

STATE	PROJECT NUMBER	SHEET NO.
MISSISSIPPI	MP-1278-48(014)	1

**GENERAL INDEX**

INCLUDED THIS PROJECT	BEGIN WITH SHEET
<input checked="" type="checkbox"/> ROADWAY .....	1
<input type="checkbox"/> PERMANENT SIGNS .....	1001
<input type="checkbox"/> TRAFFIC SIGNALS .....	2001
<input type="checkbox"/> ITS COMPONENTS .....	3001
<input type="checkbox"/> LIGHTING .....	4001
<input type="checkbox"/> (RESERVED) .....	5001
<input checked="" type="checkbox"/> ROADWAY STANDARD DWGS .....	6001
<input type="checkbox"/> BOX CULVERT STD. DRAWINGS (LRFD) ....	7001
<input type="checkbox"/> BOX CULVERT STD. DRAWINGS (STD. SPEC.)	7501
<input type="checkbox"/> BRIDGE .....	8001
<input type="checkbox"/> CROSS SECTIONS .....	9001

**BRIDGE STRUCTURES REQ'D.  
NONE**

**B.O.P. 1384+30**

**BOX BRIDGES REQ'D.  
NONE**

STATE OF MISSISSIPPI  
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

# PLAN AND PROFILE OF PROPOSED STATE HIGHWAY

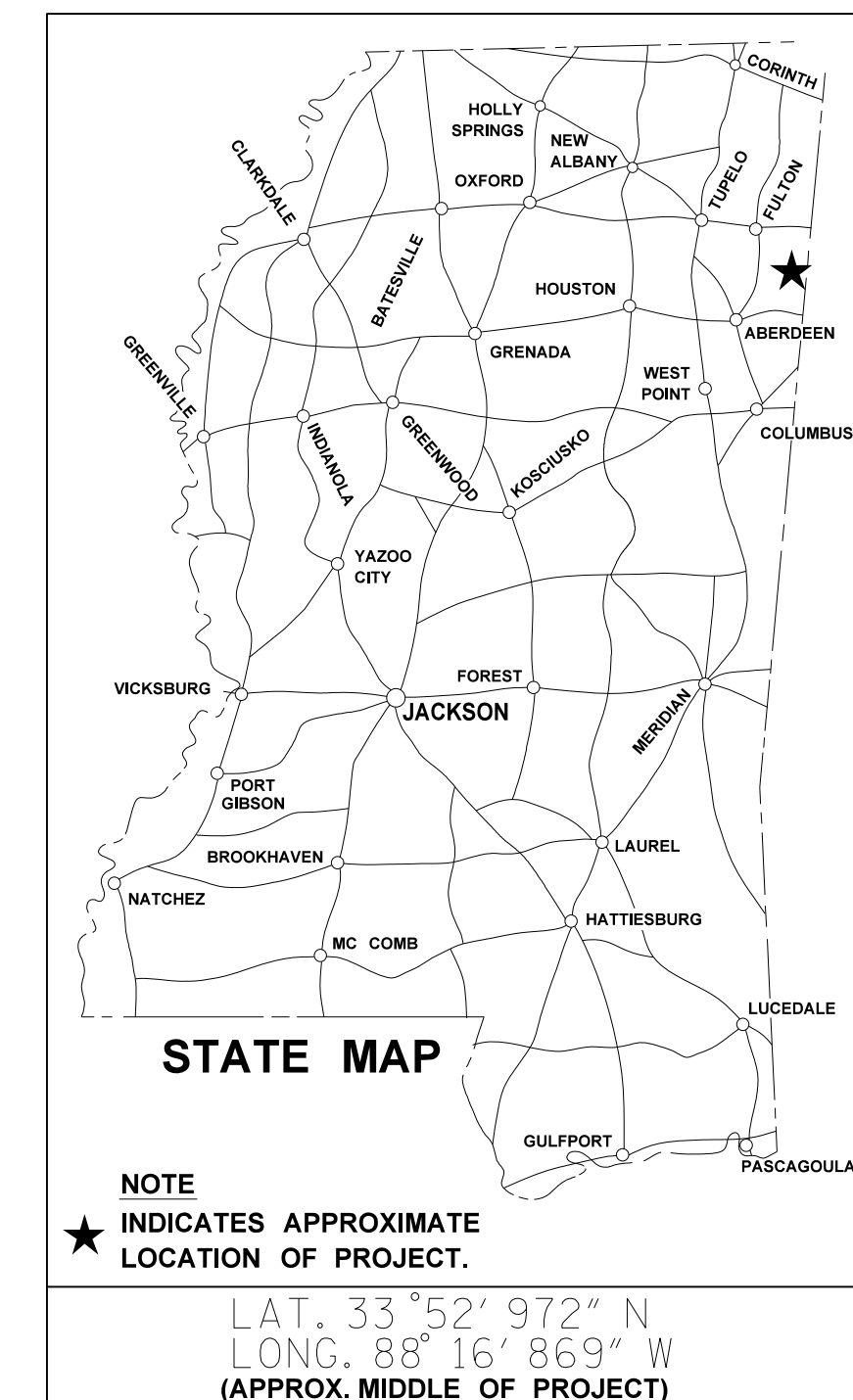
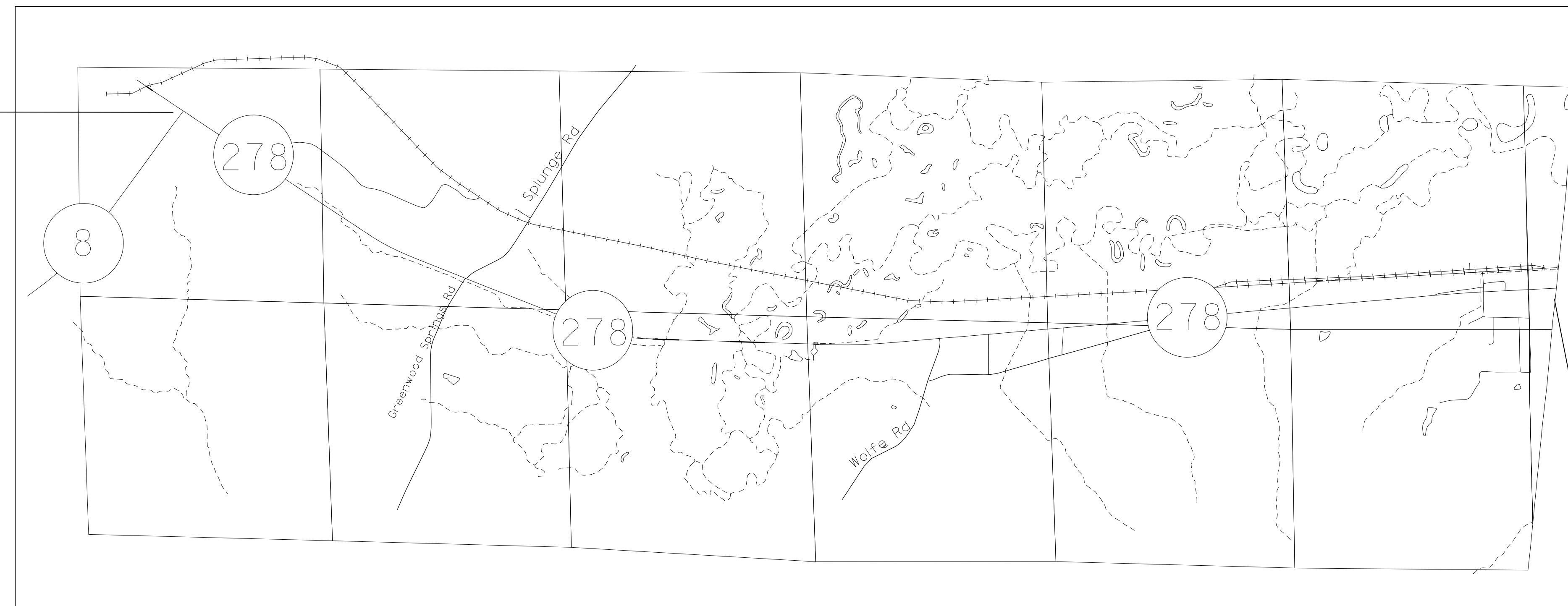
## STATE PROJECT NO. MP-1278-48(014)

**US 278 FROM SR 8  
TO ALABAMA STATE LINE  
MONROE CO**

FMS CON. NO. 306954/301000

**SCALES**

PLAN	1 IN. = 100 FT.
PROFILE	HOR. 1 IN. = 100 FT.
	VERT. 1 IN. = 10 FT.
LAYOUT	1 IN. = FT.



**DESIGN CONTROL**

MPH = V (SPEED DESIGN)

ADT ( ) = : ADT ( ) =

DHV = : D = % T = %

---

**PERMITS ACQUIRED BY MDOT**

WETLANDS AND WATERS PERMITS		
	WATERS	WETLANDS
NATIONWIDE #14	N	N
NATIONWIDE (OTHER)*	N	N
GENERAL*	N	N
INDIVIDUAL (404)*	N	N

---

STORMWATER PERMIT  N

Y REQUIRED CNOI SUBMITTED BY MDOT (DISTURBED AREA = 5 ACRES)

S REQUIRED SCNOI TO BE SUBMITTED BY CONTRACTOR (1 TO 4.99 ACRES)

N NO STORMWATER PERMIT REQUIRED (<1 ACRE)

APPROVED BY: \_\_\_\_\_

**E.O.P. 1704+00**

**CONVENTIONAL SYMBOLS**

COUNTY LINE	-----
TOWN CORPORATION LINE	-----
SECTION LINE	-----
EXISTING ROAD OR TRAVELED WAY	-----
PROPOSED ROAD OR TRAVELED WAY	-----
RAILROAD	-----
SURVEY LINE	-----
BRIDGES	-----

**EQUATIONS**

**NONE**

**EXCEPTIONS**

**NONE**

**LENGTH DATA**

LENGTH OF ROADWAY	30470 FT.	5.77 MI.
LENGTH OF BRIDGES	1500 FT.	.28 MI.
LENGTH OF PROJECT (NET)	31970 FT.	6.05 MI.
LENGTH OF EXCEPTIONS	0 FT.	0 MI.
LENGTH OF PROJECT (GROSS)	31970 FT.	6.05 MI.

P S & E DATE: 2/12/2020

APPROVED:

DEPUTY EXECUTIVE DIRECTOR / CHIEF ENGINEER

EXECUTIVE DIRECTOR



DATE	REVISIONS	BY

STATE	PROJECT NO.
MISS.	MP-1278-48(014)

DESCRIPTION OF SHEET

WKG. NO. SH. NO.

TITLE SHEET (1)			1
DETAILED INDEX AND GENERAL NOTES (1)		DI-1	2
TYPICAL SECTION SHEET (1)			
TYPICAL MILLINGS AND OVERLAY SECTIONS OF MAINLINE		TS-1	3
QUANTITY SHEETS (1)			
SUMMARY OF QUANTITIES		SQ-1	4
DETAIL OF CONSTRUCTION SIGNING (1)		CS-1	5
STANDARD DRAWINGS - ROADWAY SHEETS (8)			
PAVEMENT MARKING DETAILS FOR 2-LANE AND 4-LANE DIVIDED HIGHWAYS		PM-1	6051
2-WAY RAISED PAVEMENT MARKERS AT INTERSECTING ROADS (2-LANE)		PM-11	6061
RUMBLE STRIPES 2-LANE HIGHWAYS		RS-1	6064
TYPICAL GUARDRAIL INSTALLATION AT BRIDGE APPROACHES		GR-4A	6215
TYPICAL GUARDRAIL DELINEATION		SN-8C	6317
TRAFFIC CONTROL PLAN WITH FLAGGER (ONE-LANE CLOSURE OF TWO-WAY TRAFFIC)		TCP-1	6351
TRAFFIC CONTROL PLAN MOBILE OPERATIONS MULTILANE ROADS AND TWO-LANE ROADS		TCP-9	6359
TEMPORARY STRIPING FOR TRAFFIC CONTROL 2-LANE AND 4-LANE DIVIDED HIGHWAYS		TCP-13	6363
TOTAL SHEETS = 13			


GENERAL NOTES:

- 1.) WHERE MILLING OF THE ROADWAY LANES IS REQUIRED, THE CONTRACTOR SHALL PROVIDE OUTLETS IN THE EXISTING SHOULDERS AT SUFFICIENT INTERVALS TO PREVENT POOLING OR STANDING WATER ON THE MILLED SURFACE.(ABSORBED ITEM)
- 2.) VEGETATIVE MATERIAL WILL BE REMOVED PRIOR TO PLACEMENT OF GRANULAR MATERIAL. COST TO BE ABSORBED IN OTHER ITEMS.
- 3.) NO GRANULAR MATERIAL SHALL BE PLACED DIRECTLY UPON THE FINISHED SURFACE COURSE.
- 4.) FLOURESCENT ORANGE SHEETING SHALL BE USED ON ALL CONSTRUCTION AND TRAFFIC CONTROL SIGNS EXCEPT FOR THOSE DESIGNATED ON THE PLANS TO BE BLACK LEGEND AND BORDER ON WHITE BACKGROUND.
- 5.) ALL TRAFFIC CONTROL DEVICES ON THIS PROJECT SHALL COMPLY WITH PART VI OF THE MUTCD (LATEST EDITION).
- 6.) ALL PLASTIC DRUMS SHALL HAVE A BALLASTING COLLAR MADE FROM RECYCLED TRUCK TIRES OR OTHER SUITABLE MATERIAL.
- 7.) THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING STRUCTURES SUCH AS, BUT NOT LIMITED TO, PIPES, INLETS, APRONS, AND BRIDGES FROM DAMAGE WHICH MIGHT OCCUR DURING CONSTRUCTION. THE CONTRACTOR SHALL REPLACE OR REPAIR, AS DIRECTED BY THE ENGINEER, ANY STRUCTURES DAMAGED DURING THE LIFE OF THE CONTRACT. NO PAYMENT WILL BE MADE FOR REPLACEMENT OR REPAIR OF DAMAGED ITEMS.
- 8.) BIDDERS ARE ADVISED THAT HARD COPIES OF ANY ADDENDA FOR THIS PROJECT WILL NO LONGER BE MAILED. ALL ADDENDA FOR THIS PROJECT WILL BE POSTED TO [www.mdot.ms.gov](http://www.mdot.ms.gov) UNDER THE PROPOSAL ADDENDA COLUMN. IT IS THE BIDDER'S RESPONSIBILITY TO CHECK AND SEE IF ANY ADDENDA HAVE BEEN POSTED FOR THIS PROJECT. PLEASE CONTACT CONTRACT ADMINISTRATION DIVISION AT 601-359-7700 FOR ANY QUESTIONS REGARDING ELECTRONIC ADDENDA.

