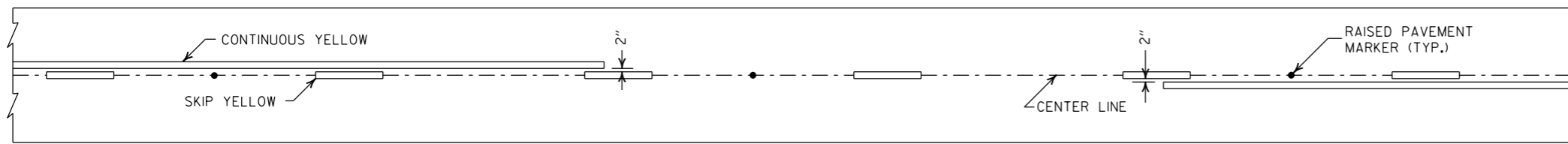


ASPHALT PAVEMENT

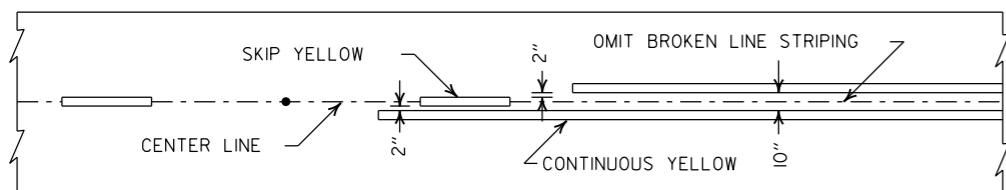
BROKEN LINE STRIPING



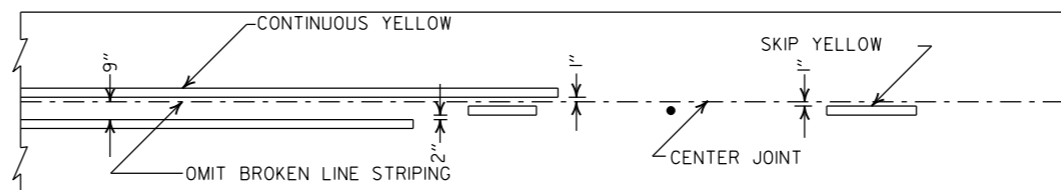
SOLID LINE STRIPING ON CONCRETE PAVEMENT



SOLID LINE STRIPING ON ASPHALT PAVEMENT

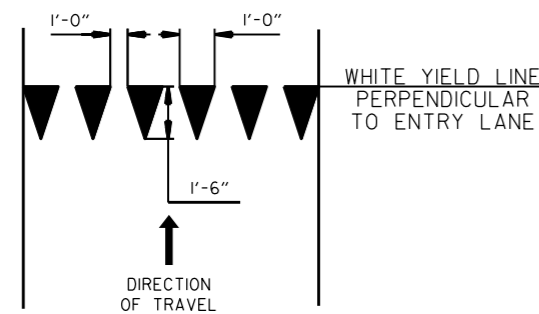


ASPHALT PAVEMENT

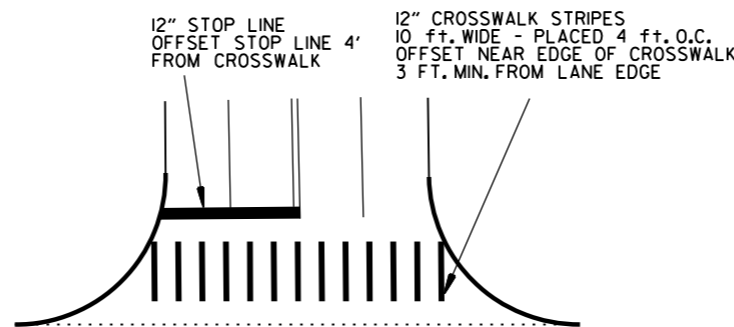


CONCRETE PAVEMENT

STRIPING AT ADJACENT NO PASSING LANES

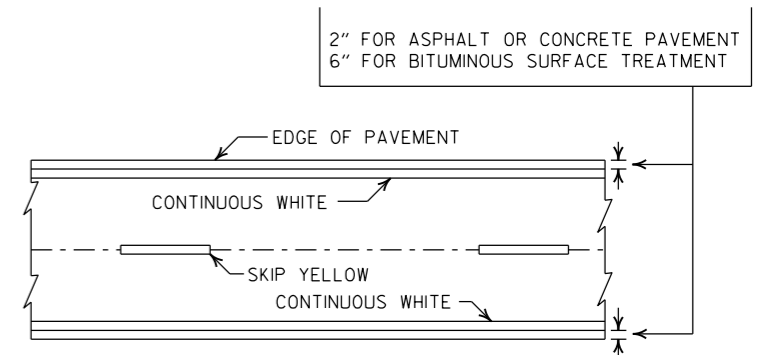


YIELD LINE DETAIL

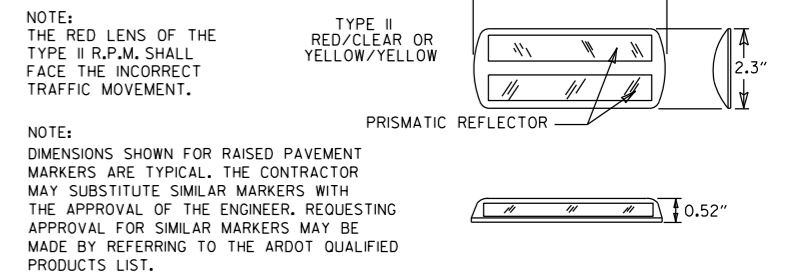


CROSSWALK AND STOP LINE DETAILS

- 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.



