



# PROPOSAL AND CONTRACT DOCUMENTS

## FOR THE CONSTRUCTION OF

17

Mill & Overlay approximately 1 mile of SR 13 through the Town of Lena, approximately 1 mile of SR 500 from SR 13 to Lena Town Limits, approximately 1 mile of SR 487 from SR 13 to Lena Town Limits, known as State Project Nos. MP-5013-40(006) / 306659301, MP-5500-40(003) / 306659302, & MP-5487-40(015) / 306659303 in Leake County.

Project Completion: 43 Working Days

**(STATE DELEGATED)**

### NOTICE

**BIDDERS MUST COMPLETE AN ONLINE REQUEST FOR PERMISSION TO BID THIS PROJECT.**

Electronic addendum updates will be posted on [www.gomdot.com](http://www.gomdot.com)

**SECTION 900**  
**OF THE CURRENT**  
**2017 STANDARD SPECIFICATIONS**  
**FOR ROAD AND BRIDGE CONSTRUCTION**  
**JACKSON, MISSISSIPPI**

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
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MP-5500-40(003)/306659302 - Leake  
MP-5487-40(015)/306659303 - Leake**

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03/26/2019 01:35 PM

# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

## SECTION 901 - ADVERTISEMENT

Electronic bids will be received by the Mississippi Transportation Commission at 10:00 o'clock A.M., Tuesday, April 23, 2019, from the Bid Express Service and shortly thereafter publicly read on the Sixth Floor for:

Mill & Overlay approximately 1 mile of SR 13 through the Town of Lena, approximately 1 mile of SR 500 from SR 13 to Lena Town Limits, approximately 1 mile of SR 487 from SR 13 to Lena Town Limits, known as State Project Nos. MP-5013-40(006) / 306659301, MP-5500-40(003) / 306659302, & MP-5487-40(015) / 306659303 in Leake County.

The attention of bidders is directed to the predetermined minimum wage rate set by the U. S. Department of Labor under the Fair Labor Standards Act.

The Mississippi Department of Transportation hereby notifies all bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, sex, age, disability, religion or national origin in consideration for an award.

The specifications are on file in the offices of the Mississippi Department of Transportation.

Contractors may request permission to bid online at <http://shopmdot.ms.gov> at no cost. Upon approval, Contractors shall be eligible to submit a bid using Bid Express at <http://bidx.com>. Specimen proposals may be viewed and downloaded online at no cost at <http://mdot.ms.gov> or purchased online at <http://shopmdot.ms.gov> at a cost of Ten Dollars (\$10.00) per proposal plus a small convenience fee. Cash or checks will not be accepted as payment.

Bid bond, signed or countersigned by a Mississippi Agent or Qualified Nonresident Agent, with Power of Attorney attached, a Cashier's check or Certified Check for five (5%) percent of bid, payable to STATE OF MISSISSIPPI, must accompany each proposal.

The attention of bidders is directed to the provisions of Subsection 102.07 pertaining to irregular proposals and rejection of bids.

MELINDA L. MCGRATH  
EXECUTIVE DIRECTOR

# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**SECTION 904 - NOTICE TO BIDDERS NO. 1**

**CODE: (IS)**

**DATE: 03/01/2017**

**SUBJECT: Governing Specifications**

The current (2017) Edition of the Standard Specifications for Road and Bridge Construction adopted by the Mississippi Transportation Commission is made a part hereof fully and completely as if it were attached hereto, except where superseded by special provisions, or amended by revisions of the Specifications contained within this proposal. Copies of the specification book may be purchased from the MDOT Construction Division, or online at [shopmdot/default.aspx?StoreIndex=1](http://shopmdot/default.aspx?StoreIndex=1).

A reference in any contract document to controlling requirements in another portion of the contract documents shall be understood to apply equally to any revision or amendment thereof included in the contract.

In the event the plans or proposal contain references to the 2004 Edition of the Standard Specifications for Road and Bridge Construction, it is to be understood that such references shall mean the comparable provisions of the 2017 Edition of the Standard Specifications.



**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SECTION 904 - NOTICE TO BIDDERS NO. 3**

**CODE: (SP)**

**DATE: 01/17/2017**

**SUBJECT: Final Clean-Up**

Immediately prior to final inspection for release of maintenance, the Contractor shall pick up, load, transport and properly dispose of all litter from the entire highway right-of-way that is within the termini of the project.

Litter shall include, but not be limited to, solid wastes such as glass, paper products, tires, wood products, metal, synthetic materials and other miscellaneous debris.

Litter removal is considered incidental to other items of work and will not be measured for separate payment.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SECTION 904 - NOTICE TO BIDDERS NO. 9**

**CODE: (IS)**

**DATE: 03/01/2017**

**SUBJECT: Federal Bridge Formula**

Bidders are hereby advised that the latest revision of Federal Highway Administration Publication No. FHWA-HOP-06-105, **BRIDGE FORMULA WEIGHTS**, dated August 2006, is made a part of this contract when applicable.

Prior to the preconstruction conference, the Contractor shall advise the Engineer, in writing, what materials, if any, will be delivered to the jobsite via Interstate route(s).

Copies of the **BRIDGE FORMULA WEIGHTS** publication may be obtained by contacting:

Federal Highway Administration  
400 7<sup>th</sup> Street, SW  
Washington, DC 20590  
(202) 366-2212

or

[http://www.ops.fhwa.dot.gov/Freight/publications/brdg\\_frm\\_wgths/bridge\\_formula\\_all\\_rev.pdf](http://www.ops.fhwa.dot.gov/Freight/publications/brdg_frm_wgths/bridge_formula_all_rev.pdf)

An on line **BRIDGE FORMULA WEIGHTS CALCULATOR** is available at

[http://ops.fhwa.dot.gov/freight/sw/brdgcalc/calc\\_page.htm](http://ops.fhwa.dot.gov/freight/sw/brdgcalc/calc_page.htm)

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

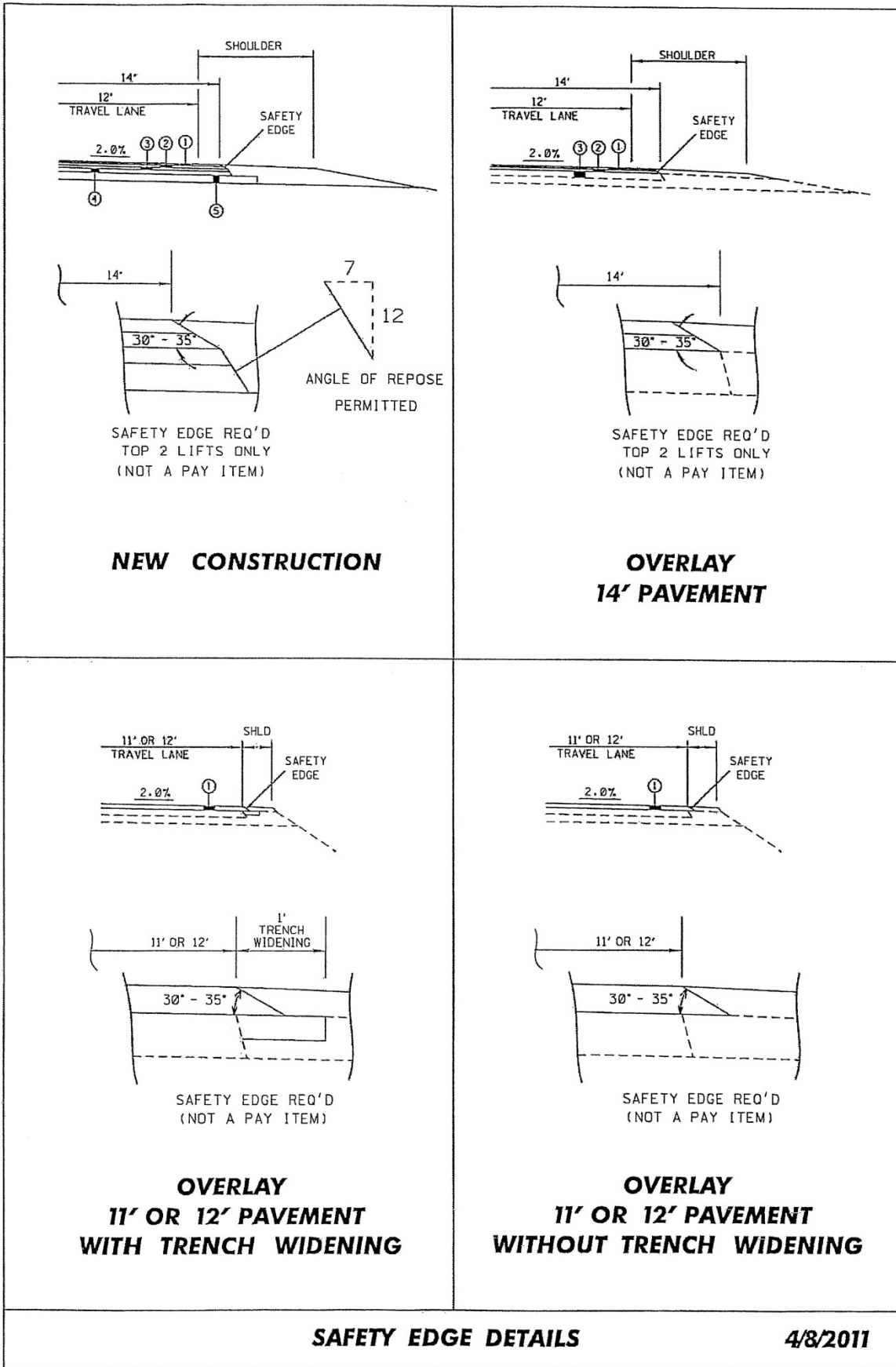
**SECTION 904 - NOTICE TO BIDDERS NO. 13**

**CODE: (IS)**

**DATE: 03/01/2017**

**SUBJECT: Safety Edge**

Bidders are hereby advised that the Shoulder Wedge (Safety Edge) specified in Section 401, Asphalt Pavements, shall only apply to the top two (2) lifts of asphalt. Open Graded Friction Courses (OGFC) are not to be considered a lift as it pertains to safety edge. Attached is a drawing showing the safety edge. Note that the shoulder dimensions in the bottom two drawings will be less than three feet (3').



**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SECTION 904 - NOTICE TO BIDDERS NO. 113**

**CODE: (SP)**

**DATE: 04/18/2017**

**SUBJECT: Tack Coat**

Bidders are advised that in addition to the products listed on the Department's APL as referenced in Subsection 401.03.1.2 on page 256, the Contractor may use one of the following as a tack coat.

- CSS-1
- CSS-1h
- SS-1
- SS-1h

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SECTION 904 - NOTICE TO BIDDERS NO. 296**

**CODE: (SP)**

**DATE: 07/25/2017**

**SUBJECT: Reduced Speed Limit Signs**

Bidders are advised that when the plans or contract documents require the speed limit on a project to be reduced, the Contractor shall begin work within 48 hours of installing the reduced speed limit signs. Should the Contractor not start work or have no plans to start work within 48 hours of installing the signs, the reduced speed limit signs shall be covered and existing speed limit signs uncovered.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SECTION 904 – NOTICE TO BIDDERS NO. 401**

**CODE: (SP)**

**DATE: 09/12/2017**

**SUBJECT: Standard Drawings**

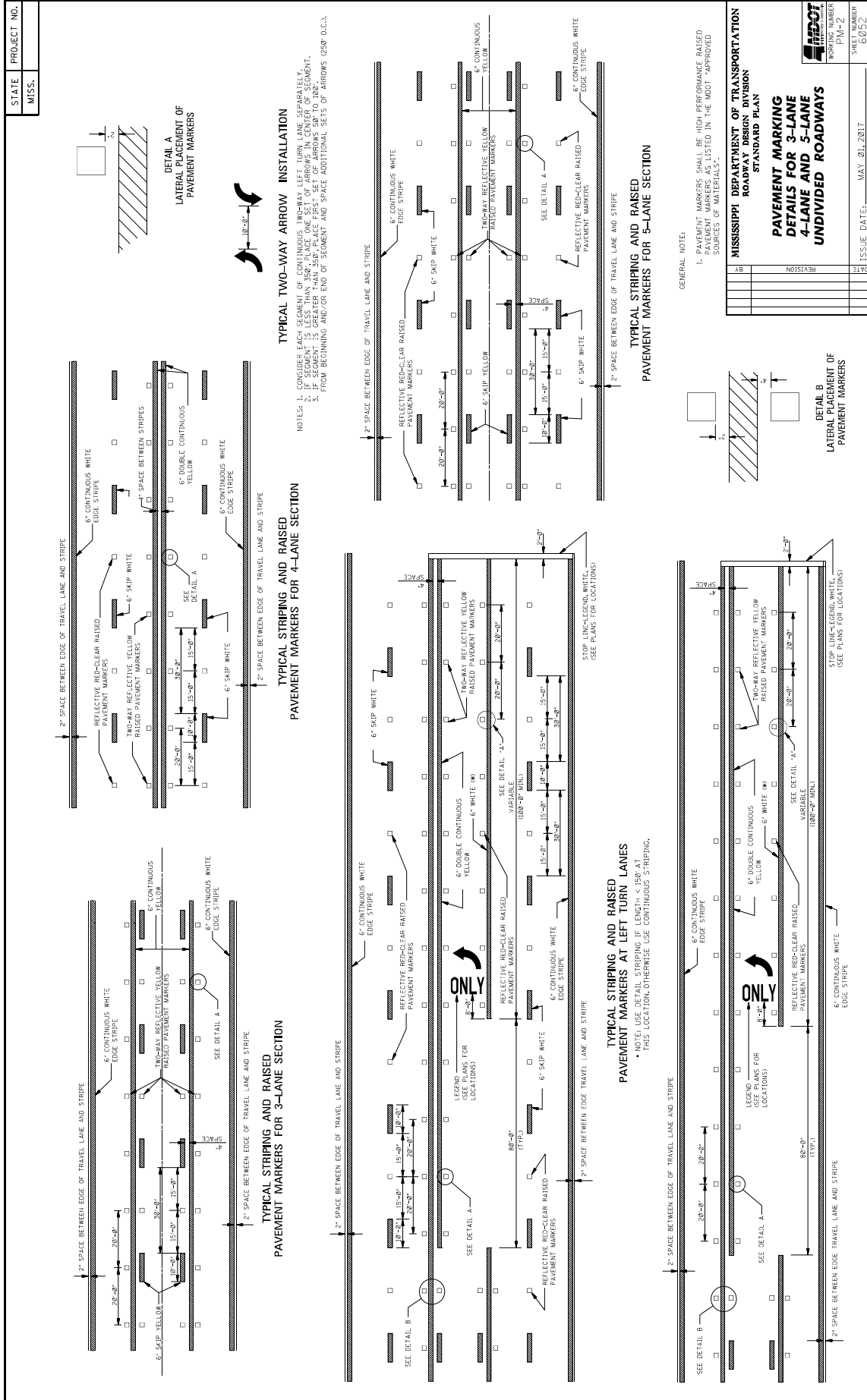
Standard Drawings attached hereto shall govern appropriate items of required work.

Larger copies of Standard Drawings may be purchased from:

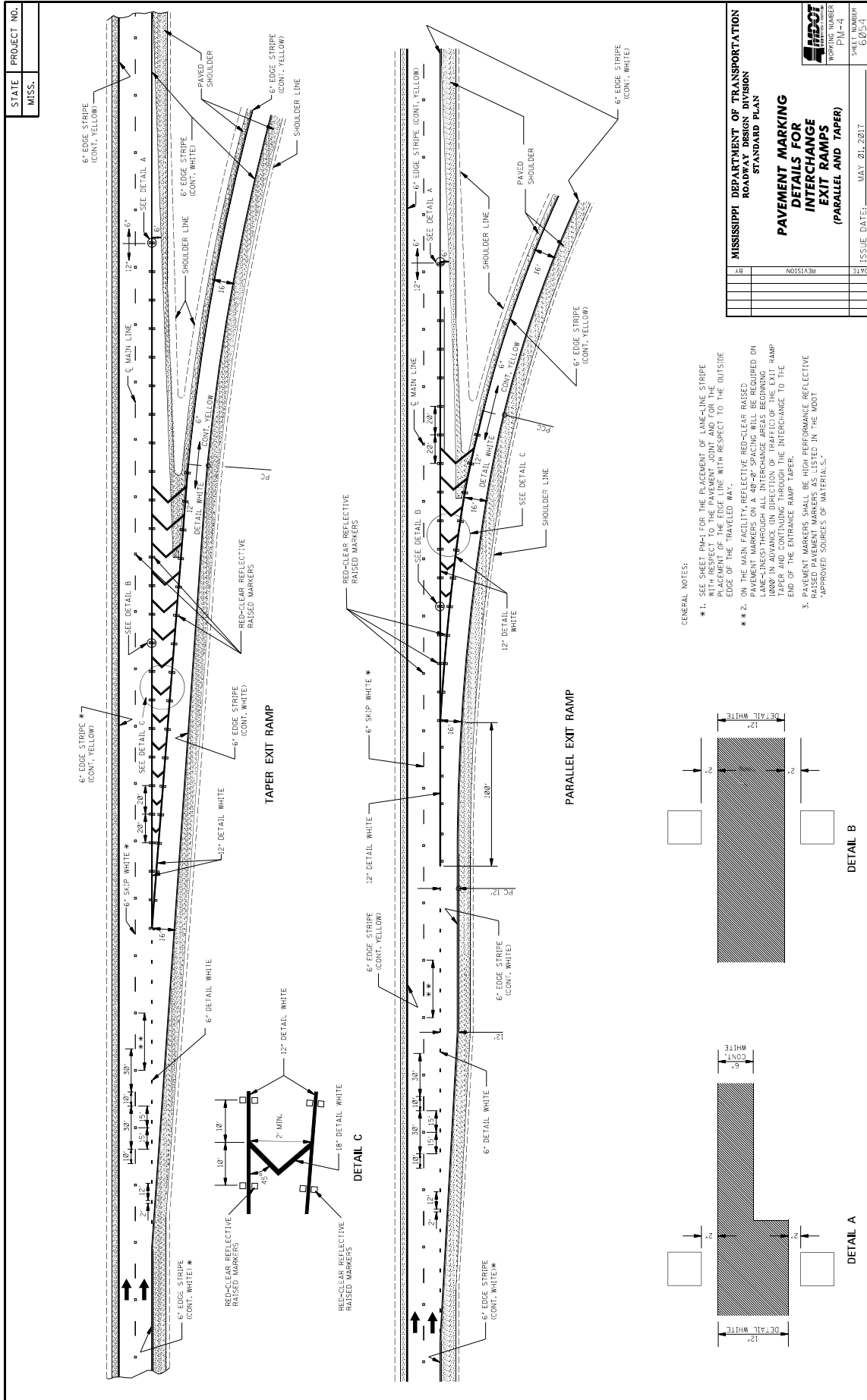
MDOT Plans Print Shop  
MDOT Shop Complex, Building C, Room 114  
2567 North West Street  
P.O. Box 1850  
Jackson, MS 39215-1850  
Telephone: (601) 359-7460  
or FAX: (601) 359-7461  
or e-mail: [plans@mdot.state.ms.us](mailto:plans@mdot.state.ms.us)





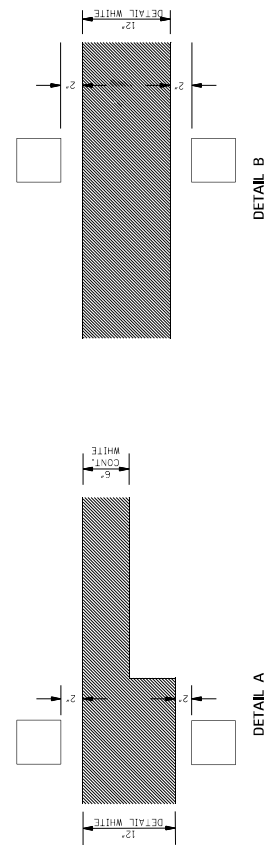






STATE PROJECT NO. MISS.	
MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN	
PAVEMENT MARKING DETAILS FOR INTERCHANGE EXIT RAMP (PARALLEL AND TAPER)	
WORKING NUMBER PM-4	SHEET NUMBER 602/5-1
ISSUE DATE: MAY 01, 2017	

- GENERAL NOTES:
- \*\* 1. SEE SHEET PM-1 FOR THE PLACEMENT OF LANE-LINE STRIPE WITH RESPECT TO THE PAVEMENT JOINT AND FOR THE PLACEMENT OF THE EDGE STRIPE WITH RESPECT TO THE EDGE OF THE PAVED SHOULDER.
  - \*\* 2. EDGE OF MAIN EXISTING REFLECTIVE ROADWAYS RASSES PAVEMENT MARKERS ON A 40'-50' SPACING WILL BE REQUIRED ON LANE-LINES 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.
  - 3. RAISED PAVEMENT MARKERS BE HIGH PERFORMANCE REFLECTIVE 'APPROVED SOURCES OF MATERIALS.'





STATE MISS.	PROJECT NO.		
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**TURN ARROW**

**THRU ARROW**

**LANE-REDUCTION ARROW**

**COMBINATION ARROW**

**ONLY**

**YIELD LINE**

**1-WAY ARROW**

**GENERAL NOTES:**

- TWO HORIZONTAL GAPS (CAUSED BY TEMPLATE CONNECTORS OF 1/16" OR LESS AND EXTENDING THE FULL WIDTH) ARE PERMITTED IN EACH LETTER.
- FOR OTHER DETAILS, SEE THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- DIMENSIONS OF THE YIELD LINE MAY VARY WITH APPROVAL OF THE ENGINEER. SEE MUTCD, LATEST EDITION, FOR ALLOWABLE DIMENSIONS.
- PAY QUANTITIES FOR PAVEMENT MARKING LEGENDS ARE AS FOLLOWS:

PAY QUANTITIES	
LEGEND/SYMBOL	AREA (FT <sup>2</sup> )
ONLY	22.0
TURN ARROW	16.4
THRU ARROW	12.3
COMB. ARROW	27.5
1-WAY ARROW	24.3
LANE REDUCTION ARROW	40.0

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**  
ROADWAY DESIGN DIVISION  
STANDARD PLAN

**PAVEMENT MARKING**  
**LEGEND DETAILS**

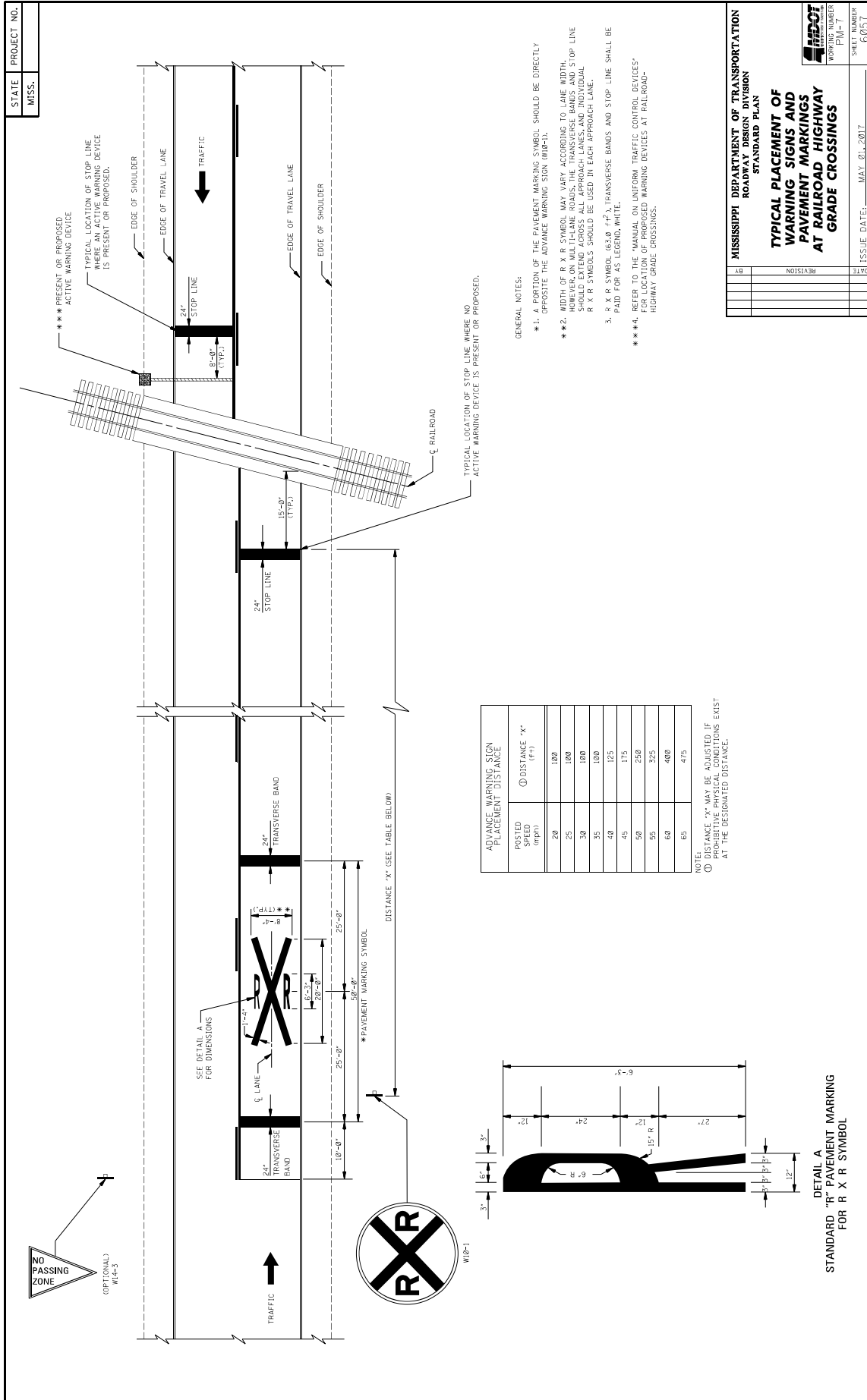
  

DATE	BY	REVISION	DATE	BY	REVISION	DATE	BY	REVISION

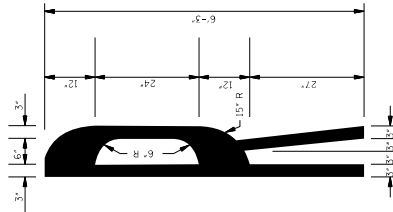
ISSUE DATE: MAY 01, 2017

SHEET NUMBER  
PM-6  
60/56



POSTED SPEED (mph)	ADVANCE WARNING SIGN PLACEMENT DISTANCE (ft)
20	100
25	100
30	100
35	100
40	125
45	175
50	250
55	325
60	400
65	475

NOTE: DISTANCE "X" MAY BE SHORTER IF PROTECTIVE PHYSICAL CONDITIONS EXIST AT THE DESIGNATED DISTANCE.