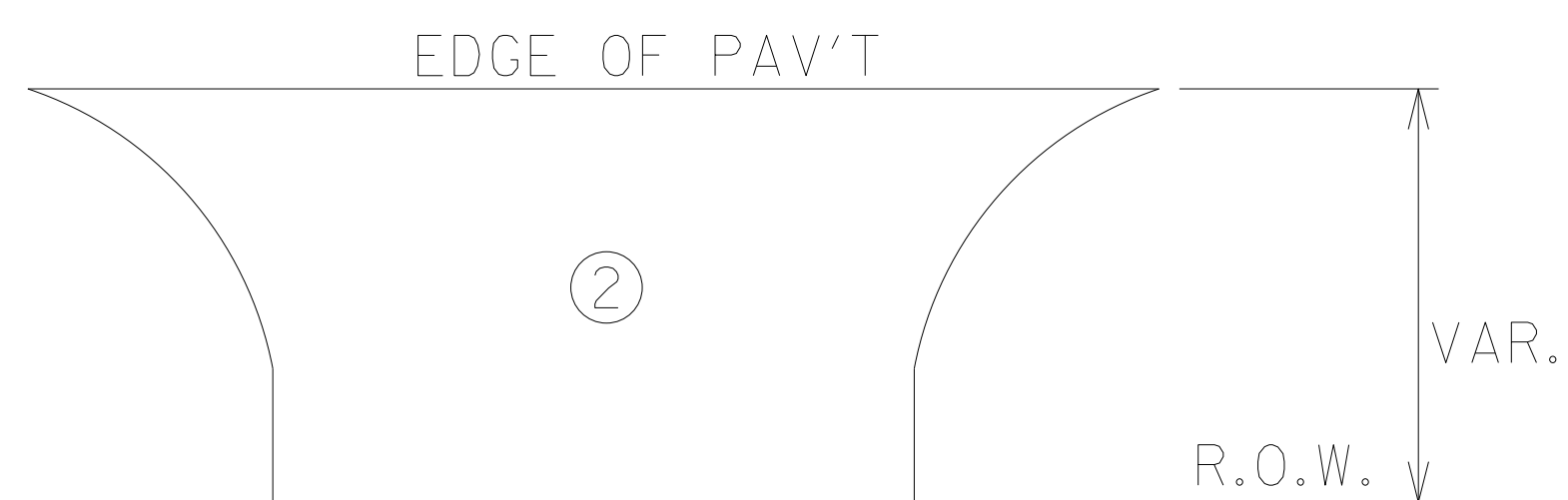
001 00 AMPM DGNFL LENAME MISSISSIPPI DEPARTMENT OF TRANSPORTATION PLAN DIVISION ROADWAY DESIGN

DISTRICT 1

PS & E PLANS-DATE 2/12/2020		
FMS CON. # 306954/301000		
REVISIONS		
DATE	SHEET NO.	BY

BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION
REVISION	<b>DETAILED INDEX</b>
BY	
REVISION	PROJ. NO.: <b>MP-1278-48(014)</b> COUNTY: <b>MONROE</b>
DATE	WORKING NUMBER DI-1 SHEET NUMBER <b>2</b>
DESIGN TEAM	FILE NAME: _____
CHECKED	DATE

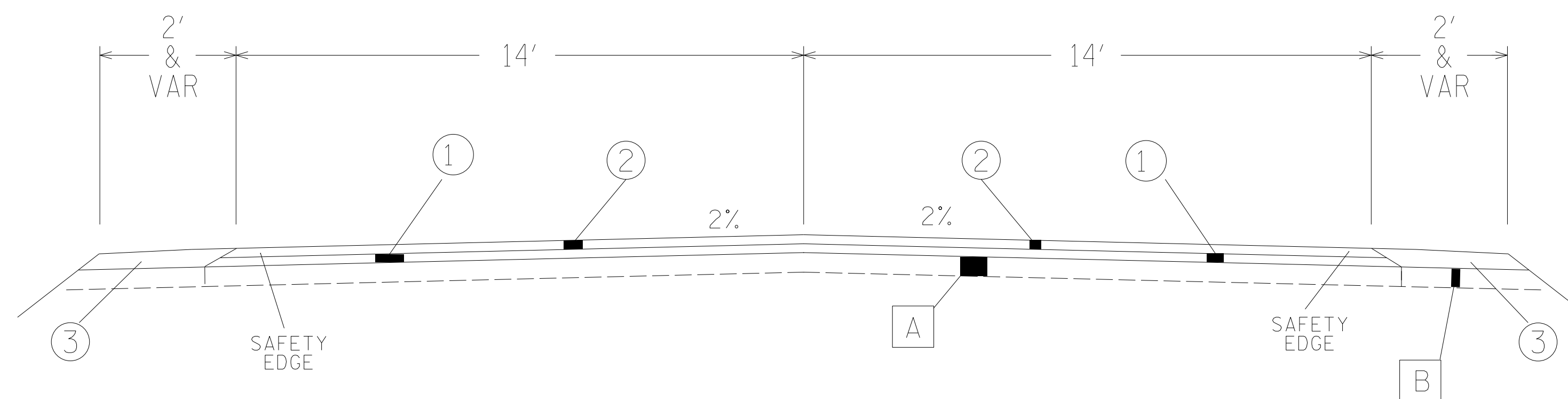
STATE	PROJECT NO.
MISS.	MP-1278-48(014)



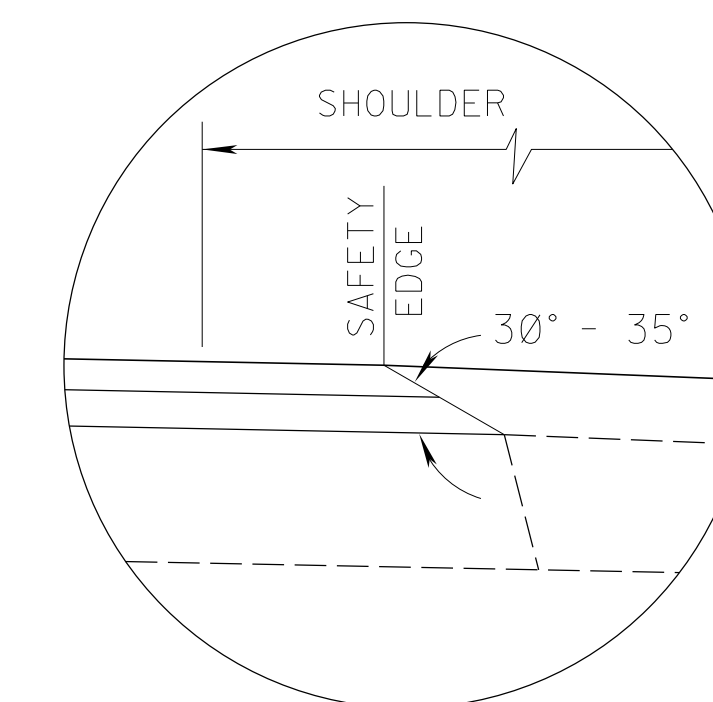
DETAIL FOR LOCAL ROAD TURNOUTS, MILLED SECTION.

TYPICAL MILLING AND OVERLAY SECTION FOR 2-LANE SECTION

STA. 1384+30 - 1704+00



- ① 3/4" & VARIABLE PRELIMINARY LEVELING COURSE, ASPHALT, ST, 9.5-MM MIXTURE, PAY ITEM NO. 403-A015
- ② 1.5" ASPHALT, ST, 9.5-MM MIXTURE, PAY ITEM NO. 403-A015
- ③ VARIABLE GRANULAR MATERIAL, LVM, CLASS 3, GROUP D, REQUIRED ON SHOULDERS PAY ITEM NO. 304-A003.



**SAFETY EDGE REQ'D TOP 2 LIFTS ONLY (NOT A PAY ITEM) OVERLAY**

- A VAR. THICKNESS ASPHALT PAVEMENT IN PLACE.
- B VAR. THICKNESS GRANULAR MATERIAL IN PLACE.

NOT TO SCALE

NOTE:

- ① NO GRANULAR MATERIAL SHALL BE PLACED DIRECTLY UPON THE FINISHED SURFACE COURSE.
- ② VEGETATIVE MATERIAL WILL BE REMOVED PRIOR TO PLACEMENT OF GRANULAR MATERIAL. COST TO BE ABSORBED IN OTHER ITEMS.
- ③ WHERE MILLING OF THE ROADWAY LANES IS REQUIRED, THE CONTRACTOR SHALL PROVIDE OUTLETS IN THE EXISTING SHOULDERS AT SUFFICIENT INTERVALS TO PREVENT POOLING OR STANDING WATER ON THE MILLED SURFACE. (ABSORBED ITEM)
- ④ MILLING TRANSITION OF 150' FROM 1 1/2" TO 0" WILL HAPPEN AT BOP, EOP IN ADDITION TO ALL BRIDGE ENDS.
- ⑤ A MILLED KEYWAY WILL BE REQUIRED ON EACH COUNTY ROAD TO ALLOW FOR SUITABLE ASPHALT TIE DOWN.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION			
TYPICAL MILLING AND OVERLAY SECTIONS			
PROJ. NO.: <b>MP-1278-48(014)</b> COUNTY: <b>MONROE</b>			
REVISION	BY	DATE	FILE NAME:
			DESIGN TEAM _____ CHECKED _____ DATE _____
WORKING NUMBER TS-1			SHEET NUMBER <b>3</b>

ROADWAY DESIGN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

001.00 AMPM DGNFILENAME


STATE	PROJECT NO.
MISS	MP-1278-48(014)

**SUMMARY OF QUANTITIES (SHEET 1)**

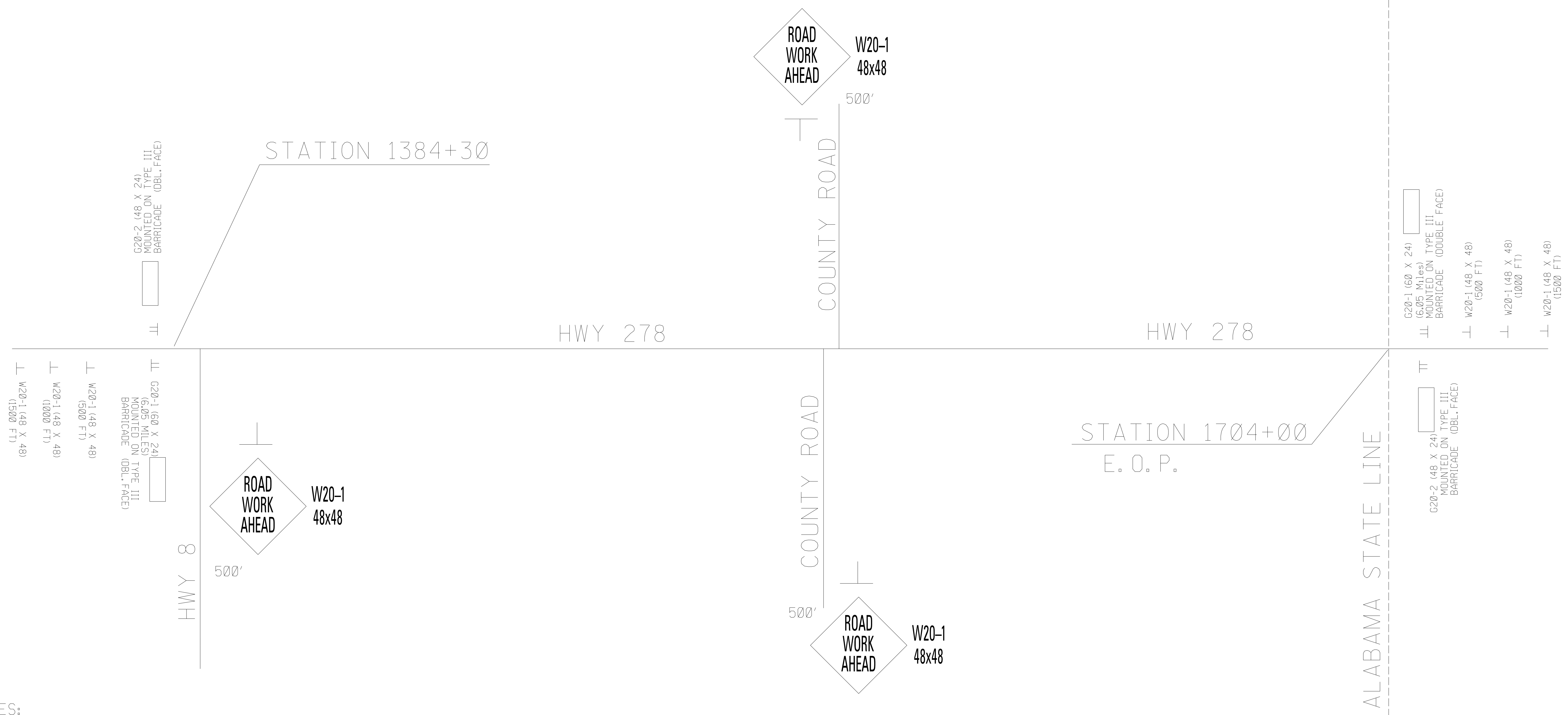
PAY ITEM NO.	PAY ITEM	UNIT	MONROE : 306954-301000	
			Prelim	Final
202-B152	Removal of Guard Rail Terminal End Section	EA	12	
202-B240	Removal of Traffic Stripe	LF	3,500	
202-B260	Removal of and Replacement of Blockouts	EA	200	
304-A003	Granular Material, LVM, Class 3, Group D	CY	1,600	
403-A015	9.5-mm, ST, Asphalt Pavement	TON	13,500	
406-D001	Fine Milling of Bituminous Pavement, All Depths	SY	3,800	
406-E002	Fine Milling of Concrete Pavement, All Depths	SY	375	
407-A001	Asphalt for Tack Coat	GAL	10,600	
423-A001	Rumble Strips, Ground In	MI	13	
606-E005	Guard Rail, Terminal End Section, Flared	EA	12	
618-A001	Maintenance of Traffic	LS	1	
618-B001	Additional Construction Signs	SF	1	
619-A1001	Temporary Traffic Stripe, Continuous White	MI	25	
619-A2001	Temporary Traffic Stripe, Continuous Yellow	MI	7	
619-A4002	Temporary Traffic Stripe, Skip Yellow	MI	11	
619-A5001	Temporary Traffic Stripe, Detail	LF	1,250	
619-A6001	Temporary Traffic Stripe, Legend	SF	1,300	
907-619-B001	Temporary Portable Rumble Strips	LF	66	
620-A001	Mobilization	LS	1	
907-624-B002	6" Inverted Profile Thermoplastic Traffic Stripe, Continuous White	LF	3,000	
907-624-C001	6" Inverted Profile Thermoplastic Traffic Stripe, Skip Yellow	LF	1,500	
	OR			
628-H001	6" High Performance Cold Plastic Traffic Stripe, Continuous White	LF	3,000	
628-I002	6" High Performance Cold Plastic Traffic Stripe, Skip Yellow	LF	1,500	
626-C004	6" Thermoplastic Edge Stripe, Continuous White	MI	13	
626-D003	6" Thermoplastic Traffic Stripe, Skip Yellow	MI	6	
626-F003	6" Thermoplastic Edge Stripe, Continuous Yellow	MI	4	
626-G002	Thermoplastic Detail Stripe, White	LF	1,700	
626-G003	Thermoplastic Detail Stripe, Yellow	LF	900	
626-H005	Thermoplastic Legend, White	LF	5,000	
627-J001	Two-Way Clear Reflective High Performance Raised Markers	EA	300	
627-L001	Two-Way Yellow Reflective High Performance Raised Markers	EA	850	
630-F006	Delineators, Guard Rail, White	EA	78	

②  
③  
①

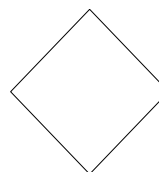
- ① 100 tons for Aprons, 4400 tons for Mainline Leveling, 8800 tons for Mainline Surface and 200 tons for County Roads.
- ② Remove existing metal BLOCKOUTS and replace with approved BLOCKOUTS.
- ③ Quantity includes 50% shrinkage.