PAVEMENT EDGE LINE MARKING



DETAIL OF STANDARD RAISED PAVEMENT MARKERS

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 DTL.	
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

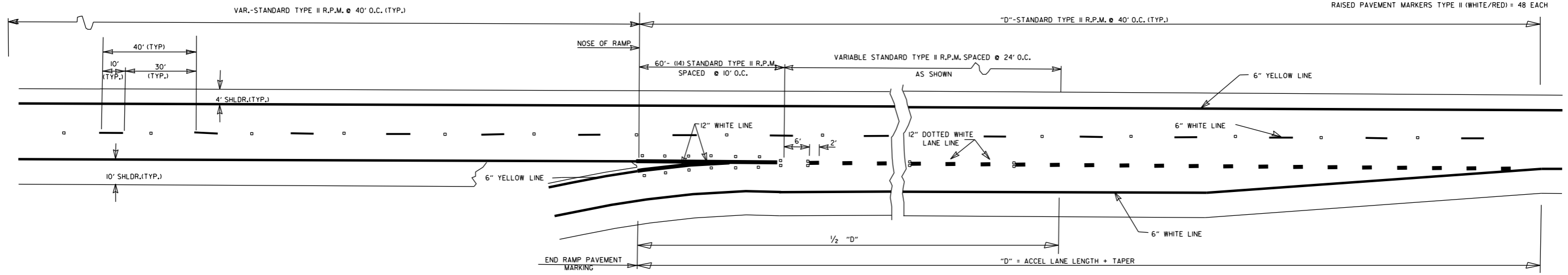
ARKANSAS STATE HIGHWAY COMMISSION

PAVEMENT MARKING DETAILS

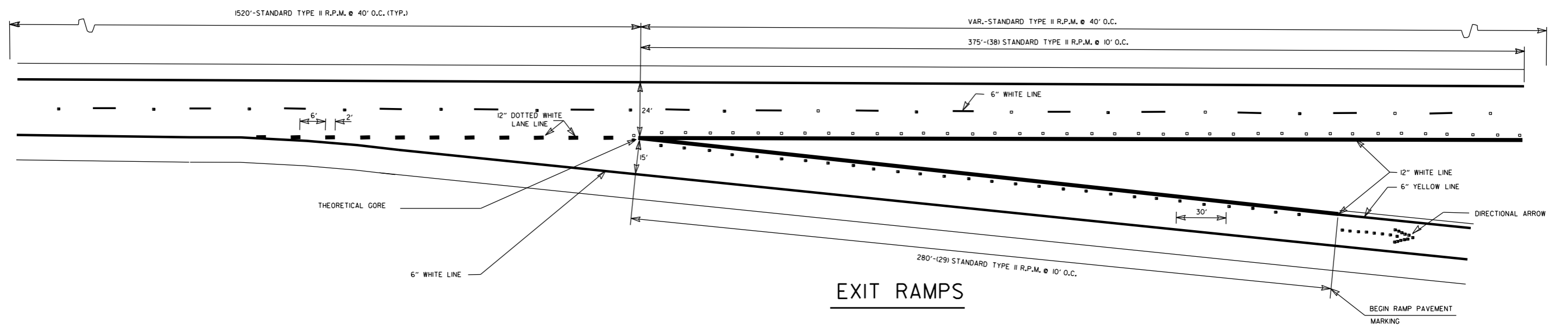
STANDARD DRAWING PM-1

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

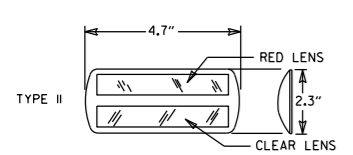


EXIT RAMPS

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.

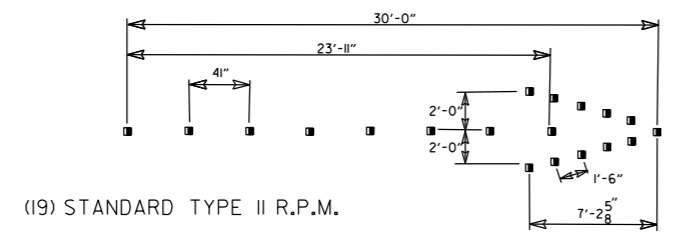
THIS DRAWING SHOULD BE USED IN CONJUNCTION WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST REVISION.

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.



DETAIL OF STANDARD RAISED PAVEMENT MARKERS

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




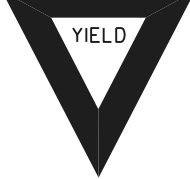





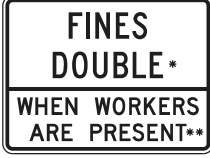


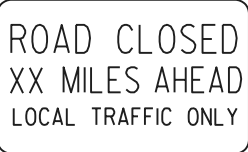


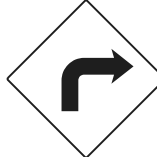








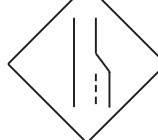

















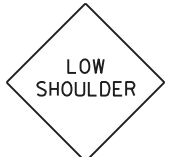

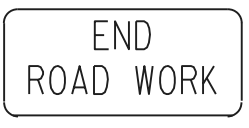
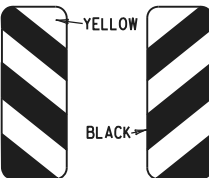
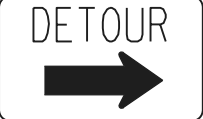

