

MDOT Use Only

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09 -



SM No. CMP1000000831

PROPOSAL AND CONTRACT DOCUMENTS

FOR THE CONSTRUCTION OF

09

Raised Pavement Markers on various routes throughout the district, known as
State Project No. MP-1000-00(083) / 306069301 District Wide (1).

Project Completion: 05/21/2018

(STATE DELEGATED)

NOTICE

**BIDDERS MUST PURCHASE A BID PROPOSAL FROM
MDOT CONTRACT ADMINISTRATION DIVISION TO BID
THIS PROJECT.**

Electronic addendum updates will be posted on 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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(REVISIONS TO THE ABOVE WILL BE INDICATED ON THE SECOND SHEET
OF SECTION 905 AS ADDENDA)

06/28/2017 11:26 AM

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, July 25, 2017, from the Bid Express Service and shortly thereafter publicly read on the Sixth Floor for:

Raised Pavement Markers on various routes throughout the district, known as State Project No. MP-1000-00(083) / 306069301 District Wide (1).

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.

Bid proposals must be purchased online at <https://shopmdot.ms.gov>. Specimen proposals may be viewed and downloaded online at no cost at <http://mdot.ms.gov> or purchased online. Proposals are available 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.

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. 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 7th 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

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

http://ops.fhwa.dot.gov/freight/sw/brdgcalc/calc_page.htm

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 12

CODE: (IS)

DATE: 03/01/2017

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.

Device	Effective Date for MASH Compliance
W-beam barriers, cast-in-place concrete barriers	December 31, 2017
W-beam terminals	June 30, 2018
Cable barriers, cable barrier terminals, crash cushions	December 31, 2018
Bridge rails, transitions, all other longitudinal barriers including portable barriers installed permanently, 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. 115

CODE: (SP)

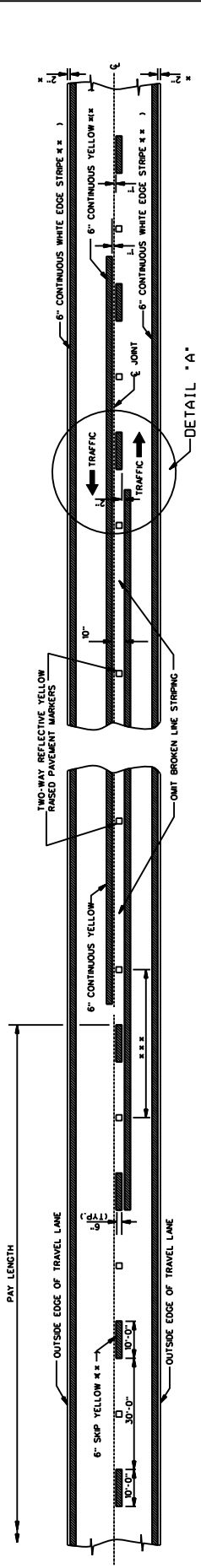
DATE: 04/19/2017

SUBJECT: Standard Drawings

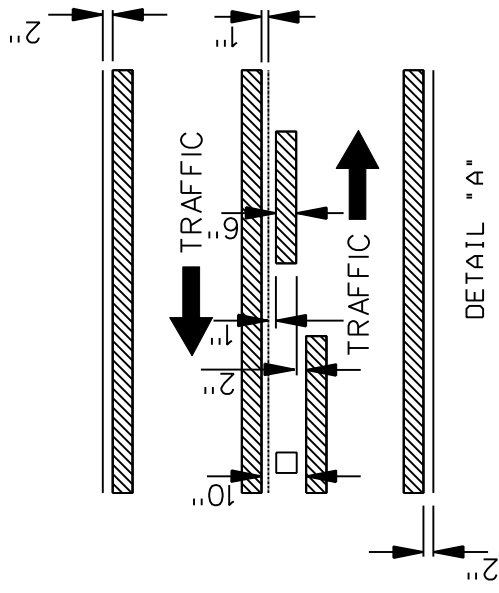
Standard Drawings attached hereto shall govern appropriate items of required work.

Larger copies of Standard Drawings may be purchased from:

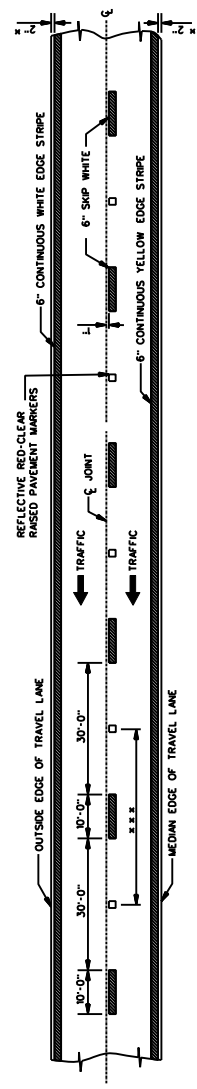
MDOT Plans Print Shop
MDOT Shop Complex, Building C, Room 114
2567 North West Street
P.O. Box 1850
Jackson, MS 39215-1850
Telephone: (601) 359-7460
or FAX: (601) 359-7461
or e-mail: plans@mdot.state.ms.us



TWO-WAY TRAFFIC
(ASPHALT OR CONCRETE PAVEMENT)



DETAIL "A"



4-LANE WITH ONE-WAY TRAFFIC



GENERAL NOTES:

- * 1. 2" UNLESS SHOWN ELSEWHERE ON THE PLANS.
- ** 2. EDGE STRIPE SHALL BE SAME MATERIAL AS LANE-LINE STRIPE (PAINT OR PLASTIC AS INDICATED IN PAY ITEMS).
- *** 3. SPACING OF REFLECTIVE RAISED PAVEMENT MARKERS IS AS FOLLOWS:

TANGENT SECTIONS	URBAN AREA (U/Lin)	RURAL AREA (U/Lin)
HORIZONTAL CURVES	40'-0"	80'-0"
INTERCHANGE LIMITS	40'-0"	40'-0"
	40'-0"	140'-0"

- 1. NOTE: ON THE MAIN FACILITY, REFLECTIVE RED-CLEAR RAISED PAVEMENT MARKERS ON A 40'-0" SPACING WILL BE REQUIRED ON LANE-LINES THROUGH ALL INTERCHANGE AREAS BEGINNING 1000' IN ADVANCE (IN DIRECTION OF TRAFFIC) OF THE EXIT RAMP AND ENDING 1000' FROM THE INTERCHANGE TO THE END OF THE ENTRANCE RAMP TAPER.
- 4. PAVEMENT MARKERS SHALL BE HIGH PERFORMANCE REFLECTIVE RAISED PAVEMENT MARKERS AS LISTED IN THE MOOT "APPROVED SOURCES OF MATERIALS."

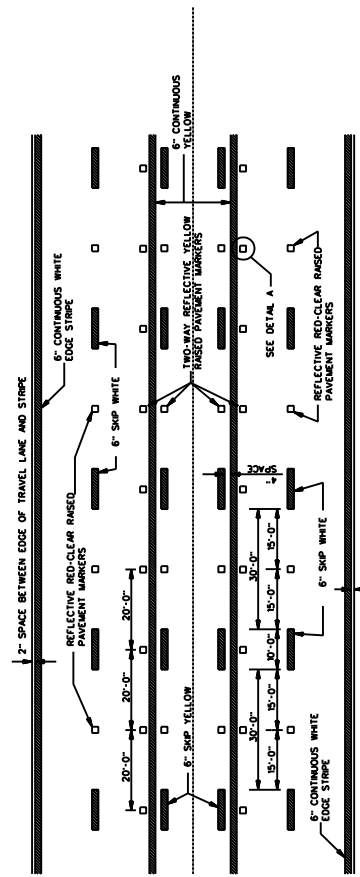
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

PAVEMENT MARKING
DETAILS FOR
2-LANE AND 4-LANE
DIVIDED HIGHWAYS

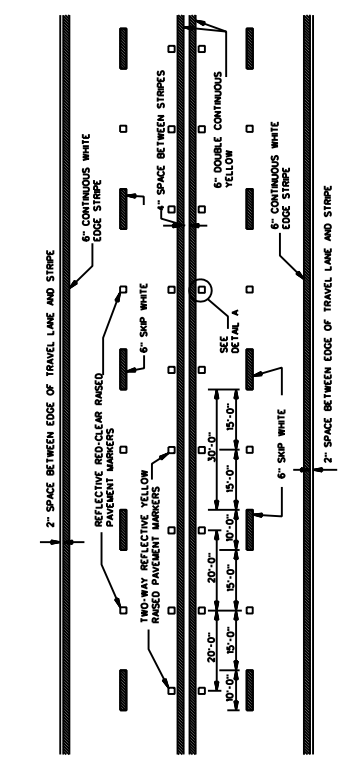
WORK NUMBER: PM-1
SHEET NUMBER: 100

ISSUE DATE: OCTOBER 1, 1998

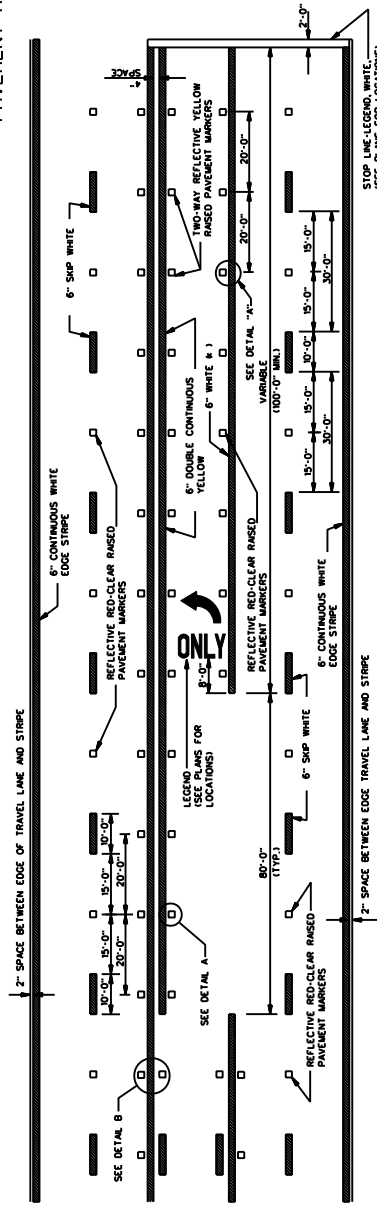
STATE	PROJECT NO.
MISS.	



TYPICAL STRIPING AND RAISED PAVEMENT MARKERS FOR 5-LANE SECTION



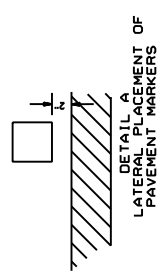
TYPICAL STRIPING AND RAISED PAVEMENT MARKERS FOR 4-LANE SECTION



TYPICAL STRIPING AND RAISED PAVEMENT MARKERS AT LEFT TURN LANES

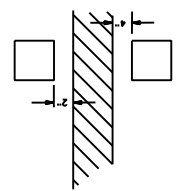
*NOTE: USE DETAIL STRIPING IF LENGTH \leq 150' AT THIS LOCATION, OTHERWISE USE CONTINUOUS STRIPING.

- TYPICAL TWO-WAY ARROW INSTALLATION
1. CONSIDER EACH SEGMENT OF CONTINUOUS TWO-WAY LEFT TURN LANE SEPARATELY.
 2. IF SEGMENT IS LESS THAN 300', PLACE ONE SET OF ARROWS IN CENTER OF SEGMENT.
 3. IF SEGMENT IS GREATER THAN 300', PLACE FIRST SET OF ARROWS 50' TO 100' FROM BEGINNING AND/OR END OF SEGMENT AND SPACE ADDITIONAL SETS OF ARROWS 1250' O.C.