DETAIL A  
STANDARD "R" PAVEMENT MARKING  
FOR R X R SYMBOL

- GENERAL NOTES:
- \*\* 1. A PORTION OF THE PAVEMENT MARKING SYMBOL SHOULD BE DIRECTLY OPPOSITE THE ADVANCE WARNING SIGN (W10-1).
  - \*\* 2. WIDTH OF R X R SYMBOL MAY VARY ACCORDING TO LANE WIDTH. SYMBOLS SHOULD EXTEND ACROSS ALL APPROACH LANES, AND INDIVIDUAL R X R SYMBOLS SHOULD BE USED IN EACH APPROACH LANE.
  - 3. R X R SYMBOL (63.8 x 71.1) TRANSVERSE BANDS AND STOP LINE SHALL BE PAID FOR AS LEGEND WHITE.
  - \*\* 4. REFER TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR LOCATION OF PROPOSED WARNING DEVICES AT RAILROAD-HIGHWAY GRADE CROSSINGS.

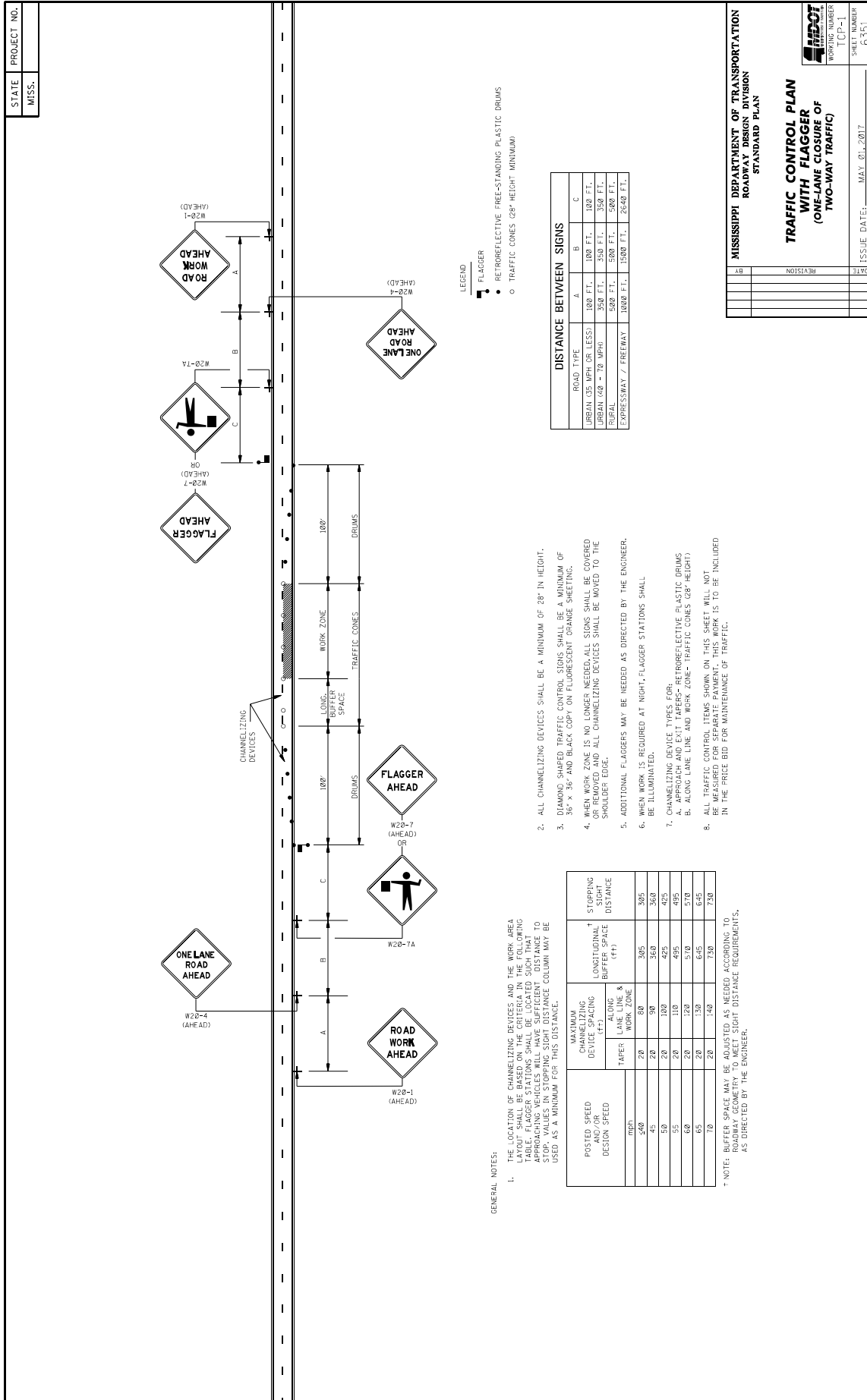
STATE PROJECT NO.  
MISS.

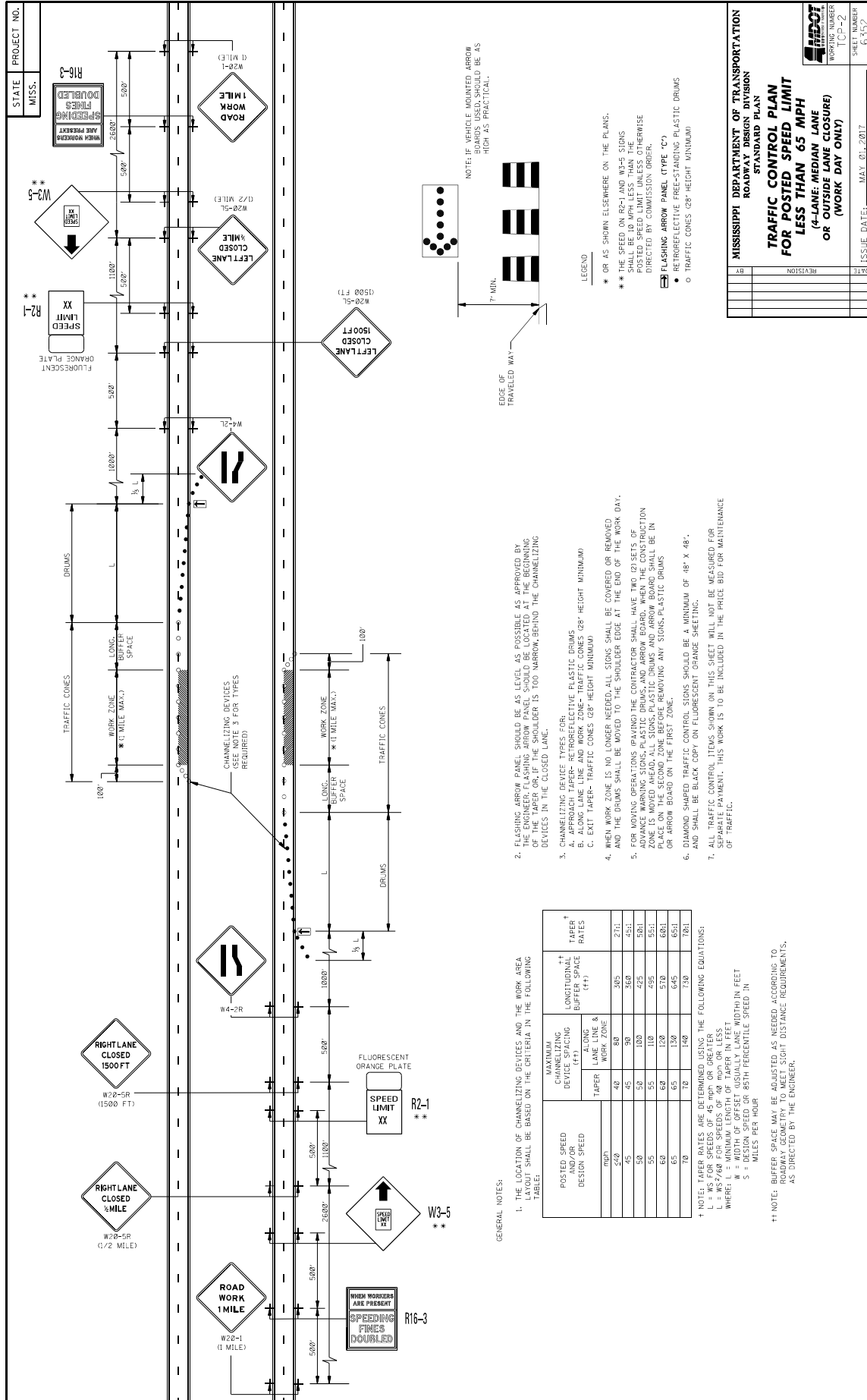
MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
ROADWAY DESIGN DIVISION  
STANDARD PLAN

**TYPICAL PLACEMENT OF WARNING SIGNS AND PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSINGS**

WORKING NUMBER: P10-1  
SHEET NUMBER: 6031

ISSUE DATE: MAY 01, 2017





STATE PROJECT NO. MISS. R16-3  
 WHEN WORKERS ARE PRESENT SPEEDING FINES DOUBLED  
 W20-1 (1 MILE)  
 W20-5P (1/2 MILE)  
 W20-5R (1500 FT)  
 W4-2R  
 W20-5L (1/2 MILE)  
 W20-1 (1500 FT)  
 W4-2L

TRAFFIC CONES  
 DRUMS  
 LONG. BUFFER SPACE  
 WORK ZONE  
 \* (1 MILE MAX.)  
 CHANNELIZING DEVICES  
 SEE NOTE 3 FOR TYPES REQUIRED

1000'  
 500'  
 1000'  
 500'  
 1000'  
 500'  
 1000'  
 500'

RIGHT LANE CLOSED 1500 FT  
 W20-5R (1500 FT)  
 RIGHT LANE CLOSED 1/2 MILE  
 W20-5P (1/2 MILE)  
 ROAD WORK 1 MILE  
 W20-1 (1 MILE)

W20-5R (1500 FT)  
 SPEED LIMIT XX  
 R2-1  
 W3-5  
 W20-5L (1/2 MILE)  
 ROAD WORK 1 MILE  
 W20-1 (1 MILE)

TRAFFIC CONES  
 DRUMS  
 LONG. BUFFER SPACE  
 WORK ZONE  
 \* (1 MILE MAX.)  
 CHANNELIZING DEVICES  
 SEE NOTE 3 FOR TYPES REQUIRED

1000'  
 500'  
 1000'  
 500'  
 1000'  
 500'

LEFT LANE CLOSED 1500 FT  
 W20-5L (1500 FT)  
 LEFT LANE CLOSED 1/2 MILE  
 W20-5L (1/2 MILE)  
 ROAD WORK 1 MILE  
 W20-1 (1 MILE)

TRAFFIC CONES  
 DRUMS  
 LONG. BUFFER SPACE  
 WORK ZONE  
 \* (1 MILE MAX.)  
 CHANNELIZING DEVICES  
 SEE NOTE 3 FOR TYPES REQUIRED

1000'  
 500'  
 1000'  
 500'  
 1000'  
 500'

EDGE OF TRAVELED WAY  
 7' MIN.

NOTE: IF VEHICLE MOUNTED ARROW SIGNS SHOULD BE AS HIGH AS PRACTICAL.

LEGEND  
 \* OR AS SHOWN ELSEWHERE ON THE PLANS.  
 \*\* THE SPEED ON R2-1 AND W4-5 SIGNS SHALL BE 10 MPH LESS THAN THE POSTED SPEED LIMIT UNLESS OTHERWISE DIRECTED BY COMMISSION ORDER.  
 [Symbol] FLASHING ARROW PANEL (TYPE 'C')  
 [Symbol] RETROREFLECTIVE FREE-STANDING PLASTIC DRUMS  
 [Symbol] TRAFFIC CONES (28" HEIGHT MINIMUM)

GENERAL NOTES:  
 1. THE LOCATION OF CHANNELIZING DEVICES AND THE WORK AREA LAYOUT SHALL BE BASED ON THE CRITERIA IN THE FOLLOWING TABLE:  
 2. FLASHING ARROW PANEL SHOULD BE AS LEVEL AS POSSIBLE AS APPROVED BY THE ENGINEER. THE PANEL SHOULD BE POSITIONED AT THE END OF THE TAPER OR IF THE SHOULDER IS TOO NARROW, BEHIND THE CHANNELIZING DEVICES IN THE CLOSED LANE.  
 3. CHANNELIZING DEVICES TYPES FOR:  
 A. APPROACH TAPER- RETROREFLECTIVE PLASTIC DRUMS  
 B. ALONG LANE LINE AND WORK ZONE- TRAFFIC CONES (28" HEIGHT MINIMUM)  
 C. EXIT TAPER- TRAFFIC CONES (28" HEIGHT MINIMUM)  
 4. WHEN WORK ZONE IS NO LONGER NEEDED, ALL SIGNS SHALL BE COVERED OR REMOVED  
 5. FOR MOVING OPERATIONS (PAVING) THE CONTRACTOR SHALL HAVE TWO (2) SETS OF ADVANCE WARNING SIGNS, PLASTIC DRUMS, AND ARROW BOARD. WHEN THE CONSTRUCTION ZONE IS MOVED AHEAD, ALL SIGNS, PLASTIC DRUMS AND ARROW BOARD SHALL BE IN PLACE ON THE SECOND ZONE BEFORE REMOVING ANY SIGNS, PLASTIC DRUMS OR ARROW BOARD ON THE FIRST ZONE.  
 6. DIAMOND SHAPED TRAFFIC CONTROL SIGNS SHOULD BE A MINIMUM OF 48" X 48" AND SHALL BE BLACK COPY ON FLUORESCENT ORANGE SHEETING.  
 7. ALL TRAFFIC CONTROL ITEMS SHOWN ON THIS SHEET WILL NOT BE MEASURED FOR PAYMENT. THIS WORK IS TO BE INCLUDED IN THE PRICE BID FOR MAINTENANCE OF TRAFFIC.

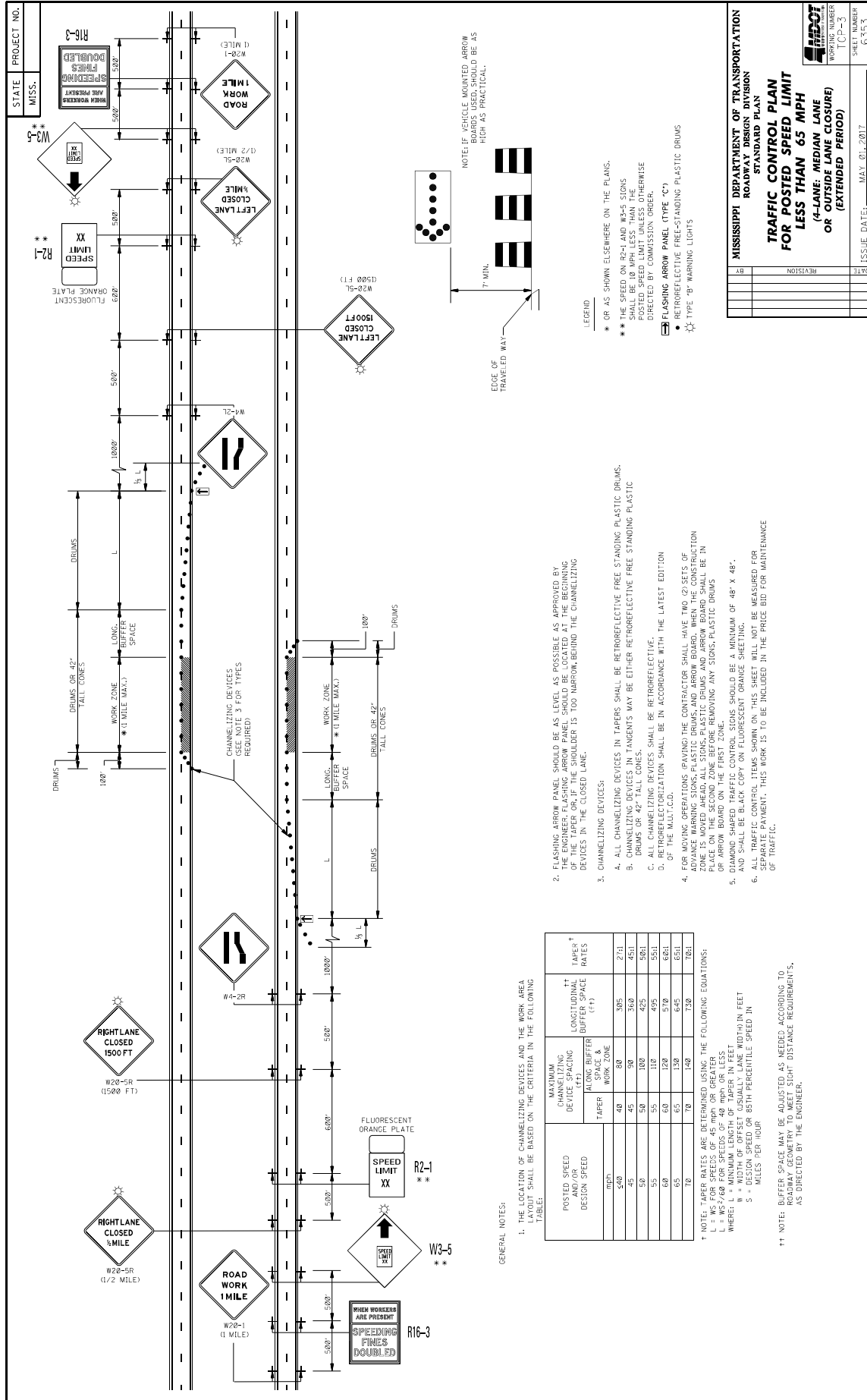
POSTED SPEED AND/OR DESIGN SPEED	MAXIMUM CHANNELIZING DEVICE SPACING (FT)		LONGITUDINAL BUFFER SPACE (FT)	TAPER RATES
	LANE LINE & WORK ZONE	EXIT TAPER		
45	40	80	305	27:1
50	45	90	360	45:1
55	50	100	425	50:1
60	55	110	495	55:1
65	60	120	570	60:1
70	65	130	645	65:1
75	70	140	730	70:1

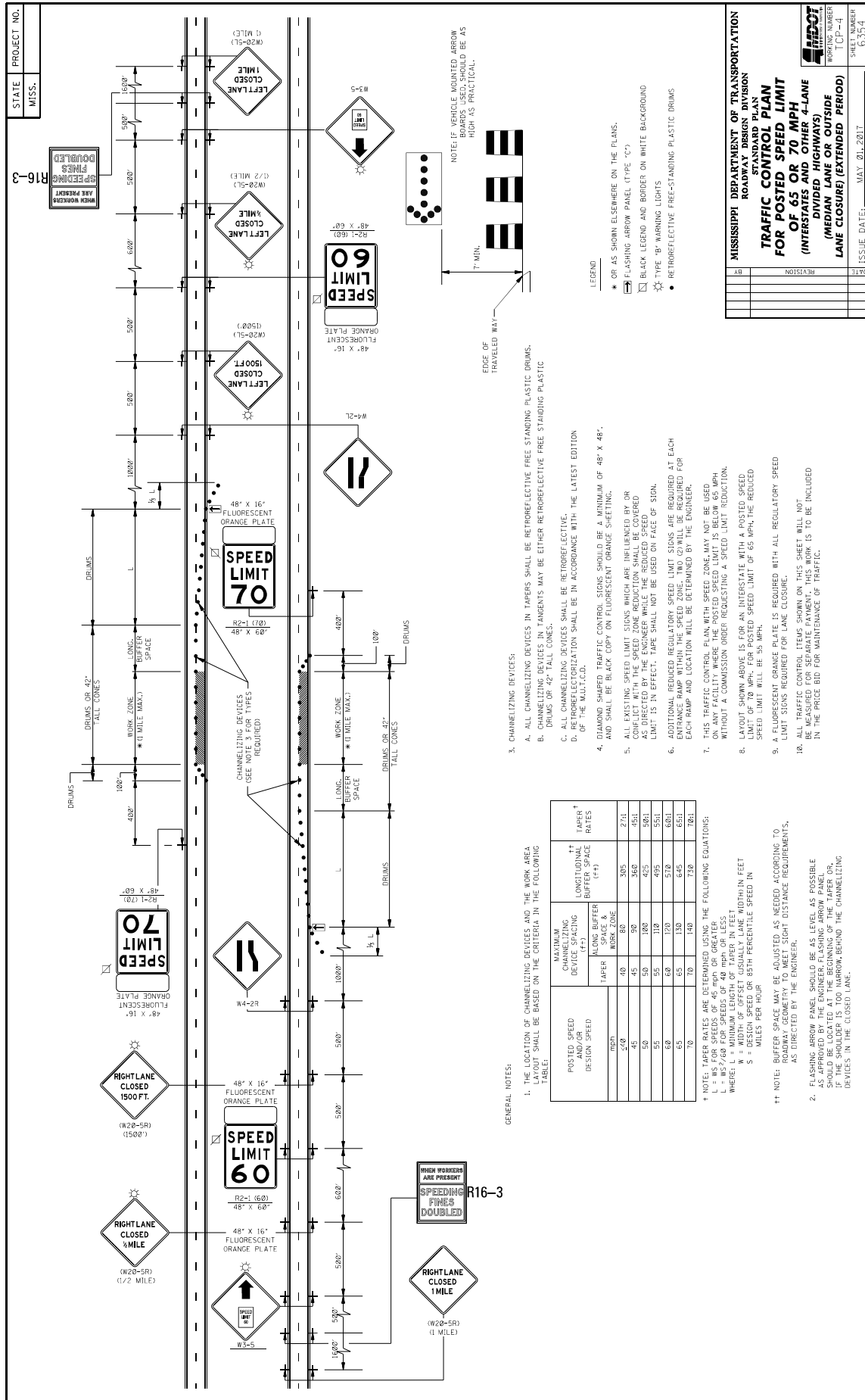
† NOTE: TAPER RATES ARE DETERMINED USING THE FOLLOWING EQUATIONS:  
 L = WS FOR SPEEDS OF 45 MPH OR GREATER  
 L = WS FOR SPEEDS OF 55 MPH OR GREATER  
 WHERE: L = MINIMUM LENGTH OF TAPER IN FEET  
 W = WIDTH OF OFFSET (USUALLY LANE WIDTH IN FEET)  
 S = DESIGN SPEED OR 85TH PERCENTILE SPEED IN MILES PER HOUR  
 †† NOTE: BUFFER SPACE MAY BE ADJUSTED AS NEEDED ACCORDING TO ROADWAY GEOMETRY TO MEET SIGHT DISTANCE REQUIREMENTS, AS DIRECTED BY THE ENGINEER.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
 ROADWAY DESIGN DIVISION  
 STANDARD PLAN  
**TRAFFIC CONTROL PLAN  
 FOR POSTED SPEED LIMIT  
 LESS THAN 65 MPH  
 (4-LANE, MEDIAN LANE  
 OR OUTSIDE LANE CLOSURE)  
 OR (WORK DAY ONLY)**

ISSUE DATE: MAY 01, 2017  
 SHEET NUMBER: T1P-2  
 WORKING NUMBER: 6352







STATE PROJECT NO.  
MISS. R16-3

WHEN WORKERS ARE PRESENT SPEEDING FINES DOUBLED

MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
ROADWAY DESIGN DIVISION  
TRAFFIC CONTROL PLAN  
FOR POSTED SPEED LIMIT  
OF 65 OR 70 MPH  
(INTERSTATES AND OTHER 4-LANE  
DIVIDED HIGHWAYS)  
(MEDIAN LANE OR OUTSIDE  
LANE CLOSED) (EXTENDED PERIOD)

ISSUE DATE: MAY 01, 2017

- GENERAL NOTES:
1. THE LOCATION OF CHANNELIZING DEVICES AND THE WORK AREA TAPER SHALL BE BASED ON THE CRITERIA IN THE FOLLOWING TABLE:
- | POSTED SPEED DESIGN SPEED (MPH) | MAXIMUM CHANNELIZING DEVICE SPACING |           | LONGITUDINAL BUFFER SPACE (FT) | TAPER RATES |
|---------------------------------|-------------------------------------|-----------|--------------------------------|-------------|
|                                 | TAPER                               | WORK ZONE |                                |             |
| 50                              | 40                                  | 80        | 305                            | 2:1         |
| 55                              | 45                                  | 90        | 360                            | 4:1         |
| 60                              | 50                                  | 100       | 420                            | 5:1         |
| 65                              | 55                                  | 110       | 480                            | 6:1         |
| 70                              | 60                                  | 120       | 528                            | 6:1         |
| 75                              | 65                                  | 130       | 625                            | 6:1         |
| 80                              | 70                                  | 140       | 720                            | 7:1         |
- †† NOTE: TAPER RATES ARE DETERMINED USING THE FOLLOWING EQUATIONS:  
 † NOTE: BUFFER SPACE MAY BE ADJUSTED AS NEEDED ACCORDING TO ROADWAY GEOMETRY TO MEET SIGHT DISTANCE REQUIREMENTS, AS DIRECTED BY THE ENGINEER.  
 L = WS<sup>2</sup>/60 FOR SPEEDS OF 45 MPH OR GREATER  
 L = WS<sup>2</sup>/60 FOR SPEEDS OF 40 MPH OR LESS  
 WHERE: L = MINIMUM BUFFER SPACE REQUIRED IN FEET  
 W = WIDTH OF ROADWAY (MEDIAN OR SHOULDER) IN FEET  
 S = DESIGN SPEED OR 85TH PERCENTILE SPEED IN MILES PER HOUR
2. FLASHING ARROW PANEL SHOULD BE AS LEVEL AS POSSIBLE AS APPROVED BY THE ENGINEER. FLASHING ARROW PANEL SHOULD BE LOCATED AT THE BEGINNING OF THE TAPER OR AT THE END OF THE WORK ZONE, BEHIND THE CHANNELIZING DEVICES IN THE CLOSED LANE.
3. CHANNELIZING DEVICES:
- A. ALL CHANNELIZING DEVICES IN TAPERS SHALL BE RETROREFLECTIVE FREE STANDING PLASTIC DRUMS.
  - B. CHANNELIZING DEVICES IN TANGENTS MAY BE EITHER RETROREFLECTIVE FREE STANDING PLASTIC DRUMS OR 42" TALL CONES.
  - C. ALL CHANNELIZING DEVICES SHALL BE RETROREFLECTIVE.
  - D. RETROREFLECTIVIZATION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MUTCD-6A.
4. DIAMOND SHAPED TRAFFIC CONTROL SIGNS SHOULD BE A MINIMUM OF 48" X 48" AND SHALL BE BLACK COPY ON FLUORESCENT ORANGE SHEETING.
5. ALL EXISTING SPEED LIMIT SIGNS WHICH ARE INFLUENCED BY OR COMPLECT WITH THE SPEED ZONE REDUCTION SHALL BE COVERED WITH A BLACK LEGEND AND BORDER ON WHITE BACKGROUND.
  6. ADDITIONAL REQUIRED REGULATORY SPEED LIMIT SIGNS ARE REQUIRED AT EACH ENRANCE RAMP WITHIN THE SPEED ZONE. TWO CONES ARE REQUIRED FOR EACH RAMP AND LOCATION WILL BE DETERMINED BY THE ENGINEER.
  7. THIS TRAFFIC CONTROL PLAN WITH SPEED ZONE MAY NOT BE USED ON ANY FACILITY WHERE THE POSTED SPEED LIMIT IS BELOW 65 MPH WITHOUT A COMMISSION ORDER REQUESTING A SPEED LIMIT REDUCTION.
  8. LAYOUT SHOWN ABOVE IS FOR AN INTERSTATE WITH A POSTED SPEED LIMIT OF 70 MPH. FOR POSTED SPEED LIMIT OF 65 MPH, THE REDUCED SPEED LIMIT WILL BE 55 MPH.
  9. A FLUORESCENT ORANGE PLATE IS REQUIRED WITH ALL REGULATORY SPEED LIMIT SIGNS REQUIRED FOR LANE CLOSURE.
  10. ALL TRAFFIC CONTROL ITEMS SHOWN ON THIS SHEET WILL NOT BE MEASURED FOR SEPARATE PAYMENT. THIS WORK IS TO BE INCLUDED IN THE PRICE BID FOR MAINTENANCE OF TRAFFIC.
- LEGEND
- \* OR AS SHOWN ELSEWHERE ON THE PLANS.
  - FLASHING ARROW PANEL (TYPE "C")
  - BLACK LEGEND AND BORDER ON WHITE BACKGROUND
  - TYPE "B" WARNING LIGHTS
  - RETROREFLECTIVE FREE-STANDING PLASTIC DRUMS
- NOTE: IF VEHICLE MOUNTED ARROW SHOULD BE AS HIGH AS PRACTICAL.