(19) STANDARD TYPE II R.P.M.
DIRECTIONAL ARROWS

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
		FILMED

ARKANSAS STATE HIGHWAY COMMISSION

PAVEMENT MARKING DETAILS ON ACCESS CONTROLLED ROADWAYS


STANDARD DRAWING PM-2

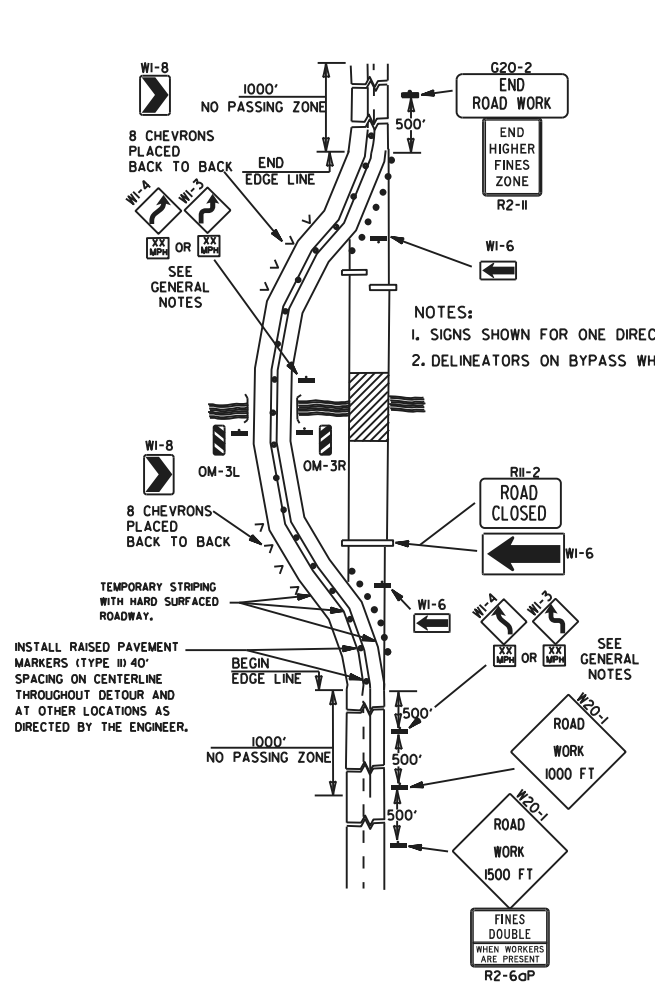
<p>RI-1</p>  <p>STANDARD 30"x30" EXPRESSWAY 36"x36" SPECIAL 48"x48"</p>	<p>RI-2</p>  <p>STD. 36"x36"x36" EXPWY. 48"x48"x48" FWY. 60"x60"x60"</p>	<p>R2-1</p>  <p>STD. 24"x30" EXPWY. 36"x48" FWY. 48"x60"</p>	<p>W3-5</p>  <p>STD. 36"x36" EXPWY. 48"x48" FWY. 48"x48"</p>	<p>W3-5a</p>  <p>STD. 36"x36" EXPWY. 48"x48" FWY. 48"x48"</p>	<p>R4-1</p>  <p>STD. 24"x30" EXPWY. 36"x48" FWY. 48"x60"</p>	<p>R4-2</p>  <p>STD. 24"x30" EXPWY. 36"x48" FWY. 48"x60"</p>	<p>R2-6aP</p>  <p>48"x36" *USE 6" C LETTERS **USE 4" D LETTERS</p>
<p>R5-1</p>  <p>STD. 30"x30" EXPWY. 36"x36" SPECIAL 48"x48"</p>	<p>R11-2</p>  <p>48"x30"</p>	<p>R11-3A</p>  <p>60"x30"</p>	<p>R11-4</p>  <p>60"x30"</p>	<p>W21-5a</p>  <p>STD. 36"x36" FWY. 48"x48"</p>	<p>WI-1</p>  <p>STD. 36"x36" FWY. 48"x48"</p>	<p>WI-2</p>  <p>STD. 36"x36" FWY. 48"x48"</p>	<p>R2-II</p>  <p>36"x48"</p>
<p>WI-3</p>  <p>STD. 48"x48"</p>	<p>WI-4</p>  <p>STD. 48"x48"</p>	<p>WI-6</p>  <p>STD. 48"x24" SPECIAL 60"x30"</p>	<p>WI-8</p>  <p>STD. 18"x24" SPECIAL 24"x30" EXPWY. 30"x36" FWY. 36"x48"</p>	<p>W3-1</p>  <p>STD. 36"x36" SPECIAL 48"x48"</p>	<p>W3-2</p>  <p>STD. 36"x36" SPECIAL 48"x48"</p>	<p>W4-2</p>  <p>STD. 36"x36" FWY. 48"x48"</p>	<p>R56-1</p>  <p>STD. 18"x18"</p>
<p>W5-1</p>  <p>STD. 36"x36" SPECIAL 48"x48"</p>	<p>W6-3</p>  <p>EXPWY. 36"x36" SPECIAL 48"x48"</p>	<p>W8-7</p>  <p>EXPWY. 36"x36" FWY. 48"x48"</p>	<p>W9-2</p>  <p>STD. 36"x36" FWY. 48"x48"</p>	<p>W13-1</p>  <p>STD. 24"x24"</p>	<p>W20-1</p>  <p>STD. 48"x48"</p>	<p>W20-2</p>  <p>STD. 48"x48"</p>	<p>W20-3</p>  <p>STD. 48"x48"</p>
<p>W20-4</p>  <p>STD. 48"x48"</p>	<p>W20-5</p>  <p>STD. 48"x48"</p>	<p>W20-7a</p>  <p>18" 500 FEET W6-2 24"</p> <p>STD. 36"x36" FWY. 48"x48"</p>	<p>W21-2</p>  <p>STD. 30"x30" SPECIAL 36"x36"</p>	<p>W21-5</p>  <p>STD. 30"x30" SPECIAL 36"x36"</p>	<p>W24-1</p>  <p>STD. 36"x36"</p>	<p>WI-4b</p>  <p>STD. 48"x48"</p>	
<p>W8-II</p>  <p>STD. 36"x36" FWY. 48"x48"</p>	<p>W8-9</p>  <p>STD. 36"x36" FWY. 48"x48"</p>	<p>G20-1</p>  <p>60"x24"</p>	<p>G20-2</p>  <p>48"x24"</p>	<p>OM-3L OM-3R</p>  <p>12"x36"</p>	<p>M4-9</p>  <p>STD. 30"x24" SPECIAL 48"x36" SPECIAL 60"x48"</p>	<p>M4-10</p>  <p>48"x18"</p>	

GENERAL NOTES:

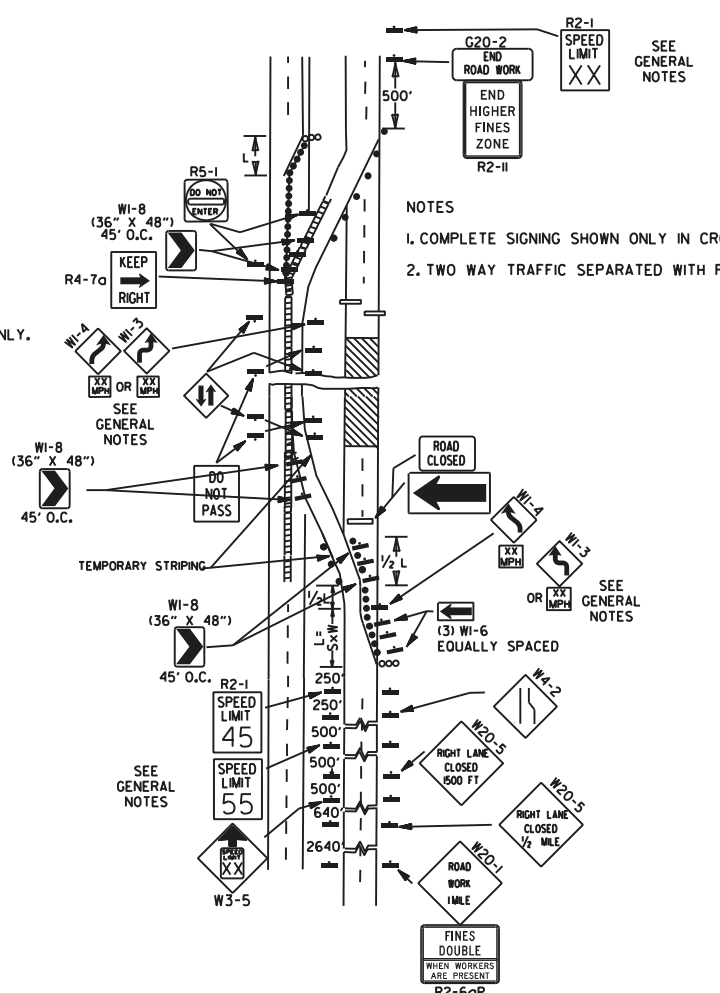
- ALL TRAFFIC CONTROL DEVICES USED ON ROAD CONSTRUCTION SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION, AND TO THE STANDARD HIGHWAY SIGNS, LATEST EDITION, OR AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION.
- TRAFFIC CONTROL DEVICES SHALL BE SET UP JUST BEFORE THE START 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.
- 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.
- SIGNS ARE USUALLY MOUNTED ON A SINGLE POST, ALTHOUGH THOSE WIDER THAN 36" OR LARGER THAN 10 SO. FT. SHALL BE MOUNTED ON TWO POSTS OR ABOVE A TYPE III BARRICADE.
- 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.
- 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.
- 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.
- FLAGGERS SHALL USE REFLECTORIZED STOP-SLOW PADDLES. FLAGS MAY BE USED ONLY FOR EMERGENCY SITUATIONS.
- 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.
- R2-6aP PLAQUES SHALL BE MOUNTED BELOW AN APPLICABLE ADVANCE WARNING SIGN THAT IS LOCATED AT LEAST 1500' BUT NOT MORE THAN 1 MILE IN ADVANCE OF THE WORK ZONE. IF A SPEED LIMIT REDUCTION IS IN EFFECT, THE PLAQUE SHALL BE PLACED A MINIMUM OF 500' IN ADVANCE OF THE W3-5 "REDUCED SPEED AHEAD" SIGN. R2-II SIGNS SHALL BE INSTALLED AT OR NEAR THE DOWNSTREAM END OF THE WORK ZONE. SEE STANDARD DRAWINGS TC-2, TC-3, AND TC-6 FOR TYPICAL PLACEMENT LOCATIONS.