DETAIL A
LATERAL PLACEMENT OF PAVEMENT MARKERS

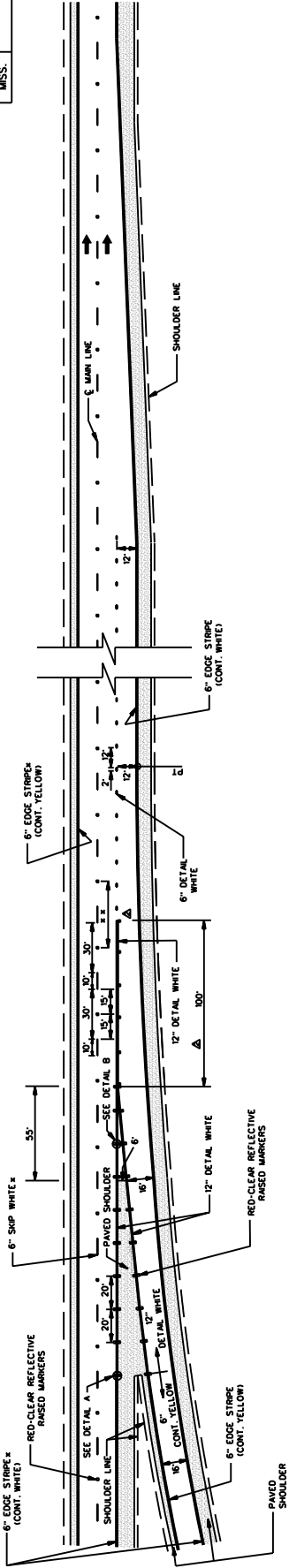
GENERAL NOTE:
1. PAVEMENT MARKERS SHALL BE HIGH PERFORMANCE RAISED PAVEMENT MARKERS AS LISTED IN THE MOOT-APPROVED SOURCES OF MATERIALS.



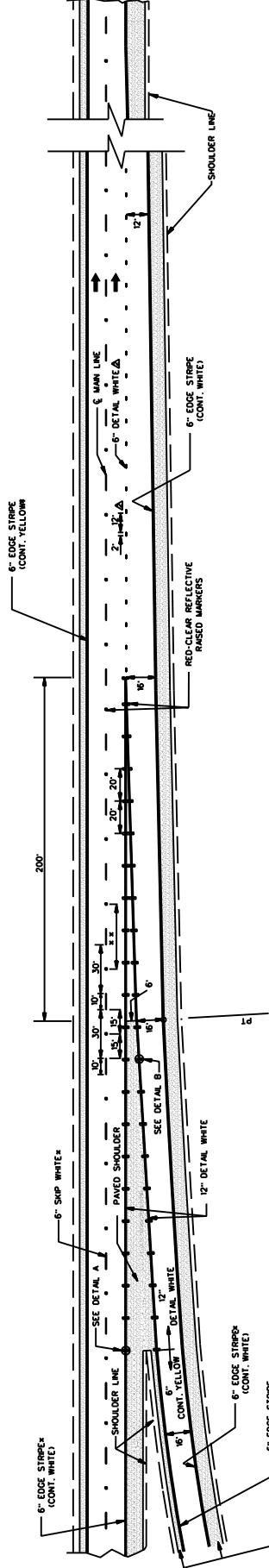
DETAIL B
LATERAL PLACEMENT OF PAVEMENT MARKERS

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
PAVEMENT MARKING	
DETAILS FOR	
4-LANE AND 5-LANE	
UNDIVIDED ROADWAYS	
DATE	03/20/12
FILENAME	SDPM-2.DGN
DESIGNER	CH2M
CHECKER	CH2M
DATE	03/20/12

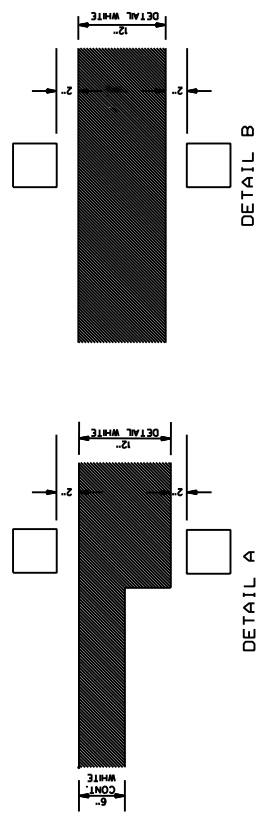
STATE	PROJECT NO.
MISS.	



PARALLEL ENTRANCE RAMP



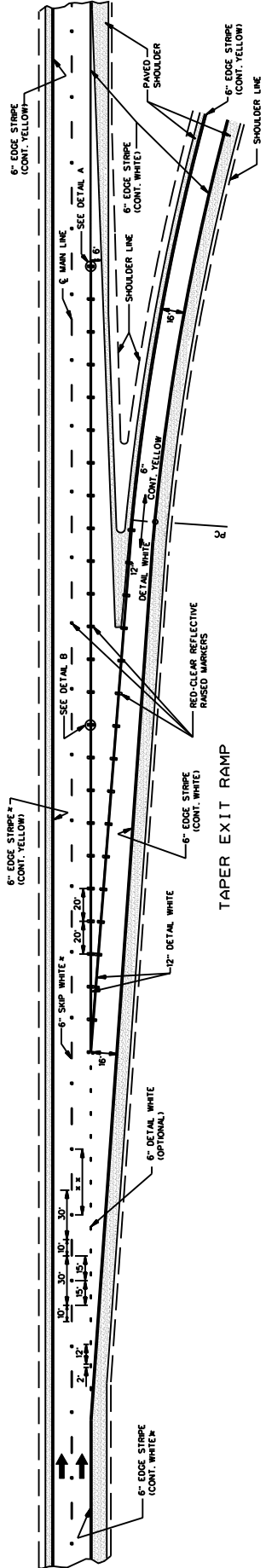
TAPER ENTRANCE RAMP



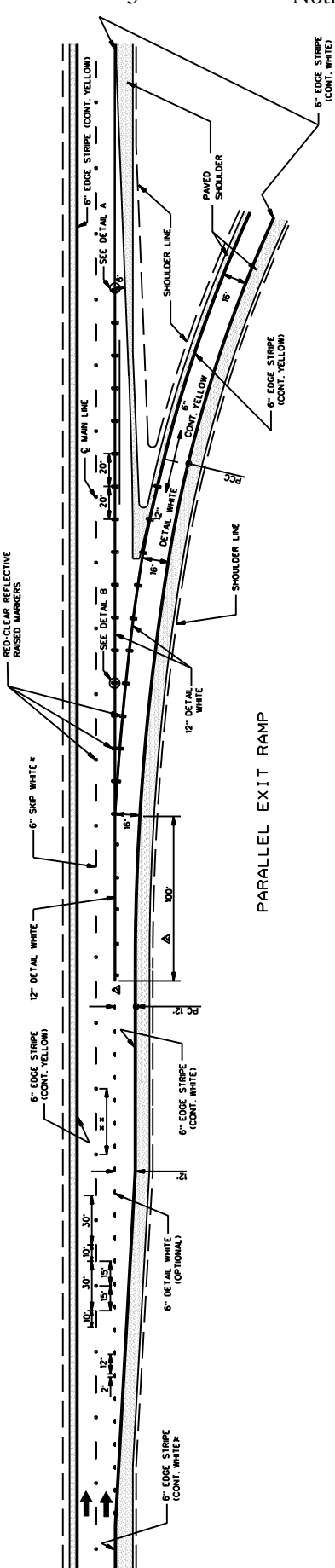
- GENERAL NOTES:
1. SEE SHEET PM-1 FOR THE PLACEMENT OF LANE-LINE STRIPES AND THE PLACEMENT OF THE EDGE LINE WITH RESPECT TO THE OUTSIDE EDGE OF THE TRAVELED WAY.
 2. ON THE MAIN FACILITY, PLACE REFLECTIVE RED-CLEAR RAISED PAVEMENT MARKERS AT A 40' SPACING ON ALL LANE-LINES THROUGHOUT THE INTERCHANGE AREA BEGINNING 300' IN THE MAIN FACILITY FROM THE INTERCHANGE TAPER AND CONTINUING THROUGH THE INTERCHANGE TO THE END OF THE ENTRANCE RAMP TAPER.
 3. PAVEMENT MARKERS SHALL BE HIGH PERFORMANCE REFLECTIVE RAISED PAVEMENT MARKERS AS LISTED IN THE MOOT "APPROVED SOURCES OF MATERIALS."

MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION	
PAVEMENT MARKING DETAILS FOR INTERCHANGE RAMP (PARALLEL AND TAPER)	
ISSUE DATE:	OCTOBER 1, 1998
WORKING NUMBER	SDPM-3
SHEET NUMBER	

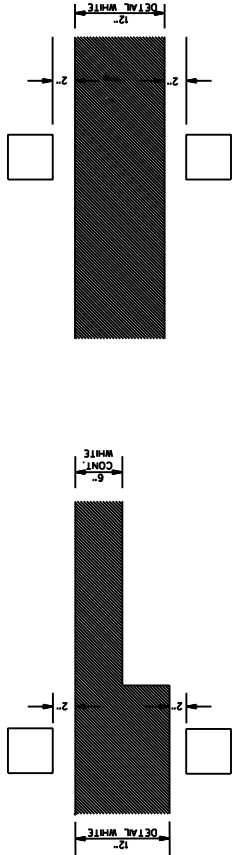
STATE	PROJECT NO.
MISS.	



TAPER EXIT RAMP



PARALLEL EXIT RAMP



- GENERAL NOTES:
- SEE SHEET PM-1 FOR THE PLACEMENT OF LINE-LINE STRIPE WITH RESPECT TO THE PAVEMENT JOINT AND FOR THE PLACEMENT OF THE EDGE LINE WITH RESPECT TO THE OUTSIDE EDGE OF THE TRAVELLED WAY.
 - ON THE MAINLINE, PLACE RED-REFLECTIVE RED-CLEAR BASED PAVED SHOULDERS, 10' WIDE, THROUGHOUT THE INTERCHANGE AREA 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.
 - PAVEMENT MARKERS SHALL BE HIGH PERFORMANCE REFLECTIVE PAVEMENT MARKERS AS SPECIFIED IN THE MOOT "APPROVED SOURCES OF MATERIALS."

DATE	10/1/99
BY	MS/MS
CHK'D	MS/MS
APP'D	MS/MS
DATE	10/1/99
BY	MS/MS
CHK'D	MS/MS
APP'D	MS/MS

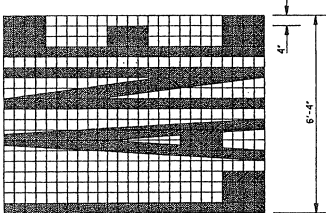
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION

PAVEMENT MARKING
DETAILS FOR
INTERCHANGE
EXIT RAMP
(PARALLEL AND TAPER)

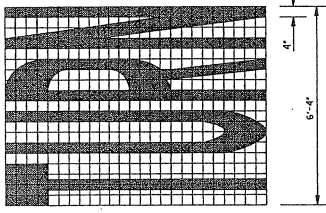
ISSUE DATE: OCTOBER 1, 1999

WORKING NUMBER: SDPM-41
SHEET NUMBER: 10

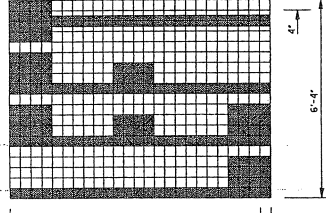
STATE MISS.	PROJECT NO.		
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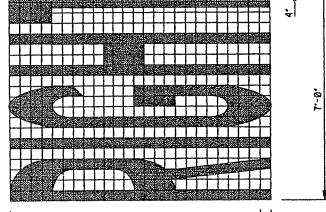
8'-4" (width)
4" (height)



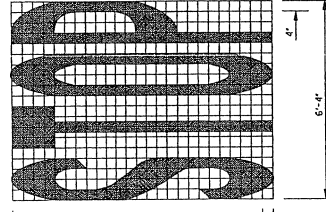
8'-4" (width)
4" (height)