By		<b>MISSISSIPPI DEPARTMENT OF TRANSPORTATION</b>	
		<b>SUMMARY OF QUANTITIES</b>	
Revision	Date		PROJ NO: MP-1278-48(014) COUNTY: MONROE
		Working Number <b>SQ-1</b>	Sheet Number <b>4</b>
FILENAME: Pg4 Design Team		Checked	Date

STATE	PROJECT NO.
MISS.	MP-1278-48(014)



NOTES:

- ALL SIGNS, BARRICADES, AND CHANNELIZING DEVICES ARE TO BE PAID FOR UNDER PAY ITEM NO. 618-A001, MAINTENANCE OF TRAFFIC.
- THE LOCATION AND SPACING OF SIGNS, AS SHOWN ON THIS SHEET ARE APPROXIMATE AND MAY BE ADJUSTED AS NECESSARY TO FIT FIELD CONDITIONS.
-  W20-1 (AHEAD) SIGNS REQUIRED ON ALL COUNTY ROADS AS DIRECTED BY THE ENGINEER.
- W8-7 LOOSE GRAVEL SIGNS SHALL BE PLACED AT THE BEGINNING AND END OF THE SCRUB SEAL SECTION AND AS NEEDED.

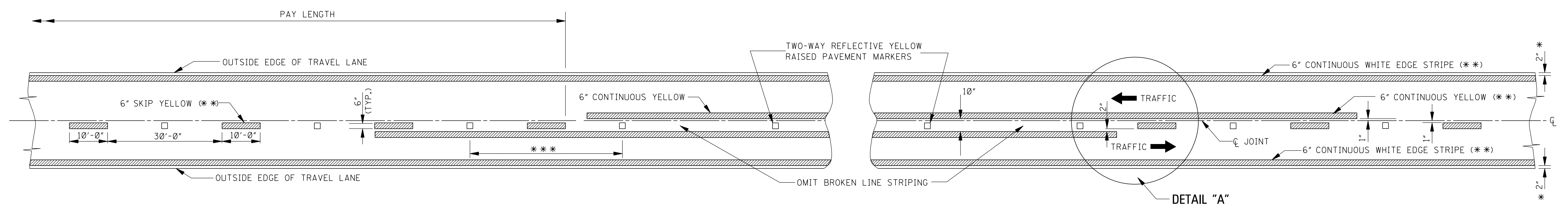
JOB TOTALS  
ESTIMATED CONSTRUCTION SIGNS  
(PAID FOR UNDER PAY ITEM NO. 618-A001)

<u>22</u>	W20-1 (AHEAD) SIGNS REQUIRED ON CITY STREETS OR COUNTY ROADS AS DESIGNATED BY THE ENGINEER.
<u>10</u>	NO PASSING ZONE
<u>25</u>	DO NOT PASS
<u>10</u>	PASS WITH CARE
<u>2</u>	G20-1 BARRICADES
<u>2</u>	G20-2 BARRICADES

REVISION		BY		DATE		MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
REVISION		BY		DATE		<p align="center"><b>DETAIL OF CONSTRUCTION SIGNING</b></p> <p>PROJ. NO.: <b>MP-1278-48(014)</b> COUNTY: <b>MONROE</b></p>	
DESIGN TEAM		CHECKED		DATE		<p>WORKING NUMBER CS-1</p> <p>SHEET NUMBER <b>5</b></p>	

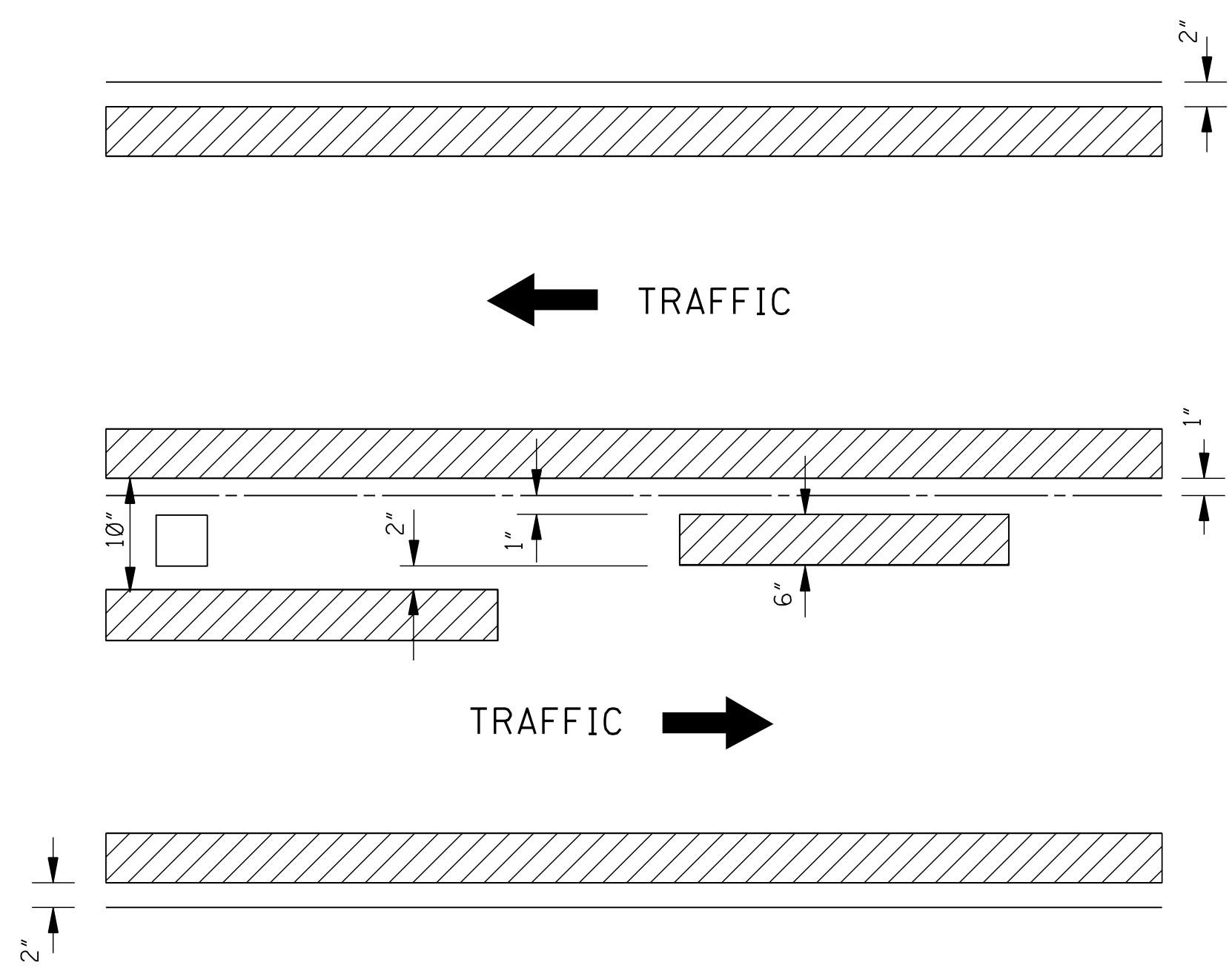
MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
 PLANNING DIVISION  
 ROADWAY DESIGN SECTION  
 001.00 AMPM DGNFILENAME  
 001.00 AMPM DGNFILENAME





**TWO-WAY TRAFFIC**  
(ASPHALT OR CONCRETE PAVEMENT)

NOTE: THE CRITERIA FOR NO-PASSING ZONES CAN BE FOUND IN THE MDT ROADWAY DESIGN MANUAL, SECTION 11-1.01.



**DETAIL "A"**

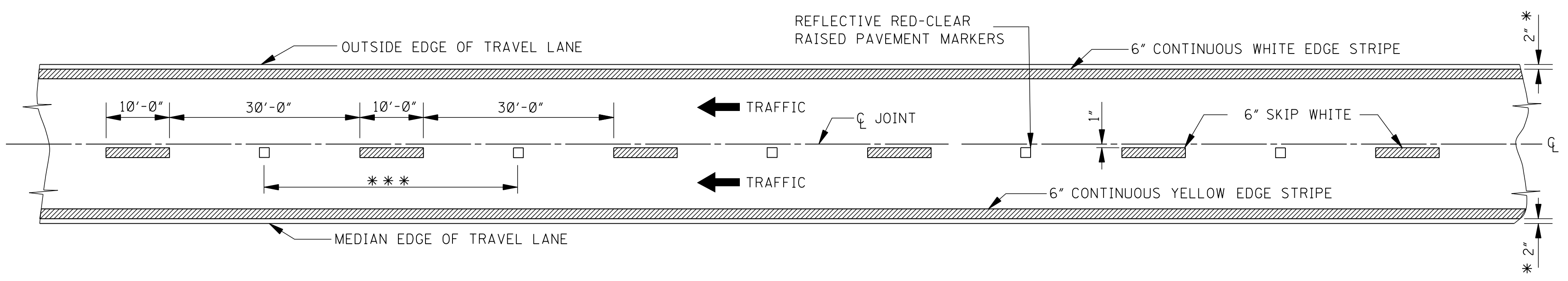
GENERAL NOTES:

- \* 1. 2" UNLESS SHOWN ELSEWHERE ON THE PLANS. FOR STRIPING ON RUMBLE STRIP SECTIONS REFER TO WK. SHEETS RS-1, RS-2, AND RS-3.
- \*\* 2. EDGE STRIPE SHALL BE SAME MATERIAL AS LANE-LINE STRIPE (PAINT OR PLASTIC AS INDICATED IN PAY ITEMS).
- \*\*\* 3. SPACING OF REFLECTIVE RAISED PAVEMENT MARKERS IS AS FOLLOWS:

	URBAN AREA (ft-in)	RURAL AREA (ft-in)
TANGENT SECTIONS	40'-0"	80'-0"
HORIZONTAL CURVES	40'-0"	40'-0"
INTERCHANGE LIMITS	40'-0"	+ 40'-0"

† NOTE: ON THE MAIN FACILITY, REFLECTIVE RED-CLEAR RAISED PAVEMENT MARKERS ON A 40'-0" SPACING WILL BE REQUIRED ON LANE-LINE(S) THROUGH ALL INTERCHANGE AREAS BEGINNING 1000' IN ADVANCE (IN DIRECTION OF TRAFFIC) OF THE EXIT RAMP TAPER AND CONTINUING THROUGH THE INTERCHANGE TO THE END OF THE ENTRANCE RAMP TAPER.

4. PAVEMENT MARKERS SHALL BE HIGH PERFORMANCE REFLECTIVE RAISED PAVEMENT MARKERS AS LISTED IN THE MDT "APPROVED SOURCES OF MATERIALS."



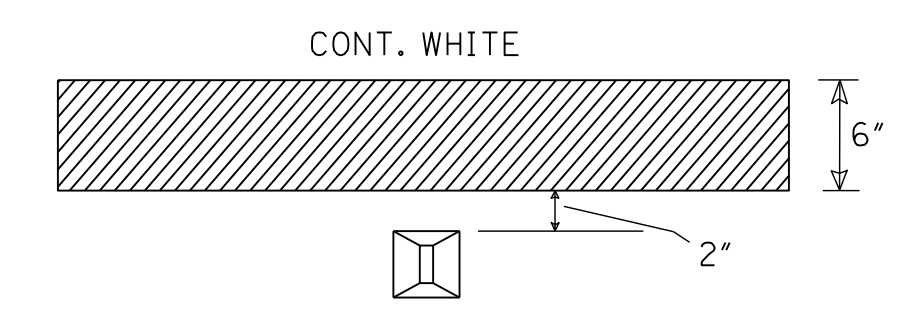
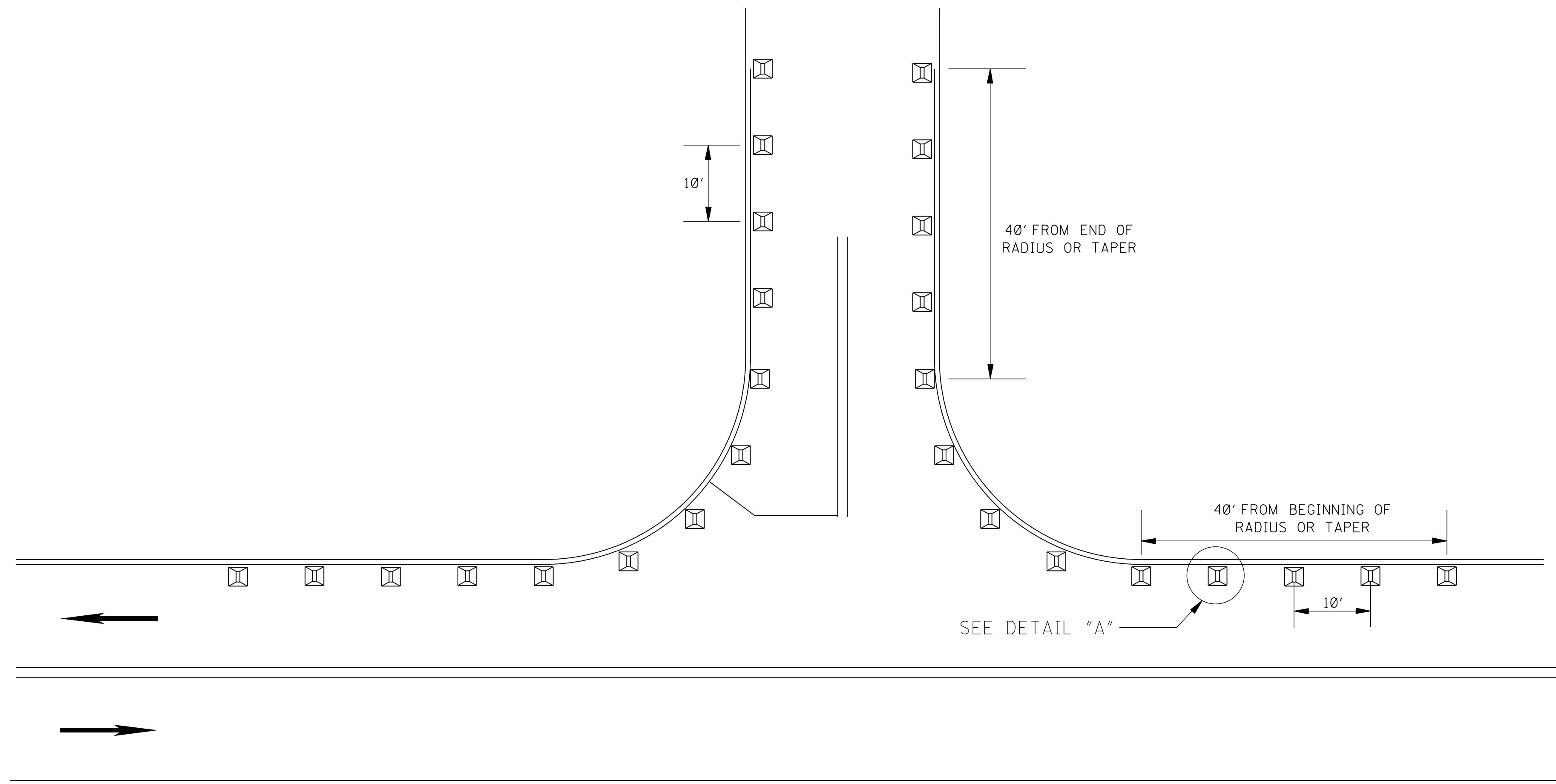
**4-LANE WITH ONE-WAY TRAFFIC**

BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN
REVISION	<b>PAVEMENT MARKING DETAILS FOR 2-LANE AND 4-LANE DIVIDED ROADWAYS</b>
DATE	ISSUE DATE: AUGUST 01, 2017



WORKING NUMBER  
PM-1  
SHEET NUMBER  
6051

TYPICAL PLACEMENT OF RAISED PAVEMENT MARKERS ON SIDE ROAD RADIUS  
2-LANE, TWO WAY TRAFFIC



DETAIL A

→ DIRECTION OF TRAFFIC

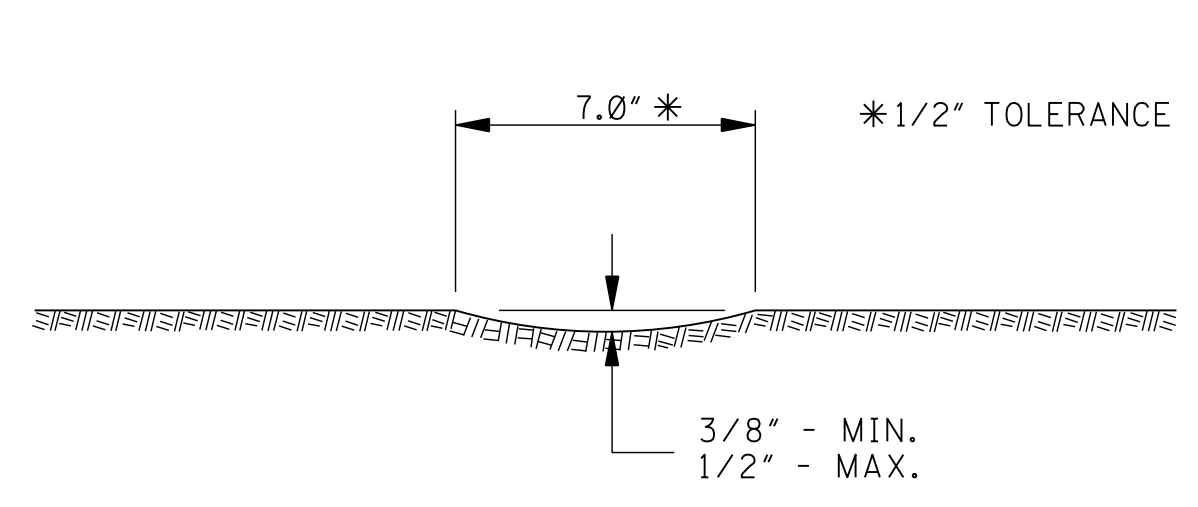
GENERAL NOTES:

1. MARKERS SHALL BE VISIBLE FROM THE TRAVELING MOTORIST ON STATE DESIGNATED HIGHWAYS.
2. MARKERS SHALL BE HIGH PERFORMANCE TWO-WAY CLEAR.
3. MARKERS SHALL NOT BE ROTATED WHEN BEING PLACED ALONG RADIUS AND TANGENT SECTION OF LOCAL ROAD.
4. MARKERS SHALL BE INSTALLED AT SIMPLE AND CHANNELIZED INTERSECTIONS TO THE LIMITS SHOWN ABOVE.

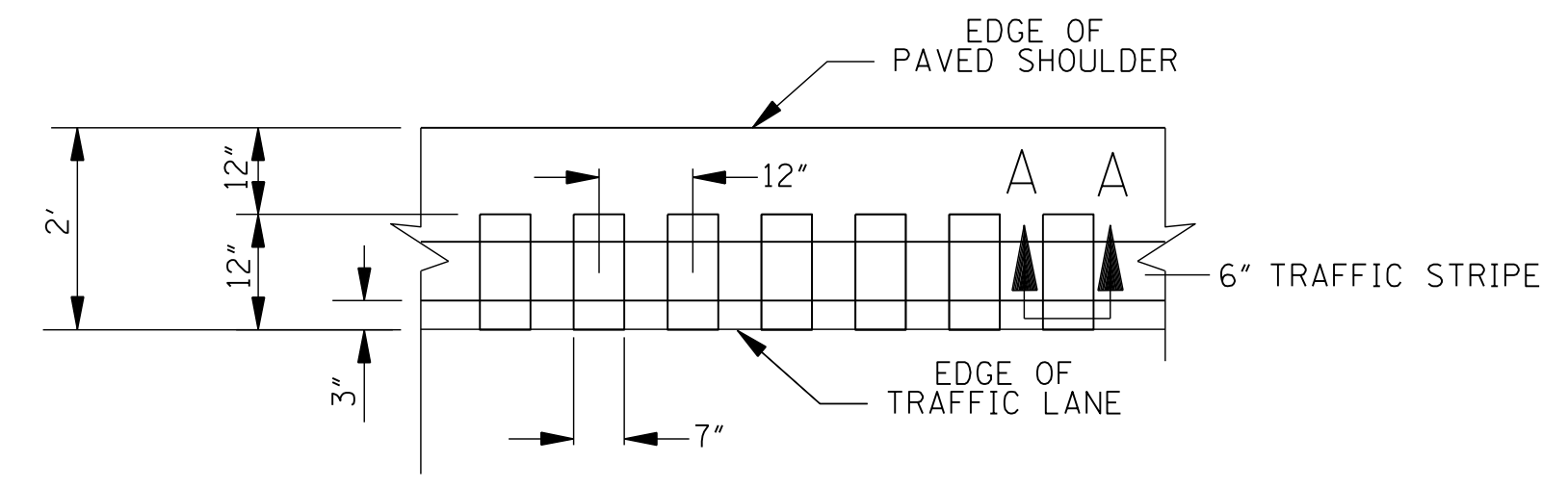
						BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN
						REVISION	<b>2-WAY RAISED PAVEMENT MARKERS AT INTERSECTING ROADS (2-LANE)</b>
						DATE	
							ISSUE DATE: AUGUST 01, 2017
							 WORKING NUMBER PM-11 SHEET NUMBER 6061

GENERAL NOTES

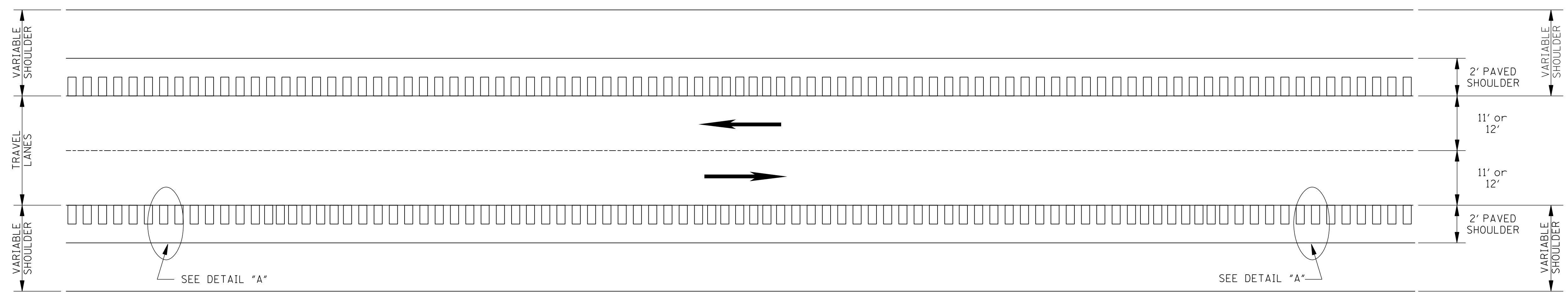
1. GROUND-IN RUMBLE STRIPES SHALL BE APPLIED ON LEFT AND RIGHT SHOULDERS OF ALL PAVED SHOULDERS ON THIS PROJECT
2. GROUND-IN RUMBLE STRIPES SHALL BE OMITTED ACROSS PUBLIC INTERSECTING ROADWAYS OR OTHER INTERRUPTIONS IN NORMAL SHOULDER WIDTH AS DIRECTED BY THE ENGINEER
3. COST TO BE PAID FOR USING APPROPRIATE PAY ITEMS
4. GROUND-IN RUMBLE STRIPES SHALL BE APPLIED TO:
  - A. MAINLINE
  - B. INTERSECTING ROADWAY IF OVERLAID OR RECONSTRUCTED BEYOND NORMAL MAINLINE R.O.W.
  - C. ANY ROADWAY WITH EXISTING RUMBLE STRIPES PRIOR TO CONSTRUCTION.
5. DO NOT USE WHERE TRAVEL LANE IS LESS THAN 11' WIDE.



SECTION "A-A"



DETAIL "A"



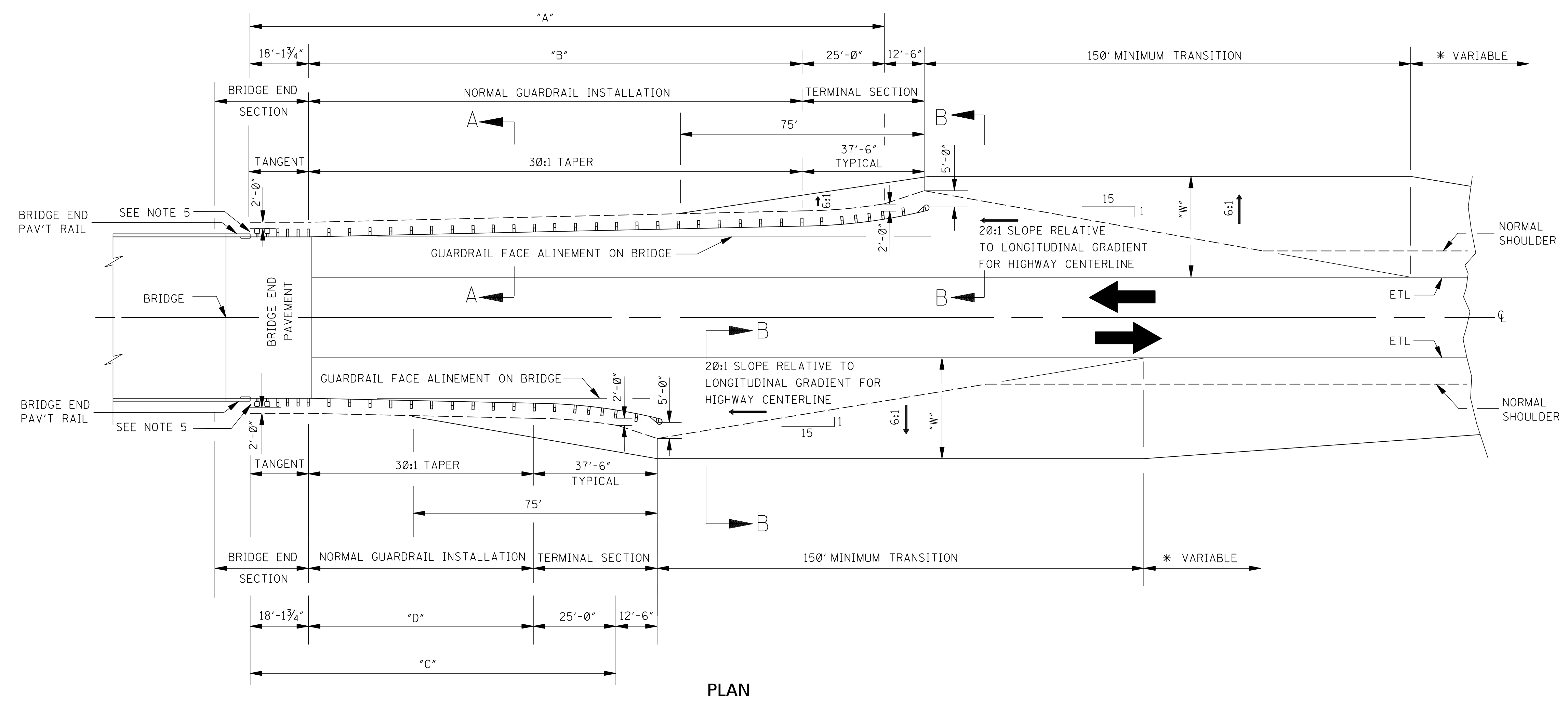
PLAN

NOT TO SCALE

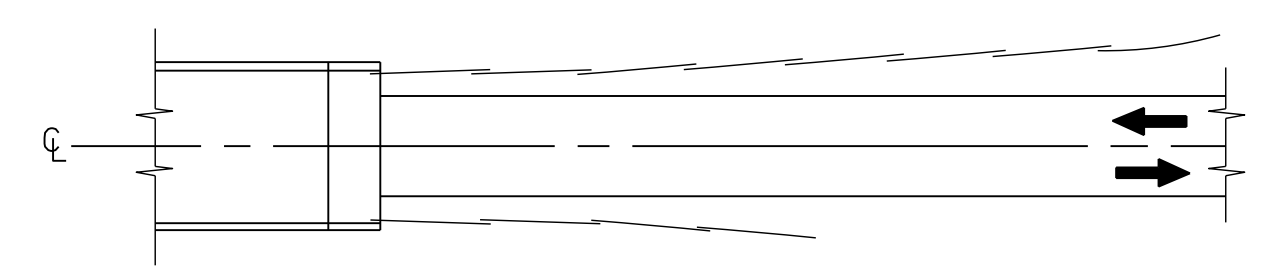
BY		MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN	
REVISION		<p><b>RUMBLE STRIPES 2-LANE HIGHWAYS (ASPHALT LANES, 2-FT ASPHALT SHOULDERS)</b></p> 	
DATE			
ISSUE DATE:		AUGUST 01, 2017	
WORKING NUMBER		RS-1	
SHEET NUMBER		6064	



\* NOTE: IF FORESLOPE, SHOWN ELSEWHERE ON PLANS, IS OTHER THAN 6:1, TRANSITION WILL OCCUR IN AREA SHOWN.