*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.

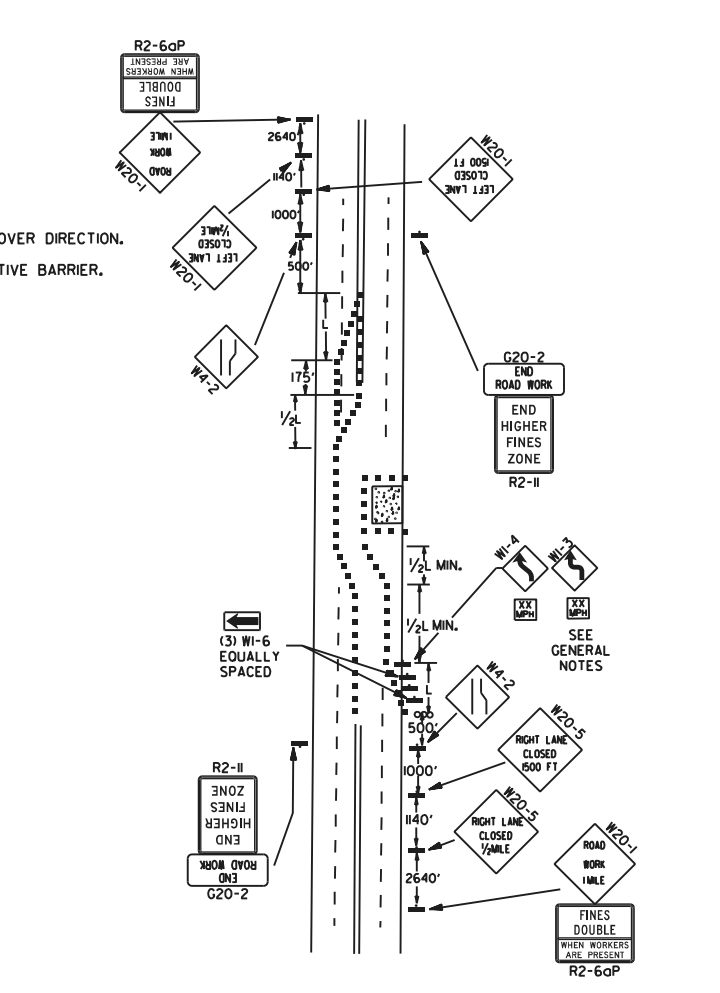
		<p>ARKANSAS STATE HIGHWAY COMMISSION</p>	
<p>STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION</p>			
<p>REPLACED R55-1 WITH R2-6aP, ADDED R2-11 & REVISED NOTE 10</p>	<p>REVISED FOR MASH</p>	<p>DELETED RSP-1 & ADDED W21-5a</p>	<p>REVISED REDUCED SPEED SIGN TO SHOW NEXT SIX MILES</p>
<p>08-14-25</p>	<p>11-07-19</p>	<p>04-13-17</p>	<p>09-02-15</p>
<p>DATE</p>	<p>REV</p>	<p>DATE</p>	<p>REV</p>
<p>08-14-2025</p>	<p>STANDARD DRAWING</p>	<p>TC-1</p>	



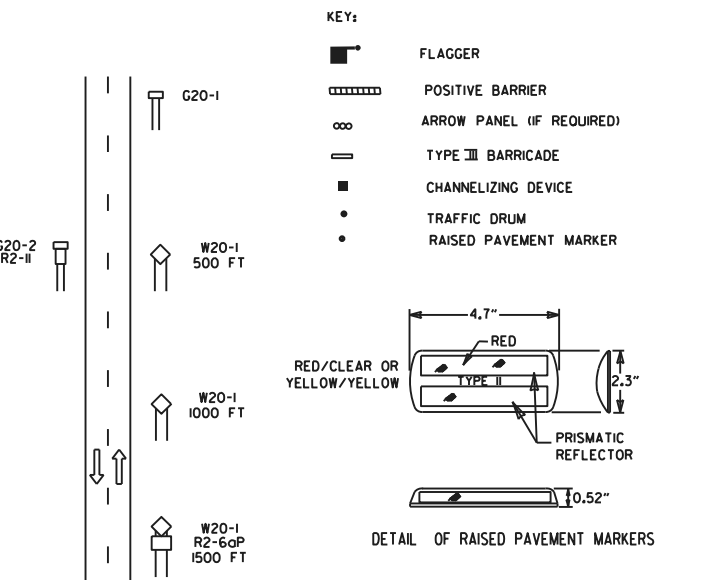
(A) TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES ON A 2-LANE HIGHWAY WHERE THE ENTIRE ROADWAY IS CLOSED AND A BYPASS DETOUR IS PROVIDED.



(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.