STATE PROJECT NO.  
MISS.

WORKING NUMBER  
ICP-6  
G350

**WING BARRICADES**

- WING BARRICADES ARE TYPE III BARRICADES ERECTED ON THE SHOULDER OF A ROADWAY OR ON THE SIDE OF A ROADWAY TO RESTRICT TRAFFIC FROM ENTERING OR EXITING A RESTRICTED ROADWAY. WING BARRICADES MAY BE USED AS A MOUNTING FOR THE ADVANCE WARNING SIGNS OR FLASHERS.
- WING BARRICADES SHOULD BE USED:
  - IN ADVANCE OF A CONSTRUCTION PROJECT EVEN WHEN NO PART OF THE ROADWAY IS ACTUALLY CLOSED.
  - IN ADVANCE OF ALL BRIDGE OR CULVERT WIDENING OPERATIONS.

**BARRICADE CLOSING A ROAD**

**BARRICADE CHARACTERISTICS**

	I	II	III
WIDTH OF RAIL **	8" MIN. - 12" MAX.	8" MIN. - 12" MAX.	8" MIN. - 12" MAX.
LENGTH OF RAIL **	24" MIN.	24" MIN.	48" MIN.
WIDTH OF STRIPE *	6"	6"	6"
HEIGHT	36" MIN.	36" MIN.	60" MIN.
NUMBER OF RETROREFLECTORIZED RAIL FACES	2 (ONE EACH DIRECTION)	4 (TWO EACH DIRECTION)	3 IF FACING TRAFFIC IN ONE DIRECTION 6 IF FACING TRAFFIC IN TWO DIRECTIONS

\* 1. FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES MAY BE USED.  
 \*\* 2. BARRICADES INTENDED FOR USE ON EXPRESSWAYS, FREEWAYS AND OTHER HIGH SPEED ROADWAYS, SHALL HAVE A MINIMUM OF 270 IN<sup>2</sup> OF REFLECTIVE AREA FACING TRAFFIC.

**STANDARD BARRICADES**

- THE MARKING FOR BARRICADE RAILS SHALL BE ORANGE AND WHITE (SLOPING DOWNWARD AT AN ANGLE OF 45° IN THE DIRECTION TRAFFIC IS TO PASS).
- RAIL STRIPE SHALL BE 6 INCHES, EXCEPT THAT 4-INCH WIDE STRIPES MAY BE USED IF RAIL LENGTHS ARE LESS THAN 36 INCHES.
- DO NOT PLACE SANDBAGS OR OTHER DEVICES TO PROVIDE MASS ON THE BOTTOM RAIL THAT WILL BLOCK VIEW OR RAIL FACE.
- FOR ADDITIONAL INFORMATION OR DETAILS, SEE MUTCD, LATEST EDITION.
- BARRICADES ARE CLASSIFIED BY FHWA AS CATEGORY II WORK ZONE DEVICES WHICH REQUIRE SUCCESSFUL CRASH TESTING. A LIST OF CRASHWORTHY BARRICADES AND OTHER CATEGORY II DEVICES CAN BE FOUND ON FHWA'S WEBSITE: [http://safety.fhwa.dot.gov/roadway\\_dept/policy\\_guidance/road\\_hardware/cat2.cfm](http://safety.fhwa.dot.gov/roadway_dept/policy_guidance/road_hardware/cat2.cfm)

**CHEVRON SIGN DETAIL**

- A CHEVRON SIGN CONSISTS OF A BLACK CHEVRON TYPE MARKING ON AN ORANGE BACKGROUND AND SHALL POINT IN THE DIRECTION OF TRAFFIC FLOW.
- THE CHEVRON SIGN SHALL BE MOUNTED ON CRASHWORTHY SUPPORT.
- CHEVRON SIGNS MAY BE USED TO SUPPLEMENT OTHER STANDARD DEVICES WHERE ONE OR MORE LANES ARE CLOSED FOR CONSTRUCTION OR MAINTENANCE. THEY SHOULD BE PLACED APPROXIMATELY 2'-0" BEHIND THE LANE TRANSITION STRIPE.

**PLASTIC DRUM STRIPING DETAIL**

- PLASTIC DRUMS SHALL BE ON END AND USED AS AN EXPEDIENT METHOD FOR TRAFFIC CHANNELIZATION. THE COLOR AND MARKING OF DRUMS SHALL BE CONSISTENT WITH THE MARKING OF THE ROADWAY. STRIPES ON THE PERIPHERY OF DRUMS SHALL BE ORANGE WITH FOUR RETROREFLECTIVE, HORIZONTAL, CIRCUMFERENTIAL STRIPES (2 ORANGE & 2 WHITE) 6" WIDE.
- DRUMS SHOULD NEVER BE PLACED IN THE ROADWAY WITHOUT WARNING SIGNS.
- WHERE PRACTICAL PLASTIC DRUMS SHOULD BE PLACED NO CLOSER THAN 3'-0" FROM THE EDGE OF TRAVELED LANE.

**TYPE 3 OBJECT MARKER (OM-3R)**

- TYPE 3 OBJECT MARKERS SHALL BE USED AT ALL EXPOSED BRIDGE ABUTMENTS AND AT OTHER LOCATIONS AS DEEMED NECESSARY BY THE ENGINEER.
- THE OM-3R IS SIMILAR EXCEPT THE STRIPES SLOPE DOWNWARD FROM THE UPPER LEFT SIDE TO THE LOWER RIGHT SIDE AND SHALL BE PLACED ON THE LEFT SIDE OF THE OBJECT.
- THE INSIDE EDGE OF THE MARKER SHALL BE IN LINE WITH THE INNER EDGE OF THE OBSTRUCTION.

REVISION

NO.	DATE	DESCRIPTION

MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
ROADWAY DESIGN DIVISION  
STANDARD PLAN

**HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS**

ISSUE DATE: MAY 01, 2017

STATE MISS.	PROJECT NO.	
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### MOBILE OPERATIONS ON MULTILANE ROAD

**MOBILE OPERATIONS ON MULTILANE ROAD**

**NOTES FOR MULTILANE LANE OPERATION:**

- VEHICLES USED FOR THESE OPERATIONS SHOULD BE MADE HIGHLY VISIBLE WITH APPROPRIATE EQUIPMENT, SUCH AS FLASHING LIGHTS, ROTATING BEACONS, FLASERS, SIGNS, OR ARROW PANELS.
- SHADOW VEHICLE 2 SHOULD BE EQUIPPED WITH AN ARROW PANEL AND TRUCK MOUNTED ATTENUATOR (TMA), AN APPROPRIATE LANE CLOSURE SIGN SHOULD BE USED ON SHADOW VEHICLE 2 SO AS NOT TO OBSCURE THE ARROW PANEL.
- SHADOW VEHICLE 1 SHOULD BE EQUIPPED WITH AN ARROW PANEL AND TRUCK MOUNTED ATTENUATOR (TMA).
- 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.
- WHEN ADEQUATE SHOULDER WIDTH IS NOT AVAILABLE, SHADOW VEHICLE 2 SHOULD BE ELIMINATED.
- ON HIGH-SPEED ROADWAYS, A THIRD SHADOW VEHICLE SHOULD BE USED (I.e., VEHICLE 3 ON THE SHOULDER OF PRACTICALLY, VEHICLE 2 IN THE CLOSED LANE, AND VEHICLE 1 IN THE CLOSED LANE).
- ARROW PANELS SHALL BE AS A MINIMUM TYPE B, 60" X 30" IN ACCORDANCE WITH THE CRITERIA PRESENTED IN THE MUTCO.
- WORK SHOULD NORMALLY BE DONE DURING OFF-PEAK HOURS.
- 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.
- ALL TRAFFIC CONTROL ITEMS SHOWN ON THIS SHEET WILL NOT BE MEASURED FOR SEPARATE PAYMENT. THIS WORK IS TO 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:**

- 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.
- 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 DISTANCE CANNOT BE MAINTAINED, THE SHADOW VEHICLE SHOULD BE USED TO ADVISE TRAFFIC. SHADOW VEHICLES 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.
- 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.
- A TRUCK-MOUNTED ATTENUATOR (TMA) SHOULD BE USED ON THE SHADOW VEHICLE AND MAY BE USED ON THE WORK VEHICLE.
- THE WORK VEHICLE SHALL BE EQUIPPED WITH BEACONS, AND THE SHADOW VEHICLE SHALL BE EQUIPPED WITH BEACONS. HIGH-BEAM LIGHTS AND WORK 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.
- 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.
- ARROW BOARD TO BE USED IN CAUTION MODE.
- ALL TRAFFIC CONTROL ITEMS SHOWN ON THIS SHEET WILL NOT BE MEASURED FOR SEPARATE PAYMENT. THIS WORK IS TO BE INCLUDED IN THE PRICE BID FOR MAINTENANCE OF TRAFFIC.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
ROADWAY DESIGN DIVISION  
STANDARD PLAN

**TRAFFIC CONTROL PLAN  
MOBILE OPERATIONS  
MULTILANE ROADS  
TWO-LANE ROADS**

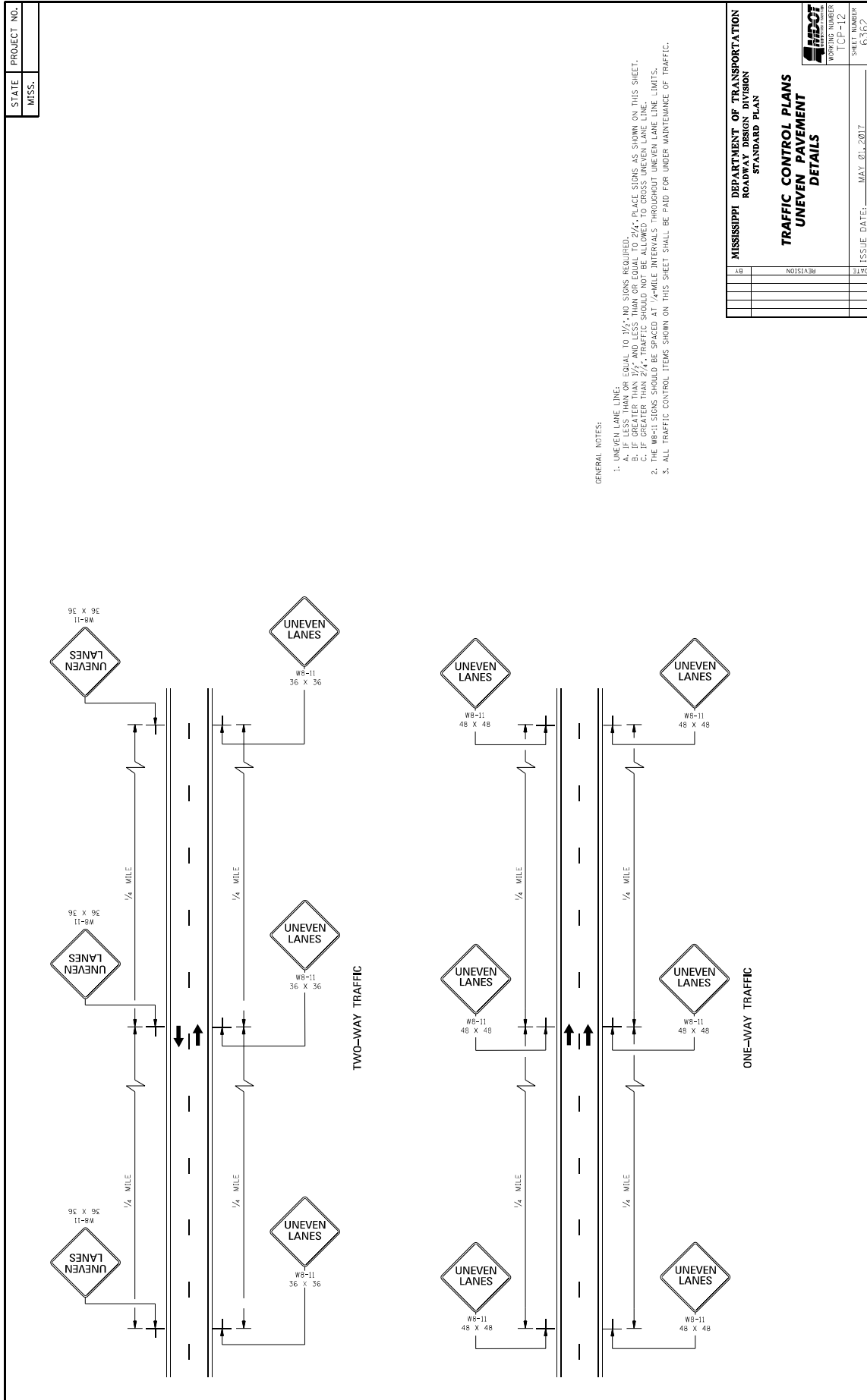
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ISSUE DATE: MAY 01, 2017

SHEET NUMBER  
TCP-9  
G339







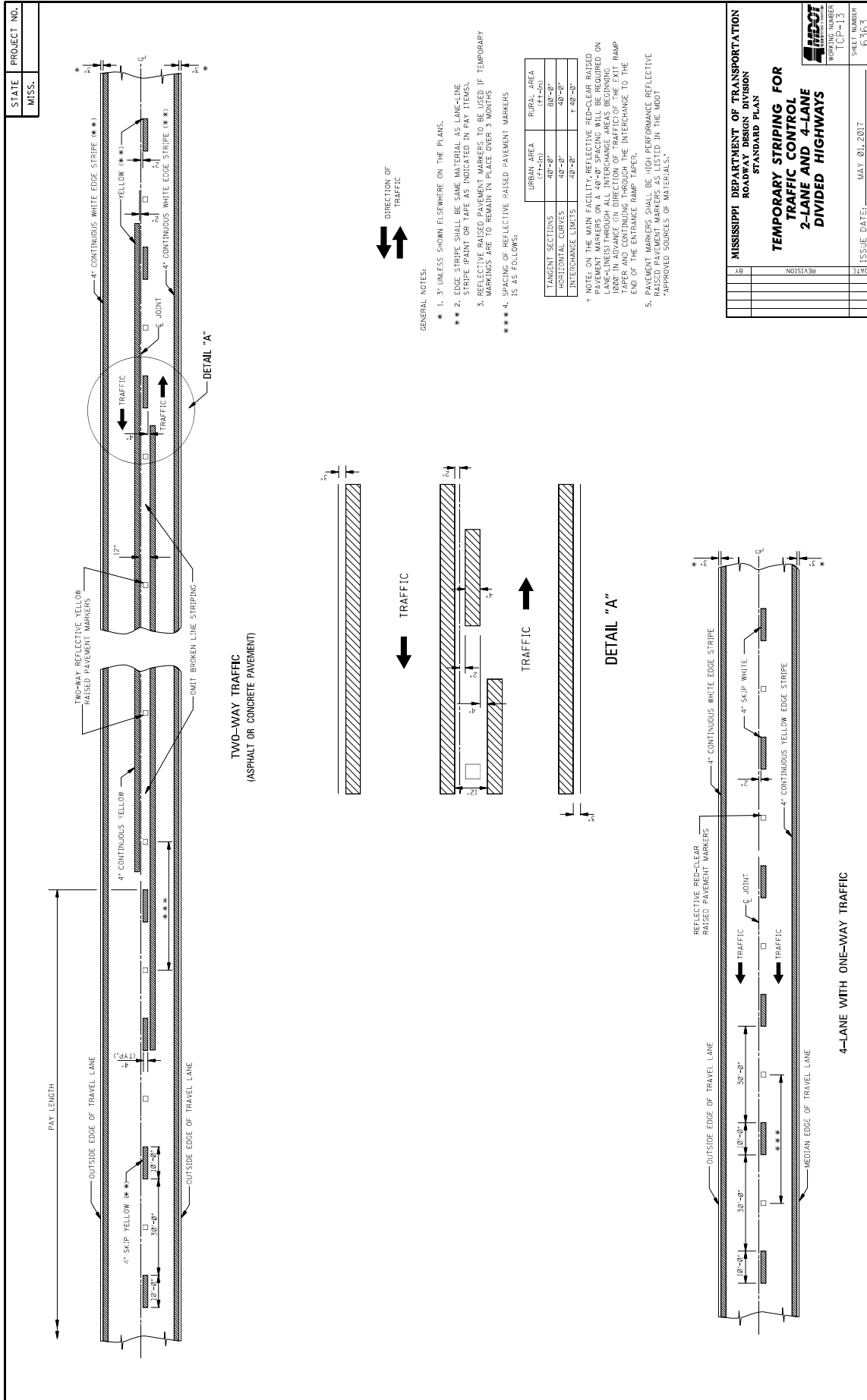
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MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
ROADWAY DESIGN DIVISION  
STANDARD PLAN

**TRAFFIC CONTROL PLANS  
UNEVEN PAVEMENT  
DETAILS**

WORKING NUMBER	TCP-12	SHEET NUMBER	6362	ISSUE DATE:	MAY 01, 2017
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STATE MISS.	PROJECT NO.	
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**TYPICAL STRIPING AND RAISED PAVEMENT MARKERS FOR 4-LANE SECTION**

**TYPICAL STRIPING AND RAISED PAVEMENT MARKERS FOR 5-LANE SECTION**

**TYPICAL STRIPING AND RAISED PAVEMENT MARKERS AT LEFT TURN LANES**

**DETAIL A  
LATERAL PLACEMENT OF PAVEMENT MARKERS**

**DETAIL B  
LATERAL PLACEMENT OF PAVEMENT MARKERS**

**DETAIL OF TEMPORARY TURN ARROW**

**GENERAL NOTE:**

- PAVEMENT MARKERS SHALL BE HIGH PERFORMANCE RAISED PAVEMENT MARKERS AS LISTED IN THE MDDI \*APPROVED SOURCES OF MATERIALS\*.
- REFLECTIVE RAISED PAVEMENT MARKERS TO BE USED IF TEMPORARY MARKINGS ARE TO REMAIN IN PLACE OVER 3 MONTHS.
- TEMPORARY TURN ARROW TO BE PAID FOR AS TEMPORARY TRAFFIC STRIPE (LEGEND) ESTIMATED AT 10.9 SQ. FT. PER ARROW.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
ROADWAY DESIGN DIVISION  
STANDARD PLAN**

**TEMPORARY STRIPING FOR TRAFFIC CONTROL 4-LANE AND 5-LANE UNDIVIDED ROADWAYS**

DATE	REVISION

ISSUE DATE: MAY 01, 2017  
SHEET NUMBER: 6264  
WORKING NUMBER: TCR-14

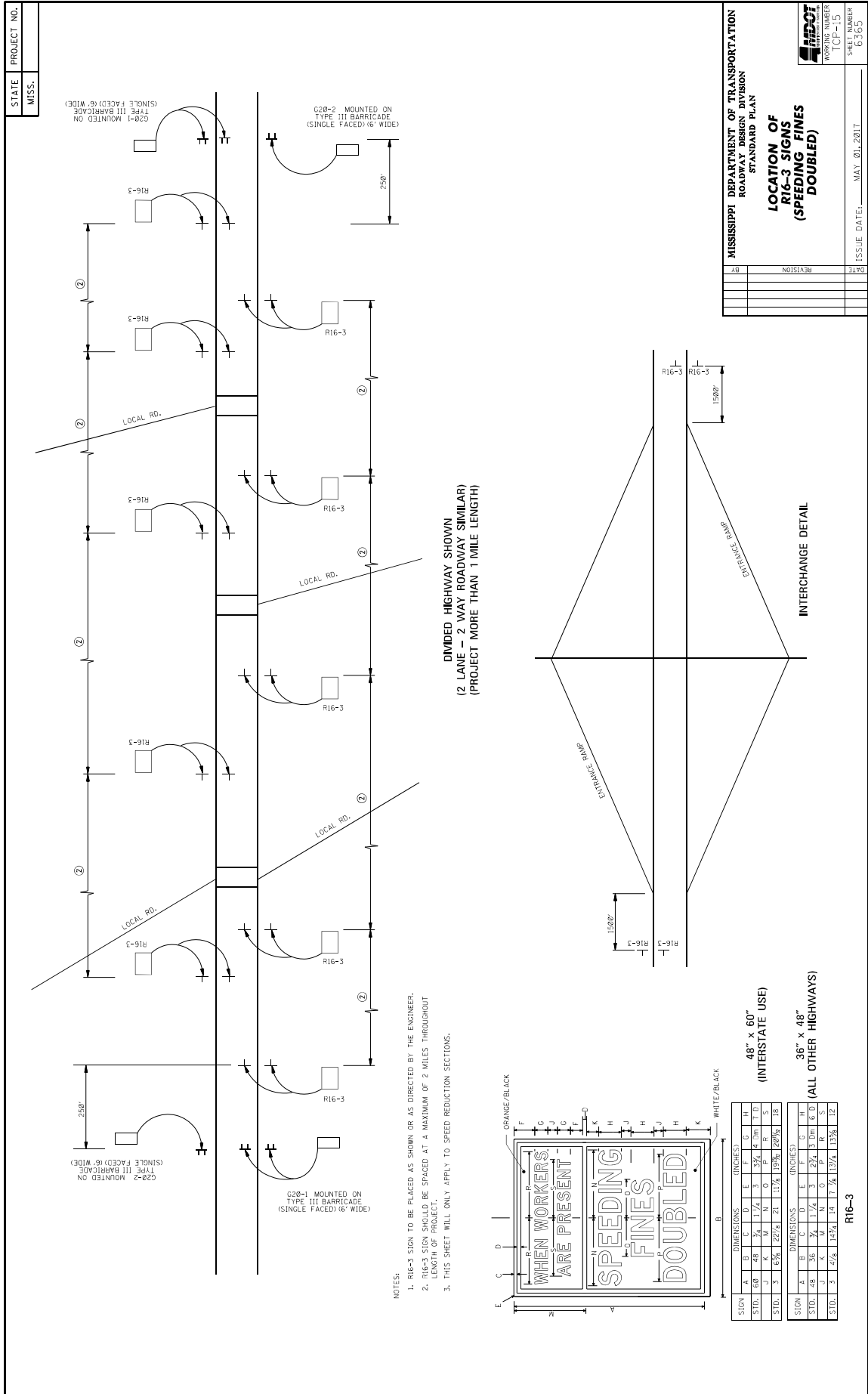
  

**NOTES:**

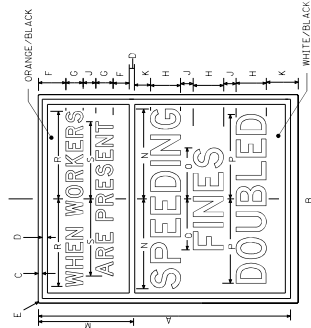
- CONSIDER EACH SEGMENT OF CONTINUOUS TWO-WAY LEFT TURN LANE SEPARATELY.
- IF SEGMENT IS LESS THAN 350', PLACE ONE SET OF ARROWS IN CENTER OF SEGMENT.
- IF SEGMENT IS GREATER THAN 350', PLACE FIRST SET OF ARROWS 50' TO 100' FROM BEGINNING AND/OR END OF SEGMENT AND SPACE ADDITIONAL SETS OF ARROWS @ 50' O.C.