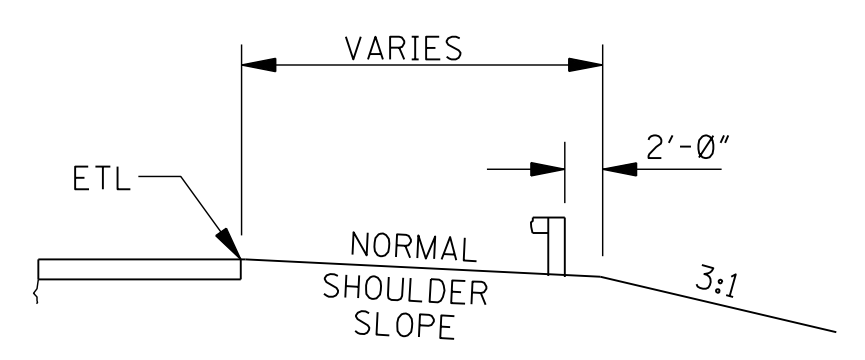
PLAN



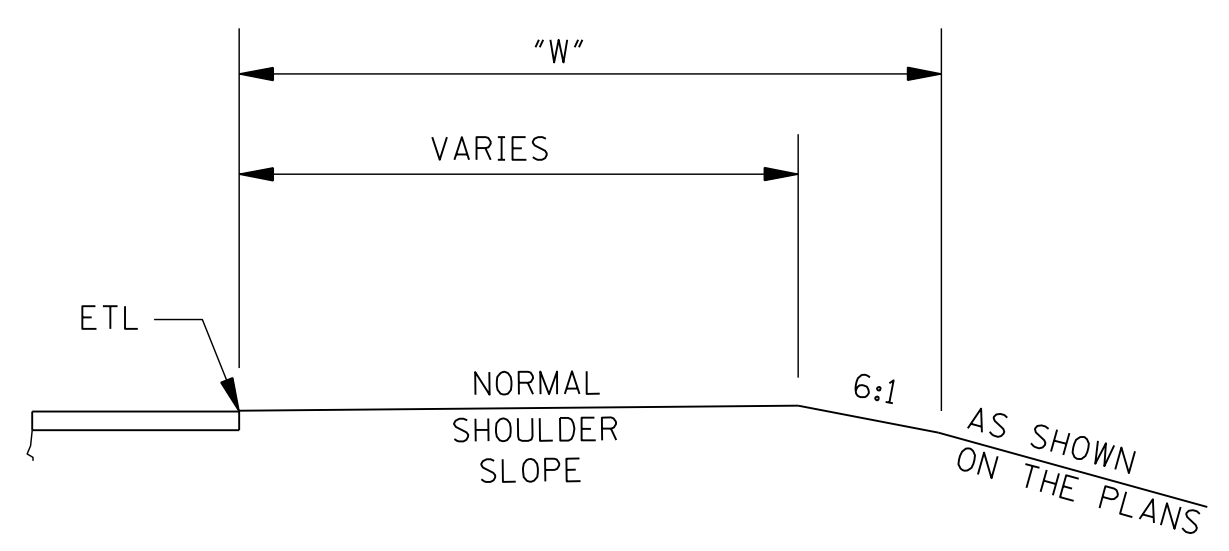
DETAIL OF GUARDRAIL SECTION LAPS

GENERAL NOTES:

- VALUES FOR "A", "B", "C" AND "D" WILL BE SHOWN ELSEWHERE ON THE PLANS.
- FOR DETAILS PERTINENT TO INSTALLATION OF THE TERMINAL SECTION, SEE MANUFACTURER'S SPECIFICATIONS AND DRAWINGS OR ELSEWHERE ON PLANS
- GUARDRAIL SECTIONS SHALL BE LAPPED IN THE DIRECTION OF TRAFFIC APPROACHING THE BRIDGE.
- THE OVERALL LENGTH OF GUARDRAIL IS MEASURED FROM THE CONNECTING END ON THE BRIDGE.
- IN THE ABSENCE OF A BRIDGE END PAVEMENT RAIL, CONNECT THE BRIDGE END SECTION TO THE BRIDGE RAIL (SEE WK. NOS. GR-2 THRU GR-2C). THE SHOULDER WIDTH AT THE BRIDGE END PAVEMENT RAIL OR BRIDGE END RAIL SHOULD BE SUFFICIENTLY WIDE TO PROVIDE A MINIMUM OF 2'-0" BEHIND THE BACK OF POST BEFORE THE SLOPE BREAK (HINGEPOINT).
- TYPE, DETAILS AND LIMITS OF GUARDRAIL BRIDGE END SECTION WILL BE SHOWN ELSEWHERE ON THE PLANS.
- W = SHOULDER WIDTH + FORESLOPE WIDTH. DIMENSIONS FOUND ELSEWHERE ON THE PLANS.



SECTION A-A

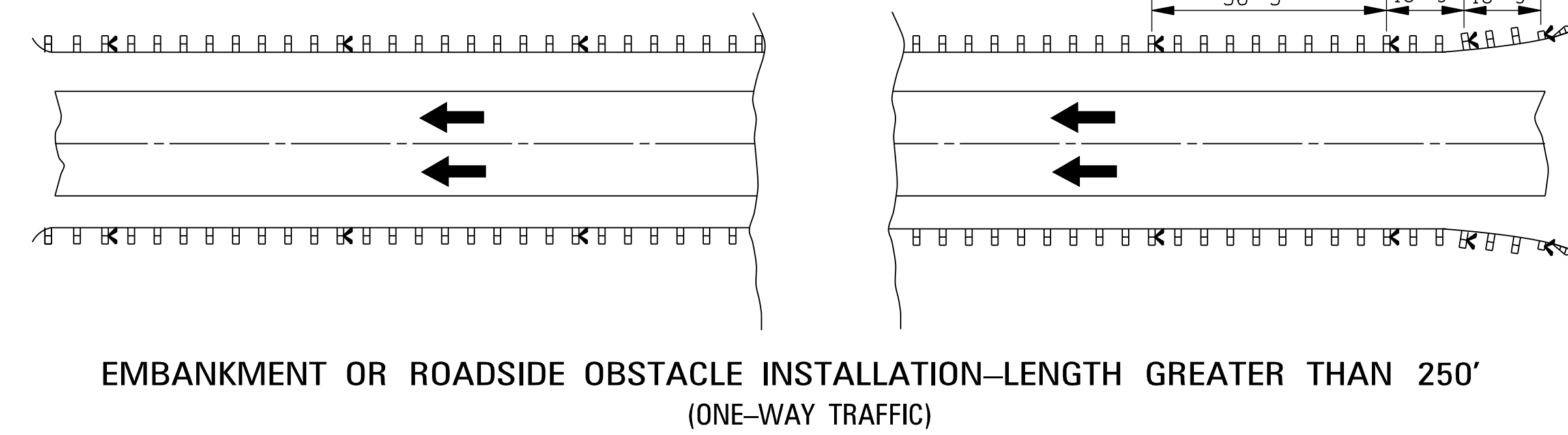
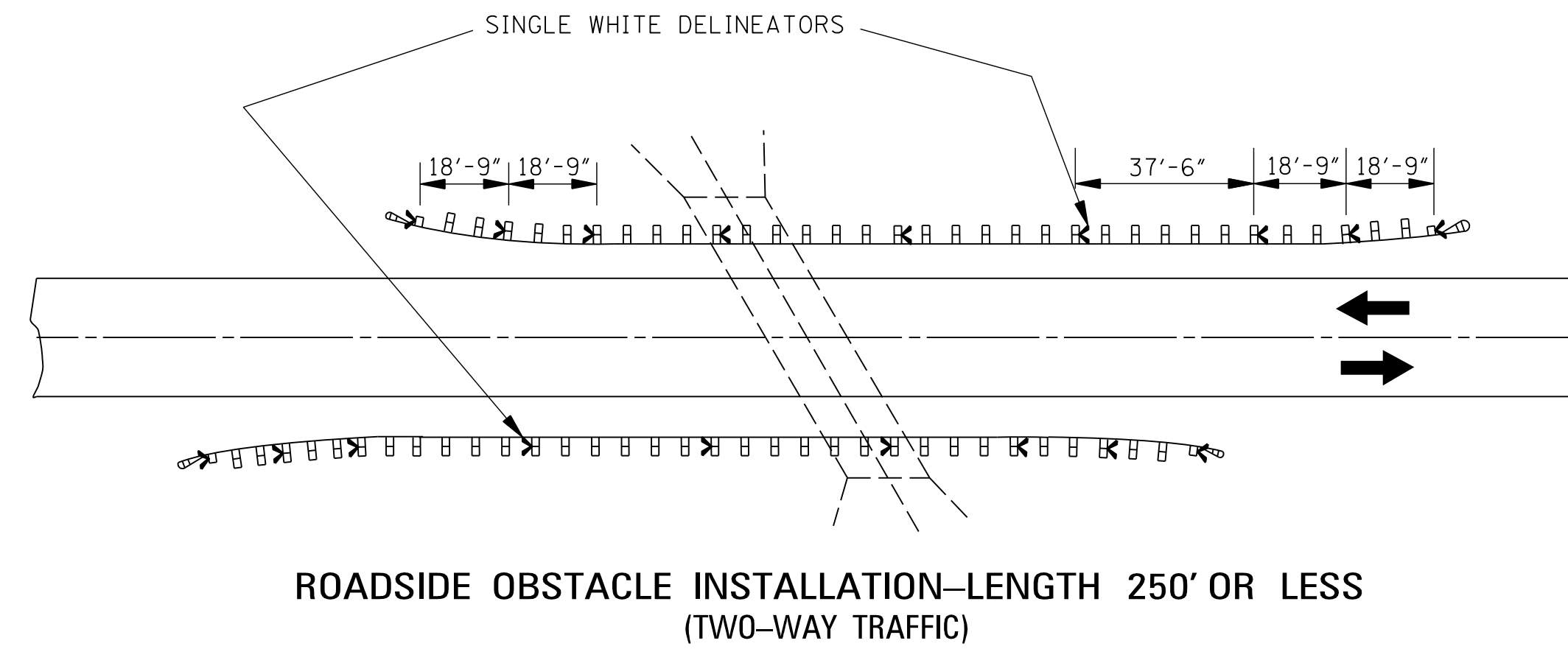
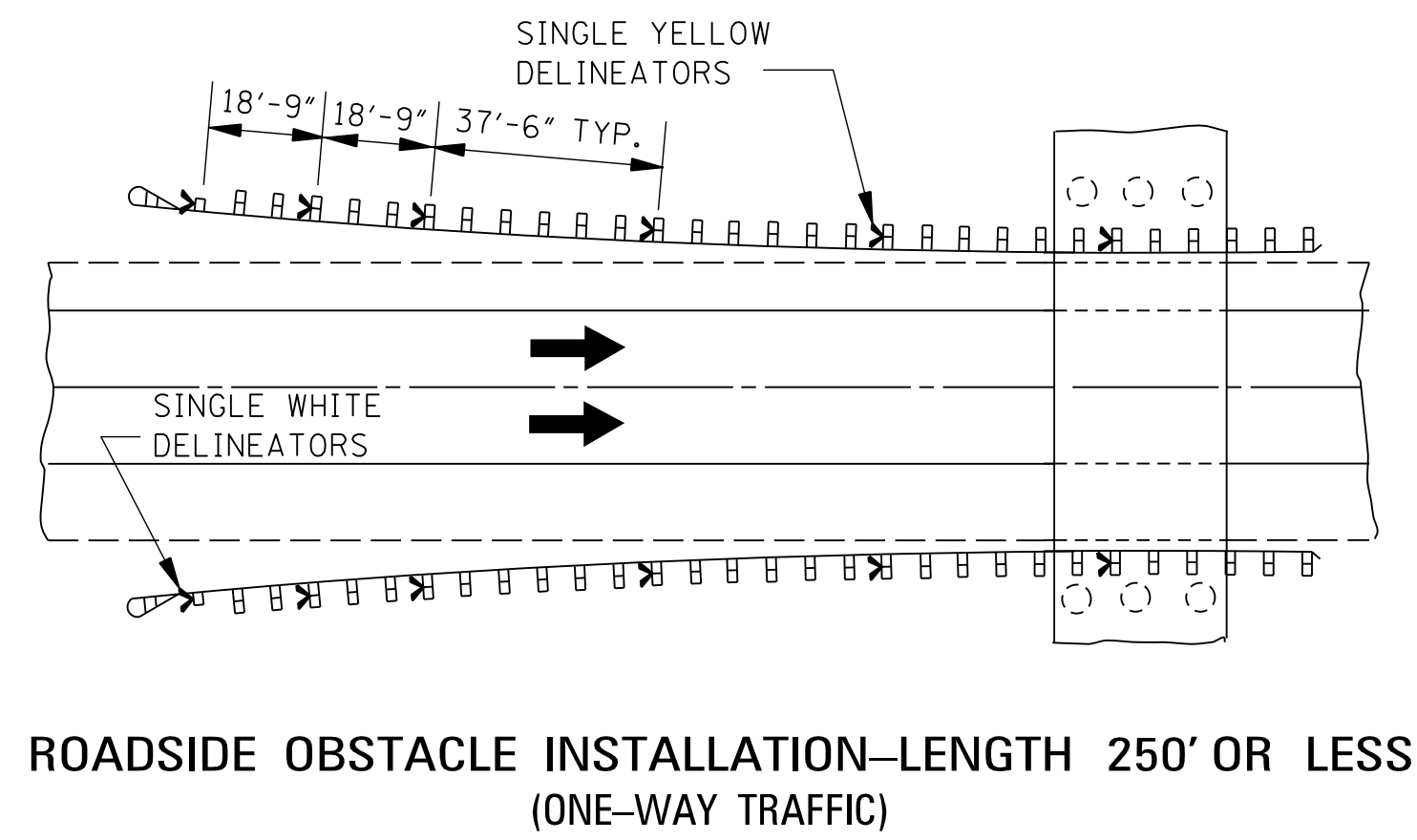
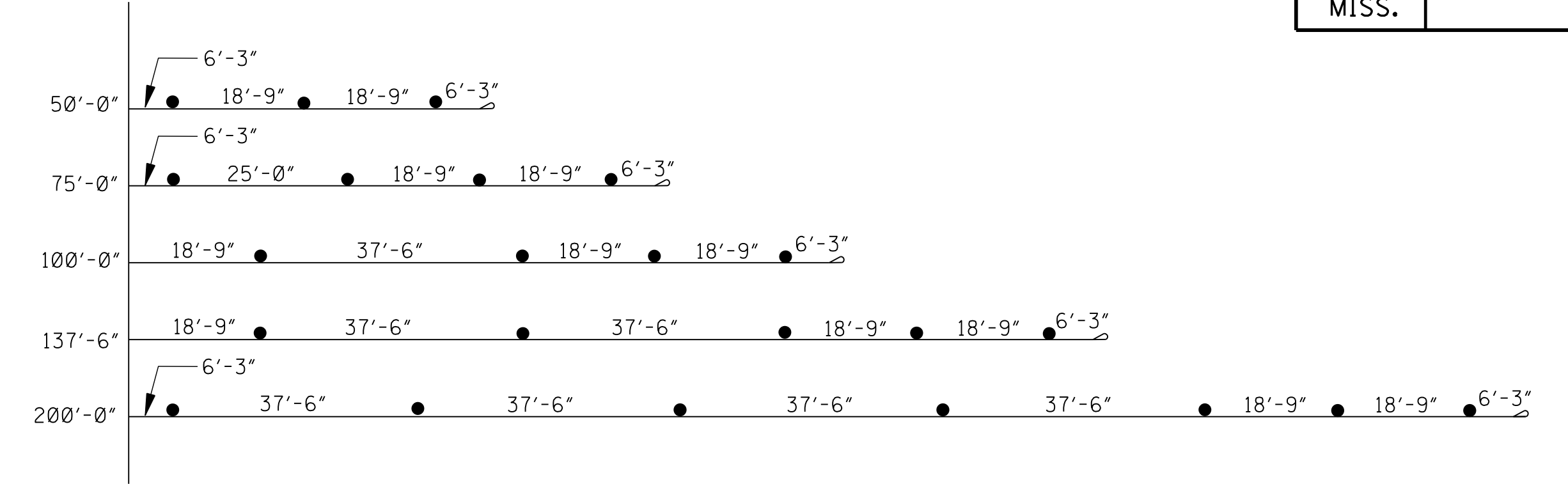
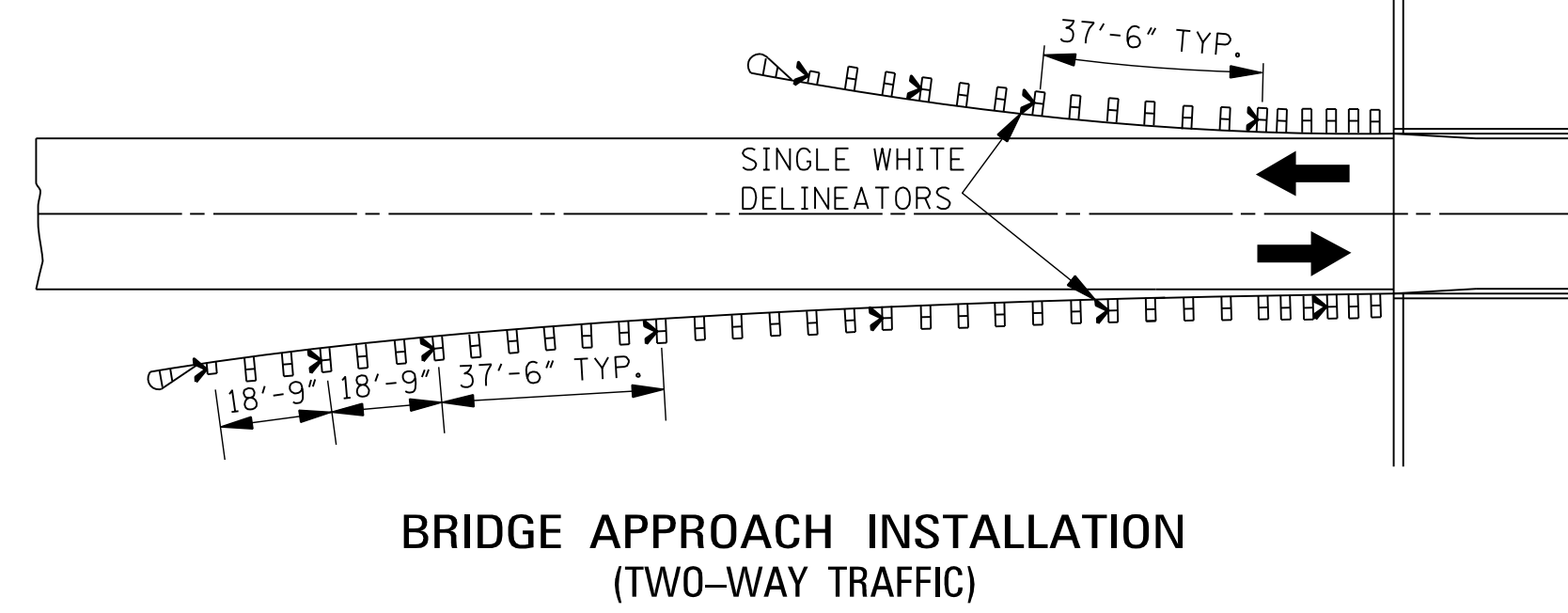
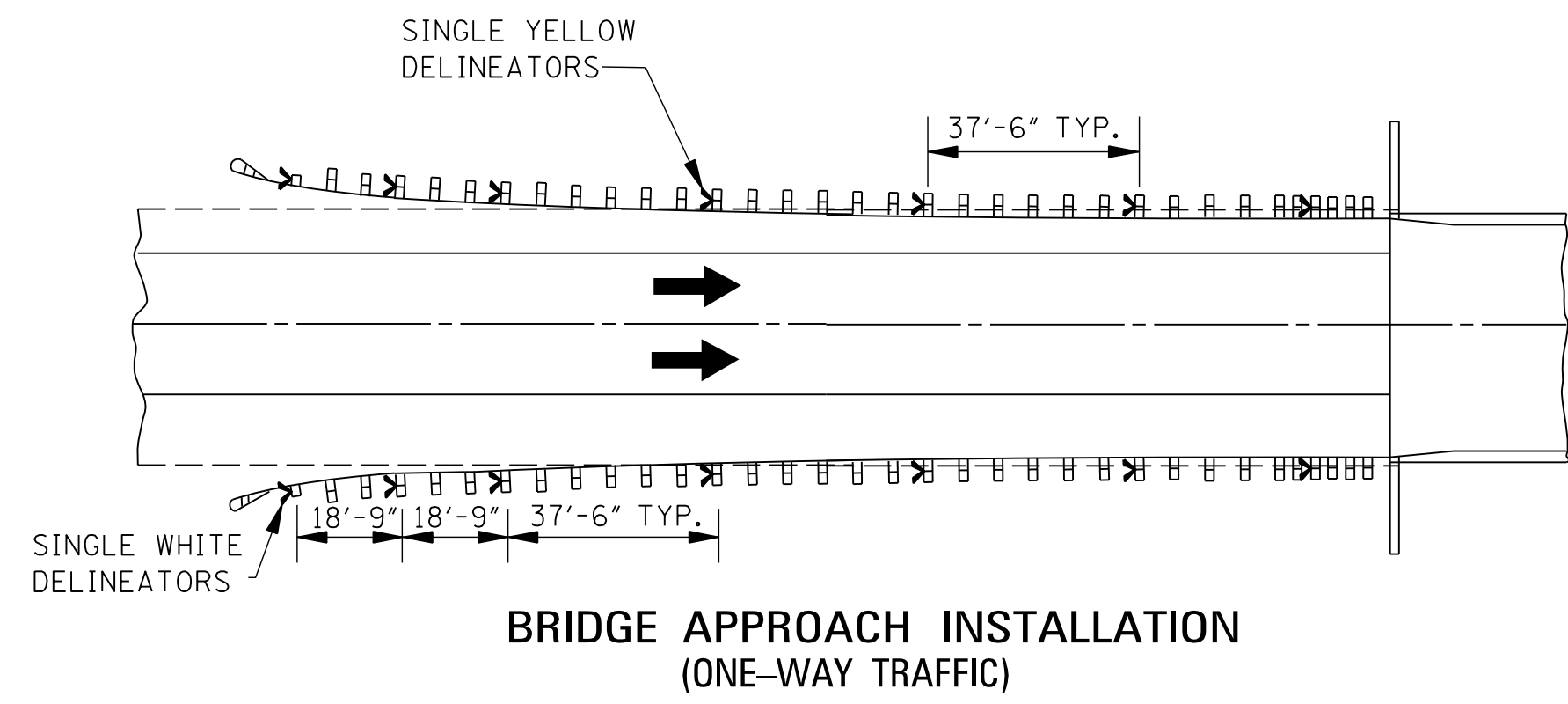