KEY:

- FLAGGER
- POSITIVE BARRIER
- ARROW PANEL (IF REQUIRED)
- TYPE III BARRICADE
- CHANNELIZING DEVICE
- TRAFFIC DRUM
- RAISED PAVEMENT MARKER

DETAIL OF RAISED PAVEMENT MARKERS

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.

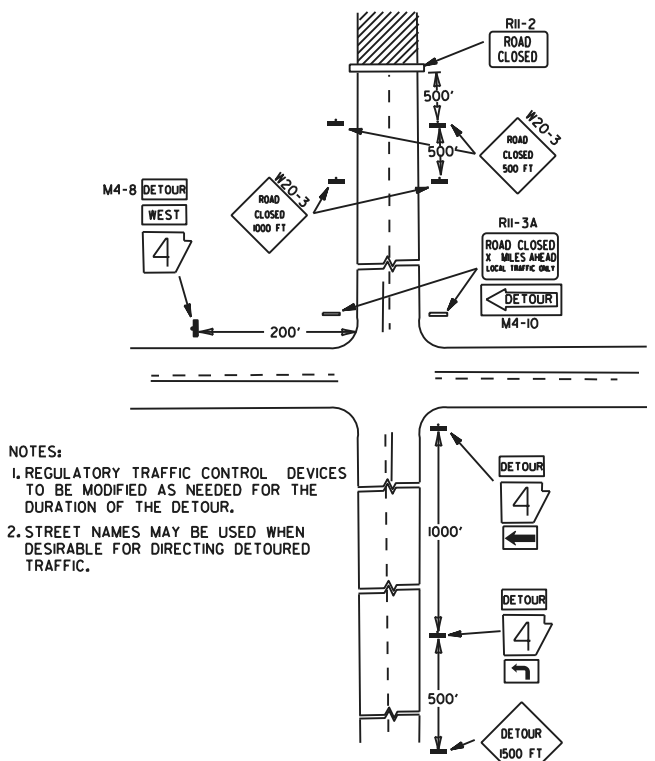
WHERE:

L = MINIMUM LENGTH OF TAPER.

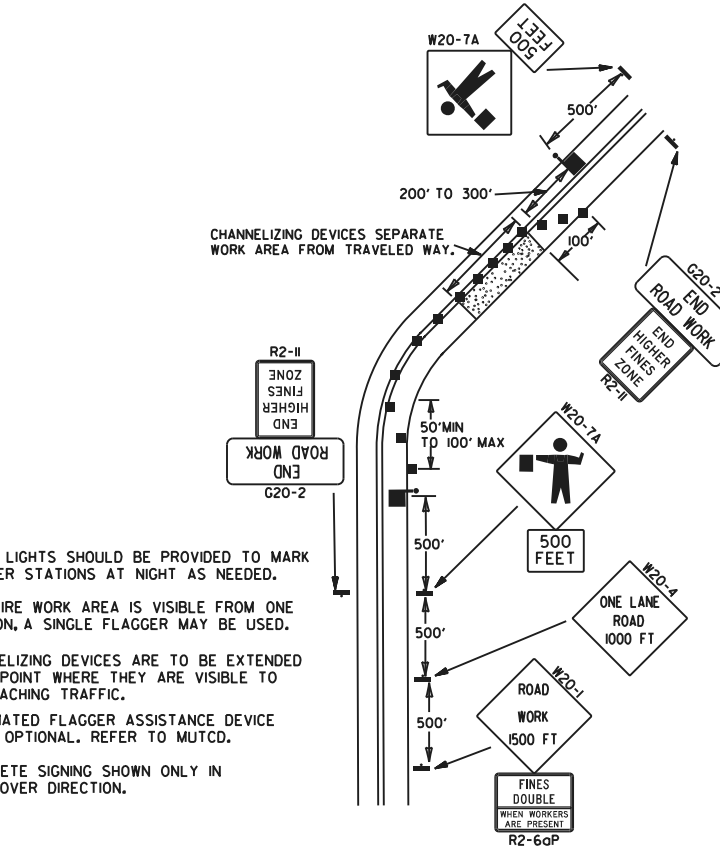
S = NUMERICAL VALUE OF POSTED SPEED LIMIT PRIOR TO WORK OR 85TH PERCENTILE SPEED.

W = WIDTH OF OFFSET.

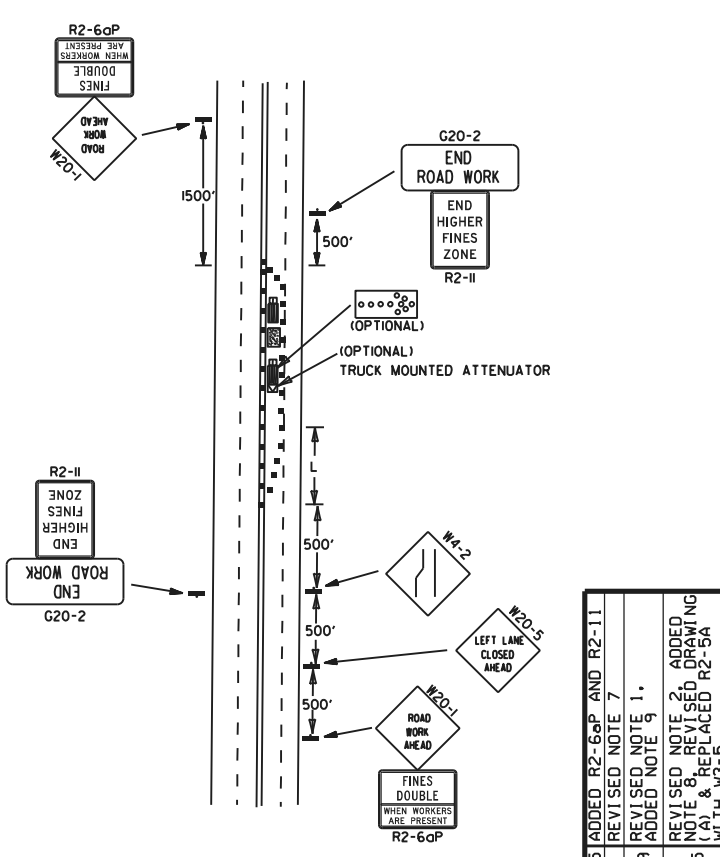
- GENERAL NOTES:
- THE MAINTENANCE DIVISION SHALL CONDUCT A BALL BANK STUDY TO DETERMINE THE ADVISORY SPEED LIMIT PRIOR TO OPENING TO TRAFFIC. THE ADVISORY SPEED WILL BE POSTED ON W1-3 OR W1-4 CURVE WARNING SIGNS. USE W1-4 WHEN SPEED IS GREATER THAN 30MPH AND W1-3 WHEN 30MPH OR LESS.
 - WHEN THE EXISTING 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 1/2 MILE INTERVALS. AT THE END OF THE WORK AREA A R2-1(XX) SHALL BE INSTALLED TO MATCH ORIGINAL SPEED LIMIT.
 - WHEN THE EXISTING SPEED LIMIT IS 65MPH AND THE PLANS REQUIRE A SPEED LIMIT OF 55MPH, THE R2-1(65) SHALL BE OMITTED. ADDITIONAL R2-1(55MPH) SPEED LIMIT SIGNS SHALL BE INSTALLED AT A MAXIMUM OF 1/2 MILE INTERVALS. AT THE END OF THE WORK AREA A R2-1(XX) SHALL BE INSTALLED TO MATCH ORIGINAL SPEED LIMIT.
 - 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.
 - WARNING LIGHTS AND/OR FLAGS MAY BE MOUNTED TO SIGNS OR CHANNELIZING DEVICES AT NIGHT AS NEEDED.
 - 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. PAYMENT FOR TRAFFIC DRUMS SHALL BE CONSIDERED INCLUDED IN THE PRICE BID FOR VARIOUS TRAILER MOUNTED DEVICES.
 - 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.
 - 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).