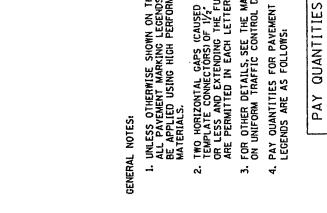
8'-4" (width)
4" (height)



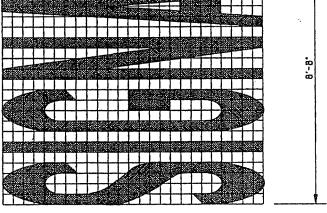
8'-4" (width)
4" (height)



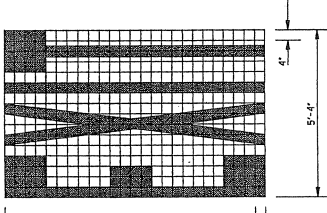
8'-4" (width)
4" (height)



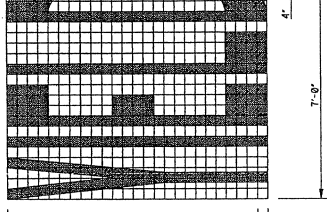
8'-4" (width)
4" (height)



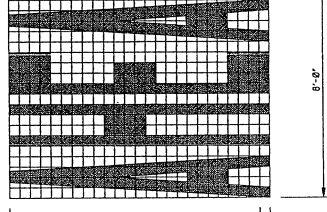
8'-4" (width)
4" (height)



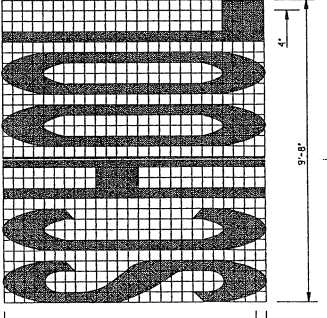
8'-4" (width)
4" (height)



8'-4" (width)
4" (height)



8'-4" (width)
4" (height)



8'-4" (width)
9'-8" (height)

GENERAL NOTES:

- UNLESS OTHERWISE SHOWN ON THE PLANS, ALL PAVEMENT MARKING LEGENDS SHALL BE APPLIED USING HIGH PERFORMANCE POLYURETHANE PAINT.
- TWO HORIZONTAL GAPS (CAUSED BY TEMPLATE CONNECTORS OF 1/4" OR LESS) AND EXTENDING LETTERS ARE ALLOWED.
- FOR OTHER DETAILS SEE THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
- PAY QUANTITIES FOR PAVEMENT MARKING LEGENDS ARE AS FOLLOWS:

LEGEND	AREA (FT ²)
STOP	24.6
RIGHT	18.8
LEFT	18.8
TURN	23.3
LANE	22.7
AHEAD	32.3
STOP	18.8
EXIT	18.8
SIGNAL	32.5
SCHOOL	35.5

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

**PAVEMENT MARKING
LEGEND DETAILS**

REVISION	DATE

STATE PROJECT NO.					
MISS.					

TURN ARROW

THRU ARROW

COMBINATION ARROW

1-WAY ARROW

GENERAL NOTES:

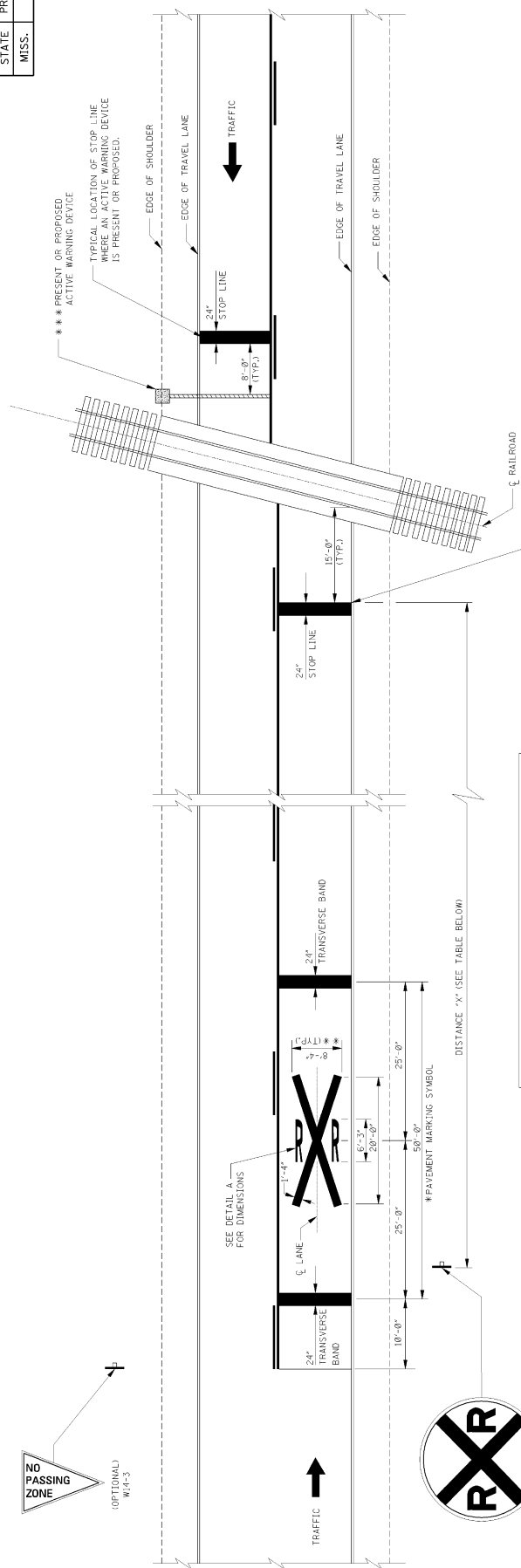
1. UNLESS OTHERWISE SHOWN ON THE PLANS, ALL PAVEMENT MARKING SHALL BE APPLIED USING HIGH PERFORMANCE MATERIALS.
2. TWO HORIZONTAL GAPS CAUSED BY TEMPLATE CONNECTORS OF 1/2" OR LESS AND EXTENDING THE FULL WIDTH ARE PERMITTED IN EACH LETTER.
3. FOR OTHER DETAILS, SEE THE MANUAL ON UNIFORM PAVEMENT MARKING LEGENDS.
4. PAY QUANTITIES FOR PAVEMENT MARKING LEGENDS ARE AS FOLLOWS:

PAY QUANTITIES	
LEGEND/SYMBOL	AREA (ft ²)
ONLY	22.0
TURN ARROW	18.4
THRU ARROW	21.2
COMBINATION ARROW	27.5
1-WAY ARROW	24.3

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

**PAVEMENT MARKING
LEGEND DETAILS**

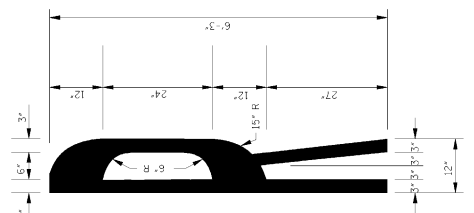
DATE	REVISION	BY	ISSUE DATE:	OCTOBER 1, 1998	SHEET NUMBER	125



ADVANCE WARNING SIGN PLACEMENT DISTANCE

POSTED SPEED (mph)	DISTANCE "X" (FT)	
	RURAL	URBAN
20	175	100
25	250	100
30	325	100
35	400	150
40	475	225
45	550	300
50	625	375
55	700	450
60	775	550

NOTES:
 ① DISTANCE "X" MAY BE ADJUSTED, IF PROHIBITIVE PHYSICAL CONDITIONS EXIST AT THE DESIGNATED DISTANCE.
 ② THESE DISTANCES MAY BE ADJUSTED TO A MINIMUM OF 100 IN. FOR BUSINESS OR BUSINESS DISTRICTS WHERE LOW SPEEDS ARE PREVALENT.



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

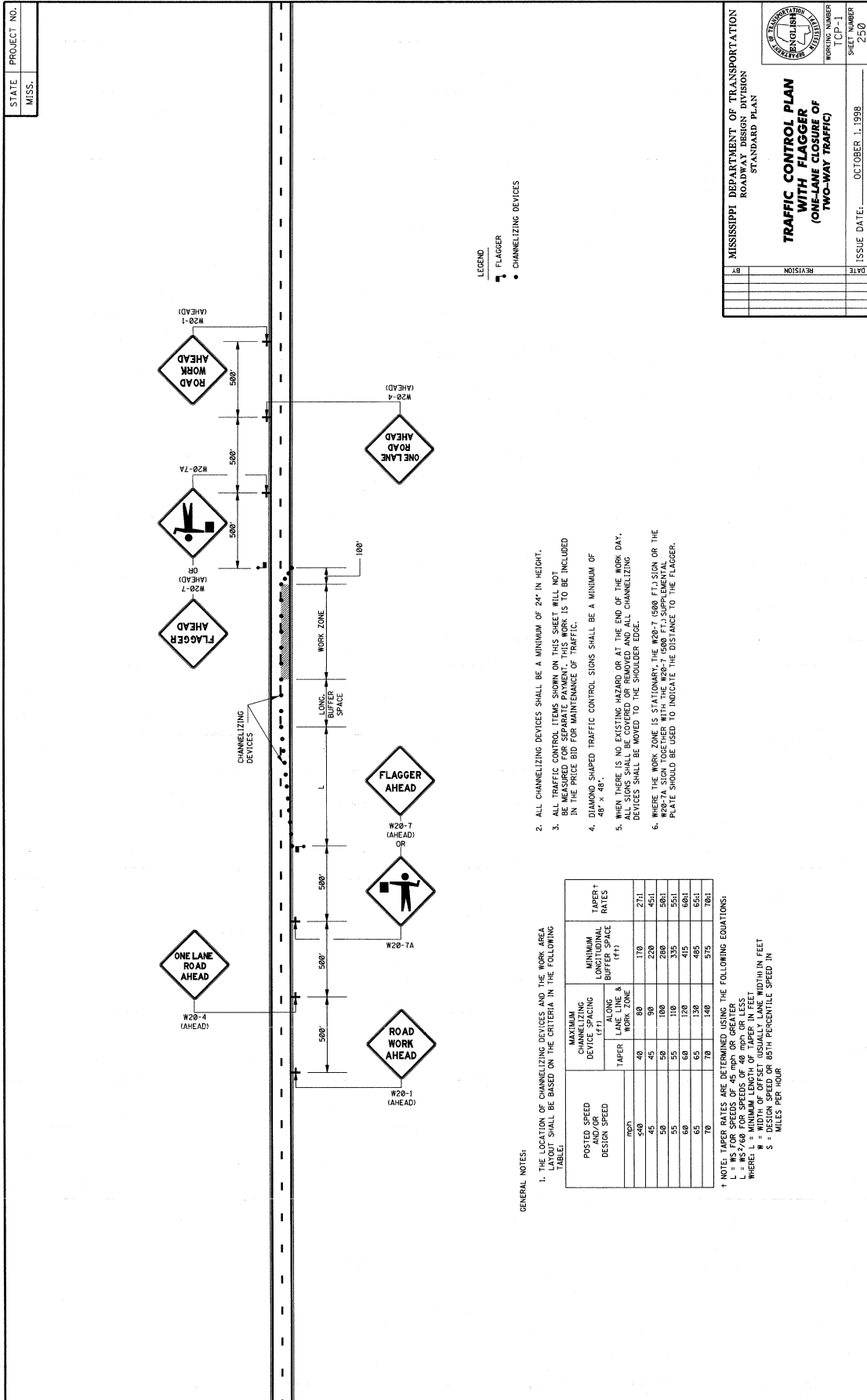
GENERAL NOTES:
 * 1. A PORTION OF THE PAVEMENT MARKING SYMBOL SHOULD BE DIRECTLY OPPOSITE THE ADVANCE WARNING SIGN (W10-1).
 * 2. WIDTH OF R X R SYMBOL MAY VARY ACCORDING TO LANE WIDTH. HOWEVER, ON MULTI-LANE ROADS, THE TRANSVERSE BANDS AND STOP LINE SHOULD EXTEND ACROSS ALL APPROACH LANES, AND INDIVIDUAL R X R SYMBOLS SHOULD BE USED IN EACH APPROACH LANE.
 * 3. R X R SYMBOL (63.0 #42), TRANSVERSE BANDS AND STOP LINE SHALL BE PAID FOR AS LEGEND, WHITE (PLASTIC), MATERIAL OPTIONAL FOR OTHER AGENCIES.
 * 4. REFER TO THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" FOR LOCATION OF PROPOSED WARNING DEVICES AT RAILROAD-HIGHWAY GRADE CROSSINGS.