**TYPICAL TWO-WAY ARROW INSTALLATION**

\*NOTE: USE DETAIL STRIPING IF LENGTH  $\leq$  600'. AT THIS LOCATION, OTHERWISE USE CONTINUOUS STRIPING.



- NOTES:
1. R16-3 SIGN TO BE PLACED AS SHOWN OR AS DIRECTED BY THE ENGINEER.
  2. R16-3 SIGN SHOULD BE SPACED AT A MAXIMUM OF 2 MILES THROUGHOUT LENGTH OF PROJECT.
  3. THIS SHEET WILL ONLY APPLY TO SPEED REDUCTION SECTIONS.




SIGN		DIMENSIONS (INCHES)																
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
STD.	6-0	48	36	1-1/4	5-1/4	4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4
STD.	3	1-5/8	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4	1-1/4

SIGN		DIMENSIONS (INCHES)																
A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
STD.	3	47/8	14 1/8	14	7 1/8	13 1/8	12	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8	1 1/8

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
ROADWAY DESIGN DIVISION  
STANDARD PLAN**

**LOCATION OF  
R16-3 SIGNS  
(SPEEDING FINES  
DOUBLED)**

  
 WORKING NUMBER  
 TCF-15  
 SHEET NUMBER  
 6-365

DATE	BY	REVISION

ISSUE DATE: MAY 01, 2017

STATE MISS.	PROJECT NO.	
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**TYPICAL SHOULDER CLOSURE**

(1) TO BE USED WITH EIGHT (8) FOOT OR GREATER WIDTH IMPROVED SHOULDER.  
(2) TO BE USED WHEN CONSTRUCTION VEHICLES (EQUIPMENT) ENDOUCHES ON OR WITHIN TWO (2) FEET OF THE SHOULDER BREAK.

**TYPICAL SHOULDER WORK #1**  
(SEE NOTE A-I THIS SHEET)

**TYPICAL SHOULDER WORK #2**

NOTE:  
WORK OUTSIDE TWO (2) FOOT AND WITHIN TEN (10) FEET OF THE SHOULDER BREAK MAY BE PROTECTED BY PLACING DRUMS ALONG THE SHOULDER EDGE 300 FEET PRIOR TO AND 50 FEET BEYOND THE WORK AREA, OR SEE NOTE A-3 THIS SHEET.

**DETAIL OF DRUM PLACEMENT AT PAVEMENT EDGE DROP-OFF**

GRANULAR MATERIAL REQUIRED (SAME CLASSIFICATION AS SHOULDER MATERIAL, SEE TYPICAL SECTIONS)

**NOTES:**

\* A. PAVEMENT EDGE DROP-OFF

1. IF LESS THAN TWO AND ONE QUARTER (2.25) INCHES-NO PROTECTION REQUIRED. PLACE A SHOULDER SIGN (W21-5) 500 FEET IN ADVANCE OF WORK ZONE SHOULDER AND A LOW SHOULDER SIGN (W8-9) AT THE BEGINNING AND THROUGHOUT THE WORK ZONE B (1538'+O.C.).
2. TWO AND ONE QUARTER TO THREE INCHES-PLACE DRUMS, VERTICAL PANELS OR BARRICADES EVERY 120 FEET ON TANGENT SECTIONS FOR SPEEDS OF 50 MILES PER HOUR OR GREATER. CONES MAY BE USED IN PLACE OF DRUMS, PANELS, AND BARRICADES DURING DAYLIGHT HOURS. FOR TANGENT SECTIONS WITH SPEEDS LESS THAN 50 MILES PER HOUR AND FOR CURVES, DEVICES SHOULD BE PLACED EVERY 50 FEET. SPACING FOR TAPERS SHOULD BE IN ACCORDANCE WITH THE MULTIPLIER  $L/3L$ , WHERE L IS THE TAPER LENGTH IN FEET.
3. GREATER THAN THREE (3) INCHES-POSITIVE SEPARATION OR WEDGE WITH 4:1 OR FLATTER SLOPE NEEDED. IF THERE IS EIGHT (8) FEET OR MORE DISTANCE BETWEEN THE EDGE OF TRAVEL LANE AND DROP-OFF, THEN DRUMS, PANELS OR BARRICADES MAY BE USED.
4. FOR TEMPORARY CONDITIONS, DROP-OFFS GREATER THAN THREE (3) INCHES MAY BE PROTECTED WITH DRUMS, VERTICAL PANELS OR BARRICADES FOR SHORT DISTANCES DURING DAYLIGHT HOURS WHILE WORK IS BEING DONE IN THE DROP-OFF AREA.
5. LESSER TREATMENTS THAN THOSE DESCRIBED ABOVE MAY BE CONSIDERED FOR LOW-VOLUME LOCAL STREETS.

**B. DRUM SPACING**

1. TANGENTS =  $2 \times S$
2. WHERE:
  - S = SPEED IN MPH (POSTED OR 85 PERCENTILE)
  - L = TAPER LENGTH IN FEET
  - W = WIDTH OF OFFSET IN FEET

**C. ALL TRAFFIC CONTROL ITEMS SHOWN ON THIS SHEET SHALL BE PAID FOR UNDER MAINTENANCE OF TRAFFIC.**

TABLE V-1 GUIDELINES FOR LENGTH OF LONGITUDINAL BUFFER SPACE

X * SPEED (MPH)	LENGTH (FEET)
25	35
30	45
35	55
40	65
45	75
50	85
55	95
60	105
65	115
70	125
75	135
80	145
85	155
90	165
95	175
100	185

\* \* POSTED SPEED, OFF-PEAK 85 PERCENTILE SPEED PRIOR TO WORK STARTING, OR THE ANTICIPATED OPERATING SPEED IN MPH.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**  
ROADWAY DESIGN DIVISION  
STANDARD PLAN

**TRAFFIC CONTROL DETAILS**  
**DRUM PLACEMENT**  
**SHOULDER CLOSURE**

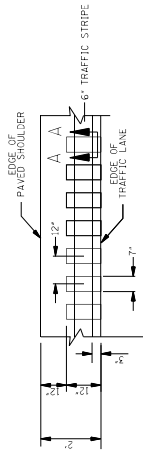
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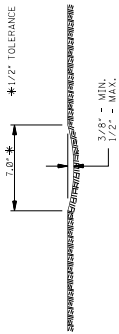
ISSUE DATE: MAY 01, 2017

STATE	PROJECT NO.
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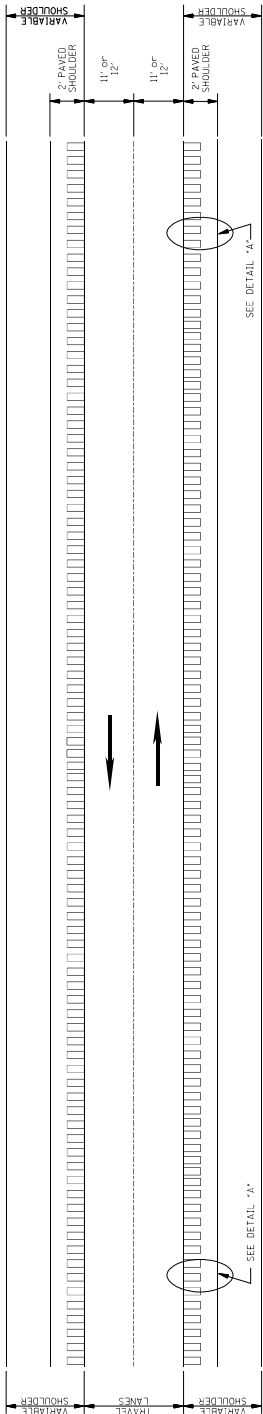
- GENERAL NOTES
- GROUND-IN RUMBLE STRIPES SHALL BE APPLIED ON LEFT AND RIGHT SHOULDERS OF ALL PAVED SHOULDERS ON THIS PROJECT.
  - GROUND-IN RUMBLE STRIPES SHALL BE APPLIED TO ALL PAVED SHOULDERS ON ROADWAYS OR OTHER INTERUPTIONS IN NORMAL SHOULDER WIDTH AS DIRECTED BY THE ENGINEER.
  - COST TO BE PAID FOR USING APPROPRIATE PAY ITEMS.
  - GROUND-IN RUMBLE STRIPES SHALL BE APPLIED TO:
    - MAINLINE
    - INTERSECTING ROADWAY IF OVERLAD OR RECONSTRUCTED BEYOND NORMAL MAINLINE R.O.W.
    - ANY ROADWAY WITH EXISTING RUMBLE STRIPES PRIOR TO CONSTRUCTION.
  - DO NOT USE WHERE TRAVEL LANE IS LESS THAN 11' WIDE.



DETAIL "A"



SECTION "A-A"



PLAN  
NOT TO SCALE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN	
<b>RUMBLE STRIPES 2-LANE HIGHWAYS (ASPHALT LANES, 2-FT ASPHALT SHOULDERS)</b>	
WORKING NUMBER RS-1	SHEET NUMBER 606-1
DATE	ISSUE DATE: MAY 21, 2017
BY	REVISION





**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SECTION 904 - NOTICE TO BIDDERS NO. 445**

**CODE: (SP)**

**DATE: 10/10/2017**

**SUBJECT: Mississippi Agent or Qualified Nonresident Agent**

Bidders are hereby advised of the requirements of Subsections 102.08, 103.05.2, and 107.14.2.1 of the *2017 Standard Specifications for Road and Bridge Construction* as it refers to bonding agents. Proposal guaranties, bonds, and liability insurance policies must be signed by a **Mississippi Agent or Qualified Nonresident Agent.**



**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SECTION 904 - NOTICE TO BIDDERS NO. 447**

**CODE: (SP)**

**DATE: 10/18/2017**

**SUBJECT: Traffic on Milled Surface in Rural Areas**

Bidders are hereby advised that when the main lanes of a roadway are fine milled, traffic will be allowed to run on a milled surfaces for up to seven (7) calendar days. The Contractor will be assessed a penalty of \$5,000 per calendar day afterwards until the milled surfaces are covered with the next lift of asphalt. It shall be the Contractor's responsibility to ensure that the milling operations do not commence until such time as forecasted weather conditions are suitable enough to allow the placement of the asphalt pavement after the milling operations.

## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 516

CODE: (IS)

DATE: 11/28/2017

SUBJECT: Errata and Modifications to the 2017 Standard Specifications

<u>Page</u>	<u>Subsection</u>	<u>Change</u>
16	102.06	In the seventh full paragraph, change “Engineer” to “Director.”
33	105.05.1	In the sixth sentence, change “Contract Administration Engineer” to “Contract Administration Director.”
34	105.05.2.1	In subparagraph 2, change “SWPPP, ECP” to “SWPPP and the ECP”
35	105.05.2.2	In subparagraphs 2, add “ and” to the end of the sentence. In subparagraph 3, remove “, and” and add “.”.
90	109.04.2	In the last paragraph of subparagraph (a), place a period “.” at the end of the sentence.
93	109.04.2	In the last paragraph of subparagraph (g), place a period “.” at the end of the sentence. Also, in the first paragraph of subparagraph (h), place a period “.” at the end of the sentence.
97	109.07	Under ADJUSTMENT CODE, subparagraph (A1), change “HMA mixture” to “Asphalt mixtures.”
98	109.11	In the third sentence, change “Engineer” to “Director.”
219	308.04	In the last sentence of the last paragraph, change “Contractor’s decision” to “Engineer’s decision.”
300	405.02.5.9	In the first sentence of the second paragraph, change “Hot Mix Asphalt” to “Asphalt Mixtures.”
502	630.01.1	In the first paragraph, change “ <u>AASHTO</u> ” to “ <u>AASHTO’s LRFD</u> ”.
636	646.05	Change “each” to “per each” for the pay item units of payment.
640	656.02.6.2	In item 7), change “down stream” to “downstream”.
688	630.03.2	Change the subsection number from “630.03.2” to “680.03.2.”

725      702.08.3      In the second sentence of the first paragraph, change “hot-mix” to “asphalt.”

954      804.02.13.1.6      In the definition for “M” in the % Reduction formulas, change “paragraph 7.3” to “paragraph 5.3.”

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SECTION 904 - NOTICE TO BIDDERS NO. 1206**

**CODE: (SP)**

**DATE: 10/16/2018**

**SUBJECT: MASH Compliant Devices**

Bidders are hereby advised that the Standard Specifications may require certain traffic control and permanent safety hardware devices to meet the requirements of the Manual for Assessing Safety Hardware (MASH). However, devices meeting the requirements of NCHRP Report 350 will be allowed until the mandatory effective date for MASH compliance. The following table shows the effective dates for MASH compliant devices.

<b>Device</b>	<b>Effective Date for MASH Compliance</b>
W-beam barriers, cast-in-place concrete barriers	December 31, 2017
W-beam terminals - non-flared	June 30, 2018
Crash cushions	December 31, 2018
Cable barriers, cable barrier terminals, bridge rails, transitions, all other longitudinal barriers including portable barriers installed permanently, W-beam terminals - flared, all other terminals, sign supports, all other breakaway hardware	December 31, 2019

Temporary work zone devices, including portable barriers manufactured after December 31, 2019, must have been successfully tested to the 2016 Edition of MASH. Such devices manufactured on or before this date and successfully tested to NCHRP Report 350 or the 2009 Edition of MASH may continue to be used throughout their normal service lives.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SECTION 904 - NOTICE TO BIDDERS NO. 1226**

**CODE: (SP)**

**DATE: 11/16/2018**

**SUBJECT: Material Storage Under Bridges**

Bidders are advised that Subsection 106.08 of the Standard Specifications allows the Contractor to store materials and equipment on portions of the right-of-way. However, the Contractor will not be allowed to store or stockpile materials under bridges without written permission from the Project Engineer. The Contractor shall submit a detailed request of all proposed materials to be stored under bridges to the Engineer a minimum of 14 calendar days prior to anticipated storage. This detail shall include, but not limited to, bridge location, material type, material quantity, and duration of storage. The Project Engineer and any other needed Division will review this information and determine whether to grant approval. The Contractor shall not store any material under any bridge without written approval from the Project Engineer.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SECTION 904 - NOTICE TO BIDDERS NO. 1241**

**CODE: (SP)**

**DATE: 11/27/2018**

**SUBJECT: Fuel and Material Adjustments**

Bidder's attention is brought to the last paragraph of Subsection 109.07 of the Standard Specifications which states that no fuel or material adjustment will be made after the completion of contract time. Any fuels consumed or materials incorporated into the work during the monthly estimate period falling wholly after the expiration of contract time will not be subject a fuel or material adjustment.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SECTION 904 - NOTICE TO BIDDERS NO. 1451**

**CODE: (SP)**

**DATE: 03/25/2019**

**SUBJECT: Contract Time**

**PROJECT: MP-5013-40(006) / 306659301, MP-5500-40(003) / 306659302, &  
MP-5487-40(015) / 306659303 - Leake County**

The completion of work to be performed by the Contractor for this project will not be a specified date but shall be when all allowable working days are assessed, or any extension thereto as provided in Subsection 108.06. It is anticipated that the Notice of Award will be issued no later than be **May 14, 2019** and the effective date of the Notice to Proceed / Beginning of Contract Time will be **July 1, 2019**.

**AN EARLY NOTICE TO PROCEED / BEGINNING OF CONTRACT TIME WILL NOT BE ALLOWED ON THIS PROJECT.**

**43** Working Days have been allowed for the completion of work on this project.

## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**SECTION 904 – NOTICE TO BIDDERS NO. 1452**

**CODE: (SP)**

**DATE: 03/26/2019**

**SUBJECT: Scope of Work**

**PROJECT: MP-5013-40(006) / 306659301, MP-5500-40(003) / 306659302, &  
MP-5487-40(015) / 306659303 -- Leake County**

The contract documents do not include an official set of plans, but may by reference include some Standard Drawings or Special Drawings. All other references to plans in the contract documents and Standard Specifications for Road and Bridge Construction are to be disregarded.

Work on this project shall consist of the following:

Milling and overlaying approximately 1.1 miles of existing SR 13 from the southern corporate limits for the Town of Lena (BOP) to the northern corporate limits for the Town of Lena (EOP); milling and overlaying approximately 1.1 miles of SR 500 from the intersection of SR 13 and SR 500 (BOP) to the northern corporate limits for the Town of Lena (EOP); and milling and overlaying approximately 0.9 miles of SR 487 from the intersection of SR 13 and SR 487 (BOP) to the northern corporate limits of the Town of Lena (EOP) in Leake County.

The existing pavement of SR 13 consists of approximately 6" to 6½" of asphalt over 5" to 6" of granular material with 11-foot lanes and variable width shoulders. The existing pavement of SR 487 consists of approximately 4½" to 6" and variable of asphalt over six inches (6") of granular material with 10-foot lanes and 3-foot & variable shoulders. The existing pavement of SR 500 consists of approximately 3½" to 4" of asphalt over six inches (6") of granular material with 10-foot lanes and 3-foot & variable shoulders.

Construction signage shall be installed as per the detail sheets included prior to the beginning of work.

The existing asphalt roadway shall be milled 1½" and overlaid with 12.5-mm, ST, Asphalt Pavement. The centerline shall be overlaid 2½" at the centerline and 1¼" at the outside edges.

The parking areas located on SR 13 through the Town of Lena shall be milled 1½" and overlaid with 1½" & variable of 12.5-mm, ST, Asphalt Pavement. Some parking areas contain curbs and/or sidewalks. The finished parking surface should be 2"± below the curb/sidewalk line to prevent water from jumping the curb. The Contractor shall coordinate with the local businesses to minimize disruptions of parking traffic and customer access.

Failed areas shall be repaired full depth with 12.5-mm, ST, Asphalt Pavement, Leveling in advance of milling and paving operations.



Traffic on the milled surface shall be limited to five (5) days on SR 13. Traffic on the milled surface shall be limited to two (2) days on SR 487 and SR 500. The Contractor will be assessed a penalty of **\$5,000 per calendar day** afterwards until the milled surfaces are covered with the next lift of asphalt.

Local public roads shall be milled 1½" and overlaid with 2" of 12.5-mm, ST, Asphalt Pavement to the end of the existing asphalt pavement, end of MDOT maintenance, or to right-of-way or as directed. Where a minimum of five feet (5') of shoulder width can be paved at the beginning of local road radii, a 100-foot asphalt taper shall be constructed. Said taper shall be six inches (6") thick and placed in two 3-inch lifts of 12.5-mm, ST, Asphalt Pavement conforming to the detail drawings.

Temporary pavement markings shall be placed at the end of each day's paving operations and prior to opening the road to traffic. Permanent pavement markings shall be constructed after completion of all paving operations.

Permanent raised pavement markers shall be installed on mainline and local public roads after completion of all paving operations.

The face of all existing undisturbed bituminous curbs shall be painted with at least two (2) coats of white traffic paint with glass beads being required in the top coat. The cost associated with the painting of new or existing curb is to be included in other items bid.

Class 5 Group C granular material shall be used to bring roadway shoulders to grade. It is not anticipated that the granular material will be required throughout the length of the project but only in areas deficient of shoulder material and as directed.

Temporary Portable Rumble Strips, as described in Special Provision No. 907-619, shall be used in advance of each lane closure. Payment shall be made under pay item 907-619-B: Temporary Portable Rumble Strips. At the conclusion of the project, MDOT will take possession of the temporary portable rumble strips used for the project

#### **GENERAL NOTES**

Milling and paving operations shall be performed such that a -2% slope from centerline is provided in normal crown roadway sections. Superelevation through curves shall be maintained as it currently exists or improved as directed.

Temporary asphalt joints (aka paper joints) shall be constructed at the end of each day's milling operations where the milled surface joins the existing asphalt pavement surface. Paper joints shall be a minimum of nine feet (9') in length and for the full width of the milled surface. Paper joints shall be adequately maintained.

The Contractor is responsible for providing shoulder drainage outlets as applicable in milled areas. Payment for these outlets shall be included in the bid price for the milling of bituminous pavement.

The reclaimed asphalt pavement (RAP) material removed by the milling operation shall become the property of the Contractor.

Existing asphalt/concrete driveway connections shall be milled or removed and replaced with new asphalt connections.

Potholes that may exist or occur in the existing pavement are to be patched in a timely manner. Patching of potholes shall be considered an absorbed item.

Where applicable the existing shoulders are to be raised to match the new pavement elevation by placing variable depth Class 5 Group C granular material on the existing shoulders. Placement of the granular material on the finished asphalt course shall not be permitted. The material shall be bladed, rolled, and compacted to a finished slope of four percent (4%). Placement of this material shall be performed to provide a uniform and compacted shoulder with a minimum depth and width of material placed. Shoulders with adequate shoulder material in place shall be bladed to a slope of four percent (4%). The cost of blading will be included in the price of other items bid.

Removal of the existing shoulder material shall be coincident with the milling/overlaying operation to prevent the possible ponding of water. No payment will be made for blading or removal of the existing shoulder material. Any material excavated from the existing shoulder shall be used to raise the existing shoulder to match the new pavement elevation and any surplus material shall be spread along the edge of the shoulders, fore slopes, or other adjacent areas as directed by the Engineer and will be an absorbed item. Material which cannot be placed in adjacent areas and deemed to be excess excavations by the Engineer will be an absorbed item.

Temporary stripe will be required immediately after milling and overlaying and prior to opening the area to traffic. Temporary stripe is to be placed in the same location and layout as permanent stripe.

All permanent striping will be thermoplastic. The width of the permanent stripe will be six inches (6").

The Contractor shall erect and maintain construction signing, and provide and maintain all temporary signs and traffic control devices necessary to safely conduct traffic through the work area in accordance with the Traffic Control Plan and the MUTCD.

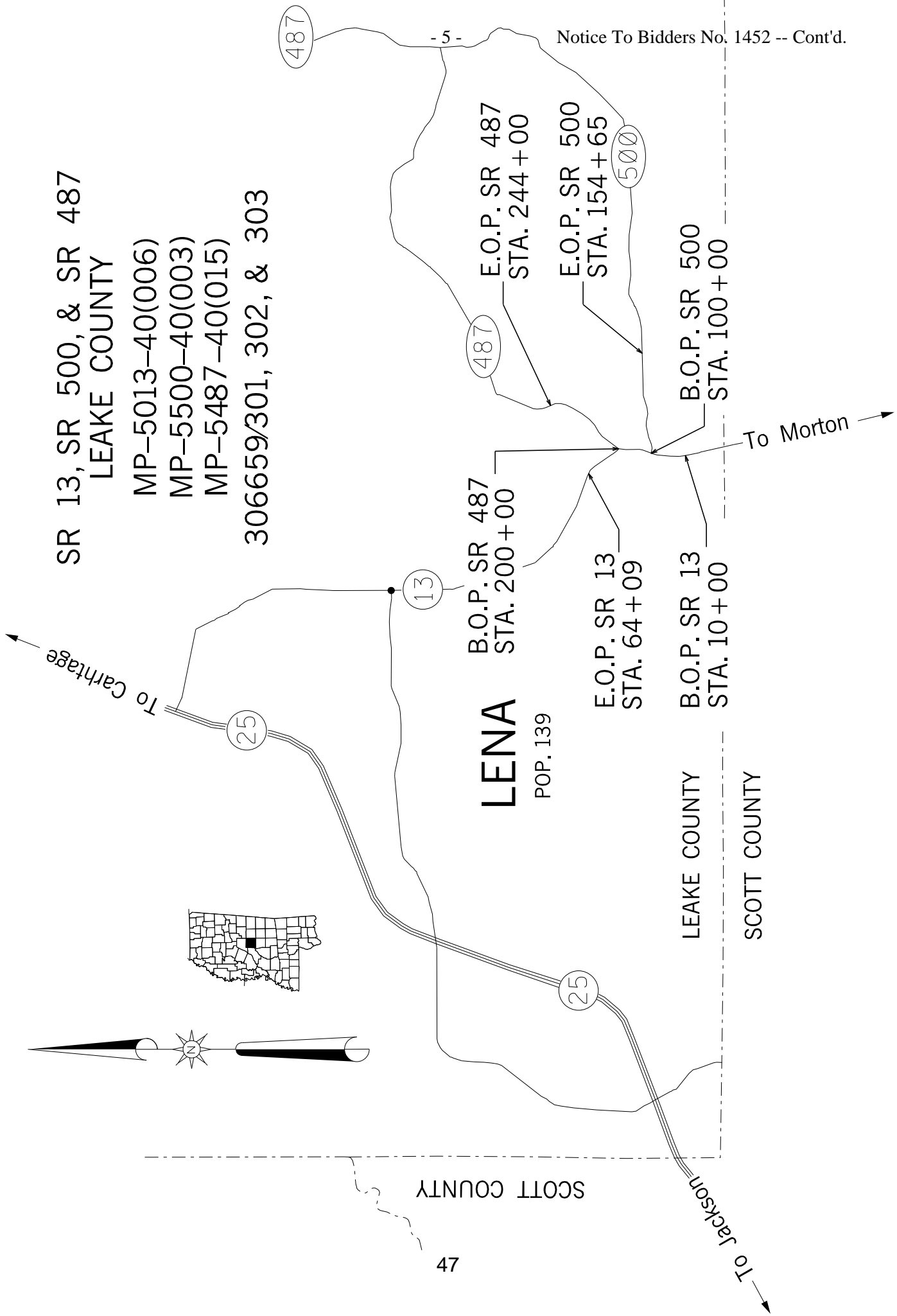
All traffic control devices shall meet current MDOT and MUTCD requirements.