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



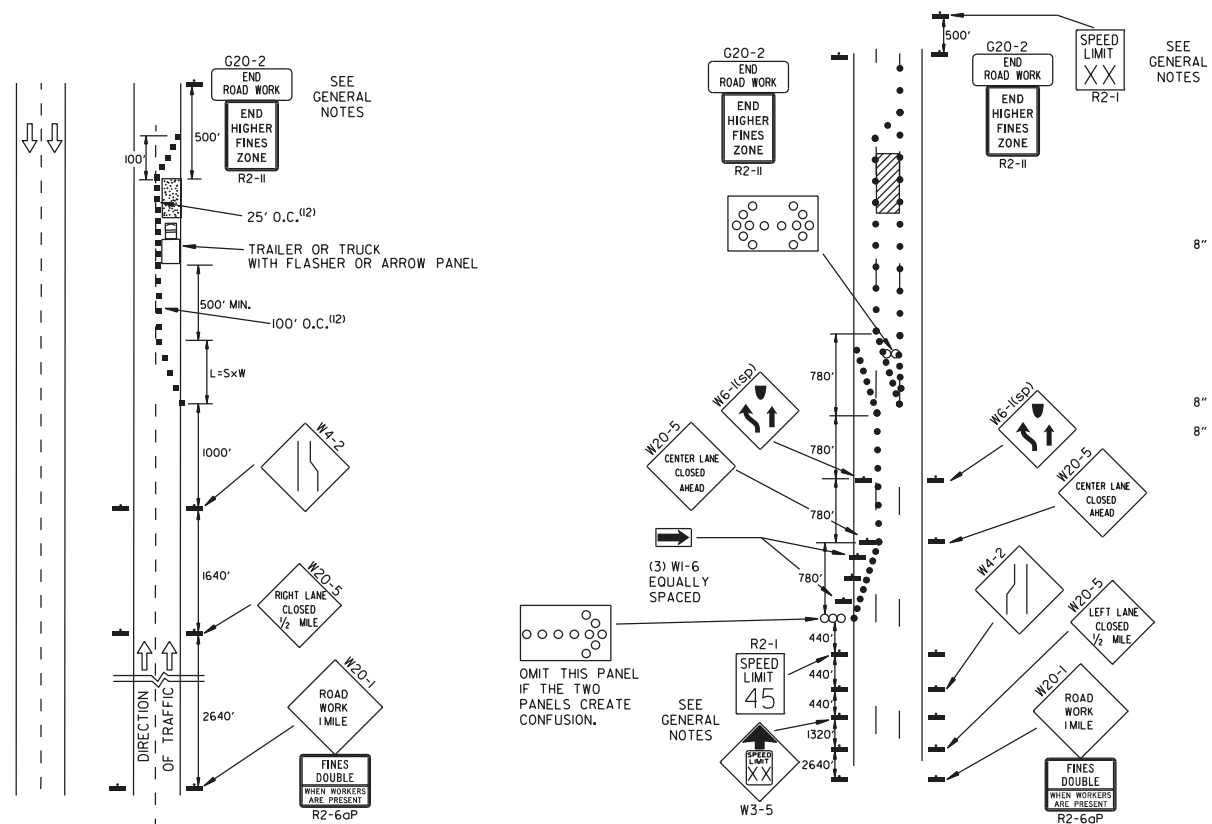
(E) TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES ON 2-LANE HIGHWAY WHERE ONE LANE IS CLOSED AND FLAGGING IS PROVIDED.