DATE	REVISION
10-18-98	REVISE NOTE
12-08-98	
01-15-99	
03-16-99	
05-11-99	
07-14-99	
09-16-99	
11-18-99	
01-20-00	
03-22-00	
05-24-00	
07-26-00	
09-28-00	
11-30-00	
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09-30-15	
11-30-15	

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

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

WORKSHEET NO. 15
SHEET NUMBER 12 OF 18
ISSUE DATE: OCTOBER 11, 1998



STATE PROJECT NO.
MISS.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

**TRAFFIC CONTROL PLAN
WITH FLAGGER
(ONE-LANE CLOSURE OF
TWO-WAY TRAFFIC)**

WORKING NUMBER
TCP-1

SHEET NUMBER
250

ISSUE DATE: OCTOBER 1, 1998

DATE	REVISION

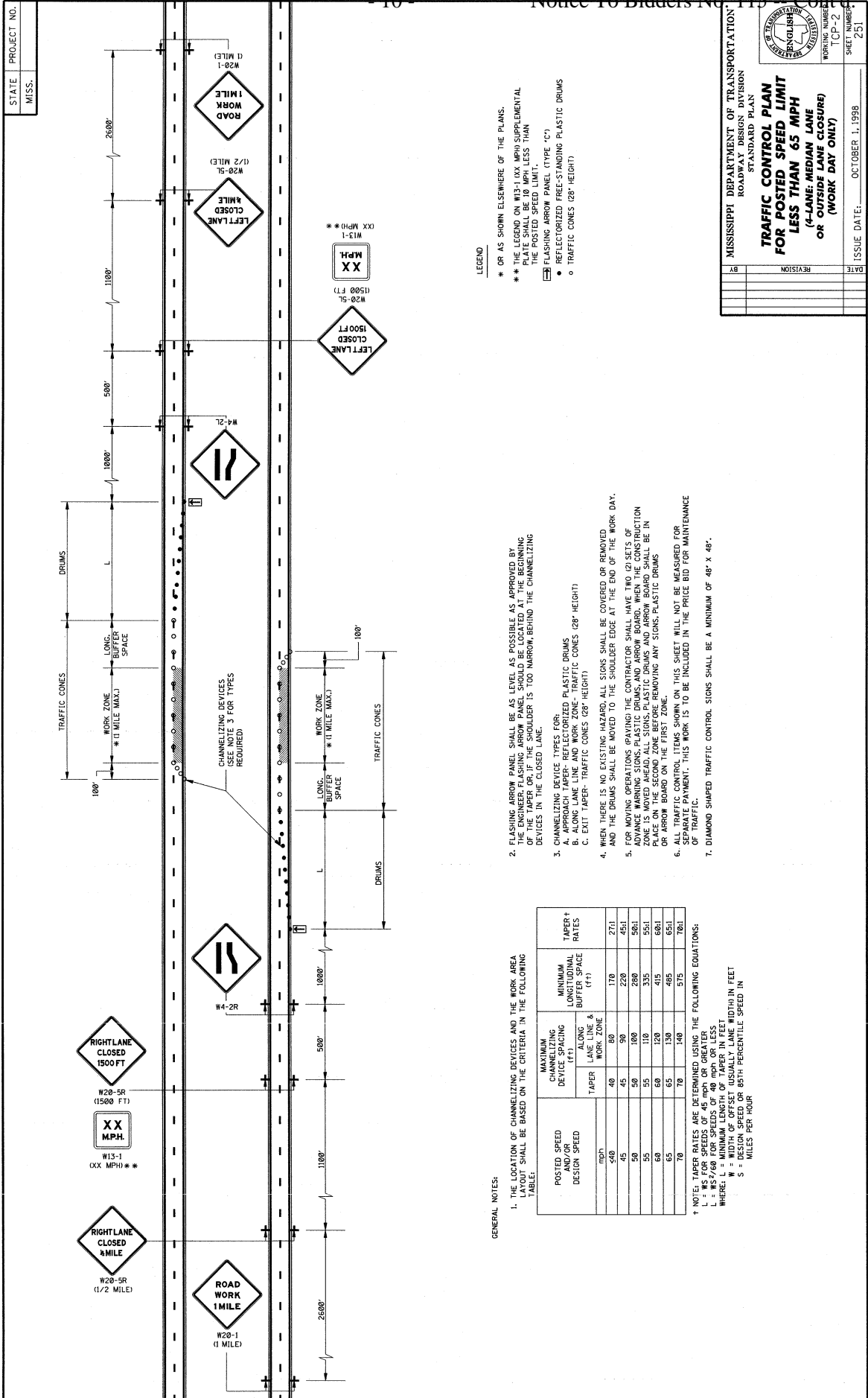
LEGEND
 FLAGGER
 CHANNELIZING DEVICES

2. ALL CHANNELIZING DEVICES SHALL BE A MINIMUM OF 24" IN HEIGHT.
3. 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.
4. DIAMOND SHAPED TRAFFIC CONTROL SIGNS SHALL BE A MINIMUM OF 48" X 48".
5. WHEN THERE IS NO EXISTING HAZARD OR AT THE END OF THE WORK DAY, DEVICES SHALL BE COVERED OR REMOVED AND ALL CHANNELIZING DEVICES SHALL BE MOVED TO THE SHOULDER EDGE.
6. WHERE THE WORK ZONE IS STATIONARY THE W20-7 (600 FT.) SIGN OR THE W20-7A SIGN TOGETHER WITH THE W20-7 (600 FT.) SUPPLEMENTAL PLATE SHOULD BE USED TO INDICATE THE DISTANCE TO THE FLAGGER.

GENERAL NOTES:
 1. THE LOCATION OF CHANNELIZING DEVICES AND THE WORK AREA LAYOUT SHALL BE BASED ON THE CRITERIA IN THE FOLLOWING TABLE:

POSTED SPEED AND/OR DESIGN SPEED (MPH)	MAXIMUM CHANNELIZING DEVICES ALONG TAPER		MINIMUM LONGITUDINAL BUFFER SPACE (FT)	TAPER RATES
	ALONG WORK ZONE	ALONG BUFFER SPACE		
40	40	80	170	27:1
45	45	90	220	45:1
50	50	100	280	50:1
55	55	110	335	55:1
60	60	120	415	66:1
65	65	130	485	65:1
70	70	140	575	76:1

† NOTE: TAPER RATES ARE DETERMINED USING THE FOLLOWING EQUATIONS:
 L = WS FOR SPEEDS OF 45 MPH OR GREATER
 L = WS FOR SPEEDS OF 40 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



- LEGEND**
- * OR AS SHOWN ELSEWHERE OF THE PLANS.
 - ** THE LEGEND ON W13-1 (XX MPH) SUPPLEMENTAL PLATE SHALL BE 10 MPH LESS THAN THE POSTED SPEED LIMIT.
 - REFLECTORIZED PRE-STANDING PLASTIC DRUMS
 - TRAFFIC CONES (28" HEIGHT)

2. FLASHING ARROW PANEL SHALL BE AS LEVEL AS POSSIBLE AS APPROVED BY THE ENGINEER. FLASHING ARROW PANEL SHOULD BE LOCATED AT THE BEGINNING OF THE TAPER OR IF THE SHOULDER IS TOO NARROW, BEHIND THE CHANNELIZING DEVICES IN THE CLOSED LANE.
3. CHANNELIZING DEVICE TYPES FOR:
 - A. APPROACH TAPER- REFLECTORIZED PLASTIC DRUMS
 - B. ALONG LANE LINE AND WORK ZONE- TRAFFIC CONES (28" HEIGHT)
 - C. EXIT TAPER- TRAFFIC CONES (28" HEIGHT)
4. WHEN THERE IS NO EXISTING HAZARD, ALL SIGNS SHALL BE COVERED OR REMOVED AND THE DRUMS SHALL BE MOVED TO THE SHOULDER EDGE AT THE END OF THE WORK DAY.
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 BEFORE REMOVING ANY SIGNS, PLASTIC DRUMS OR ARROW BOARD ON THE PREVIOUS ZONE.
6. 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.
7. DIAMOND SHAPED TRAFFIC CONTROL SIGNS SHALL BE A MINIMUM OF 48" X 48".

GENERAL NOTES:

1. THE LOCATION OF CHANNELIZING DEVICES AND THE WORK AREA SHALL BE BASED ON THE CRITERIA IN THE FOLLOWING TABLE:

POSTED SPEED AND/OR DESIGN SPEED	MAXIMUM CHANNELIZING DEVICE SPACING (FT)		MINIMUM LONGITUDINAL BUFFER SPACE (ft)	TAPER + TAPER RATES
	ALONG LANE LINE	WORK ZONE		
50	40	80	170	27:1
45	45	90	220	45:1
50	50	100	280	50:1
55	55	110	335	55:1
60	60	120	415	60:1
65	65	130	485	65:1
70	70	140	575	70:1

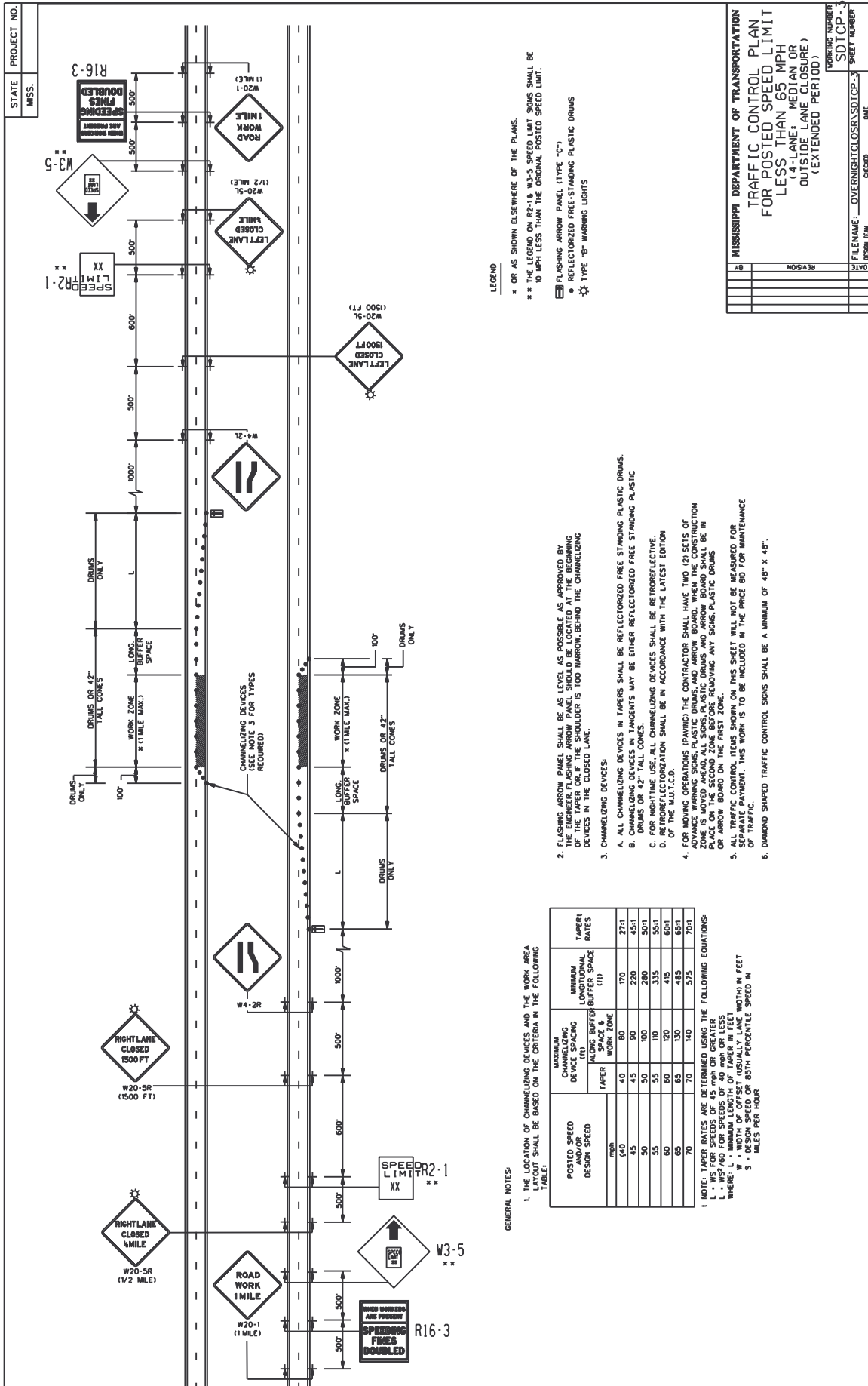
† NOTE: TAPER RATES ARE DETERMINED USING THE FOLLOWING EQUATIONS:
 $L = W^2$ FOR SPEEDS OF 45 MPH OR GREATER
 $L = WS$ FOR SPEEDS OF 30 MPH OR LESS
 WHERE L = MINIMUM LENGTH OF TAPER IN FEET
 W = WIDTH OF OFFSET USUALLY LANE WIDTH IN FEET
 S = DESIGN SPEED OR 85TH PERCENTILE SPEED IN MILES PER HOUR