SECTION B-B

BY		MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN	
REVISION		<p align="center"><b>GUARDRAIL: TYPICAL INSTALLATION AT BRIDGE APPROACHES FOR 2-LANE, 2-WAY HIGHWAY</b></p>	
DATE			
ISSUE DATE:		AUGUST 01, 2017	



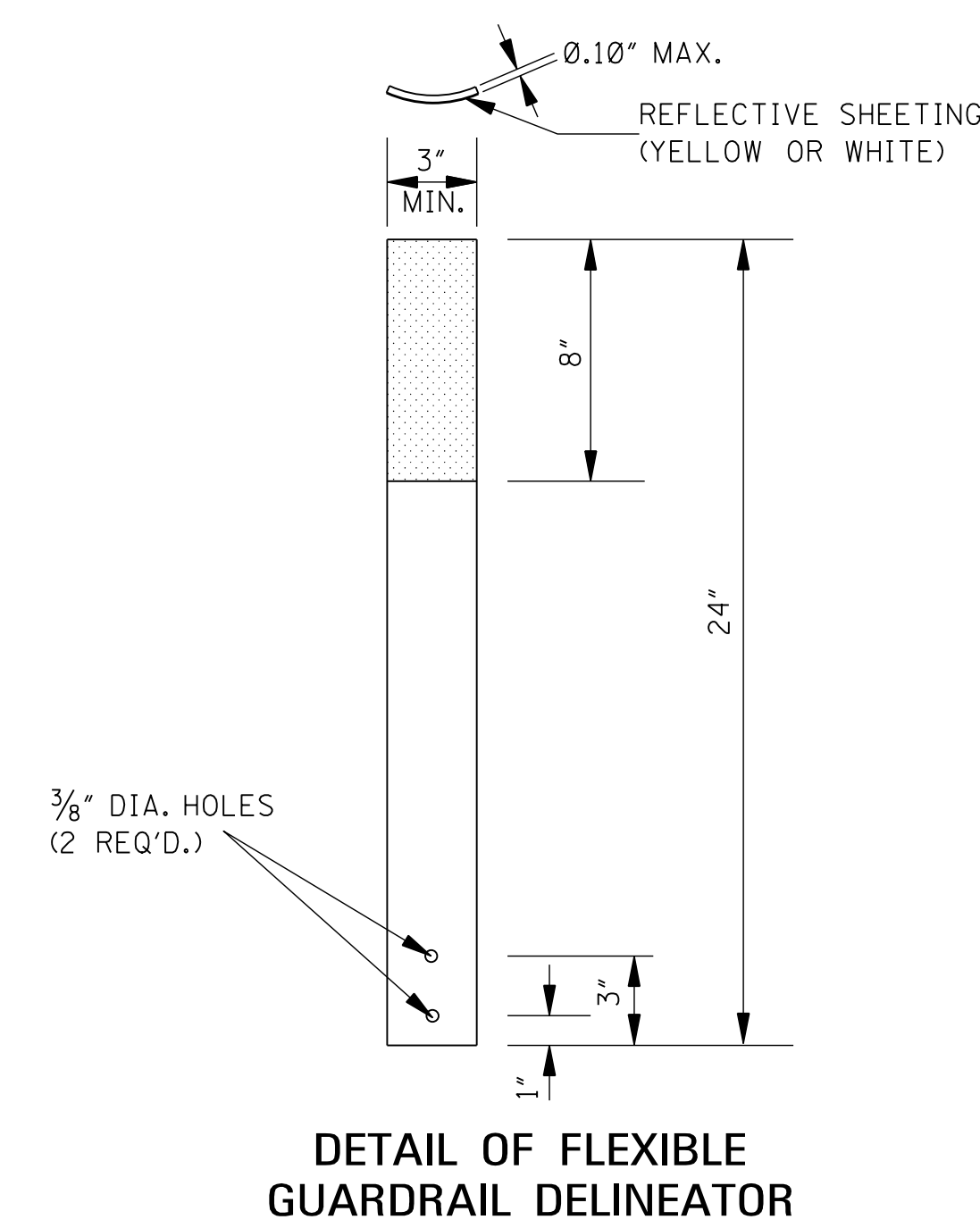
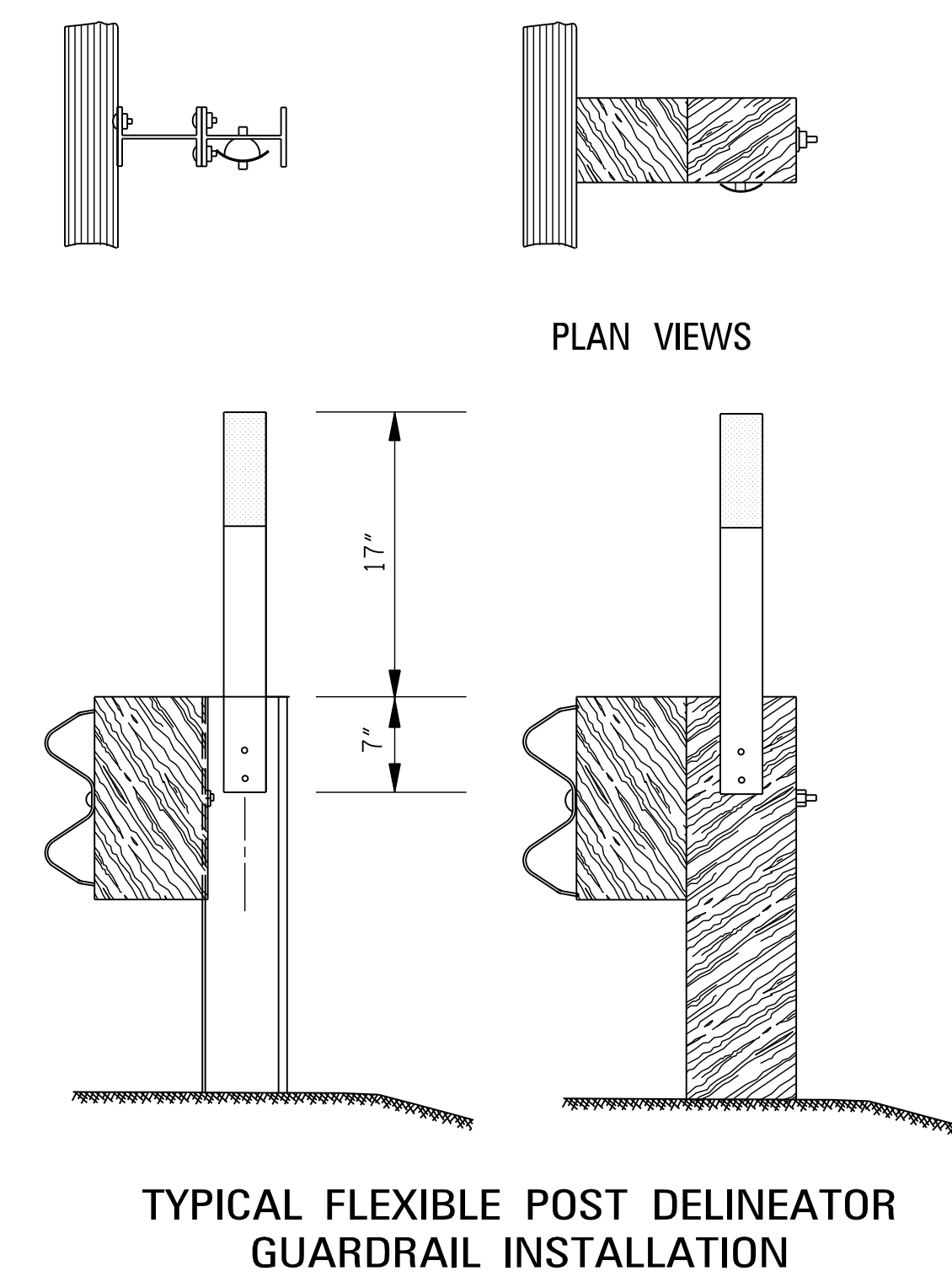
WORKING NUMBER  
GR-4A  
SHEET NUMBER  
6215