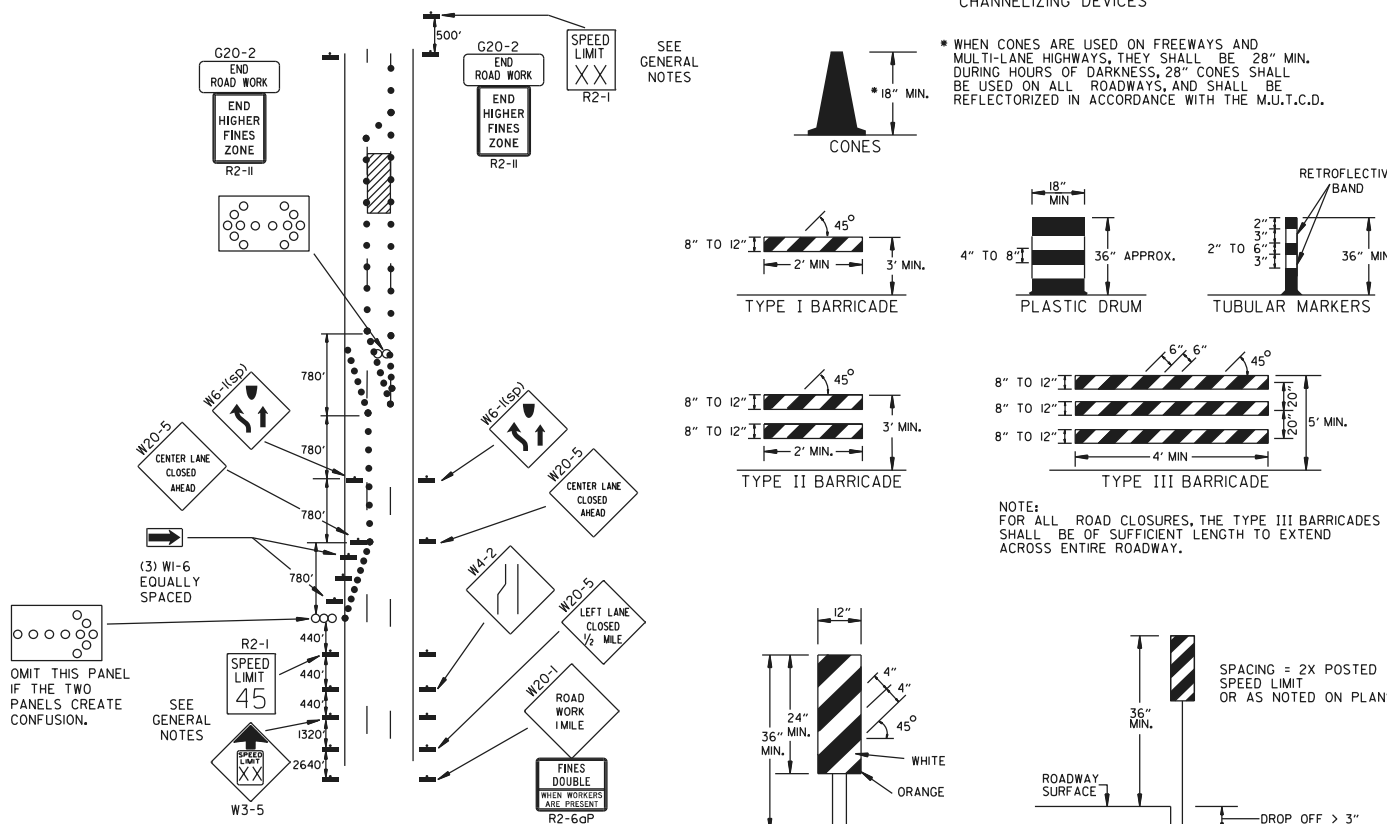
(F) TYPICAL APPLICATION - 4-LANE UNDIVIDED ROADWAY WITH INSIDE LANE CLOSED.

DATE	REV	DESCRIPTION
08-14-25	ADDED	R2-6aP AND R2-11
05-20-21	REVISED	NOTE 7
11-07-19	ADDED	NOTE 9
09-02-15	ADDED	NOTE 2, NOTE 8, REVISED DRAWING (A) & REPLACED R2-5A WITH W3-5
09-12-13	REVISED	DETAIL OF RAISED PAVEMENT MARKINGS

AR DOT ARKANSAS DEPARTMENT OF TRANSPORTATION		ARKANSAS STATE HIGHWAY COMMISSION	
STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION			
DATE EFFECTIVE	STANDARD DRAWING	TC-2	
08-14-2025			



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

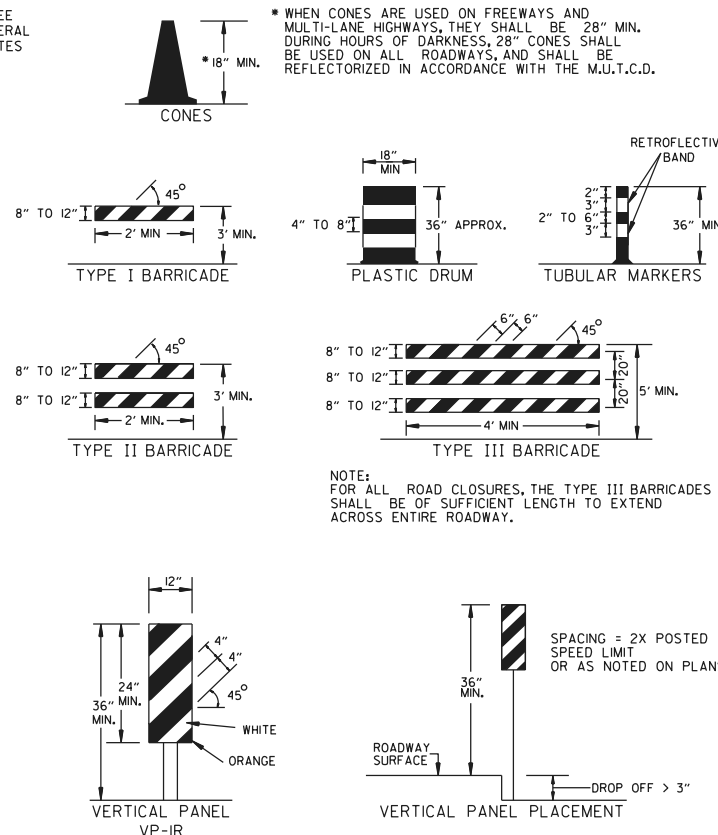


(B) TYPICAL APPLICATION - 3-LANE ONEWAY ROADWAY WHERE CENTER LANE IS CLOSED.

- KEY:
- ○ ○ ○ ○ 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.
 - 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(45)MPH SPEED LIMIT SIGNS SHALL BE INSTALLED AT A MAXIMUM OF 1/4 MILE INTERVALS. AT THE END OF THE WORK AREA A R2-1(XX) SHALL BE INSTALLED TO MATCH ORIGINAL SPEED LIMIT.
 - WHEN THE EXISTING SPEED LIMIT IS 65MPH AND THE PLANS REQUIRE A SPEED LIMIT OF 55MPH, THE R2-1(65) SHALL BE OMITTED. ADDITIONAL R2-1(55)MPH SPEED LIMIT SIGNS SHALL BE INSTALLED AT A MAXIMUM OF 1/4 MILE INTERVALS. AT THE END OF THE WORK AREA A R2-1(XX) SHALL BE INSTALLED TO MATCH ORIGINAL SPEED LIMIT.
 - 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.
 - WARNING LIGHTS AND/OR FLAGS MAY BE MOUNTED TO SIGNS OR CHANNELIZING DEVICES AT NIGHT AS NEEDED.
 - PAVEMENT MARKINGS NO LONGER APPLICABLE WHICH MIGHT CREATE CONFUSION IN THE MINDS OF VEHICLE OPERATORS SHALL BE REMOVED OR OBLITERATED AS SOON AS PRACTICABLE.
 - THE G20-1 SIGN SHOULD BE INSTALLED 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(1/2 MILE) SIGNS ARE NOT REQUIRED IN ADVANCE OF LANE CLOSURES THAT BEGIN INSIDE THE PROJECT LIMITS. THE DISTANCE DISPLAYED ON THE G20-1 SIGN SHALL BE STATED TO THE NEAREST WHOLE MILE.
 - FLAGGERS SHALL USE STOP/SLOW PADDLES FOR CONTROLLING TRAFFIC THROUGH WORK ZONES. FLAGS MAY BE USED ONLY FOR EMERGENCY SITUATIONS.
 - ALL PLASTIC DRUMS AND CONES SHALL MEET THE REQUIREMENTS OF MANUAL FOR ASSESSING SAFETY HARDWARE (MASH).
 - TRAILER MOUNTED DEVICES SUCH AS ARROW PANELS AND PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE DELINEATED BY AFFIXING CONSPICUOUS 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. PAYMENT FOR TRAFFIC DRUMS SHALL BE CONSIDERED INCLUDED IN THE PRICE BID FOR VARIOUS TRAILER MOUNTED DEVICES.
 - 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).
 - ONLY WHERE SPACE RESTRICTIONS DO NOT ALLOW FOR TRAFFIC DRUMS, TUBULAR MARKERS MAY BE USED AT 50' O.C. IN STABILIZATION ZONES AND AT 10' O.C. DIRECTLY ADJACENT TO CONSTRUCTION OPERATIONS AND AT EXIT TAPERS. TUBULAR MARKERS SHALL BE STABILIZED WITH WEIGHTED BASES IN ACCORDANCE WITH THE M.U.T.C.D.