STATE PROJECT NO. MISS.

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 CLOSED LANE CLOSURE)
 (WORK DAY ONLY)**

WORKING NUMBER: TCP-2
 SHEET NUMBER: 251
 ISSUE DATE: OCTOBER 1, 1998



STATE MISS. PROJECT NO.

R16-3
W3-5
XX
SPEED LIMIT 20-1

LEGEND

- x OR AS SHOWN ELSEWHERE OF THE PLANS.
- ** THE LEGEND ON R2-18 W3-5 SPEED LIMIT SIGNS SHALL BE 10 MPH LESS THAN THE ORIGINAL POSTED SPEED LIMIT.
- ◻ FLASHING ARROW PANEL (TYPE "C")
- ◻ REFLECTORIZED FREE-STANDING PLASTIC DRUMS
- ⊛ TYPE "B" WARNING LIGHTS

2. FLASHING ARROW PANEL SHALL 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 SHOULDER IS TOO NARROW, BEHIND THE CHANNELIZING DEVICES IN THE CLOSED LANE.

3. CHANNELIZING DEVICES:

- A. ALL CHANNELIZING DEVICES IN TAPERS SHALL BE REFLECTORIZED FREE STANDING PLASTIC DRUMS.
 - B. CHANNELIZING DEVICES IN TANGENTS MAY BE EITHER REFLECTORIZED FREE STANDING PLASTIC DRUMS OR 42" TALL CONES.
 - C. FOR NIGHTTIME USE, ALL CHANNELIZING DEVICES SHALL BE RETROREFLECTIVE.
 - D. RETROREFLECTORIZATION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE M.U.T.C.D.
4. FOR MOVING OPERATIONS (TAPERING) THE CONTRACTOR SHALL HAVE TWO (2) SETS OF CHANNELIZING DEVICES IN EACH TAPER. CHANNELIZING DEVICES SHALL BE PLACED ON THE SECOND ZONE BEFORE REMOVING ANY SIGNS, PLASTIC DRUMS OR ARROW BOARD ON THE FIRST ZONE.
5. ALL CHANNELIZING DEVICES SHOWN ON THIS SHEET WILL NOT BE USED FOR SEPARATE EVENTS. THIS WORK IS TO BE INCLUDED IN THE PRICE BID FOR MAINTENANCE OF TRAFFIC.
6. DIAMOND SHAPED TRAFFIC CONTROL SIGNS SHALL BE A MINIMUM OF 48" x 48".

GENERAL NOTES:

1. THE LOCATION OF CHANNELIZING DEVICES AND THE WORK AREA LAYOUT SHALL BE BASED ON THE CRITERIA IN THE FOLLOWING TABLE:

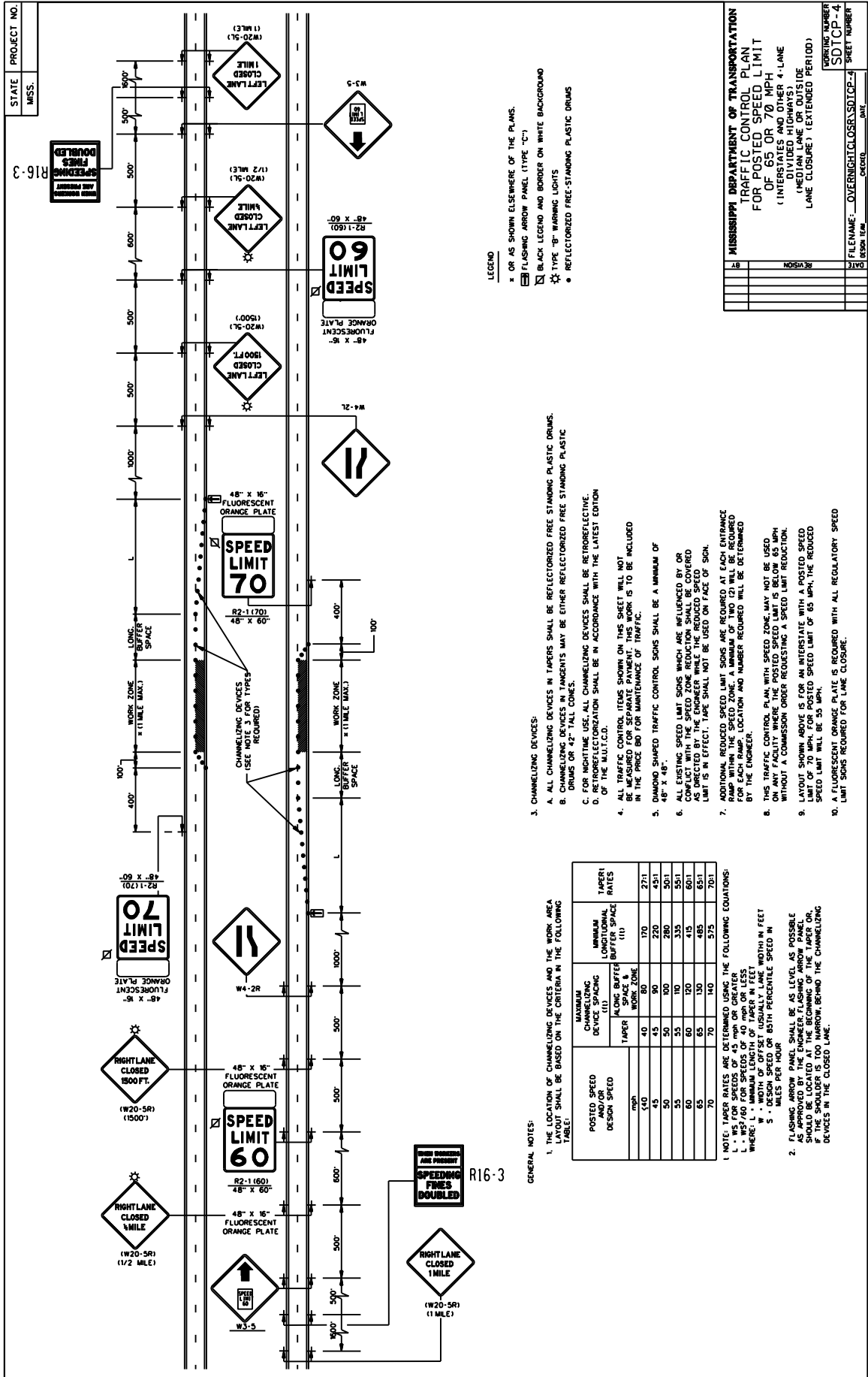
POSTED SPEED AND/OR DESIGN SPEED	MAXIMUM CHANNELIZING DEVICES SPACING ALONG BUFFER SPACE IN TAPER		MINIMUM LONGITUDINAL BUFFER SPACE (L)	TAPER RATES
	(L)	(T)		
40	40	80	170	27:1
45	45	90	220	45:1
50	50	100	280	50:1
55	55	110	335	55:1
60	60	120	415	60:1
65	65	130	485	65:1
70	70	140	575	70:1

1. NOTE: TAPER RATES ARE DETERMINED USING THE FOLLOWING EQUATIONS:
 L = WS FOR SPEEDS OF 45 MPH OR GREATER
 L = WS/40 FOR SPEEDS OF 40 MPH OR LESS
 WHERE:
 W = WIDTH OF OFFSET (USUALLY LANE WIDTH) IN FEET
 S = DESIGN SPEED OR 85TH PERCENTILE SPEED IN MILES PER HOUR

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 TRAFFIC CONTROL PLAN
 FOR POSTED SPEED LIMIT
 LESS THAN 65 MPH
 (4' LANE WIDTH OR
 DUST LANE CLOSURE)
 (EXTENDED PERIOD)

PROJECT NUMBER: SDT CP-3
 SHEET NUMBER: 11

DATE: _____
 REVISION: _____
 DESIGN ENGINEER: _____
 CHECKED: _____



STATE PROJECT NO.
MISS. R16-3

SPEEDING FINES DOUBLED
FOR THIS PROJECT

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL PLAN
FOR POSTED SPEED LIMIT
OF 65 OR 70 MPH
(INTERSTATES AND OTHER 4-LANE
DIVIDED HIGHWAYS)
LANE CLOSURE PERIODS
LANE CLOSURE (EXTENDED PERIOD)

REPORTING NUMBER
SDTCP-4

DATE: _____
DESIGNER: _____
CHECKED: _____
FILE NAME: OVERNIGHTCLOSURESDTCP-4

- LEGEND
- OR AS SHOWN ELSEWHERE OF THE PLANS.
 - FLASHING ARROW PANEL (TYPE "C")
 - BLACK LEGEND AND BORDER ON WHITE BACKGROUND
 - TYPE "B" WARNING LIGHTS
 - REFLECTORIZED FREE-STANDING PLASTIC DRUMS