The Contractor shall on a daily basis, remove all debris from within the roadway and a 30-foot clear zone which, in the opinion of the Engineer, is a hazard to the traveling public. This activity shall begin with the beginning of work or the beginning of the contract time, whichever comes first. No direct payment will be made for the debris removal. The cost is to be included in the prices of other items bid. Failure of the Contractor to remove debris as prescribed herein shall be just cause for withholding the monthly progress estimate payment or suspending active operations until the debris is satisfactorily removed by the Contractor. As described in the applicable Notice-

To-Bidders, final project cleanup is required and will be completed prior to the scheduling of the final inspection.

It shall be the responsibility of the Contractor to protect existing structures such as pipes, aprons, signs, utilities, etc. from damage occurring as a result of construction activities. 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 replacements and or repairs resulting from such damages.

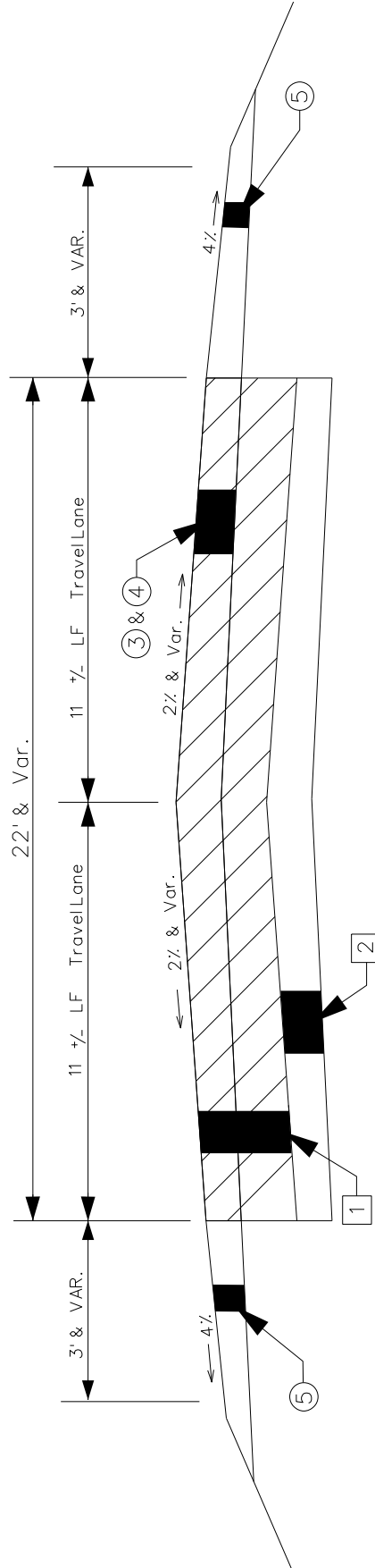
SR 13, SR 500, & SR 487  
 LEAKE COUNTY  
 MP-5013-40(006)  
 MP-5500-40(003)  
 MP-5487-40(015)  
 306659/301, 302, & 303



# SR 13 - LEAKE COUNTY TYPICAL SECTION - MILL & OVERLAY

STATIONS: 10+00 - 30+33

STATIONS: 43+00 - 64+09



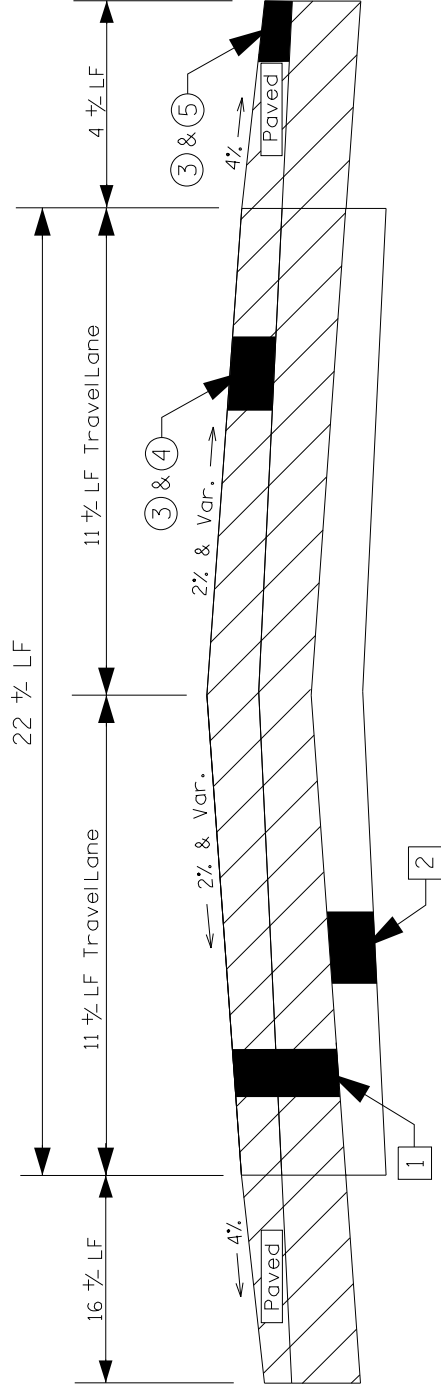
EXISTING

PROPOSED

- ① 6"-6 1/2" Existing, Thickness based on Core Evaluation
- ② 5"-6" Granular Material
- ③ 1 1/2" Milling (Correct to 2% Normal Crown or SE)
- ④ Overlay with 12.5mm, ST, Asphalt Pavement. 2 1/2" at centerline and 1 3/4" at outside edges.
- ⑤ Granular Material (Class 5 Group C) 1 1/2" and Var.

NOTE 1: Prior to overlay, Repair any failed areas full depth with 12.5mm, ST, Asphalt Pavement, Leveling.

SR 13 - LEAKE COUNTY  
 TYPICAL SECTION - MILL & OVERLAY  
 STATIONS: 30+33 - 32+00



EXISTING

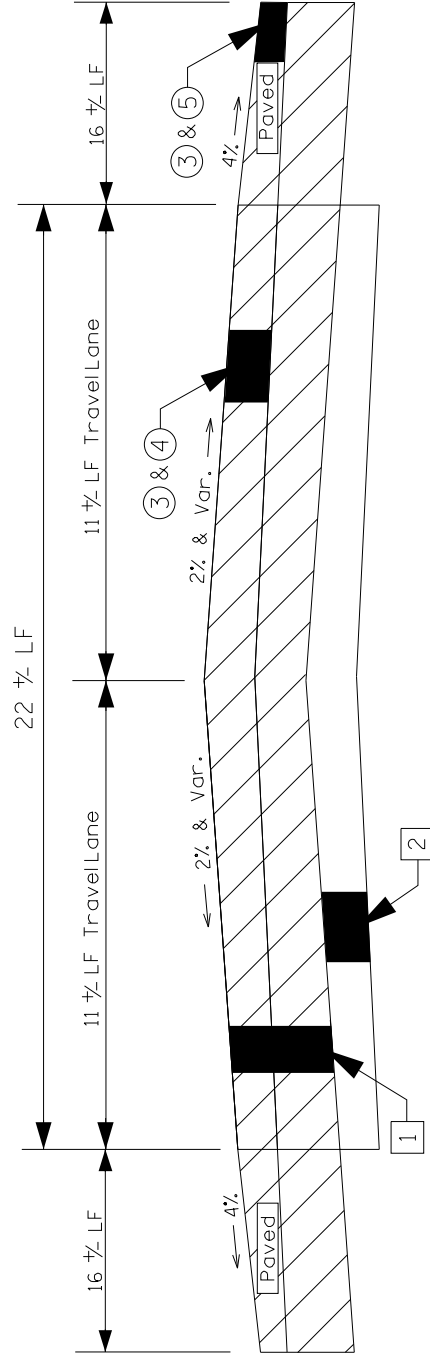
PROPOSED

- 1 6"-6 1/2" Existing Thickness based on Core Evaluation
- 2 5"-6" Granular Material

- 3 1 1/2" Milling (Correct to 2% Normal Crown or SE)
- 4 Overlay with 12.5mm, ST, Asphalt Pavement. 2 1/2" at centerline and 1 3/4" at outside edges.
- 5 Overlay with 1 1/2" and variable 12.5 mm, ST, Asphalt Pavement

NOTE 1: Prior to overlay, Repair any failed areas full depth with 12.5mm, ST, Asphalt Pavement, Leveling.

SR 13 - LEAKE COUNTY  
 TYPICAL SECTION - MILL & OVERLAY  
 STATIONS: 32+00 - 35+50



EXISTING

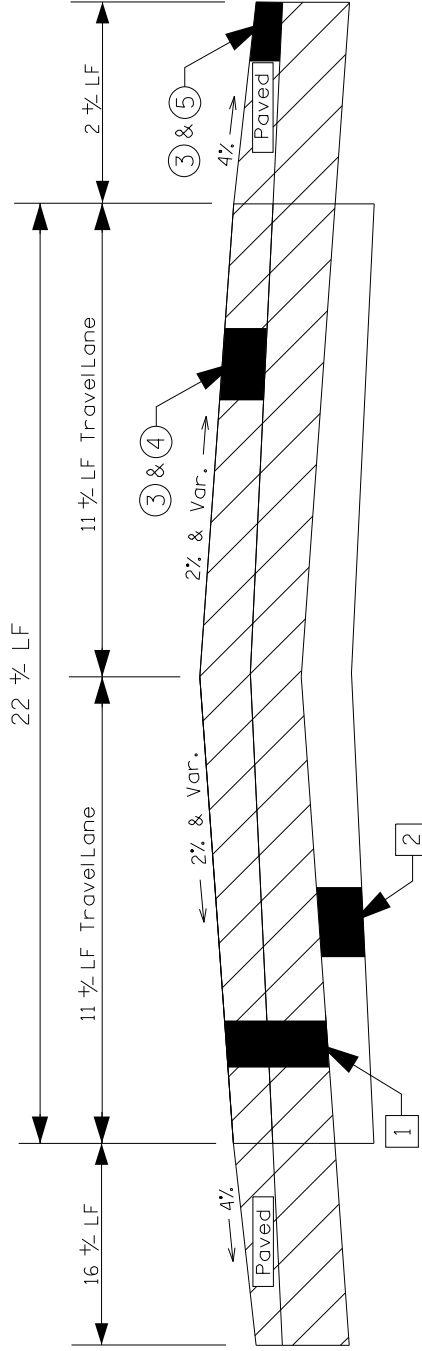
PROPOSED

- 1 6"-6 1/2" Existing Thickness based on Core Evaluation
- 2 5"-6" Granular Material

- 3 1 1/2" Milling (Correct to 2% Normal Crown or SE)
- 4 Overlay with 12.5mm, ST, Asphalt Pavement, 2 1/2" at centerline and 1 3/4" at outside edges.
- 5 Overlay with 1 1/2" and variable 12.5 mm, ST, Asphalt Pavement.

NOTE 1: Prior to overlay, Repair any failed areas fulldepth with 12.5mm, ST, Asphalt Pavement, Leveling.

SR 13 - LEAKE COUNTY  
 TYPICAL SECTION - MILL & OVERLAY  
 STATIONS: 35+50 - 43+00



EXISTING

- 1 6"-6 1/2" Existing Thickness based on Core Evaluation
- 2 5"-6" Granular Material

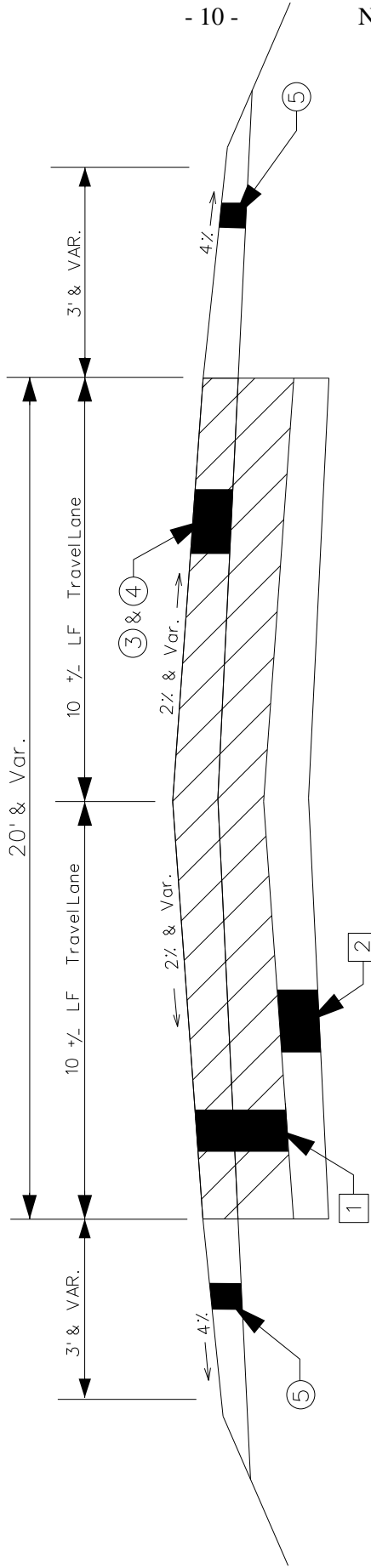
PROPOSED

- 3 1 1/2" Milling (Correct to 2% Normal Crown or SE)
- 4 Overlay with 12.5mm, ST, Asphalt Pavement. 2 1/2" at centerline and 1 3/4" at outside edges.
- 5 Overlay with 1 1/2" and variable 12.5 mm, ST, Asphalt Pavement.

NOTE 1: Prior to overlay, Repair any failed areas full depth with 12.5mm, ST, Asphalt Pavement, Leveling.



SR 500 - LEAKE COUNTY  
 TYPICAL SECTION - MILL & OVERLAY  
 STATIONS: 100+00 - 154+65



EXISTING

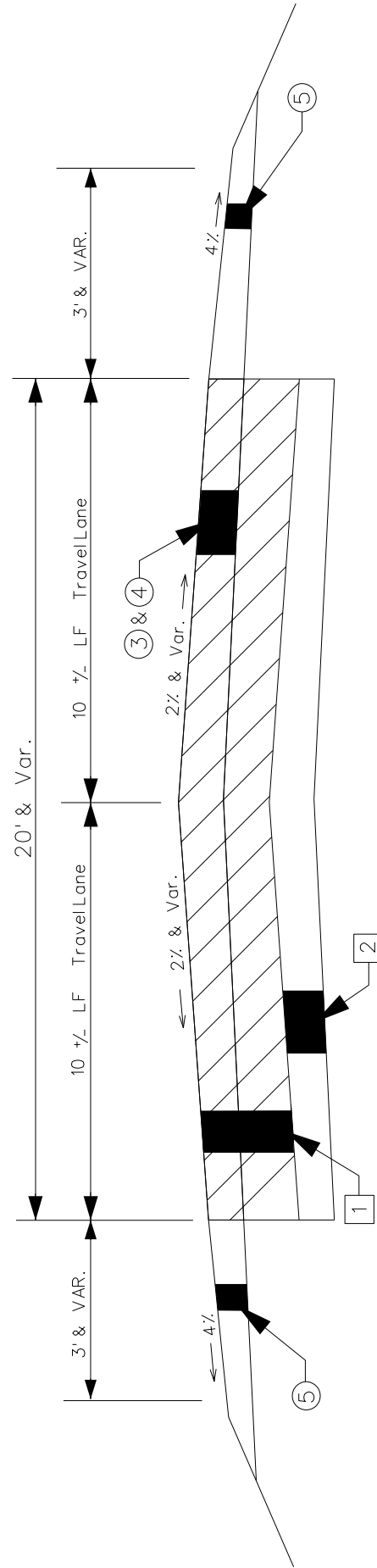
PROPOSED

- 1 3 1/2"-4" Existing. Thickness based on Core Evaluation
- 2 6" Granular Material

- 3 1 1/2" Milling (Correct to 2% NormalCrown or SE)
- 4 Overlay with 12.5mm, ST, Asphalt Pavement. 2 1/2" at centerline and 1 3/4" at outside edges.
- 5 Granular Material (Class 5 Group C) 1 1/2" and Var.

NOTE 1: Prior to overlay, Repair any failed areas fulldepth with 12.5mm, ST, Asphalt Pavement, Leveling.

SR 487 - LEAKE COUNTY  
 TYPICAL SECTION - MILL & OVERLAY  
 STATIONS: 200+00 - 244+00



EXISTING

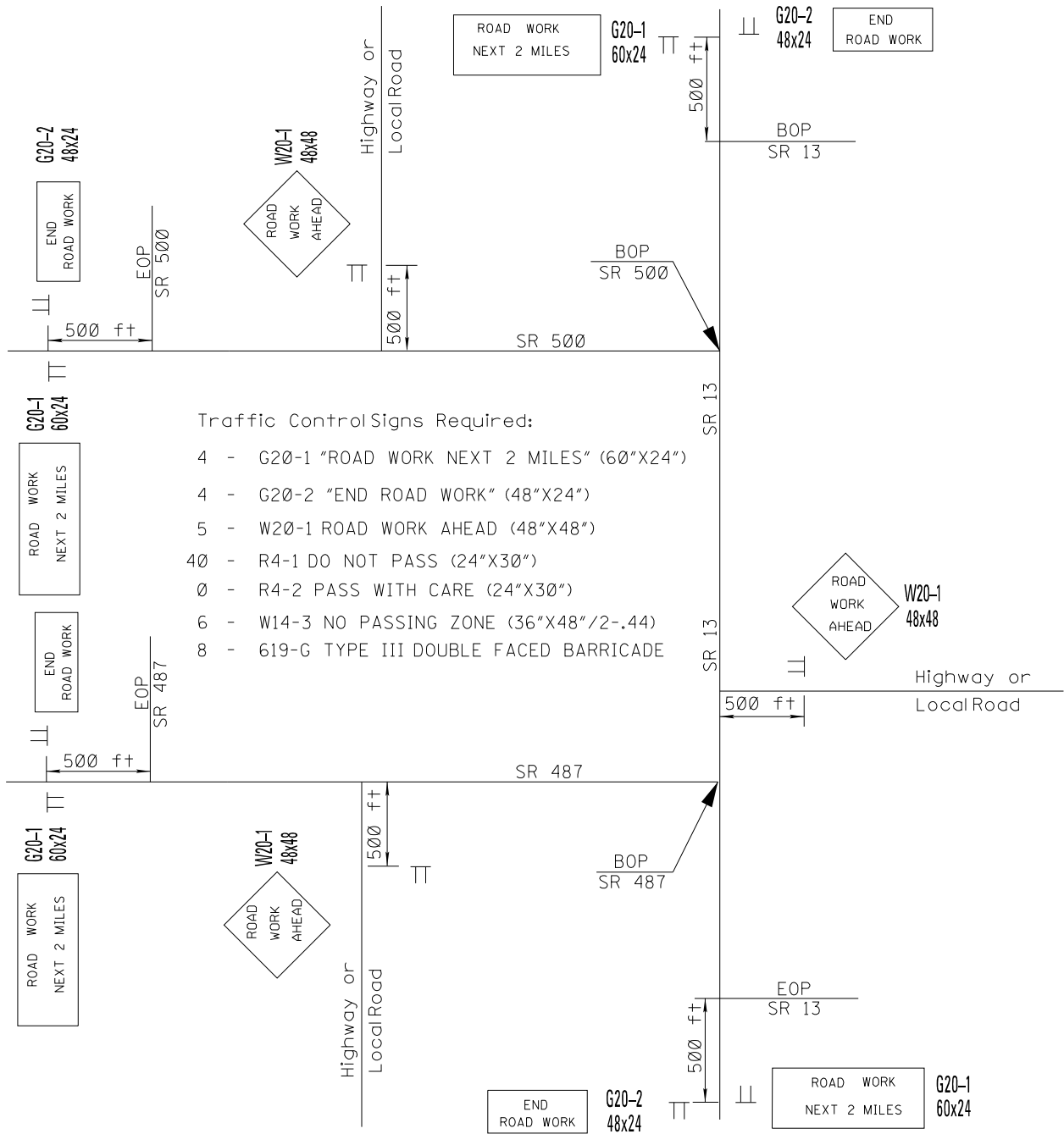
- 1 4 1/2"-6" Existing Thickness based on Core Evaluation
- 2 5"-6" Granular Material

PROPOSED

- 3 1/2" Milling (Correct to 2% Normal Crown or SE)
- 4 Overlay with 12.5mm, ST, Asphalt Pavement. 2 1/2" at centerline and 1 3/4" at outside edges.
- 5 Granular Material (Class 5 Group C) 1 1/2" and Var.

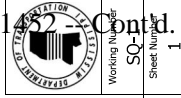
NOTE 1: Prior to overlay, Repair any failed areas full depth with 12.5mm, ST, Asphalt Pavement, Leveling.

# SR 13, 500 & 487 - LEAKE COUNTY CONSTRUCTION SIGNING



- NOTES: ① One (1) W20-1 "ROAD WORK AHEAD" Sign is Required at each Local Road, Street or Highway Entering the Project.
- ② G20-1 and G20-2 signs mounted on 6 ft Type III Double Faced Barricade.
- ③ R4-1 "DO NOT PASS", R4-2 "PASS WITH CARE", and W14-3 "NO PASSING ZONE" signs are required in accordance with Subsection 618.03.3 and as specified in the MUTCD. If No Passing zones are 1000 ft or more, install additional "DO NOT PASS" signs on maximum spacing of 750 ft.
- ④ Placement of W20-1 signs on intersecting roads may vary from typical shown as conditions warrant.

STATE	MISS
PROJECT NO.	MP-5013-40(006)



**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**  
**SUMMARY OF QUANTITIES**

Working Paper  
 PROJ NO: MP-5013-40(006)  
 COUNTY: LEAKE

Cont'd.  
 Sheet Number  
 1

Design Team  
 Checked  
 Date

**SUMMARY OF QUANTITIES (SHEET 1)**

PAY ITEM NO.	PAY ITEM	UNIT	LEAKE : 306659-301000	
			Prelim	Final
202-B009	Removal of Asphalt Pavement, Failed Areas	SY	64	
203-G001	Excess Excavation, FM, AH	CY	50	
304-A004	Granular Material, LVM, Class 5, Group C	CY	50	
403-A003	12.5-mm, ST, Asphalt Pavement	TON	2,300	
403-B003	12.5-mm, ST, Asphalt Pavement, Levelling	TON	22	
406-D001	Fine Milling of Bituminous Pavement, All Depths	SY	18,400	
407-A001	Asphalt for Tack Coat	GAL	1,840	
503-C010	Saw Cut, Full Depth	LF	134	
618-A001	Maintenance of Traffic	LS	1	
619-A1001	Temporary Traffic Stripe, Continuous White	MI	4	
619-A2001	Temporary Traffic Stripe, Continuous Yellow	MI	6	
619-A4001	Temporary Traffic Stripe, Skip Yellow	LF	159	
619-A5001	Temporary Traffic Stripe, Detail	LF	1,540	
619-A6001	Temporary Traffic Stripe, Legend	SF	524	
907-619-B001	Temporary Portable Rumble Strips	LF	66	
619-D1001	Standard Roadside Construction Signs, Less than 10 Square Feet	SF	113	
619-D2001	Standard Roadside Construction Signs, 10 Square Feet or More	SF	52	
619-G4001	Barricades, Type III, Double Faced	LF	16	
620-A001	Mobilization	LS	1	
626-C002	6" Thermoplastic Double Drop Edge Stripe, Continuous White	MI	2	
626-D002	6" Thermoplastic Double Drop Traffic Stripe, Skip Yellow	LF	53	
626-E001	6" Thermoplastic Double Drop Traffic Stripe, Continuous Yellow	MI	2	
626-G001	Thermoplastic Detail Stripe, Blue-ADA	LF	300	
626-G004	Thermoplastic Double Drop Detail Stripe, White	LF	600	
626-G005	Thermoplastic Double Drop Detail Stripe, Yellow	LF	170	
907-626-H001	Thermoplastic Legend, Blue-ADA Handicap Symbol	EA	1	
626-H001	Thermoplastic Double Drop Legend, White	SF	262	
627-1001	Two-Way Clear Reflective High Performance Raised Markers	EA	36	
627-L001	Two-Way Yellow Reflective High Performance Raised Markers	EA	140	

SR 13 FAILED AREA LOCATIONS									
LOCATION	STA.	TO	STA.	LENGTH (FT)	WIDTH (FT)	AREA (SF)	202-B009 REMOVAL OF ASPHALT, FAILED AREAS (SY)	503-C010 SAW CUT, FULL DEPTH (LF)	403-B003 12.5MM, ST, ASPHALT PAVEMENT, LEVELING (TONS)
LT LANE	25+33		25+41	8	6	48	5	20	2
RT LANE	30+43		30+61	18	7	126	14	32	5
LT LANE	46+00		46+58	58	6	348	39	70	13
						<b>Total =</b>	58	122	20
						<b>Total =</b>	6	12	2

**Additional Quantities To Be Used As Directed By The Engineer:**  
 Note: Locations and Measurements are Approximate and may Vary With Field Conditions  
**DEPTH = Variable**

SR 500 FAILED AREA LOCATIONS									
LOCATION	STA.	TO	STA.	LENGTH (FT)	WIDTH (FT)	AREA (SF)	202-B009 REMOVAL OF ASPHALT, FAILED AREAS (SY)	503-C010 SAW CUT, FULL DEPTH DEPTH (LF)	403-B003 12.5MM, ST, ASPHALT PAVEMENT, LEVELING (TONS)
RT LANE	121+25		121+37	12	2	24	3	16	1
LT LANE	121+40		122+10	70	5	350	39	80	13
						<b>Total =</b>	39	80	13
						<b>Total =</b>	4	8	1

**Additional Quantities To Be Used As Directed By The Engineer:**  
 Note: Locations and Measurements are Approximate and may Vary With Field Conditions  
**DEPTH = Variable**