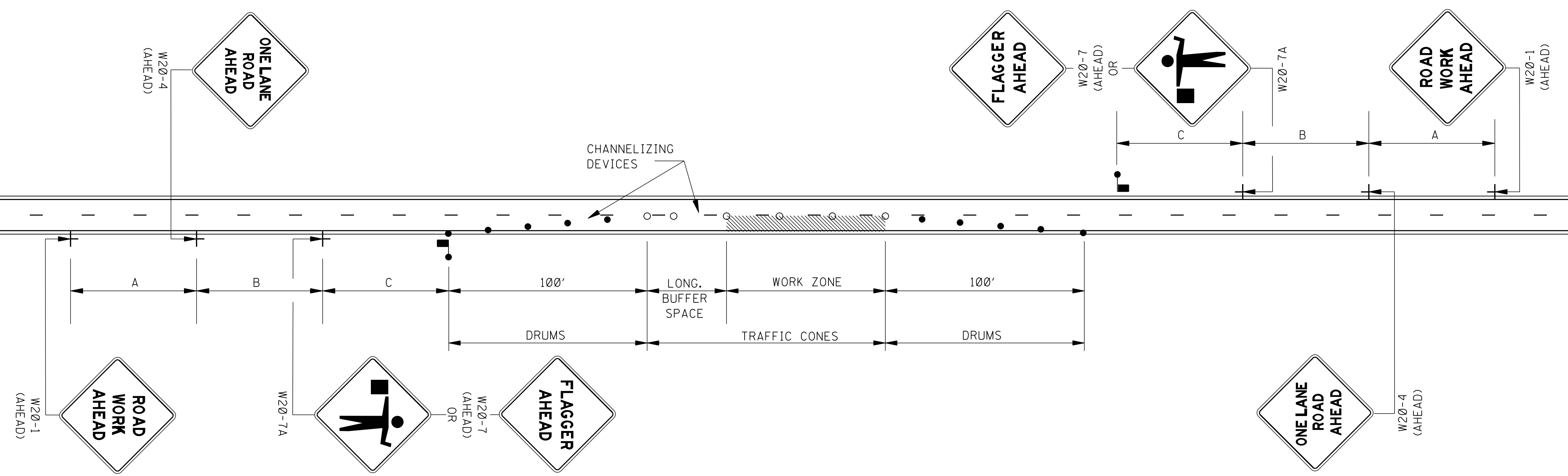
NOTE: ONE-WAY TRAFFIC SHOWN. DELINEATOR SPACING FOR TWO-WAY TRAFFIC SIMILAR. DELINEATOR COLOR WILL BE THE SAME AS THE ADJACENT PAVEMENT EDGE MARKING. THE FIRST THREE (3) MARKERS WILL FACE TRAFFIC IN OFF LANE FOR TWO-WAY TRAFFIC AS SHOWN IN DRAWING FOR OBSTACLE INSTALLATION FOR TWO-WAY TRAFFIC.

**GENERAL NOTES:**

1. THE UNIT PRICE OF DELINEATOR INCLUDES: COST(S) OF DELINEATOR FACE(S), POST, HARDWARE AND INSTALLATION.
2. DELINEATOR FACE WILL BE ENCAPSULATED LENS REFLECTIVE SHEETING.
3. DELINEATORS FOR GUARDRAIL SHALL BE MOUNTED ON FLEXIBLE POSTS AS FOLLOWS:  
THE DELINEATOR POSTS WILL BE FROM THE DEPARTMENTS "APPROVED SOURCE OF MATERIALS" AND WILL BE FASTENED TO GUARDRAIL POST IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION.



BY		MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN	
REVISION		<b>TYPICAL GUARDRAIL DELINEATION</b>	
DATE		ISSUE DATE: AUGUST 01, 2017	
		 WORKING NUMBER SN-8C SHEET NUMBER 6317	



GENERAL NOTES:

1. THE LOCATION OF CHANNELIZING DEVICES AND THE WORK AREA LAYOUT SHALL BE BASED ON THE CRITERIA IN THE FOLLOWING TABLE. FLAGGER STATIONS SHALL BE LOCATED SUCH THAT APPROACHING VEHICLES WILL HAVE SUFFICIENT DISTANCE TO STOP. VALUES IN STOPPING SIGHT DISTANCE COLUMN MAY BE USED AS A MINIMUM FOR THIS DISTANCE.

POSTED SPEED AND/OR DESIGN SPEED mph	MAXIMUM CHANNELIZING DEVICE SPACING (ft)		LONGITUDINAL BUFFER SPACE (ft) †	STOPPING SIGHT DISTANCE
	TAPER	ALONG LANE LINE & WORK ZONE		
25	20	50	55	155
30	20	60	85	200
35	20	70	120	250
40	20	80	170	305
45	20	90	220	360
50	20	100	280	425
55	20	110	335	495
60	20	120	415	570
65	20	130	485	645


† NOTE: BUFFER SPACE MAY BE ADJUSTED AS NEEDED ACCORDING TO ROADWAY GEOMETRY TO MEET SIGHT DISTANCE REQUIREMENTS, AS DIRECTED BY THE ENGINEER.

- ALL CHANNELIZING DEVICES SHALL BE A MINIMUM OF 28" IN HEIGHT.
- DIAMOND SHAPED TRAFFIC CONTROL SIGNS SHALL BE A MINIMUM OF 36" x 36" AND BLACK COPY ON FLUORESCENT ORANGE SHEETING.
- WHEN WORK ZONE IS NO LONGER NEEDED, ALL SIGNS SHALL BE COVERED OR REMOVED AND ALL CHANNELIZING DEVICES SHALL BE MOVED TO THE SHOULDER EDGE.
- ADDITIONAL FLAGGERS MAY BE NEEDED AS DIRECTED BY THE ENGINEER.
- WHEN WORK IS REQUIRED AT NIGHT, FLAGGER STATIONS SHALL BE ILLUMINATED.
- CHANNELIZING DEVICE TYPES FOR:  
A. APPROACH AND EXIT TAPERS- RETROREFLECTIVE PLASTIC DRUMS  
B. ALONG LANE LINE AND WORK ZONE- TRAFFIC CONES (28" HEIGHT)
- ALL TRAFFIC CONTROL ITEMS SHOWN ON THIS SHEET WILL NOT BE MEASURED FOR SEPARATE PAYMENT. THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR MAINTENANCE OF TRAFFIC.

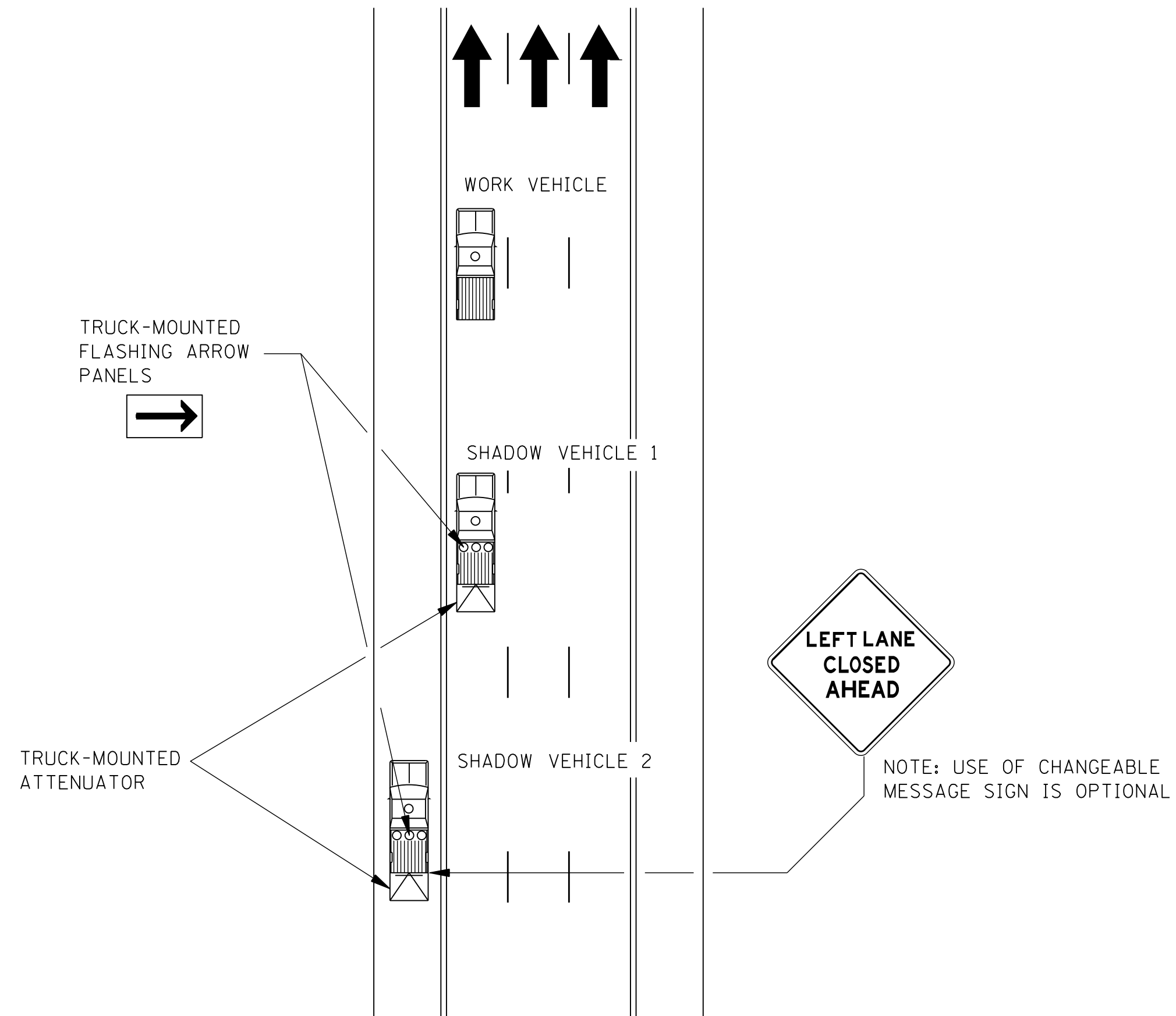
LEGEND

- FLAGGER
- RETROREFLECTIVE FREE-STANDING PLASTIC DRUMS
- TRAFFIC CONES (28" HEIGHT MINIMUM)

ROAD TYPE	A	B	C
URBAN (35 MPH OR LESS)	100 FT.	100 FT.	100 FT.
URBAN (40 - 70 MPH)	350 FT.	350 FT.	350 FT.
RURAL	500 FT.	500 FT.	500 FT.
EXPRESSWAY / FREEWAY	1000 FT.	1500 FT.	2640 FT.

BY		MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN	
REVISION		<p align="center"><b>TRAFFIC CONTROL PLAN WITH FLAGGER (ONE-LANE CLOSURE OF TWO-WAY TRAFFIC)</b></p> 	
DATE			
ISSUE DATE:		AUGUST 01, 2017	
WORKING NUMBER		TCP-1	
SHEET NUMBER		6351	

### MOBILE OPERATIONS ON MULTILANE ROAD

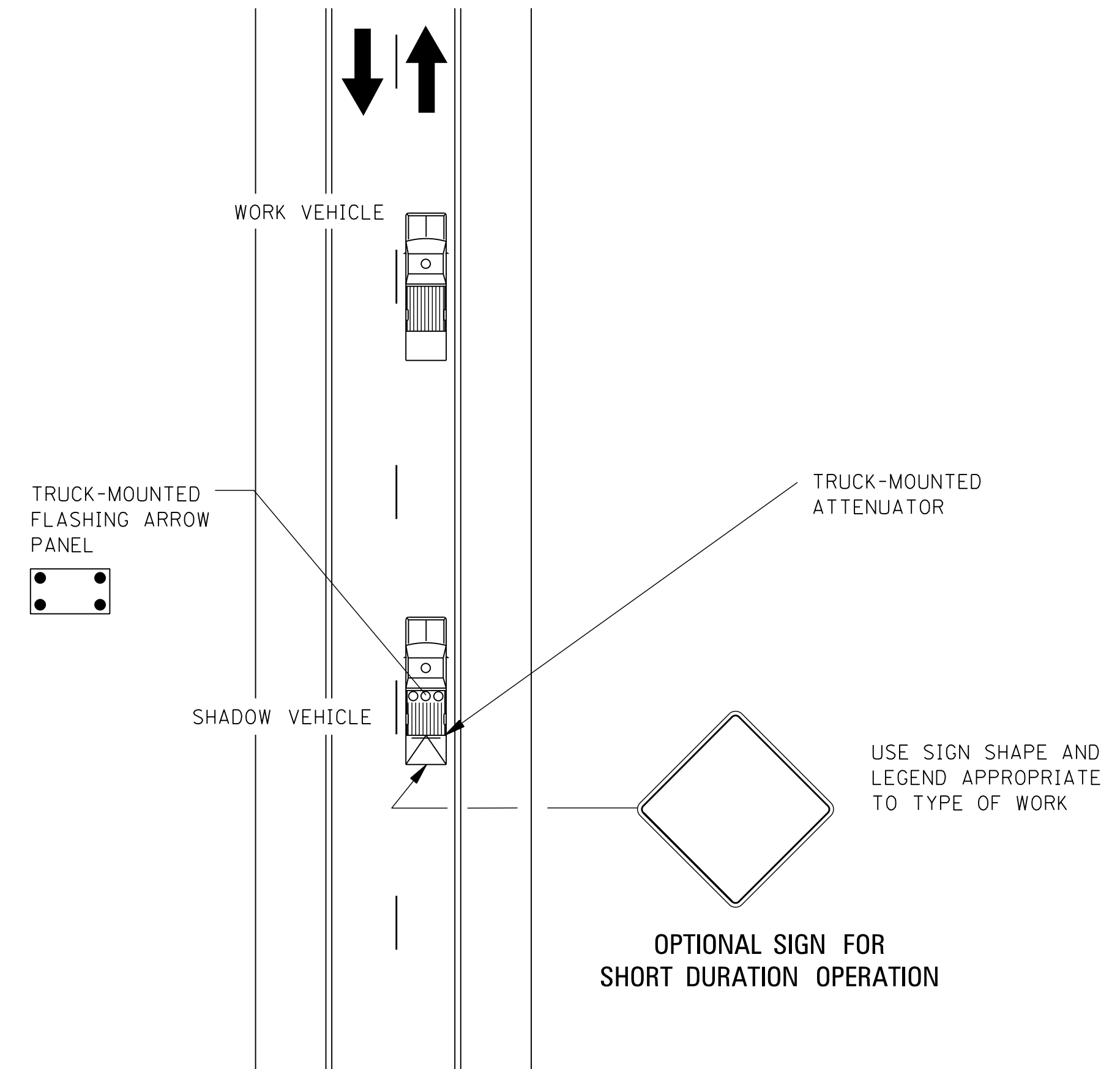


### MOBILE OPERATIONS ON MULTILANE ROAD

NOTES FOR MULTILANE LANE OPERATION:

1. VEHICLES USED FOR THESE OPERATIONS SHOULD BE MADE HIGHLY VISIBLE WITH APPROPRIATE EQUIPMENT, SUCH AS FLASHING LIGHTS, ROTATING BEACONS, FLAGS, SIGNS, OR ARROW PANELS.
2. SHADOW VEHICLE 2 SHOULD BE EQUIPPED WITH AN ARROW PANEL AND TRUCK MOUNTED ATTENUATOR (TMA). AN APPROPRIATE LANE CLOSURE SIGN SHOULD BE PLACED ON SHADOW VEHICLE 2 SO AS NOT TO OBSCURE THE ARROW PANEL.
3. SHADOW VEHICLE 1 SHOULD BE EQUIPPED WITH AN ARROW PANEL AND TRUCK-MOUNTED ATTENUATOR (TMA).
4. SHADOW VEHICLE 2 SHOULD TRAVEL AT A VARYING DISTANCE FROM THE WORK OPERATION SO AS TO PROVIDE ADEQUATE SIGHT DISTANCE FOR TRAFFIC APPROACHING FROM THE REAR.
5. WHEN ADEQUATE SHOULDER WIDTH IS NOT AVAILABLE, SHADOW VEHICLE 2 SHOULD BE ELIMINATED.
6. ON HIGH-SPEED ROADWAYS, A THIRD SHADOW VEHICLE SHOULD BE USED (i.e., VEHICLE 3 ON THE SHOULDER (IF PRACTICAL), VEHICLE 2 IN THE CLOSED LANE, AND VEHICLE 1 IN THE CLOSED LANE).
7. ARROW PANELS SHALL BE AS A MINIMUM TYPE B, 60" X 30" IN ACCORDANCE WITH THE CRITERIA PRESENTED IN THE MUTCD.
8. WORK SHOULD NORMALLY BE DONE DURING OFF-PEAK HOURS.
9. VEHICLE-MOUNTED SIGNS SHOULD BE MOUNTED WITH THE BOTTOM OF THE SIGN LOCATED AT A MINIMUM HEIGHT OF 48" ABOVE THE PAVEMENT AND SHALL NOT BE OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGENDS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.
10. ALL TRAFFIC CONTROL ITEMS SHOWN ON THIS SHEET WILL NOT BE MEASURED FOR SEPARATE PAYMENT. THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR MAINTENANCE OF TRAFFIC.

### MOBILE OPERATIONS ON TWO-LANE ROAD

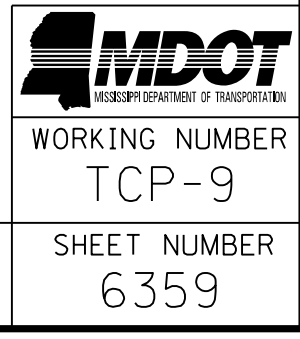


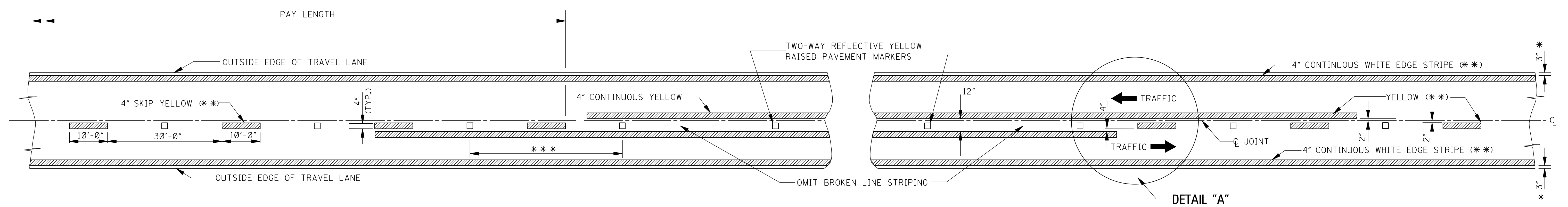
### MOBILE OPERATIONS ON TWO-LANE ROAD

NOTES FOR TWO-LANE OPERATION:

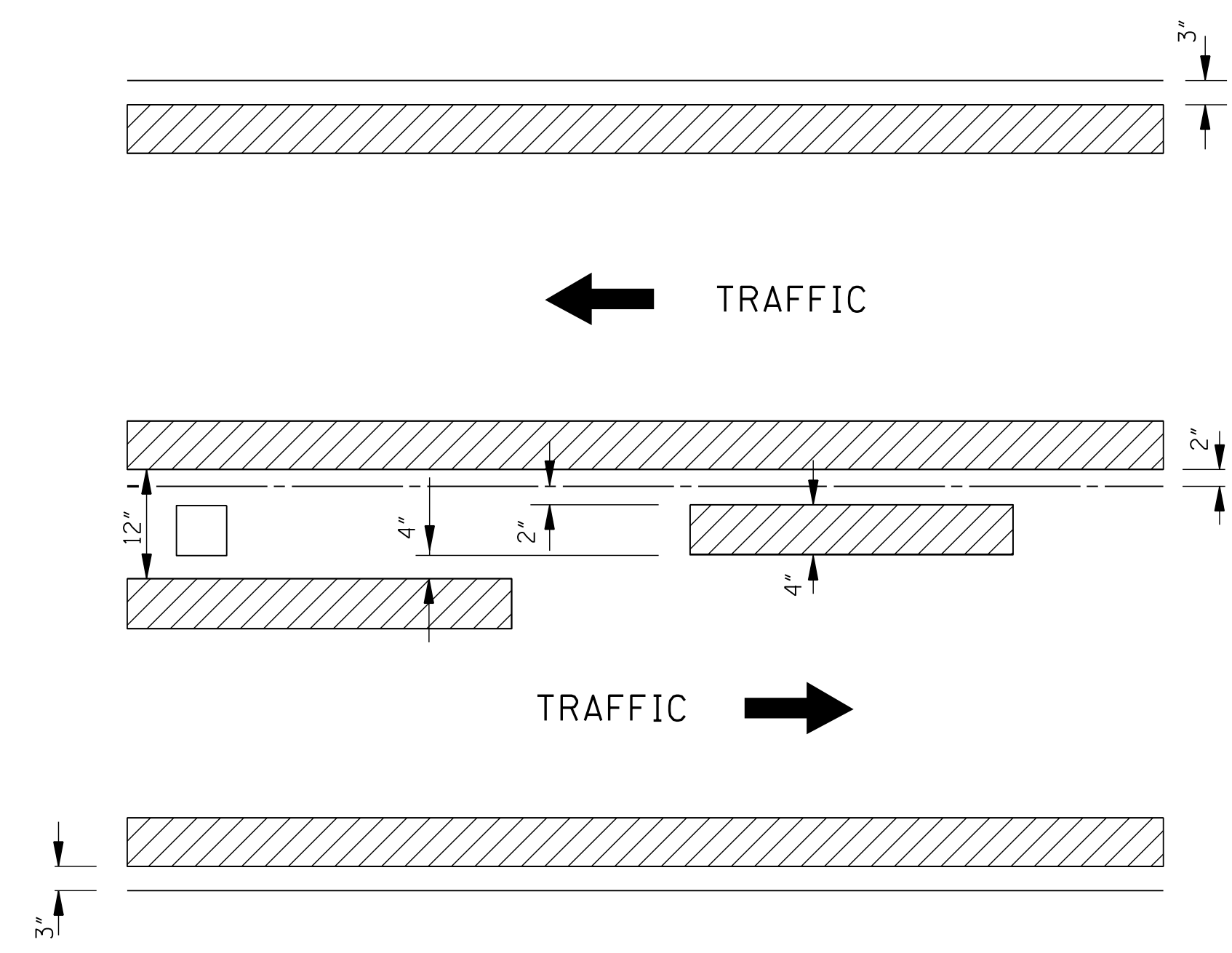
1. WHERE PRACTICAL AND WHEN NEEDED, THE WORK AND SHADOW VEHICLES SHOULD PULL OVER PERIODICALLY TO ALLOW TRAFFIC TO PASS. IF THIS CAN NOT BE DONE FREQUENTLY, AS AN ALTERNATIVE, A "DO NOT PASS" SIGN MAY BE PLACED ON THE REAR OF THE VEHICLE BLOCKING THE LANE.
2. THE DISTANCE BETWEEN THE WORK AND SHADOW VEHICLES MAY VARY ACCORDING TO TERRAIN, PAINT DRYING TIME, AND OTHER FACTORS. SHADOW VEHICLES ARE USED TO WARN TRAFFIC OF THE OPERATION AHEAD. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE REAR, THE SHADOW VEHICLE SHOULD MAINTAIN THE MINIMUM DISTANCE AND PROCEED AT THE SAME SPEED AS THE WORK VEHICLE. THE SHADOW VEHICLE SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.
3. ADDITIONAL SHADOW VEHICLES TO WARN AND REDUCE THE SPEED OF ONCOMING OR OPPOSING TRAFFIC MAY BE USED. POLICE PATROL CARS MAY BE USED FOR THIS PURPOSE.
4. A TRUCK-MOUNTED ATTENUATOR (TMA) SHOULD BE USED ON THE SHADOW VEHICLE AND MAY BE USED ON THE WORK VEHICLE.
5. THE WORK VEHICLE SHALL BE EQUIPPED WITH BEACONS, AND THE SHADOW VEHICLES SHALL BE EQUIPPED WITH TWO HIGH-INTENSITY FLASHING LIGHTS MOUNTED ON THE REAR, ADJACENT TO THE SIGN. SHADOW AND WORK VEHICLES SHALL DISPLAY FLASHING OR ROTATING BEACONS BOTH FORWARD AND TO THE REAR.
6. VEHICLE-MOUNTED SIGNS SHOULD BE MOUNTED WITH THE BOTTOM OF THE SIGN LOCATED AT A MINIMUM HEIGHT OF 48" ABOVE THE PAVEMENT AND SHALL NOT BE OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGENDS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.
7. ARROW BOARD TO BE USED IN CAUTION MODE.
8. ALL TRAFFIC CONTROL ITEMS SHOWN ON THIS SHEET WILL NOT BE MEASURED FOR SEPARATE PAYMENT. THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR MAINTENANCE OF TRAFFIC.

BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN		
REVISION	<p><b>TRAFFIC CONTROL PLAN</b>  <b>MOBILE OPERATIONS</b>  <b>MULTILANE ROADS</b>  <b>AND</b>  <b>TWO-LANE ROADS</b></p>		
DATE	ISSUE DATE:	AUGUST 01, 2017	
		WORKING NUMBER	TCP-9
		SHEET NUMBER	6359





**TWO-WAY TRAFFIC**  
(ASPHALT OR CONCRETE PAVEMENT)



**DETAIL "A"**

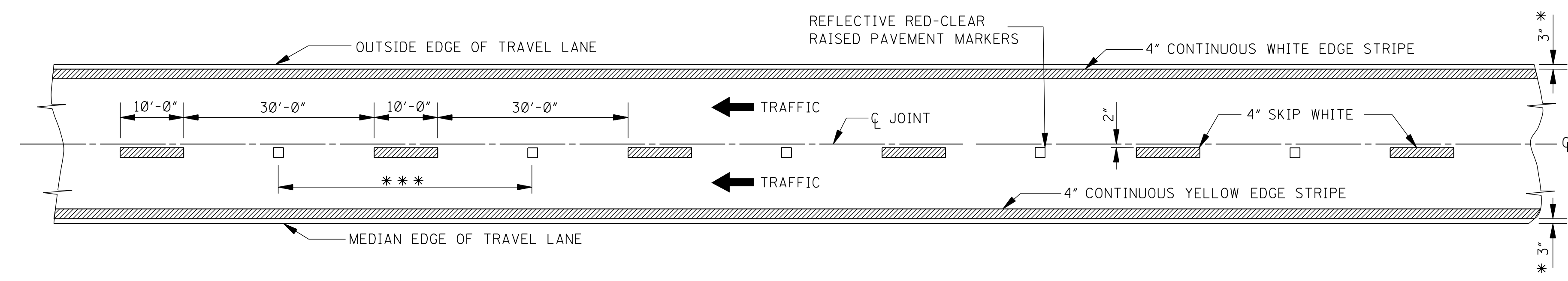
**GENERAL NOTES:**

- \* 1. 3" UNLESS SHOWN ELSEWHERE ON THE PLANS.
- \*\* 2. EDGE STRIPE SHALL BE SAME MATERIAL AS LANE-LINE STRIPE (PAINT OR TAPE AS INDICATED IN PAY ITEMS).
- 3. REFLECTIVE RAISED PAVEMENT MARKERS TO BE USED IF TEMPORARY MARKINGS ARE TO REMAIN IN PLACE OVER 3 MONTHS
- \*\*\* 4. SPACING OF REFLECTIVE RAISED PAVEMENT MARKERS IS AS FOLLOWS:

	URBAN AREA (ft-in)	RURAL AREA (ft-in)
TANGENT SECTIONS	40'-0"	80'-0"
HORIZONTAL CURVES	40'-0"	40'-0"
INTERCHANGE LIMITS	40'-0"	+ 40'-0"

† NOTE: ON THE MAIN FACILITY, REFLECTIVE RED-CLEAR RAISED PAVEMENT MARKERS ON A 40'-0" SPACING WILL BE REQUIRED ON LANE-LINE(S) THROUGH ALL INTERCHANGE AREAS BEGINNING 100' IN ADVANCE (IN DIRECTION OF TRAFFIC) OF THE EXIT RAMP TAPER AND CONTINUING THROUGH THE INTERCHANGE TO THE END OF THE ENTRANCE RAMP TAPER.

5. PAVEMENT MARKERS SHALL BE HIGH PERFORMANCE REFLECTIVE RAISED PAVEMENT MARKERS AS LISTED IN THE MDT "APPROVED SOURCES OF MATERIALS."



**4-LANE WITH ONE-WAY TRAFFIC**

BY	MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN
REVISION	<b>TEMPORARY STRIPING FOR TRAFFIC CONTROL 2-LANE AND 4-LANE DIVIDED HIGHWAYS</b>
DATE	ISSUE DATE: AUGUST 01, 2017



WORKING NUMBER  
TCP-13  
SHEET NUMBER  
6363