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

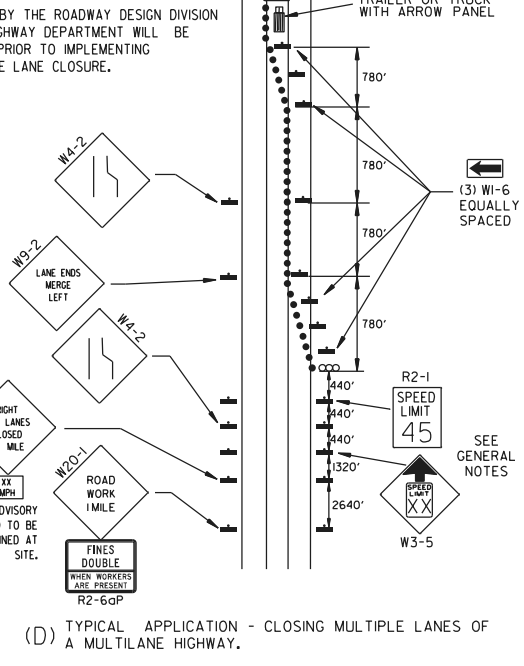
CHANNELIZING DEVICES



* 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.

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

FLAG SHALL BE OF GOOD GRADE RED MATERIAL



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

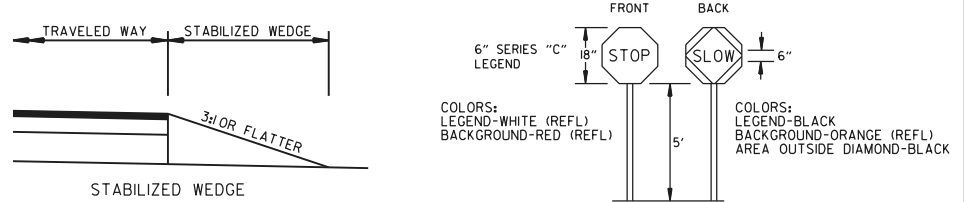
TRAFFIC CONTROL DEVICES

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

VERTICAL DIFFERENTIAL	LOCATION	INTERSTATE	
		TRAFFIC CONTROL	
		≤ 3"	> 3"
≤ 3"	CENTERLINE	W8-11 AND LANE STRIPING	W8-11 AND LANE STRIPING
≤ 3"	EDGE OF TRAVELED LANE OR EDGE OF SHOULDER	W8-9, EDGE LINE STRIPING, AND TRAFFIC DRUMS ⁽²⁾	W8-9, EDGE LINE STRIPING, AND TRAFFIC DRUMS ⁽²⁾
> 3"	EDGE OF TRAVELED LANE OR EDGE OF SHOULDER	W8-17, EDGE LINE STRIPING, AND TRAFFIC DRUMS ⁽²⁾	W8-17, EDGE LINE STRIPING, AND TRAFFIC DRUMS ⁽²⁾
> 6"	EDGE OF TRAVELED LANE OR EDGE OF SHOULDER	PRECAST CONCRETE BARRIER & EDGE LINES	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

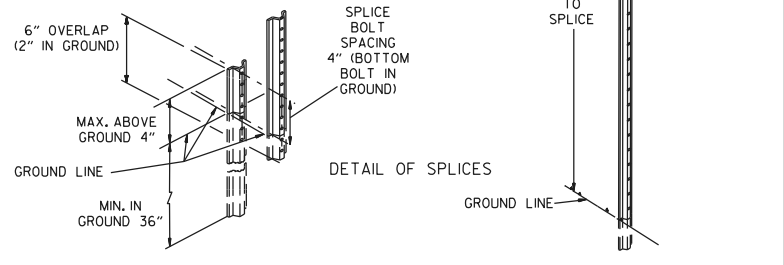
- GENERAL NOTES:
- WHEN THE SHOULDER AREA IS USED AS PART OF THE TRAVELED LANE AND THERE IS INSUFFICIENT WIDTH TO PLACE TRAFFIC DRUMS ON THE REMAINING SHOULDER WIDTH, THEN VERTICAL PANELS SHALL BE USED.
 - WHEN THERE IS INSUFFICIENT WIDTH TO PLACE TRAFFIC DRUMS ON THE REMAINING SHOULDER WIDTH, A STABILIZED WEDGE SHALL BE USED. 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, 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, W21-5, W21-5a, AND/OR W21-5b SIGNS SHALL BE USED WHERE THE ROADWAY IS UNOBSERVED IF AND WHERE DIRECTED BY THE ENGINEER. TIME LIMITATIONS MUST CONFORM TO SECTION 603 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (CURRENT EDITION).



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

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.



08-14-25	ADDED R2-6aP AND R2-11	<p>ARKANSAS STATE HIGHWAY COMMISSION</p> <p>STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION</p>	DATE EFFECTIVE	STANDARD DRAWING	TC-3
05-22-25	REVISED TRAFFIC CONTROL DEVICES AND NOTES, ADDED NOTE 12		DATE EFFECTIVE	STANDARD DRAWING	TC-3
08-12-21	REVISED TRAFFIC CONTROL DEVICES AND NOTES		DATE EFFECTIVE	STANDARD DRAWING	TC-3
05-20-21	REVISED NOTE 10		DATE EFFECTIVE	STANDARD DRAWING	TC-3
02-27-20	REVISED TRAFFIC CONTROL DEVICES DETAILS		DATE EFFECTIVE	STANDARD DRAWING	TC-3