SR 500 FAILED AREA LOCATIONS									
LOCATION	STA.	TO STA.	BASE 1 (FT)	BASE 2 (FT)	HEIGHT (FT)	AREA (SF)	202-B009 REMOVAL OF ASPHALT, FAILED AREAS (SY)	503-C010 SAW CUT, FULL DEPTH (LF)	403-B003 12.5MM, ST, ASPHALT PAVEMENT, LEVELING (TONS)
RT & LT LANES	100+00		110	27	36	2,466	274	164	92
						<b>Total =</b>	274	164	92
						<b>Total =</b>	27	16	9

Note: Locations and Measurements are Approximate and may Vary With Field Conditions

**DEPTH = Variable**

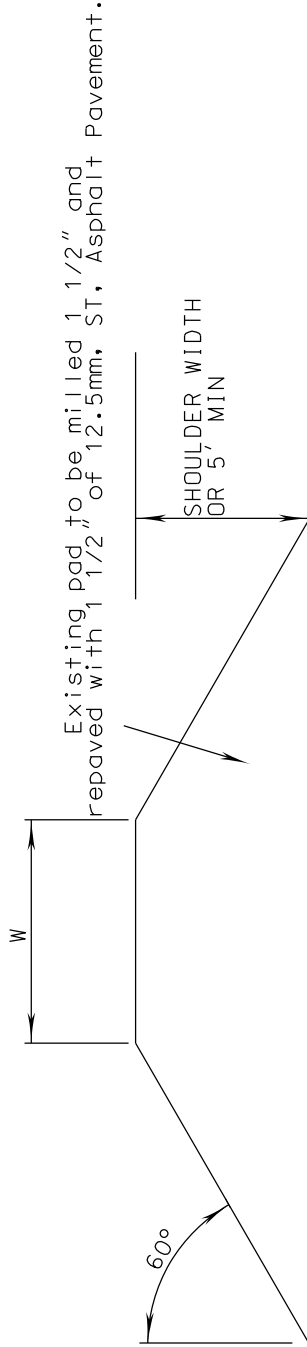
SR 487 FAILED AREA LOCATIONS									
LOCATION	STA.	TO	STA.	LENGTH (FT)	WIDTH (FT)	AREA (SF)	202-B009 REMOVAL OF ASPHALT, FAILED AREAS (SY)	503-C010 SAW CUT, FULL DEPTH (LF)	403-B003 12.5MM, ST, ASPHALT PAVEMENT, LEVELING (TONS)
RT & LT LANE	229+13		229+25	12	23	276	31	70	10
RT & LT LANE	229+61		229+78	17	23	391	43	80	15
RT LANE	241+67		242+37	70	7	490	54	84	18
						<b>Total =</b>	129	234	43
						<b>Total =</b>	13	23	4

**Additional Quantities To Be Used As Directed By The Engineer:**  
 Note: Locations and Measurements are Approximate and may Vary With Field Conditions  
**DEPTH = Variable**



LEAKE COUNTY  
SR 13, 500, & 878

DRIVEWAY PAD DETAIL



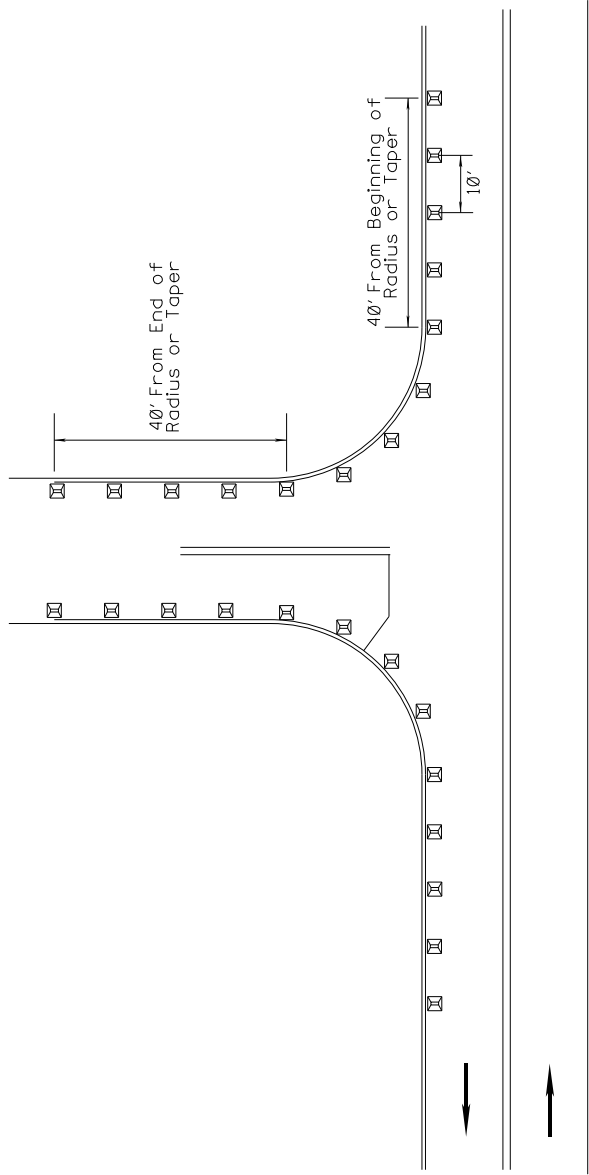
MAINLINE PAVEMENT

W = 16', MAX RESIDENTIAL  
W = 30' -50' COMMERCIAL

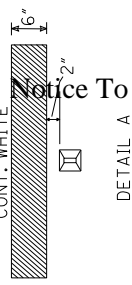
NOTE:

THE ASPHALT ON THE EXISTING DRIVEWAY/RAMP PADS ARE TO REMAIN IN THEIR CURRENT SIZE AND LOCATION AND MILLED/OVERLAID. IF, IN THE OPINION OF THE ENGINEER, A PAD SHOULD BE MODIFIED OR REPLACED, PAYMENT WILL BE MADE FOR THE WORK USING THE APPROPRIATE PAY ITEMS. GRANULAR MATERIAL AND/OR STABILIZER AGGREGATE SHOULD BE PLACED AROUND THE PADS AS REQUIRED.

# SR 13, 500, & 487 - LEAKE COUNTY RAISED PAVEMENT MARKERS



- 19 -



DETAIL A

- NOTE 1: MARKERS SHALL BE PLACED EVERY 10 FEET.
- NOTE 2: MARKERS SHALL BE VISIBLE FROM THE TRAVELING MOTORIST ON STATE DESIGNATED HIGHWAYS.
- NOTE 3: MARKERS SHALL BE HIGH PERFORMANCE TWO WAY CLEAR.
- NOTE 4: FIVE (5) MARKERS SHALL BE PLACED ALONG MAINLINE EDGE STRIPE.
- NOTE 5: MARKERS FOR COUNTY ROADS SHALL CONTINUE DOWN THE EDGE STRIPE A DISTANCE OF 40 FEET.
- NOTE 6: MARKERS SHALL NOT BE ROTATED WHEN BEING PLACED ALONG RADIUS OF LOCAL ROAD.


DIRECTION OF TRAFFIC  
→

<b>MISSISSIPPI DEPARTMENT OF TRANSPORTATION</b>	
2-LANE, 2-WAY	
2-WAY CLEAR RAISED PAVEMENT MARKERS PLACED ON SIDE ROADS	
PROJECT NO.	WORKING NUMBER
COUNTY :	SRPMSR-2
FILENAME: SPASIDERDRPMDGN	SHEET NUMBER
DESIGN TEAM	\$ P C \$
DATE	DATE
BY	REVISION

STATE	MISS
PROJECT NO.	MP-5500-40(003)

**SUMMARY OF QUANTITIES (SHEET 1)**


PAY ITEM NO.	PAY ITEM	UNIT	LEAKE : 306659-302000	
			Prelim	Final
202-B009	Removal of Asphalt Pavement, Failed Areas	SY	344	
203-G001	Excess Excavation, FM, AH	CY	50	
304-A004	Granular Material, LVM, Class 5, Group C	CY	50	
403-A003	12.5-mm, ST, Asphalt Pavement	TON	1,775	
403-B003	12.5-mm, ST, Asphalt Pavement, Levelling	TON	115	
406-D001	Fine Milling of Bituminous Pavement, All Depths	SY	14,070	
407-A001	Asphalt for Tack Coat	GAL	1,407	
503-C010	Saw Cut, Full Depth	LF	268	
618-A001	Maintenance of Traffic	LS	1	
619-A1001	Temporary Traffic Stripe, Continuous White	MI	6	
619-A2001	Temporary Traffic Stripe, Continuous Yellow	MI	9	
619-A5001	Temporary Traffic Stripe, Detail	LF	1,320	
619-A6001	Temporary Traffic Stripe, Legend	SF	88	
907-619-B001	Temporary Portable Rumble Strips	LF	66	
619-D1001	Standard Roadside Construction Signs, Less than 10 Square Feet	SF	100	
619-D2001	Standard Roadside Construction Signs, 10 Square Feet or More	SF	42	
619-G4001	Barricades, Type III, Double Faced	LF	8	
620-A001	Mobilization	LS	1	
626-C002	6" Thermoplastic Double Drop Edge Stripe, Continuous White	MI	3	
626-E001	6" Thermoplastic Double Drop Traffic Stripe, Continuous Yellow	MI	3	
626-G004	Thermoplastic Double Drop Detail Stripe, White	LF	440	
626-G005	Thermoplastic Double Drop Detail Stripe, Yellow	LF	220	
626-H001	Thermoplastic Double Drop Legend, White	SF	44	
627-J001	Two-Way Clear Reflective High Performance Raised Markers	EA	32	
627-L001	Two-Way Yellow Reflective High Performance Raised Markers	EA	156	

 <b>MISSISSIPPI DEPARTMENT OF TRANSPORTATION</b> <b>SUMMARY OF QUANTITIES</b>	
Working Paper SQ- Sheet Number 1	Cont'd.
PROJ NO: MP-5500-40(003) COUNTY: LEAKE	
FILENAME: SR 500 Town of Lena	
Design Team Checked	Date

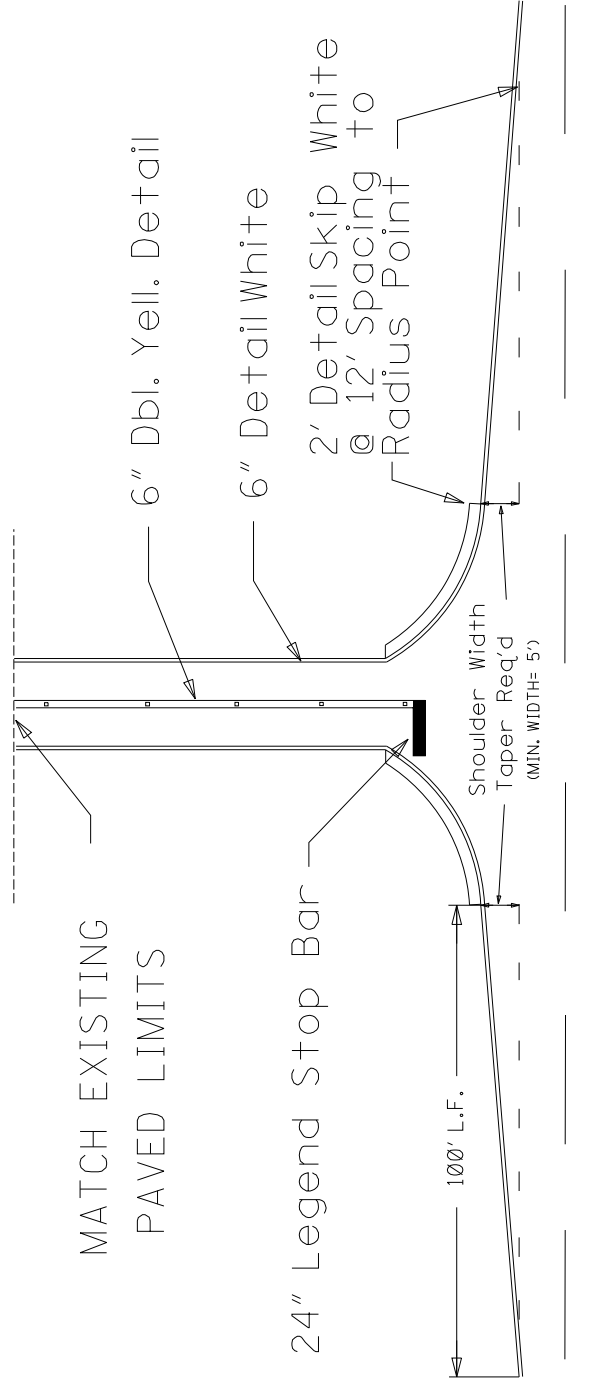
STATE	MISS
PROJECT NO.	MP-5487-40(015)

**SUMMARY OF QUANTITIES (SHEET 1)**

PAY ITEM NO.	PAY ITEM	UNIT	LEAKE : 306659-303000	
			Prelim	Final
202-B009	Removal of Asphalt Pavement, Failed Areas	SY	142	
203-G001	Excess Excavation, FM, AH	CY	50	
304-A004	Granular Material, LVM, Class 5, Group C	CY	50	
403-A003	12.5-mm, ST, Asphalt Pavement	TON	1,275	
403-B003	12.5-mm, ST, Asphalt Pavement, Levelling	TON	47	
406-D001	Fine Milling of Bituminous Pavement, All Depths	SY	10,060	
407-A001	Asphalt for Tack Coat	GAL	1,006	
503-C010	Saw Cut, Full Depth	LF	194	
618-A001	Maintenance of Traffic	LS	1	
619-A1001	Temporary Traffic Stripe, Continuous White	MI	4	
619-A2001	Temporary Traffic Stripe, Continuous Yellow	MI	6	
619-A5001	Temporary Traffic Stripe, Detail	LF	1,220	
619-A6001	Temporary Traffic Stripe, Legend	SF	68	
907-619-B001	Temporary Portable Rumble Strips	LF	66	
619-D1001	Standard Roadside Construction Signs, Less than 10 Square Feet	SF	90	
619-D2001	Standard Roadside Construction Signs, 10 Square Feet or More	SF	26	
619-G4001	Barricades, Type III, Double Faced	LF	8	
620-A001	Mobilization	LS	1	
626-C002	6" Thermoplastic Double Drop Edge Stripe, Continuous White	MI	2	
626-E001	6" Thermoplastic Double Drop Traffic Stripe, Continuous Yellow	MI	2	
626-G004	Thermoplastic Double Drop Detail Stripe, White	LF	360	
626-G005	Thermoplastic Double Drop Detail Stripe, Yellow	LF	250	
626-H001	Thermoplastic Double Drop Legend, White	SF	34	
627-J001	Two-Way Clear Reflective High Performance Raised Markers	EA	60	
627-L001	Two-Way Yellow Reflective High Performance Raised Markers	EA	110	

 <b>MISSISSIPPI DEPARTMENT OF TRANSPORTATION</b> <b>SUMMARY OF QUANTITIES</b>	
Working Paper SQ- Sheet Number 1	PROJ NO: MP-5487-40(015) COUNTY: LEAKE FILENAME: SR 487 Town of Lena
Design Team Checked Date	Design Team Checked Date

# SR 13, 500 & 487 - LEAKE COUNTY COUNTY ROAD PAVING/STRIPING

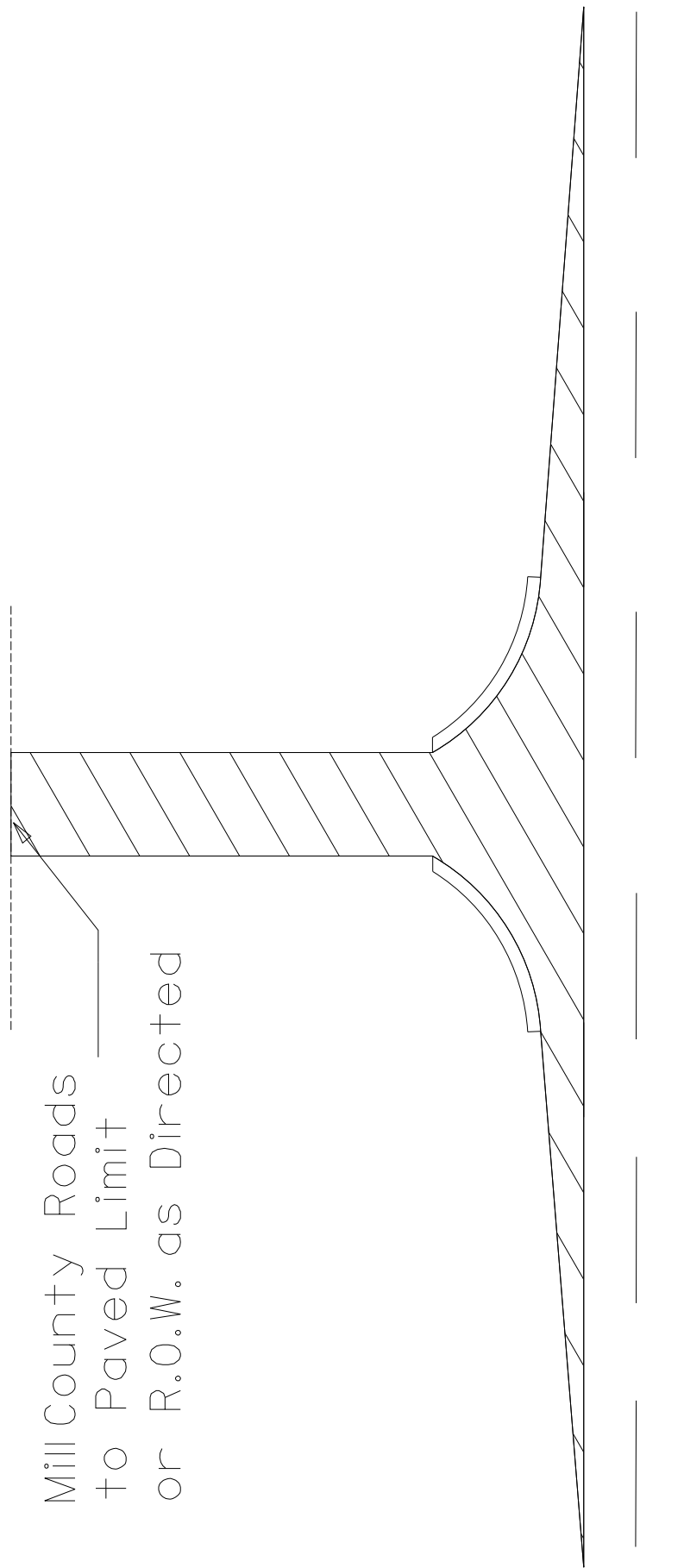


NOTE: 100' TAPERS TO BE CONSTRUCTED WHERE 5' SHOULDER WIDTH IS AVAILABLE AT THE BEGINNING OF LOCAL ROAD RADIUS.

NOTE: ASPHALT PAVEMENT THICKNESS IN TAPER SHALL BE 6".

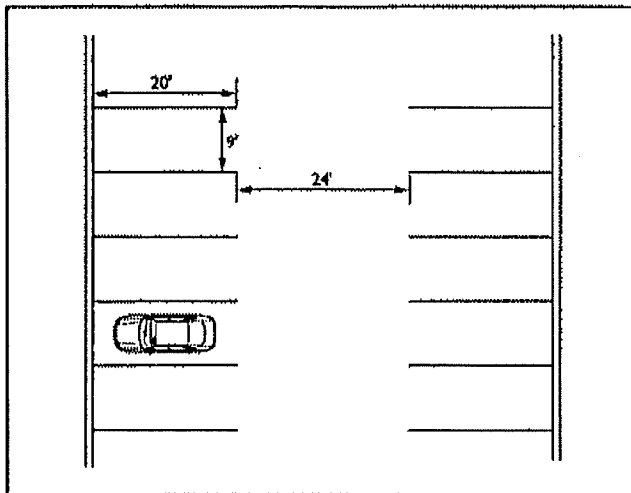
NOTE: DETAIL SKIP SHALL BE PLACED ON LOCAL ROADS WITH TAPERS.

SR 13, 500 & 487 - LEAKE COUNTY  
MILLING COUNTY ROADS

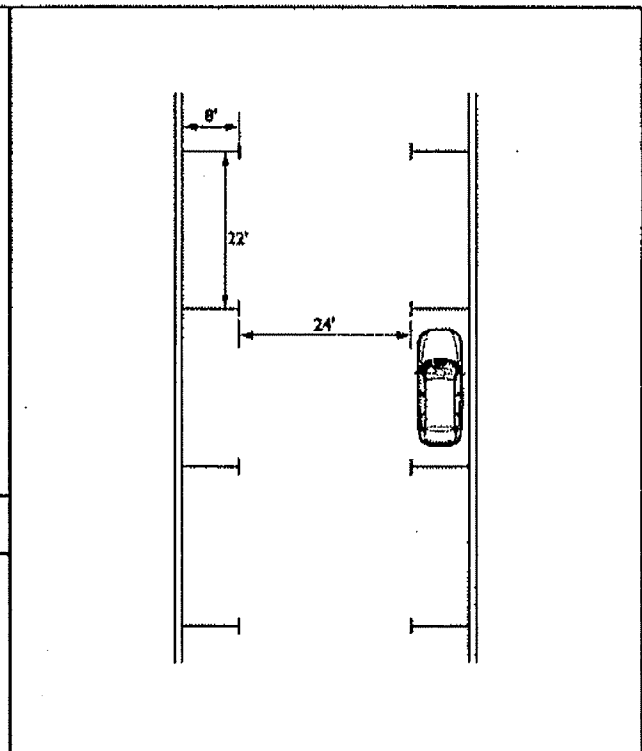


Mill County Roads  
to Paved Limit  
or R.O.W. as Directed

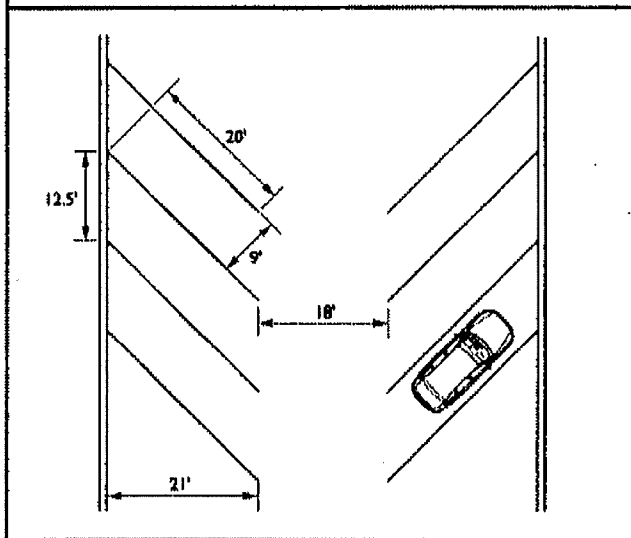
 1 1/2" Mill Area



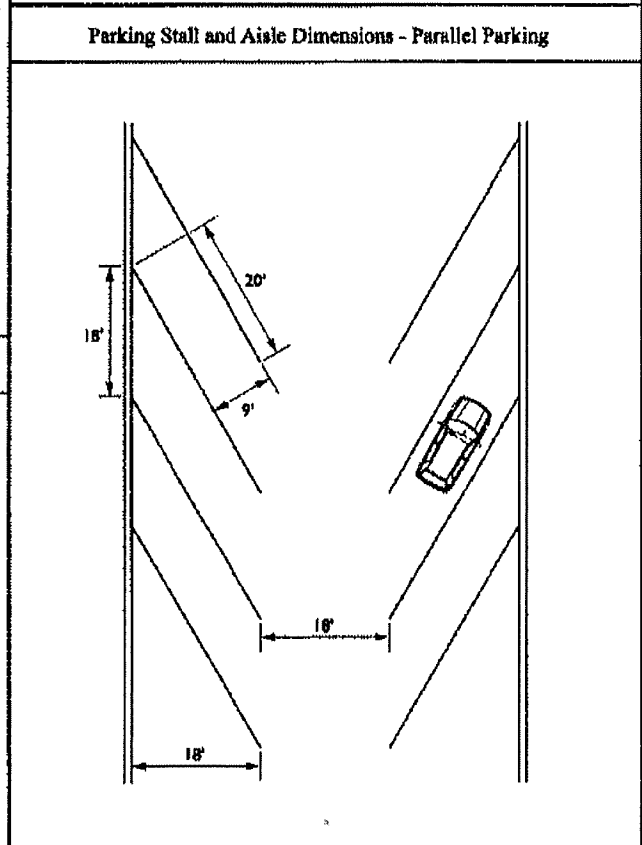
Parking Stall and Aisle Dimensions - 90 Degree Parking



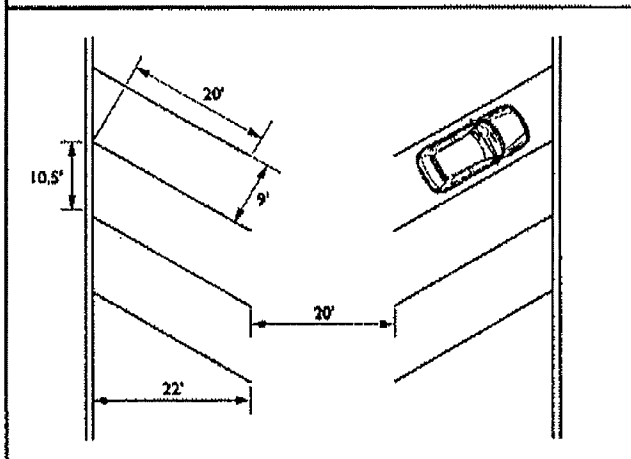
Parking Stall and Aisle Dimensions - Parallel Parking



Parking Stall and Aisle Dimensions - 45 Degree Parking



Parking Stall and Aisle Dimensions - 60 Degree Parking

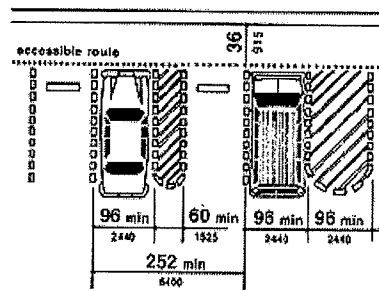


Parking Stall and Aisle Dimensions - 30 Degree Parking

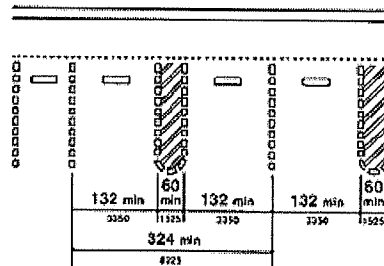
across is strongly discouraged.