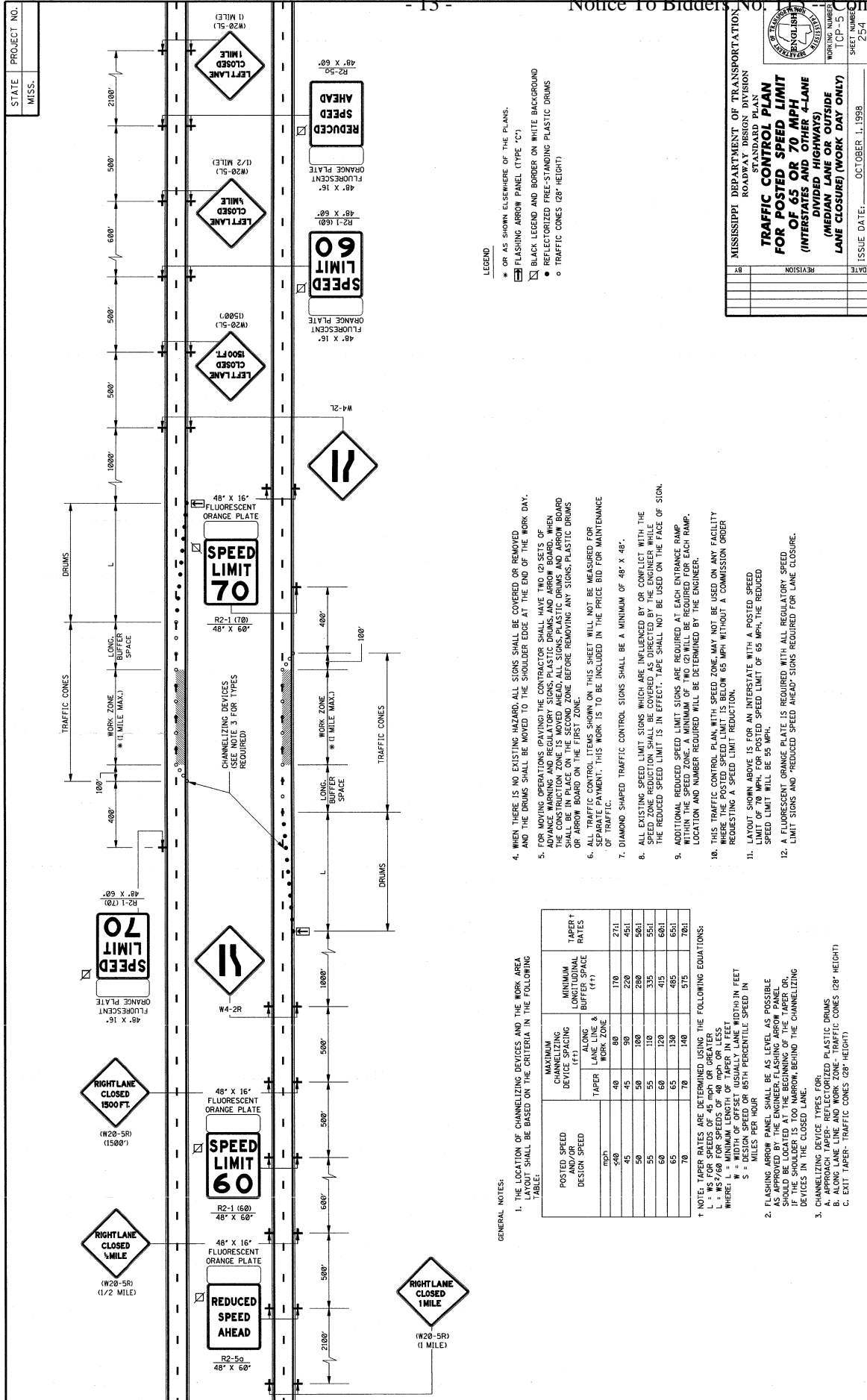
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- A. ALL CHANNELIZING DEVICES IN TAPERS SHALL BE REFLECTORIZED FREE STANDING PLASTIC DRUMS.
 - B. CHANNELIZING DEVICES IN TANGENTS MAY BE EITHER REFLECTORIZED FREE STANDING PLASTIC DRUMS OR 42" TALL CONES.
 - C. FOR NIGHTTIME USE, ALL CHANNELIZING DEVICES SHALL BE RETROREFLECTIVE.
 - D. REFLECTORIZATION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL.
4. ALL TRAFFIC CONTROL ITEMS SHOWN ON THIS SHEET WILL NOT BE INCLUDED IN THE PRICE BID FOR MAINTENANCE OF TRAFFIC.
5. CHANNELIZING DEVICES SHALL BE A MINIMUM OF 48" X 48".
6. ALL EXISTING SPEED LIMIT SIGNS WHICH ARE IN CONFLICT WITH THE SPEED ZONE REDUCTION SHALL BE COVERED AS DIRECTED BY THE ENGINEER WHILE THE REDUCED SPEED LIMIT IS IN EFFECT. TAPE SHALL NOT BE USED ON FACE OF SIGN.
7. ADDITIONAL REDUCED SPEED LIMIT SIGNS ARE REQUIRED AT EACH ENTRANCE RAMP WITHIN THE SPEED ZONE. A MINIMUM OF TWO (2) WILL BE REQUIRED FOR EACH RAMP. LOCATION AND NUMBER REQUIRED WILL BE DETERMINED BY THE ENGINEER.
8. THIS TRAFFIC CONTROL PLAN WITH SPEED ZONE MAY NOT BE USED WITHOUT A COMMISSION ORDER REQUESTING A SPEED LIMIT REDUCTION. LAYOUT SHOWN ABOVE IS FOR AN INTERSTATE WITH A POSTED SPEED LIMIT OF 70 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.

1. THE LOCATION OF CHANNELIZING DEVICES AND THE WORK AREA SHALL BE BASED ON THE CRITERIA IN THE FOLLOWING TABLE:

POSTED SPEED AND/OR DESIGN SPEED (mph)	MAXIMUM CHANNELIZING DEVICES SPACING ALONG BUFFER SPACE & WORK ZONE (ft)	MINIMUM LONGITUDINAL BUFFER SPACE RATES (ft)	
		TAPER	TAPER I
100	40	80	170
85	45	80	220
70	55	100	330
65	60	120	410
60	65	130	485
55	70	140	575

NOTES: TAPER RATES ARE DETERMINED USING THE FOLLOWING EQUATIONS:
 L = WS FOR SPEEDS OF 45 mph OR GREATER
 L = WS/60 FOR SPEEDS OF 40 mph OR LESS
 WHERE: L = MINIMUM REQUIRED BUFFER SPACE IN FEET
 W = WIDTH OF POSTED SPEED LIMIT SIGN IN FEET
 S = DESIGN SPEED OR 85TH PERCENTILE SPEED IN MILES PER HOUR

2. FLASHING ARROW PANEL SHALL BE AS LEVEL AS POSSIBLE. THE SIGN SHALL BE PLACED IN THE SHOULDER OF THE ROAD OR SHOULD BE PLACED IN THE SHOULDER BEHIND THE CHANNELIZING DEVICES IN THE CLOSED LANE.



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 SHALL BE AS LEVEL AS POSSIBLE. APPROACH TAPER REFLECTORIZED PLASTIC DRUMS SHOULD BE LOCATED AT THE BEGINNING OF THE TAPER OR, IF THE SHOULDER IS TOO NARROW, BEHIND THE CHANNELIZING DEVICES IN THE CLOSED LANE.
3. CHANNELIZING DEVICE TYPES FOR:
 - A. APPROACH TAPER- REFLECTORIZED PLASTIC DRUMS
 - B. EXIT TAPER- REFLECTORIZED PLASTIC DRUMS (28" HEIGHT)
 - C. EXIT TAPER- TRAFFIC CONES (28" HEIGHT)
4. WHEN THERE IS NO EXISTING HAZARD, ALL SIGNS SHALL BE COVERED OR REMOVED AND THE DRUMS SHALL BE MOVED TO THE SHOULDER EDGE AT THE END OF THE WORK DAY.
5. FOR MOVING OPERATIONS PAYING THE CONTRACTOR SHALL HAVE TWO (2) SETS OF CHANNELIZING DEVICES LOCATED AT THE BEGINNING AND END OF THE WORK ZONE. THE CONSTRUCTION ZONE IS MOVED AHEAD ALL SIGNS, PLASTIC DRUMS AND ARROW BOARD OR ARROW BOARD ON THE FIRST ZONE.
6. 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.
7. DIAMOND SHAPED TRAFFIC CONTROL SIGNS SHALL BE A MINIMUM OF 48" X 48".
8. ALL EXISTING SPEED LIMIT SIGNS WHICH ARE INFLUENCED BY OR CONFLICT WITH THE SPEED ZONE REDUCTION SHALL BE COVERED AS DIRECTED BY THE ENGINEER WHILE THE REDUCED SPEED LIMIT IS IN EFFECT. TAPE SHALL NOT BE USED ON THE FACE OF SIGN.
9. ADDITIONAL REDUCED SPEED LIMIT SIGNS ARE REQUIRED AT EACH ENTRANCE RAMP WITHIN THE SPEED ZONE. A MINIMUM OF TWO (2) WILL BE REQUIRED FOR EACH RAMP. LOCATION AND NUMBER REQUIRED WILL BE DETERMINED BY THE ENGINEER.
10. 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.
11. 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.
12. A FLUORESCENT ORANGE PLATE IS REQUIRED WITH ALL REGULATORY SPEED LIMIT SIGNS AND "REDUCED SPEED AHEAD" SIGNS REQUIRED FOR LANE CLOSURE.

POSTED SPEED DESIGN SPEED mph	CHANNELIZING DEVICE SPACING (FT)		MINIMUM LONGITUDINAL BUFFER SPACE (FT)	TAPER RATES
	LANE LINE & WORK ZONE	LANE LINE & WORK ZONE		
50	40	80	170	27:1
55	45	90	220	45:1
60	50	100	280	50:1
65	55	110	335	55:1
70	60	120	415	60:1
75	65	130	485	65:1
80	70	140	575	70:1

† NOTE: TAPER RATES ARE DETERMINED USING THE FOLLOWING EQUATIONS:
 L = WS FOR SPEEDS OF 45 mph OR GREATER
 L = WS²/60 FOR SPEEDS OF 40 mph OR LESS
 WHERE:
 W = WIDTH OF OFFSET (USUALLY LANE WIDTH) IN FEET
 S = DESIGN SPEED OR 85TH PERCENTILE SPEED IN MILES PER HOUR

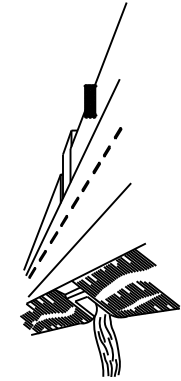
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2. FLASHING ARROW PANEL SHALL BE AS LEVEL AS POSSIBLE. APPROACH TAPER REFLECTORIZED PLASTIC DRUMS SHOULD BE LOCATED AT THE BEGINNING OF THE TAPER OR, IF THE SHOULDER IS TOO NARROW, BEHIND THE CHANNELIZING DEVICES IN THE CLOSED LANE.
3. CHANNELIZING DEVICE TYPES FOR:
 - A. APPROACH TAPER- REFLECTORIZED PLASTIC DRUMS
 - B. EXIT TAPER- REFLECTORIZED PLASTIC DRUMS (28" HEIGHT)
 - C. EXIT TAPER- TRAFFIC CONES (28" HEIGHT)

- LEGEND**
- * OR AS SHOWN ELSEWHERE OF THE PLANS.
 - ◻ FLASHING ARROW PANEL (TYPE "C")
 - ◻ BLACK LEGEND AND BORDER ON WHITE BACKGROUND
 - REFLECTORIZED FREE-STANDING PLASTIC DRUMS
 - TRAFFIC CONES (28" HEIGHT)

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 STANDARD PLAN
TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT OF 65 OR 70 MPH (INTERSTATES AND OTHER 4-LANE DIVIDED HIGHWAYS) (LANE CLOSURE) (WORK DAY ONLY)

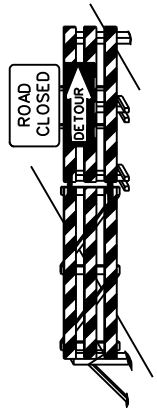
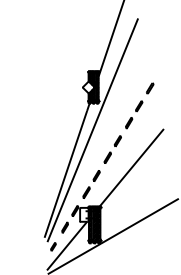
WORKING NUMBER: TCP-5
 SHEET NUMBER: 254
 ISSUE DATE: OCTOBER 1, 1988

DATE	REVISION



WING BARRICADES

- WING BARRICADES ARE TYPE BARRICADES ERECTED ON THE SHOULDER ON ONE OR BOTH SIDES OF THE PAVEMENT TO GIVE THE SENSATION OF A NARROWING OR 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 MOVING OPERATIONS.

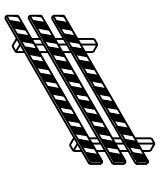


BARRICADE CLOSING A ROAD

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	35" MIN.	35" MIN.	60" MIN.
NUMBER OF REFLECTORIZED RAIL FACES	2 (ONE EACH DIRECTION)	4 (TWO EACH DIRECTION)	3 IF FACING TRAFFIC IN ONE DIRECTION 6 IF FACING TRAFFIC IN TWO DIRECTIONS
TYPE OF FRAME	LIGHT	LIGHT "X" FRAME	POST OR SHD

- * 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 OF REFLECTIVE AREA FACING TRAFFIC.