**A4.6 Parking and Passenger Loading Zones.**

**A4.6.3 Parking Spaces.** The increasing use of vans with side-mounted lifts or ramps by persons with disabilities has necessitated some revisions in specifications for parking spaces and adjacent access aisles. The typical accessible parking space is 96 in (2440 mm) wide with an adjacent 60 in (1525 mm) access aisle. However, this aisle does not permit lifts or ramps to be deployed and still leave room for a person using a wheelchair or other mobility aid to exit the lift platform or ramp. In tests conducted with actual lift/van/wheelchair combinations, (under a Board-sponsored Accessible Parking and Loading Zones Project) researchers found that a space and aisle totaling almost 204 in (5180 mm) wide was needed to deploy a lift and exit conveniently. The "van accessible" parking space required by these guidelines provides a 96 in (2440 mm) wide space with a 96 in (2440 mm) adjacent access aisle which is just wide enough to maneuver and exit from a side mounted lift. If a 96 in (2440 mm) access aisle is placed between two spaces, two "van accessible" spaces are created. Alternatively, if the wide access aisle is provided at the end of a row (an area often unused), it may be possible to provide the wide access aisle without additional space (see Fig. A5(a)).



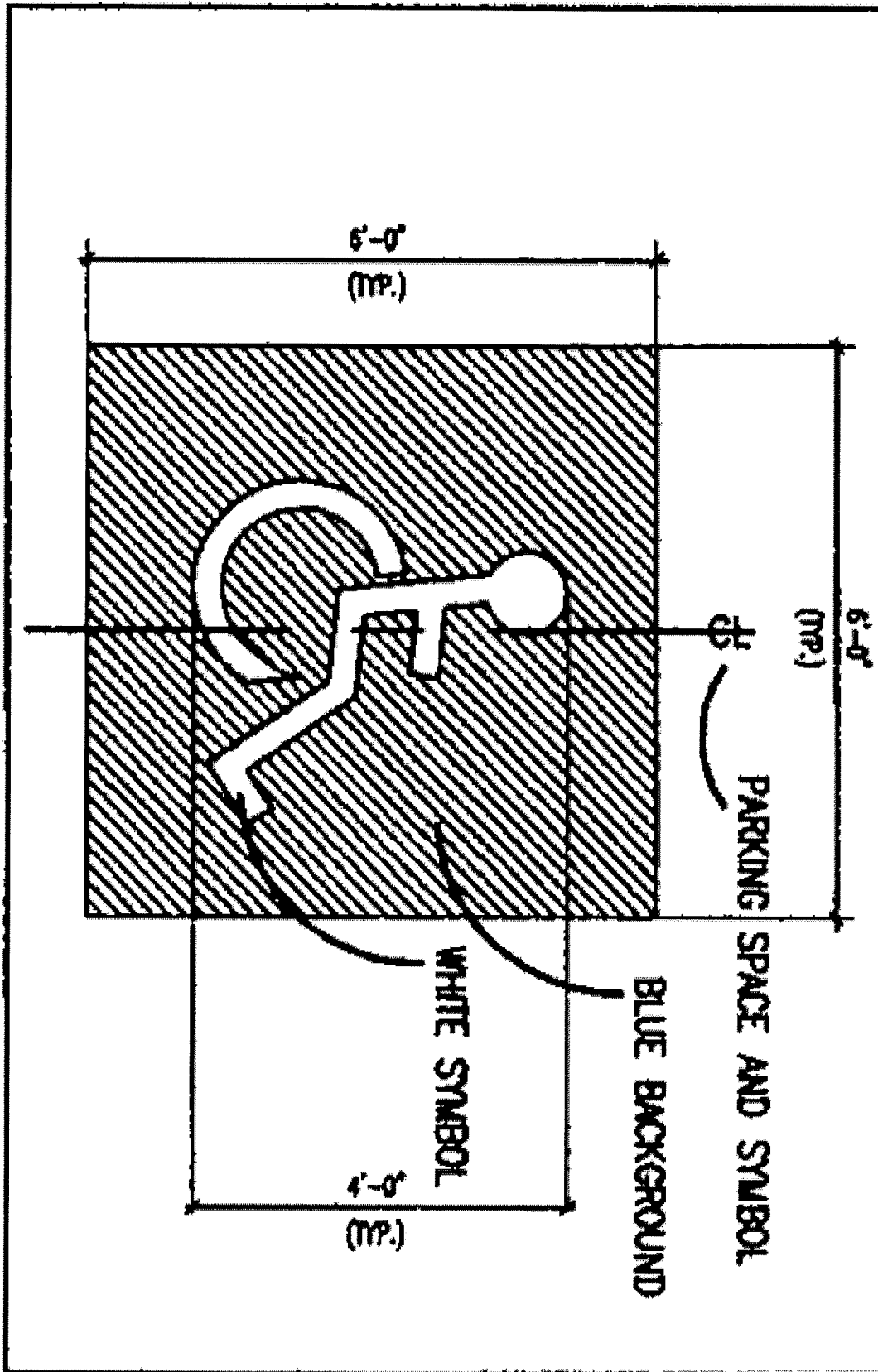
(a) Van Accessible Space at End Row



(b) Universal Parking Space Design

Fig. A5  
Parking Space Alternatives





## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-102-2

CODE: (IS)

DATE: 11/22/2017

SUBJECT: **Bidding Requirements and Conditions**

Section 102, Bidding Requirements and Conditions, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

**907-102.01--Prequalification of Bidders.** Delete the last sentence of the third paragraph of Subsection 102.01 on page 13, and substitute the following.

The Bidder's Certificate of Responsibility number must be on file with the Department's Contract Administration Division prior to request for permission to bid.

**907-102.02--Contents of Proposal Forms.** Delete the fourth paragraph in Subsection 102.02 on page 13, and substitute the following.

Prospective bidders must complete an online request for permission to be eligible to bid a project. Upon approval, the bidder will be authorized to submit a bid electronically using Bid Express at <http://bidx.com>.

## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-103-2

CODE: (SP)

DATE: 06/22/2017

SUBJECT: Award and Execution of Contract

Section 103, Award and Execution of Contract, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

**907-103.01--Consideration of Proposal.** Delete the second and third paragraphs of Subsection 103.01 on page 19, and substitute the following.

**907-103.01.1--For Projects Constructed Without Federal Funds.** Resident Contractors actually domiciled in Mississippi are to be granted preference over nonresidents in awarding of Contracts financed 100% with State funds.

In consideration of proposals that are equal to or in excess of \$50,000 and financed 100% with State funds, a nonresident bidder domiciled in a state having laws granting preference to local Contractors will be considered for such contracts on the same basis as the nonresident bidder's state awards contracts to Mississippi Contractors bidding under similar circumstances. When a nonresident Contractor submits a bid equal to or in excess of \$50,000 on a contract financed 100% with State funds, a copy of the current laws from the state of domicile and an explanation thereof pertaining to treatment of nonresident Contractors shall be attached. If no preferential treatment is provided for Contractors in the state of domicile and contracts are awarded to the lowest responsible bidder, a statement to this effect shall be attached. Should the attachment not accompany the bid when submitted, the Contractor shall have 10 days following the opening of the bids to furnish the required information to the Contract Administration Director for attachment to the bid. Failure to provide the attachment within 10 days will result in the nonresident Contractor's bid being rejected and not considered for award. As used herein, the term "resident Contractor" includes a nonresident person, firm or corporation that has been qualified to do business in this State and has maintained a permanent full-time office in the State of Mississippi for two years prior to the submission of the bid, and the subsidiaries and affiliates of such a person, firm or corporation.

# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-619-6

CODE: (SP)

DATE: 03/21/2018

SUBJECT: Temporary Portable Rumble Strips

Section 619, Traffic Control for Construction Zones, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

**907-619.02--Materials.** After Subsection 619.02.15 on page 472, add the following.

**907-619.02.16--Temporary Portable Rumble Strips.** Temporary portable rumble strips shall be RoadQuake manufactured by PSS and meet the following requirements:

- capable of being installed without adhesives or bolts,
- have a minimum weight of 100 pounds,
- have a minimum overall length of 11 feet,
- have a minimum width of 12 inches, and
- have a maximum height of 3/4 inch.

Temporary portable rumble strips shall be installed in accordance with the attached details, or as directed by the Engineer.

**907-619.03--Construction Requirements.** After Subsection 619.03.11 on page 476, add the following.

**907-619.03.16--Temporary Portable Rumble Strips.** Temporary portable rumble strips shall be placed at locations shown on the traffic control plans, attached drawing, or as directed by the Engineer. The rumble strips shall be removed when lane closures are removed, relocated when lane closures are relocated, or as directed by the Engineer.

Prior to placement of the rumble strips, the roadway shall be cleaned to be free of dust, sand, and other materials that may cause slippage. The minimum roadway temperature at the time of installation shall be in accordance with manufacturer recommendations.

A minimum of three (3) temporary portable rumble strips shall be arranged in an array. The spacing of temporary portable rumble strips in each array shall be on 15-foot centers. One array of three (3) strips shall be used in each lane. The rumble strips shall be regularly monitored and maintained to ensure they stay in place under traffic.

**907-619.04--Method of Measurement.** At the end of Subsection 619.04 on page 478, add the following.

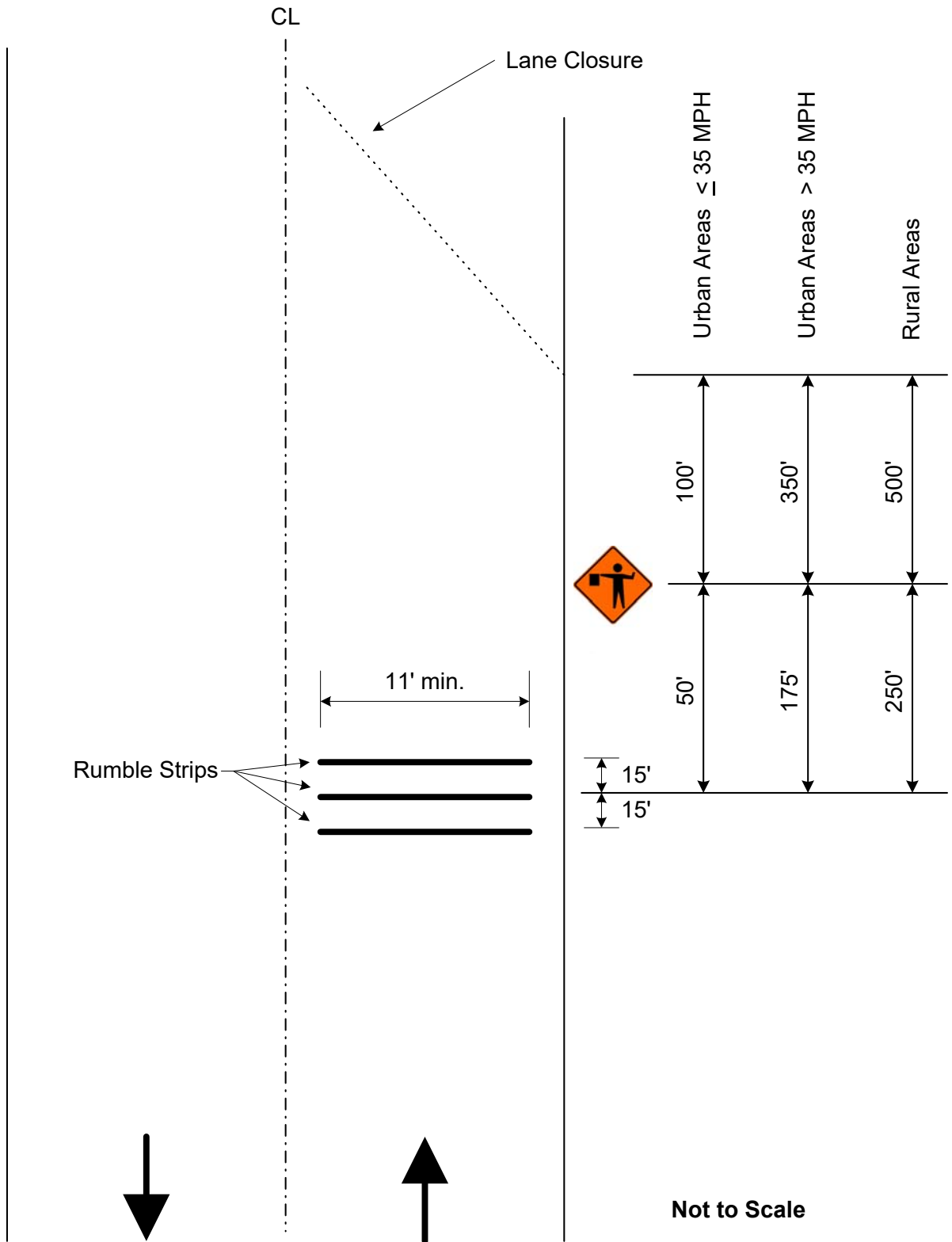
Temporary Portable Rumble Strips will be measured for payment by the linear foot only when a pay item for temporary portable rumble strips is included in the contract. Otherwise, temporary portable rumble strips will be included in the cost of pay item 618-A, Maintenance of Traffic. The quantity of temporary portable rumble strips will be the length of rumble strips approved by the Engineer to be in-place on the project at any one time.

**907-619.05--Basis of Payment.** After the fifth paragraph of Subsection 619.05 on page 478, add the following.

Temporary Portable Rumble Strips measured as prescribed above, will be paid for at the contract unit price per linear foot, which price shall be full compensation for cleaning the roadway surface, installing the rumble strips, maintenance and repair of the strips, cleaning and resetting of the strips, removal and replacement, and for all labor, equipment, tools, and incidentals necessary to complete the work.

After the last pay item listed on page 480, add the following.

907-619-B: Temporary Portable Rumble Strips - per linear foot



**Detail of Temporary Portable Rumble Strips**

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SPECIAL PROVISION NO. 907-626-4**

**CODE: (SP)**

**DATE: 03/06/2017**

**SUBJECT: Thermoplastic Blue ADA Markings**

Section 626, Thermoplastic Traffic Markings, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

**907-626.04--Method of Measurement.** After the last sentence of the last paragraph of Subsection 626.04 on page 495, add the following.

Cold Plastic Legend, Handicap Symbol of the color specified will be measured per each as determined by actual count in place.

**907-626.05--Basis of Payment.** After the last pay item listed in Subsection 626.05 on page 496, add the following:

907-626-H: Thermoplastic Legend, Handicap Symbol, Color

- per each

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SPECIAL PROVISION NO. 907-701-1**

**CODE: (SP)**

**DATE: 10/23/2018**

**SUBJECT: Hydraulic Cement**

Section 701, Hydraulic Cement, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

**907-701.01--General.** In the first sentence of the third paragraph of Subsection 701.01 on page 718, change “mills” to “plants.”

In the second sentence of the seventh paragraph of Subsection 701.01 on pages 718 and 719, change “shall” to “will.”

**907-701.02--Portland Cement.**

**907-701.02.1-General.**

**907-701.02.1.2--Alkali Content.** Delete the sentence in Subsection 701.02.1.2 on page 719, and substitute the following.

The Equivalent alkali content for all cement types in this Subsection shall not exceed 0.60%.

**907-701.02.2--Replacement by Other Cementitious Materials.** Delete the paragraph in Subsection 701.02.2 on page 719, and substitute the following.

The maximum replacement of cement by weight is 25% for fly ash or 50% for ground granulated blast furnace slag (GGBFS). Replacement contents below 20% for fly ash or 45% for GGBFS may be used, but will not be given any special considerations, such as the maximum acceptance temperature for portland cement concrete containing pozzolans in Subsection 804.02.13.1.5. Special considerations shall only apply for replacement of cement by fly ash or GGBFS.

Delete Subsection 701.02.2.1 on pages 719 and 720, and substitute the following.

**907-701.02.2.1--Portland Cement Concrete Exposed to Soluble Sulfate Conditions or Seawater.**

When portland cement concrete is exposed to moderate or severe soluble sulfate conditions, or to seawater, cement types and replacement of cement by Class F fly ash or GGBFS shall be as follows in Table 1. Class C fly ash shall not be used as a replacement for cement in any of the sulfate exposure conditions listed in Table 1.



**Table 1- Cementitious Materials for Soluble Sulfate Conditions or Seawater**

Sulfate Exposure	Water-soluble sulfate (SO <sub>4</sub> ) in soil, % by mass	Sulfate (SO <sub>4</sub> ) in water, ppm	Cementitious material required
Moderate and Seawater	0.10 - 0.20	150 - 1,500	Type I cement with one of the following replacements of cement by weight: 24.5 - 25.0% Class F fly ash, or 49.5 - 50.0% GGBFS or Type II <sup>*,**</sup> cement
Severe	0.20 - 2.00	1,500 - 10,000	Type I cement with a replacement by weight of 49.5 - 50.0% GGBFS, or Type II <sup>*</sup> cement with one of the following replacements of cement by weight: 24.5 - 25.0% Class F fly ash, or 49.5 - 50.0% GGBFS

\* Type III cement conforming to AASHTO M85 with a maximum 8% tricalcium aluminate (C<sub>3</sub>A) may be used in lieu of Type II cement as allowed in Subsection 701.02.1; this cement is given the designation “Type III(MS).”

\*\* Class F fly ash or GGBFS may be added as a replacement for cement as allowed in Subsection 907-701.02.2.

Delete Subsection 701.02.2.2 on page 720, and substitute the following.

**907-701.02.2.2--Portland Cement for Soil Stabilization Exposed to Soluble Sulfate Conditions or Seawater.** When portland cement for use in soil stabilization is exposed to moderate or severe soluble sulfate conditions, or to seawater, cement types and replacement of cement by Class F fly ash or GGBFS shall meet the requirements of Subsection 701.02.2.1.

**907-701.04--Blended Hydraulic Cement.**

**907-701.04.1--General.** Delete Subsection 701.04.1.1 on page 720, and substitute the following.

**907-701.04.1.1--Types of Blended Hydraulic Cement.** Blended hydraulic cements (blended cements) shall be of the following types and conform to AASHTO M 240:

- Type IL – Portland-limestone cement
- Type IP – Portland-pozzolan cement
- Type IS – Portland blast-furnace slag cement

Blended cement Types IL, IP, and IS meeting the “MS” sulfate resistance requirement listed in AASHTO M 240, Table 3 shall have the “(MS)” suffix added to the type designation.

**907-701.04.1.2--Alkali Content.** Delete the sentence in Subsection 701.04.1.2 on page 720, and substitute the following.

All blended cement types shall be made with clinker that would result in cement meeting the requirements of Subsection 701.02.1.2 when used in the production of AASHTO M 85, Type I or Type II cement.

**907-701.04.2--Replacement by Other Cementitious Materials.** Delete the paragraph in Subsection 701.04.2 on page 720, and substitute the following.

The maximum replacement of blended cement Type IL by weight is 35% for fly ash or 50% for GGBFS. Replacement contents below 20% for fly ash or 45% for GGBFS may be used, but will not be given any special considerations, such as the maximum acceptance temperature for blended cement concrete containing pozzolans in Subsection 804.02.13.1.5. Special considerations shall only apply for replacement of blended cement by fly ash or GGBFS.

No additional cementitious materials, such as portland cement, blended cement, fly ash, GGBFS, or others, shall be added to or as a replacement for blended cement Types IP and IS.

Delete Subsection 701.04.2.1 on pages 720 and 721, and substitute the following.

**907-701.04.2.1--Blended Cement Concrete Exposed to Soluble Sulfate Conditions or Seawater.** When blended cement concrete is exposed to moderate or severe soluble sulfate conditions, or to seawater, cement types and replacement of cement by Class F fly ash or GGBFS shall be as follows in Table 2. Class C fly ash shall not be used as a replacement for cement in any of the sulfate exposure conditions listed in Table 2.

**Table 2- Cementitious Materials for Soluble Sulfate Conditions or Seawater**

Sulfate Exposure	Water-soluble sulfate (SO <sub>4</sub> ) in soil, % by mass	Sulfate (SO <sub>4</sub> ) in water, ppm	Cementitious material required
Moderate and Seawater	0.10 - 0.20	150 - 1,500	Type IL (MS)* cement, Type IL cement with one of the following replacements of cement by weight: 24.5 - 35.0% Class F fly ash, or 49.5 - 50.0% GGBFS, Type IP (MS) cement, or Type IS (MS) cement
Severe	0.20 - 2.00	1,500 - 10,000	Type IL cement with a replacement of cement by weight of 49.5 - 50.0% GGBFS, or Type IL (MS) cement with one of following replacements of cement by weight: 24.5 - 35.0% Class F fly ash, or 49.5 - 50.0% GGBFS

- \* Class F fly ash or GGBFS may be added as a replacement for cement as allowed in Subsection 907-701.04.2.

Delete Subsection 701.04.2.2 on page 721, and substitute the following.

**907-701.04.2.2--Blended Cement for Soil Stabilization Exposed to Soluble Sulfate Conditions or Seawater.** When blended cement for use in soil stabilization is exposed to moderate or severe soluble sulfate conditions, or to seawater, cement types and replacement of cement by Class F fly ash or GGBFS shall meet the requirements of Subsection 701.04.2.1.

Delete Subsection 701.04.3 on page 721.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SPECIAL PROVISION NO. 907-702-4**

**CODE: (IS)**

**DATE: 09/11/2018**

**SUBJECT: Bituminous Materials**

Section 702, Bituminous Materials, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

**907-702.04--Sampling.** Delete the sentence in Subsection 702.04 on page 722, and substitute the following.

Sampling of bituminous materials shall be as set out in AASHTO R 66.

**907-702.07--Emulsified Asphalt.** Delete the last sentence in Subsection 702.07 on page 724, and substitute the following.

Asphalt for fog seal shall conform to the requirements of Subsection 907-702.12, Table V.

**907-702.12--Tables.** Delete Table V in Subsection 702.12 on page 729, and substitute the following.

**TABLE V  
SPECIFICATION FOR FOG SEAL**

Test Requirements	LD-7		CHPF-1		Test Method
	Min.	Max.	Min.	Max.	
Viscosity, Saybolt Furol, @ 25°C, Sec.	10	100	-	100	AASHTO T 72
Storage Stability Test, 24 hr, %	-	1	-	1	AASHTO T 59
Settlement, 5 day, %	-	5	-	-	AASHTO T 59
Oil Distillate, %	-	1	-	-	AASHTO T 59
Sieve Test, % *	-	0.3	-	0.1	AASHTO T 59
Residue by Distillation, %	40	-	40	-	AASHTO T 59
<b>Test on Residue from Distillation</b>					
Penetration @ 25°C, 100g, 5 sec	-	20	40	90	AASHTO T 49
Softening Point, °C	65	-	-	-	ASTM D 36
Solubility in trichloroethylene, %	97.5	-	-	-	AASHTO T 44
Elastic Recovery @ 25°C, %	-	-	40	-	AASHTO T 301
Original DSR @ 82° (G*/Sinδ, 10 rad/sec)	1	-	-	-	AASHTO T 111

\* The Sieve Test result is tested for reporting purposes only and may be waived if no application problems are present in the field.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SPECIAL PROVISION NO. 907-703-1**

**CODE: (IS)**

**DATE: 06/13/2018**

**SUBJECT: Gradation**

Section 703, Aggregates, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

**907-703.03--Course Aggregates for Hydraulic Cement Concrete.**

**907-703.03.2--Detail Requirements.**

**907-703.03.2.4--Gradation.** In the table in Subsection 703.03.2.4 on page 734, add 100 for the percent passing by weight on the 1½-inch sieve for Size No. 67 aggregates.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SPECIAL PROVISION NO. 907-705-1**

**CODE: (IS)**

**DATE: 06/13/2018**

**SUBJECT: Stone Riprap**

Section 705, Stone Blanket Protection and Filter Blanket Materials, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

**907-705.04--Stone Riprap**. Delete the last sentence of the first paragraph of Subsection 705.04 on page 750, and substitute the following.

Quality requirements for rock to be furnished under these specifications will come from a pre-approved source and be visually approved prior to use.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SPECIAL PROVISION NO. 907-711-2**

**CODE: (IS)**

**DATE: 09/11/2018**

**SUBJECT: Plain Steel Wire**

Section 711, Reinforcement and Wire Rope, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

**907-711.02--Deformed and Plain Carbon-Steel Bars for Concrete Reinforcing.**

**907-711.02.3--Steel Welded and Non-Welded Wire Reinforcement, Plain and Deformed, for Concrete.**

**907-711.02.3.1--Plain Steel Wire.** Delete the sentence in Subsection 711.02.3.1 on pages 780 and 781, and substitute the following.

Plain steel wire and plain steel welded wire shall conform to the requirements of AASHTO M 336.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SPECIAL PROVISION NO. 907-720-2**

**CODE: (IS)**

**DATE: 09/11/2018**

**SUBJECT: Acceptance Procedure for Glass Beads**

Section 720, Pavement Marking Materials, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

**907-720.01--Glass Beads.**

**907-720.01.4--Acceptance Procedures.** Delete the last sentence of the paragraph in Subsection 720.01.4 on page 841, and substitute the following.

Acceptance sampling and testing of glass beads will be in accordance with the Department's Materials Division Inspection, Testing, and Certification Manual, Section 2.9.2 -- Glass Beads.



# SECTION 905 - PROPOSAL

Date \_\_\_\_\_

Mississippi Transportation Commission  
Jackson, Mississippi

Sirs: The following proposal is made on behalf of \_\_\_\_\_  
\_\_\_\_\_ of \_\_\_\_\_

for constructing the following designated project(s) within the time(s) hereinafter specified.

The plans are composed of drawings and blue prints on file in the offices of the Mississippi Department of Transportation, Jackson, Mississippi.

The Specifications are the current Standard Specifications of the Mississippi Department of Transportation approved by the Federal Highway Administration, except where superseded or amended by the plans, Special Provisions and Notice(s) to Bidders attached hereto and made a part thereof.

I (We) certify that I (we) possess a copy of said Standard and any Supplemental Specifications.

Evidence of my (our) authority to submit the Proposal is hereby furnished. The proposal is made without collusion on the part of any person, firm or corporation. I (We) certify that I (we) have carefully examined the Plans, the Specifications, including the Special Provisions and Notice(s) to Bidders, herein, and have personally examined the site of the work. On the basis of the Specifications, Special Provisions, Notice(s) to Bidders, and Plans, I (we) propose to furnish all necessary machinery, tools, apparatus and other means of construction and do all the work and furnish all the materials in the manner specified. I (We) understand that the quantities mentioned herein are approximate only and are subject to either increase or decrease, and hereby propose to perform any increased or decreased quantities of work at the unit prices bid, in accordance with the above.

I (We) acknowledge that this proposal will be found irregular and/or non-responsive unless a certified check, cashier's check, or Proposal Guaranty Bond in the amount as required in the Advertisement (or, by law) is submitted electronically with the proposal or is delivered to the Contract Administration Engineer prior to the bid opening time specified in the advertisement.

**INSTRUCTION TO BIDDERS: Alternate and Optional Items on Bid Schedule.**

1. Two or more items entered opposite a single unit quantity WITHOUT DEFINITE DESIGNATION AS "ALTERNATE ITEMS" are considered as "OPTIONAL ITEMS". Bidders may or may not indicate on bids the Optional Item proposed to be furnished or performed WITHOUT PREJUDICE IN REGARD TO IRREGULARITY OF BIDS.
2. Items classified on the bid schedule as "ALTERNATE ITEMS" and/or "ALTERNATE TYPES OF CONSTRUCTION" must be preselected and indicated on bids. However, "Alternate Types of Construction" may include Optional Items to be treated as set out in Paragraph 1, above.
3. Optional items not preselected and indicated on the bid schedule MUST be designated in accordance with Subsection 102.06 prior to or at the time of execution of the contract.
4. Optional and Alternate items designated must be used throughout the project.

I (We) further propose to perform all "force account or extra work" that may be required of me (us) on the basis provided in the Specifications and to give such work my (our) personal attention in order to see that it is economically performed.

I (We) further propose to execute the attached contract agreement (Section 902) as soon as the work is awarded to me (us), and to begin and complete the work within the time limit(s) provided for in the Specifications and Advertisement. I (We) also propose to execute the attached contract bond (Section 903) in an amount not less than one hundred (100) percent of the total of my (our) part, but also to guarantee the excellence of both workmanship and materials until the work is finally accepted.

I (We) shall submit electronically with our proposal or deliver prior to the bid opening time a certified check, cashier's check or bid bond for **five percent (5%) of total bid** and hereby agree that in case of my (our) failure to execute the contract and furnish bond within Ten (10) days after notice of award, the amount of this check (bid bond) will be forfeited to the State of Mississippi as liquidated damages arising out of my (our) failure to execute the contract as proposed. It is understood that in case I am (we are) not awarded the work, the check will be returned as provided in the Specifications.

**SECTION 905 -- PROPOSAL (CONTINUED)**

I (We) hereby certify by digital signature and electronic submission via Bid Express of the Section 905 proposal below, that all certifications, disclosures and affidavits incorporated herein are deemed to be duly executed in the aggregate, fully enforceable and binding upon delivery of the bid proposal. I (We) further acknowledge that this certification shall not extend to the bid bond or alternate security which must be separately executed for the benefit of the Commission. This signature does not cure deficiencies in any required certifications, disclosures and/or affidavits. I (We) also acknowledge the right of the Commission to require full and final execution on any certification, disclosure or affidavit contained in the proposal at the Commission's election upon award. Failure to so execute at the Commission's request within the time allowed in the Standard Specifications for execution of all contract documents will result in forfeiture of the bid bond or alternate security.

Respectfully Submitted,

DATE \_\_\_\_\_

\_\_\_\_\_  
Contractor

BY \_\_\_\_\_  
Signature

TITLE \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY, STATE, ZIP \_\_\_\_\_

PHONE \_\_\_\_\_

FAX \_\_\_\_\_

E-MAIL \_\_\_\_\_

(To be filled in if a corporation)

Our corporation is chartered under the Laws of the State of \_\_\_\_\_ and the names, titles and business addresses of the executives are as follows:

\_\_\_\_\_  
President Address

\_\_\_\_\_  
Secretary Address

\_\_\_\_\_  
Treasurer Address

The following is my (our) itemized proposal.

Proposal(Sheet 2-1)

Leake

Mill & Overlay approximately 1 mile of SR 13 through the Town of Lena, approximately 1 mile of SR 500 from SR 13 to Lena Town Limits, approximately 1 mile of SR 487 from SR 13 to Lena Town Limits, known as State Project Nos. MP-5013-40(006) / 306659301, MP-5500-40(003) / 306659302, & MP-5487-40(015) / 306659303 in Leake County.

Line no.	Item Code	Adj Code	Quantity	Units	Description[Fixed Unit Price]
<b>Roadway Items</b>					
0010	202-B009		550	Square Yard	Removal of Asphalt Pavement, Failed Areas
0020	203-G001	(E)	150	Cubic Yard	Excess Excavation, FM, AH
0030	304-A004	(GY)	150	Cubic Yard	Granular Material, LVM, Class 5, Group C
0040	403-A003	(BA1)	5,350	Ton	12.5-mm, ST, Asphalt Pavement
0050	403-B003	(BA1)	184	Ton	12.5-mm, ST, Asphalt Pavement, Leveling
0060	406-D001		42,530	Square Yard	Fine Milling of Bituminous Pavement, All Depths
0070	407-A001	(A2)	4,253	Gallon	Asphalt for Tack Coat
0080	503-C010		596	Linear Feet	Saw Cut, Full Depth
0090	618-A001		1	Lump Sum	Maintenance of Traffic
0100	619-A1001		14	Mile	Temporary Traffic Stripe, Continuous White
0110	619-A2001		21	Mile	Temporary Traffic Stripe, Continuous Yellow
0120	619-A4001		159	Linear Feet	Temporary Traffic Stripe, Skip Yellow
0130	619-A5001		4,080	Linear Feet	Temporary Traffic Stripe, Detail
0140	619-A6001		680	Square Feet	Temporary Traffic Stripe, Legend
0150	619-D1001		303	Square Feet	Standard Roadside Construction Signs, Less than 10 Square Feet
0160	619-D2001		120	Square Feet	Standard Roadside Construction Signs, 10 Square Feet or More
0170	619-G4001		32	Linear Feet	Barricades, Type III, Double Faced
0180	620-A001		1	Lump Sum	Mobilization
0190	626-C002		7	Mile	6" Thermoplastic Double Drop Edge Stripe, Continuous White
0200	626-D002		53	Linear Feet	6" Thermoplastic Double Drop Traffic Stripe, Skip Yellow
0210	626-E001		7	Mile	6" Thermoplastic Double Drop Traffic Stripe, Continuous Yellow
0220	626-G001		300	Linear Feet	Thermoplastic Detail Stripe, Blue-ADA
0230	626-G004		1,400	Linear Feet	Thermoplastic Double Drop Detail Stripe, White
0240	626-G005		640	Linear Feet	Thermoplastic Double Drop Detail Stripe, Yellow
0250	626-H001		340	Square Feet	Thermoplastic Double Drop Legend, White
0260	627-J001		128	Each	Two-Way Clear Reflective High Performance Raised Markers
0270	627-L001		406	Each	Two-Way Yellow Reflective High Performance Raised Markers
0280	907-619-B001		198	Linear Feet	Temporary Portable Rumble Strips
0290	907-626-H001		1	Each	Thermoplastic Legend, Blue-ADA Handicap Symbol

SECTION 905 - COMBINATION BID PROPOSAL (Continued)

**CONDITIONS FOR COMBINATION BID**

If a bidder elects to submit a combined bid for two or more of the contracts listed for this month's letting, the bidder must complete and execute these sheets of the proposal in each of the individual proposals to constitute a combination bid. In addition to this requirement, each individual contract shall be completed, executed and submitted in the usual specified manner.

Failure to execute this Combination Bid Proposal in each of the contracts combined will be just cause for each proposal to be received and evaluated as a separate bid.

It is understood that the Mississippi Transportation Commission not only reserves the right to reject any and all proposals, but also the right to award contracts upon the basis of lowest separate bids or combination bids most advantageous to the State.

It is further understood and agreed that the Combination Bid Proposal is for comparison of bids only and that each contract shall operate in every respect as a separate contract in accordance with its proposal and contract documents.

I (We) agree to complete each contract on or before its specified completion date.

\*\*\*\*\*

**COMBINATION BID PROPOSAL**

This proposal is tendered as one part of a Combination Bid Proposal utilizing option \_\_\_\* of Subsection 102.11 on the following contracts:

\* Option to be shown as either (a), (b), or (c).

	<u>Project No.</u>	<u>County</u>	<u>Project No.</u>	<u>County</u>
1.	_____	_____	6.	_____
2.	_____	_____	7.	_____
3.	_____	_____	8.	_____
4.	_____	_____	9.	_____
5.	_____	_____	10.	_____

(a) If Combination A has been selected, your Combination Bid is complete.

(b) If Combination B has been selected, then complete the following page.

SECTION 905 - COMBINATION BID PROPOSAL (Continued)

Project Number	Pay Item Number	Unit	Unit Price Reduction	Total Item Reduction	Total Contract Reduction
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					

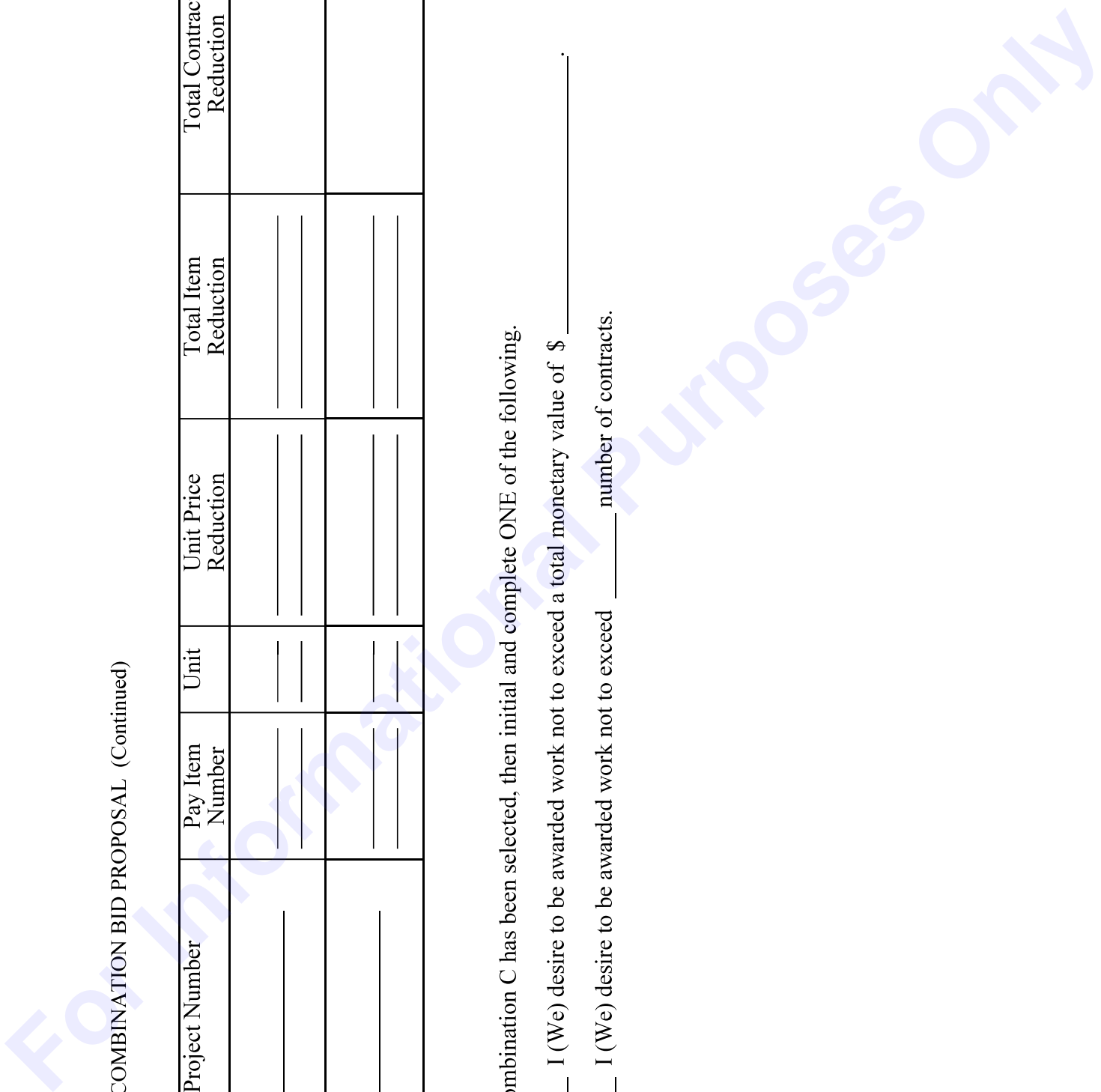
For Informational Purposes Only

SECTION 905 - COMBINATION BID PROPOSAL (Continued)

Project Number	Pay Item Number	Unit	Unit Price Reduction	Total Item Reduction	Total Contract Reduction
9.	_____	_____	_____	_____	_____
10.	_____	_____	_____	_____	_____

(c) If Combination C has been selected, then initial and complete ONE of the following.

- \_\_\_\_\_ I (We) desire to be awarded work not to exceed a total monetary value of \$ \_\_\_\_\_.
- \_\_\_\_\_ I (We) desire to be awarded work not to exceed \_\_\_\_\_ number of contracts.



TO: EXECUTIVE DIRECTOR, MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
JACKSON, MISSISSIPPI

**CERTIFICATE**

If awarded this contract, I (we) contemplate that portions of the contract will be sublet. I (we) certify that those subcontracts which are equal to or in excess of fifty thousand dollars (\$50,000.00) will be in accordance with regulations promulgated and adopted by the Mississippi State Board of Contractors on September 8, 2011.

I (we) agree that this notification of intent DOES NOT constitute APPROVAL of the subcontracts.

_____	_____
(Individual or Firm)	(Address)
_____	_____
(Individual or Firm)	(Address)
_____	_____
(Individual or Firm)	(Address)
_____	_____
(Individual or Firm)	(Address)

NOTE: Failure to complete the above DOES NOT preclude subsequent subcontracts. Subsequent subcontracts, if any, equal to or in excess of fifty thousand dollars (\$50,000.00) will be in accordance with regulations promulgated and adopted by the Mississippi State Board of Contractors on September 8, 2011.

Contractor \_\_\_\_\_

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**  
**CERTIFICATION**

I, \_\_\_\_\_,  
(Name of person signing bid)

individually, and in my capacity as \_\_\_\_\_ of  
(Title of person signing bid)

\_\_\_\_\_  
(Name of Firm, partnership, or Corporation)

do hereby certify under penalty of perjury under the laws of the United States and the State of Mississippi

that \_\_\_\_\_, Bidder  
(Name of Firm, Partnership, or Corporation)

on Project No. **MP-5013-40(006)/ 306659301000, MP-5500-40(003)/ 306659302000 & MP-5487-40(015)**  
**/ 306659303000**

in **Leake** \_\_\_\_\_ County(ies), Mississippi, has not either directly or indirectly entered into any agreement, participated in any collusion; or otherwise taken any action in restraint of free competitive bidding in connection with this contract; nor have any of its corporate officers or principal owners.

Except as noted hereafter, it is further certified that said legal entity and its corporate officers, principal owners, managers, auditors and others in a position of administering federal funds are not currently under suspension, debarment, voluntary exclusion or determination of ineligibility; nor have a debarment pending; nor been suspended, debarred, voluntarily excluded or determined ineligible within the past three years by the Mississippi Transportation Commission, the State of Mississippi, any other State or a federal agency; nor been indicted, convicted or had a civil judgment rendered by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past three years.

Do exceptions exist and are made a part thereof?            Yes / No

Any exceptions shall address to whom it applies, initiating agency and dates of such action.

Note: Exceptions will not necessarily result in denial of award but will be considered in determining bidder responsibility. Providing false information may result in criminal prosecution or administrative sanctions.

All of the foregoing is true and correct.

(1/2016 S)



SECTION 902

CONTRACT FOR MP-5013-40(006)/ 306659301000, MP-5500-40(003)/ 306659302000 & MP-5487-40(015)/ 306659303000

LOCATED IN THE COUNTY(IES) OF Leake

STATE OF MISSISSIPPI,  
COUNTY OF HINDS

This contract entered into by and between the Mississippi Transportation Commission on one hand, and the undersigned contractor, on the other witnesseth;

That, in consideration of the payment by the Mississippi Transportation Commission of the prices set out in the proposal hereto attached, to the undersigned contractor, such payment to be made in the manner and at the time of times specified in the specifications and the special provisions, if any, the undersigned contractor hereby agrees to accept the prices stated in the proposal in full compensation for the furnishing of all materials and equipment and the executing of all the work contemplated in this contract.

It is understood and agreed that the advertising according to law, the Advertisement, the instructions to bidders, the proposal for the contract, the specifications, the revisions of the specifications, the special provisions, and also the plans for the work herein contemplated, said plans showing more particularly the details of the work to be done, shall be held to be, and are hereby made a part of this contract by specific reference thereto and with like effect as if each and all of said instruments had been set out fully herein in words and figures.

It is further agreed that for the same consideration the undersigned contractor shall be responsible for all loss or damage arising out of the nature of the work aforesaid; or from the action of the elements and unforeseen obstructions or difficulties which may be encountered in the prosecution of the same and for all risks of every description connected with the work, exceptions being those specifically set out in the contract; and for faithfully completing the whole work in good and workmanlike manner according to the approved Plans, Specifications, Special Provisions, Notice(s) to Bidders and requirements of the Mississippi Department of Transportation.

It is further agreed that the work shall be done under the direct supervision and to the complete satisfaction of the Executive Director of the Mississippi Department of Transportation, or his authorized representatives, and when Federal Funds are involved subject to inspection at all times and approval by the Federal Highway Administration, or its agents as the case may be, or the agents of any other Agency whose funds are involved in accordance with those Acts of the Legislature of the State of Mississippi approved by the Governor and such rules and regulations issued pursuant thereto by the Mississippi Transportation Commission and the authorized Federal Agencies.

The Contractor agrees that all labor as outlined in the Special Provisions may be secured from list furnished by

It is agreed and understood that each and every provision of law and clause required by law to be inserted in this contract shall be deemed to be inserted herein and this contract shall be read and enforced as though it were included herein, and, if through mere mistake or otherwise any such provision is not inserted, then upon the application of either party hereto, the contract shall forthwith be physically amended to make such insertion.

The Contractor agrees that he has read each and every clause of this Contract, and fully understands the meaning of same and that he will comply with all the terms, covenants and agreements therein set forth.

Witness our signatures this the \_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

\_\_\_\_\_  
Contractor(s)

By \_\_\_\_\_

MISSISSIPPI TRANSPORTATION COMMISSION

Title \_\_\_\_\_

By \_\_\_\_\_

Signed and sealed in the presence of:  
(names and addresses of witnesses)

Executive Director

\_\_\_\_\_

\_\_\_\_\_

Secretary to the Commission

Award authorized by the Mississippi Transportation Commission in session on the \_\_\_ day of \_\_\_\_\_, \_\_\_\_\_, Minute Book No. \_\_\_\_\_, Page No. \_\_\_\_\_.

Revised 8/06/2003

**SECTION 903**  
**PERFORMANCE AND PAYMENT BOND**

CONTRACT BOND FOR: MP-5013-40(006)/ 306659301000, MP-5500-40(003)/ 306659302000 & MP-5487-40(015)/ 306659303000

LOCATED IN THE COUNTY(IES) OF: Leake

STATE OF MISSISSIPPI,  
COUNTY OF HINDS

Know all men by these presents: that we, \_\_\_\_\_  
\_\_\_\_\_  
(Contractor)

Principal, a \_\_\_\_\_

residing at \_\_\_\_\_ in the State of \_\_\_\_\_

and \_\_\_\_\_

(Surety)  
residing at \_\_\_\_\_ in the State of \_\_\_\_\_,

authorized to do business in the State of Mississippi, under the laws thereof, as surety, effective as of the contract date

shown below, are held and firmly bound unto the State of Mississippi in the sum of \_\_\_\_\_

(\$ \_\_\_\_\_) Dollars, lawful money of the United States of America, to be paid to it for which payment well and truly to be made, we bind ourselves, our heirs, administrators, successors, or assigns jointly and severally by these presents.

The conditions of this bond are such, that whereas the said \_\_\_\_\_

principal, has (have) entered into a contract with the Mississippi Transportation Commission, bearing the date of

\_\_\_\_\_ day of \_\_\_\_\_ A.D. \_\_\_\_\_ hereto annexed, for the construction of certain projects(s) in

the State of Mississippi as mentioned in said contract in accordance with the Contract Documents therefor, on file in the

offices of the Mississippi Department of Transportation, Jackson, Mississippi.

Now therefore, if the above bounden \_\_\_\_\_

in all things shall stand to and abide by and well and truly observe, do keep and perform all and singular the terms, covenants, conditions, guarantees and agreements in said contract, contained on his (their) part to be observed, done, kept and performed and each of them, at the time and in the manner and form and furnish all of the material and equipment specified in said contract in strict accordance with the terms of said contract which said plans, specifications and special provisions are included in and form a part of said contract and shall maintain the said work contemplated until its final completion and acceptance as specified in Subsection 109.11 of the approved specifications, and save harmless said Mississippi Transportation Commission from any loss or damage arising out of or occasioned by the negligence, wrongful or criminal act, overcharge, fraud, or any other loss or damage whatsoever, on the part of said principal (s), his (their) agents, servants, or employees in the performance of said work or in any manner connected therewith, and shall be liable and responsible in a civil action instituted by the State at the instance of the Mississippi Transportation Commission or any officer of the State authorized in such cases, for double any amount in money or property, the State may lose or be overcharged or otherwise defrauded of, by reason of wrongful or criminal act, if any, of the Contractor(s), his (their) agents or employees, and shall promptly pay the said agents, servants and employees and all persons furnishing labor, material, equipment or supplies therefor, including premiums incurred, for Surety Bonds, Liability Insurance, and Workmen's Compensation Insurance; with the additional obligation that such Contractor shall promptly make payment of all taxes, licenses, assessments, contributions, damages,

any liquidated damages which may arise prior to any termination of said principal's contract, any liquidated damages which may arise after termination of the said principal's contract due to default on the part of said principal, penalties and interest thereon, when and as the same may be due this state, or any county, municipality, board, department, commission or political subdivision: in the course of the performance of said work and in accordance with Sections 31-5-51 et seq. Mississippi Code of 1972, and other State statutes applicable thereto, and shall carry out to the letter and to the satisfaction of the Executive Director of the Mississippi Department of Transportation, all, each and every one of the stipulations, obligations, conditions, covenants and agreements and terms of said contract in accordance with the terms thereof and all of the expense and cost and attorney's fee that may be incurred in the enforcement of the performance of said contract, or in the enforcement of the conditions and obligations of this bond, then this obligation shall be null and void, otherwise to be and remain in full force and virtue.

_____	_____
(Contractors) Principal	Surety
By _____	By _____
	(Signature) Attorney in Fact
	Address _____
	_____
Title _____	_____
(Contractor's Seal)	(Printed) MS Agent
	_____
	(Signature) MS Agent
	Address _____
	_____
	_____
	(Surety Seal)
	_____
	Mississippi Insurance ID Number



# BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we \_\_\_\_\_  
Contractor

\_\_\_\_\_  
Address

\_\_\_\_\_  
City, State ZIP

As principal, hereinafter called the Principal, and \_\_\_\_\_  
Surety

a corporation duly organized under the laws of the state of \_\_\_\_\_

as Surety, hereinafter called the Surety, are held and firmly bound unto State of Mississippi, Jackson, Mississippi

As Obligee, hereinafter called Obligee, in the sum of **Five Per Cent (5%) of Amount Bid**

Dollars(\$ \_\_\_\_\_ )

for the payment of which sum will and truly to be made, the said Principal and said Surety, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has submitted a bid for **Mill & Overlay approximately 1 mile of SR 13 through the Town of Lena, approximately 1 mile of SR 500 from SR 13 to Lena Town Limits, approximately 1 mile of SR 487 from SR 13 to Lena Town Limits, known as State Project Nos. MP-5013-40(006) / 306659301, MP-5500-40(003) / 306659302, & MP-5487-40(015) / 306659303 in Leake County.**

NOW THEREFORE, the condition of this obligation is such that if the aforesaid Principal shall be awarded the contract, the said Principal will, within the time required, enter into a formal contract and give a good and sufficient bond to secure the performance of the terms and conditions of the contract, then this obligation to be void; otherwise the Principal and Surety will pay unto the Obligee the difference in money between the amount of the bid of the said Principal and the amount for which the Obligee legally contracts with another party to perform the work if the latter amount be in excess of the former, but in no event shall liability hereunder exceed the penal sum hereof.

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
(Witness)

\_\_\_\_\_  
(Principal) (Seal)

By: \_\_\_\_\_  
(Name) (Title)

\_\_\_\_\_  
(Surety) (Seal)

By: \_\_\_\_\_  
(Attorney-in-Fact)

\_\_\_\_\_  
(MS Agent)

\_\_\_\_\_  
Mississippi Insurance ID Number