TYPE I



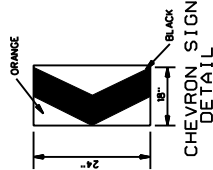
TYPE II



TYPE III

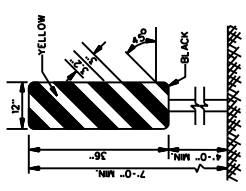
STANDARD BARRICADES

- A TYPE BARRICADE CONSISTS OF ONE (1) HORIZONTAL RAIL SUPPORTED BY A DEMOUNTABLE POST OR UPRIGHT. BARRICADES NORMALLY WOULD BE USED ON CONVENTIONAL ROADS OR URBAN STREETS AND ARTERIALS.
- A TYPE BARRICADE CONSISTS OF TWO (2) HORIZONTAL RAILS ON A LIGHT "X" FRAME. TYPE BARRICADES ARE INTENDED FOR USE WHERE THE HAZARD IS LESS SEVERE THAN THAT OF TYPE I AND TYPE II BARRICADES. THEY ARE USED FOR CONTINUOUS DELIMITING OF A RESTRICTED ROADWAY OR FOR TEMPORARY DAYTIME USE.
- A TYPE BARRICADE CONSISTS OF THREE (3) HORIZONTAL RAILS SUPPORTED BY FIXED POSTS, A ROAD SHD, A HEAVY DEMOUNTABLE FRAME OR A HEAVY WINGED "X" FRAME.
- TYPE BARRICADES ARE INTENDED FOR USE ON CONSTRUCTION AND MAINTENANCE PROJECTS AS BARRICADES AND AT ROAD CLOSURES, WHERE THEY MUST REMAIN IN PLACE FOR EXTENDED PERIODS.
- THE MARKING FOR BARRICADE RAILS SHALL BE ORANGE AND WHITE (SLOPING DOWNWARD AT AN ANGLE OF 45° IN THE DIRECTION TRAFFIC IS TO PASS).
- 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.



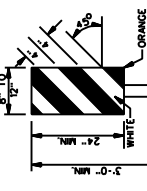
CHEVRON SIGN DETAIL

- 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 FIXED POST OR ROAD SHD.
- CHEVRON SIGNS MAY BE USED TO SUPPLEMENT OTHER STANDARD DEVICES WHERE ONE OR MORE LANES ARE CLOSED FOR CONSTRUCTION OR MAINTENANCE. THEY SHALL BE PLACED APPROXIMATELY 2'-0" BEHIND THE LANE TRANSITION STRIPE.



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 SHOWN. 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.



VERTICAL PANEL

- VERTICAL PANELS CONSIST OF AT LEAST ONE PANEL 8" TO 12" IN WIDTH AND A MINIMUM OF 24" IN HEIGHT.
- THE DIAGONAL STRIPES SHALL SLOPE DOWNWARD IN THE DIRECTION THAT TRAFFIC IS TO PASS THE PANEL. THE MINIMUM OF 36" ABOVE THE ROADWAY ON A SINGLE LIGHTMASS POST.
- VERTICAL PANELS USED ON EXPRESSWAYS, FREEWAYS AND OTHER HIGH-SPEED ROADWAYS SHALL HAVE A MINIMUM OF 70 IN OF RETROREFLECTIVE AREA FACING TRAFFIC.
- FOR TWO-WAY TRAFFIC OPERATIONS, BACK-TO-BACK PANELS SHALL BE USED.

- GENERAL NOTES:**
- MARKINGS ON ALL DEVICES SHOWN ON THIS SHEET SHALL BE HIGH INTENSITY REFLECTIVE SHEETING.
 - THE TRAFFIC CONTROL PLAN WILL LIST THE VARIOUS TRAFFIC CONTROL DEVICES REQUIRED FOR EACH PROJECT.

Notice To Bidder

- 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 MUTCD STANDARDS FOR BARRICADES. THE PREDOMINANT COLOR ON DRUMS SHALL BE ORANGE. STRIPES SHALL BE GREEN, HORIZONTAL, CIRCUMFERENTIAL STRIPES (2 ORANGE & 2 WHITE) 6" WIDE.
 - DRUMS SHOULD NEVER BE PLACED IN THE ROADWAY WITHOUT WARNING SIGNS.
 - WHERE PRACTICAL PLASTIC DRUMS SHALL BE PLACED NO CLOSER THAN 3'-0" FROM THE EDGE OF TRAVELED LANE.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

HIGHWAY SIGN AND BARRICADE DETAIL FOR CONSTRUCTS

WORKING NUMBER: SDTCP-10
SHEET NUMBER: 10
FILE NAME: SDTCP-10_06012012.DGN
PERSON: [blank]
DATE: [blank]

STATE MISS.	PROJECT NO.	
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MOBILE OPERATIONS ON MULTILANE ROAD

MOBILE OPERATIONS ON MULTILANE ROAD

NOTES:

- VEHICLES USED FOR THESE OPERATIONS SHOULD BE MADE HIGHLY VISIBLE WITH APPROPRIATE EQUIPMENT SUCH AS FLASHING LIGHTS, ROTATING BEACONS, FLAOS, SIGNS, OR ARROW PANELS.
- PROTECTION VEHICLE #1 SHOULD BE EQUIPPED WITH AN ARROW PANEL. AN APPROPRIATE LANE CLOSURE SIGN SHOULD BE PLACED ON PROTECTION VEHICLE #1 SO AS NOT TO OBSCURE THE ARROW PANEL.
- PROTECTION VEHICLE #2 SHOULD BE EQUIPPED WITH AN ARROW PANEL AND TRUCK-MOUNTED ATTENUATOR (TMA).
- PROTECTION VEHICLE #1 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, PROTECTION VEHICLE #1 SHOULD BE ELIMINATED.
- ON HIGH-SPEED ROADWAYS, A THIRD PROTECTION VEHICLE SHOULD BE USED (I.E., VEHICLE #1 ON THE SHOULDER (IF PRACTICAL), VEHICLE #2 IN THE CLOSED LANE, AND VEHICLE #3 IN THE CLOSED LANE).
- ARROW PANELS SHALL BE AS A MINIMUM TYPE B, 60" X 30" IN ACCORDANCE WITH THE CRITERIA PRESENTED IN THE MUTCD.
- WORK SHOULD NORMALLY BE DONE DURING OFF-PEAK HOURS.
- 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:

- WHERE PRACTICAL AND WHEN NEEDED, THE WORK AND PROTECTION VEHICLES SHOULD BE MADE HIGHLY VISIBLE WITH APPROPRIATE EQUIPMENT SUCH AS FLASHING LIGHTS, ROTATING BEACONS, FLAOS, SIGNS, OR ARROW PANELS. THIS EQUIPMENT SHOULD 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 PROTECTION VEHICLES MAY VARY ACCORDING TO TERRAIN, PAINT DRYING TIME, AND OTHER FACTORS. PROTECTION VEHICLES ARE USED TO WARN TRAFFIC OF THE OPERATION AHEAD. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE WORK, PROTECTION VEHICLES SHOULD BE ELIMINATED. THE PROTECTION VEHICLE SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.
- ADDITIONAL PROTECTION VEHICLES TO WARN AND REDUCE THE SPEED OF ONCOMING WORK OPERATION MAY BE USED. POLICE PATROL CARS MAY BE USED FOR THIS PURPOSE.
- A TRUCK-MOUNTED ATTENUATOR (TMA) SHOULD BE USED ON THE PROTECTION VEHICLE AND MAY BE USED ON THE WORK VEHICLE.
- THE WORK VEHICLE SHALL BE EQUIPPED WITH BEACONS, AND THE PROTECTION VEHICLE SHALL BE EQUIPPED WITH BEACONS. THE PROTECTION AND WORK VEHICLES SHOULD DISPLAY FLASHING OR ROTATING BEACONS BOTH FORWARD AND TO THE REAR.
- VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGN LOCATED AT A MINIMUM HEIGHT OF 48" ABOVE THE PAVEMENT. 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

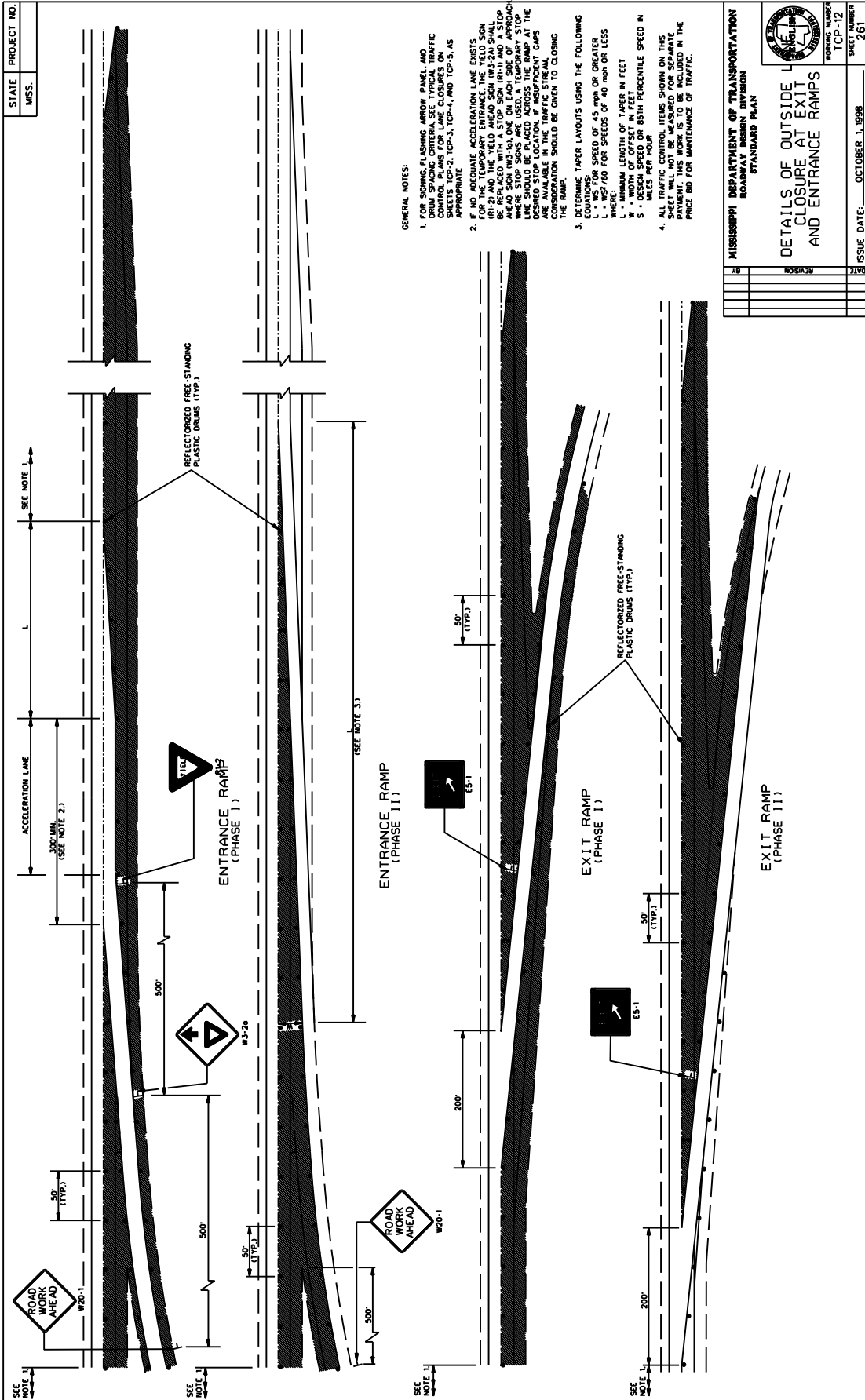
MOBILE OPERATIONS ON TWO-LANE ROAD

NOTES:

- WHERE PRACTICAL AND WHEN NEEDED, THE WORK AND PROTECTION VEHICLES SHOULD BE MADE HIGHLY VISIBLE WITH APPROPRIATE EQUIPMENT SUCH AS FLASHING LIGHTS, ROTATING BEACONS, FLAOS, SIGNS, OR ARROW PANELS. THIS EQUIPMENT SHOULD 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 PROTECTION VEHICLES MAY VARY ACCORDING TO TERRAIN, PAINT DRYING TIME, AND OTHER FACTORS. PROTECTION VEHICLES ARE USED TO WARN TRAFFIC OF THE OPERATION AHEAD. WHENEVER ADEQUATE STOPPING SIGHT DISTANCE EXISTS TO THE WORK, PROTECTION VEHICLES SHOULD BE ELIMINATED. THE PROTECTION VEHICLE SHOULD SLOW DOWN IN ADVANCE OF VERTICAL OR HORIZONTAL CURVES THAT RESTRICT SIGHT DISTANCE.
- ADDITIONAL PROTECTION VEHICLES TO WARN AND REDUCE THE SPEED OF ONCOMING WORK OPERATION MAY BE USED. POLICE PATROL CARS MAY BE USED FOR THIS PURPOSE.
- A TRUCK-MOUNTED ATTENUATOR (TMA) SHOULD BE USED ON THE PROTECTION VEHICLE AND MAY BE USED ON THE WORK VEHICLE.
- THE WORK VEHICLE SHALL BE EQUIPPED WITH BEACONS, AND THE PROTECTION VEHICLE SHALL BE EQUIPPED WITH BEACONS. THE PROTECTION AND WORK VEHICLES SHOULD DISPLAY FLASHING OR ROTATING BEACONS BOTH FORWARD AND TO THE REAR.
- VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGN LOCATED AT A MINIMUM HEIGHT OF 48" ABOVE THE PAVEMENT. 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.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN	
DATE	BY
REVISION	S.M.R.
REVISED	CAPTION
20	20

WORKING NUMBER TCP-11	SHEET NUMBER 260
ISSUE DATE: OCTOBER 1, 1998	

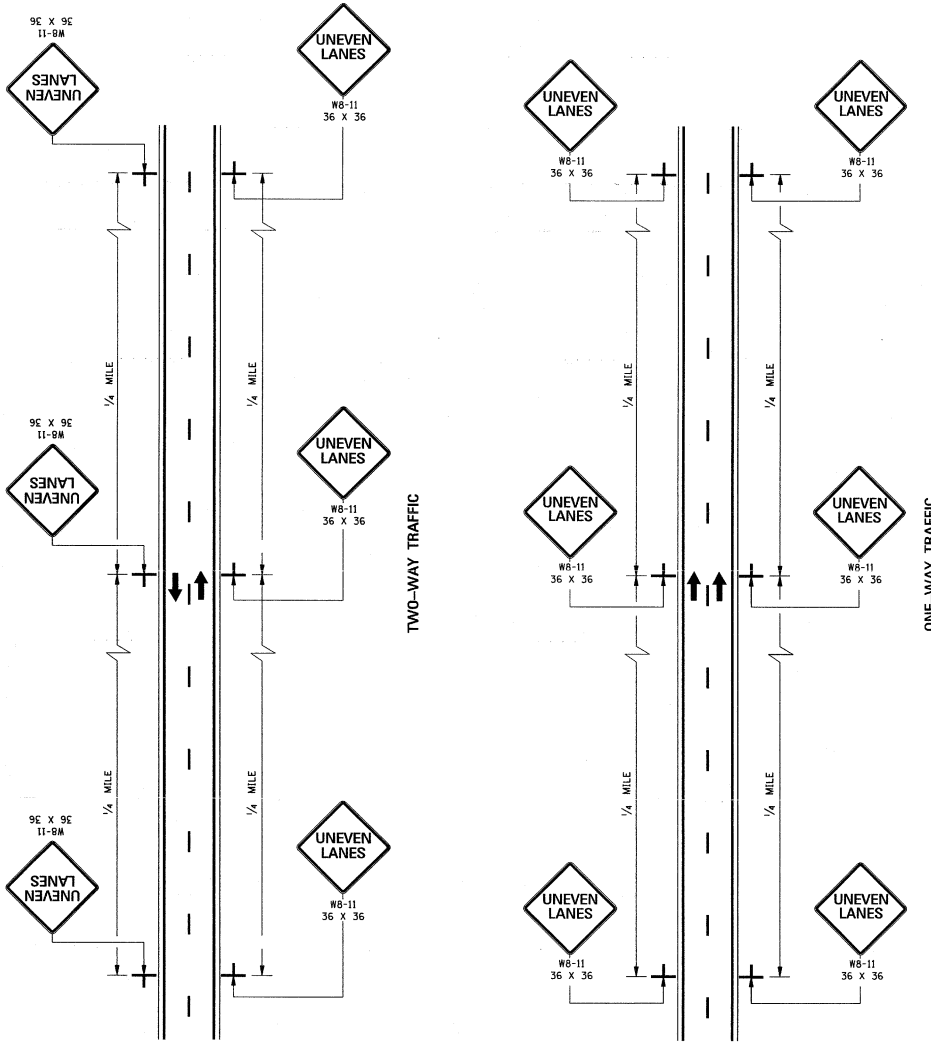


GENERAL NOTES:

- FOR SIGNING, FLASHING ARROW PANEL, AND TRAFFIC CONTROL PLANS FOR LANE CLOSURES, ON SHEETS TCC-2, TCC-3, TCC-4, AND TCC-5, AS APPROPRIATE.
- IF NO ADEQUATE ACCELERATION LANE EXISTS BEHIND THE RAMP, THE STOP SIGN (R1-1) AND STOP SIGN (W3-10), ONE ON EACH SIDE OF APPROACH, AND THE YIELD AHEAD SIGN (W3-26) SHALL BE REPLACED WITH A STOP SIGN (R1-1) AND A STOP SIGN (W3-10), ONE ON EACH SIDE OF APPROACH. THE STOP SIGN (R1-1) AND STOP SIGN (W3-10) SHALL BE PLACED AT THE DESIRED STOP LOCATION, IF INSUFFICIENT GAPS EXIST. THE STOP SIGN (R1-1) AND STOP SIGN (W3-10) SHALL BE PLACED AT THE DESIRED STOP LOCATION, IF INSUFFICIENT GAPS EXIST. THE STOP SIGN (R1-1) AND STOP SIGN (W3-10) SHALL BE PLACED AT THE DESIRED STOP LOCATION, IF INSUFFICIENT GAPS EXIST.
- DETERMINE TAPER LAYOUTS USING THE FOLLOWING EQUATIONS:
 - $L = 1.47 S T$ FOR SPEEDS OF 40 MPH OR GREATER
 - $L = WS^2 / 90$ FOR SPEEDS OF 40 MPH OR LESS
 WHERE:
 - L = MINIMUM LENGTH OF TAPER IN FEET
 - W = WIDTH OF TAPER IN FEET
 - S = DESIGN SPEED OR 85TH PERCENTILE SPEED IN MILES PER HOUR
 - T = TRAFFIC CONTROL ITEMS SHOWN ON THIS PLAN IN FEET
- ALL TRAFFIC CONTROL ITEMS SHOWN ON THIS PLAN SHALL BE PLACED AT THE DESIRED STOP LOCATION, IF INSUFFICIENT GAPS EXIST. THE STOP SIGN (R1-1) AND STOP SIGN (W3-10) SHALL BE PLACED AT THE DESIRED STOP LOCATION, IF INSUFFICIENT GAPS EXIST.

STATE		PROJECT NO.
MISS.		
MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY MAINTENANCE DIVISION STANDARD PLAN		
DETAILS OF OUTSIDE LANE CLOSURE AT EXIT AND ENTRANCE RAMP		
WORKING NUMBER	TCP-12	SHEET NUMBER
261		261
ISSUE DATE:	OCTOBER 1, 1998	

STATE	PROJECT NO.
MISS.	



GENERAL NOTES:

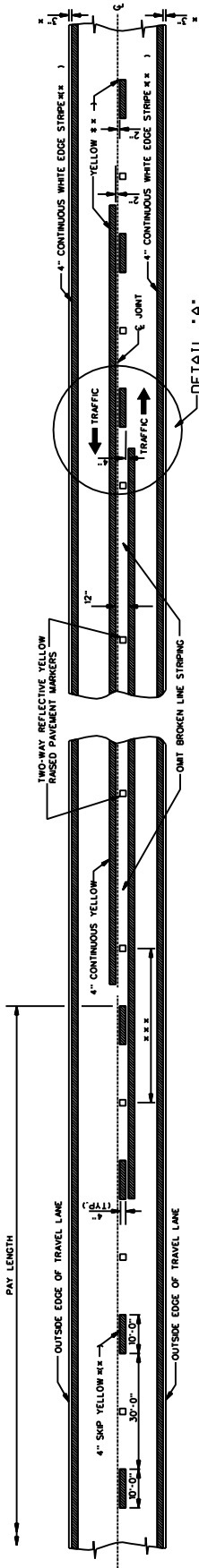
1. UNEVEN LANE LINE SPACING SHALL BE EQUAL TO 1/2" NO SIGNS REQUIRED.
 2. IF GREATER THAN 1/2" AND LESS THAN OR EQUAL TO 2/4" PLACE SIGNS AS SHOWN ON THIS SHEET.
 3. IF GREATER THAN 2/4" TRAFFIC SHOULD NOT BE ALLOWED TO CROSS UNEVEN LANE LINE.
2. ALL TRAFFIC CONTROL ITEMS SHOWN ON THIS SHEET SHALL BE PAID FOR UNDER MAINTENANCE OF TRAFFIC.
 3. THE W8-11 SIGNS SHALL BE SPACED AT 1/4-MILE INTERVALS THROUGHOUT UNEVEN LANE LINE LIMITS.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION
STANDARD PLAN

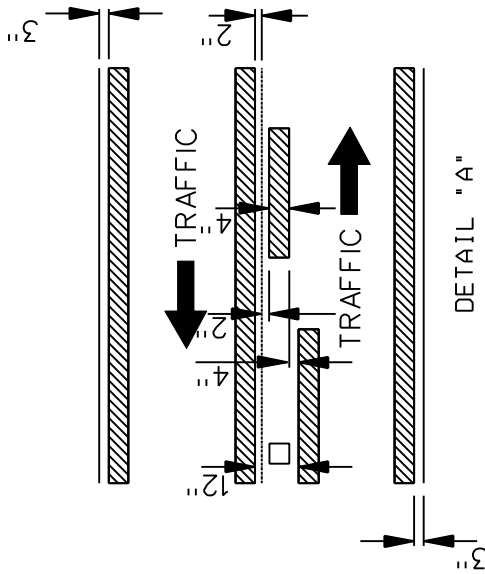
**TRAFFIC CONTROL PLANS
UNEVEN PAVEMENT
DETAILS**

WORKING NUMBER	CP-14
SHEET NUMBER	263
DATE	OCTOBER 1, 1998
BY	
REVISION	

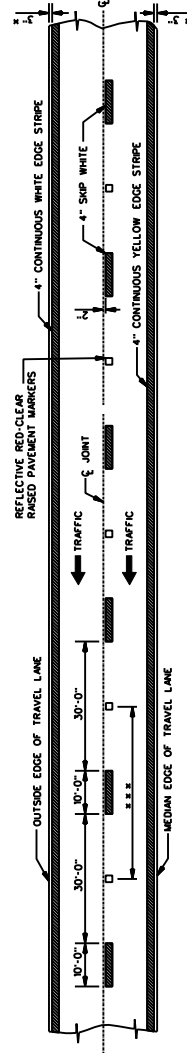
STATE	PROJECT NO.
MISS.	



TWO-WAY TRAFFIC
(ASPHALT OR CONCRETE PAVEMENT)



DETAIL "A"



4-LANE WITH ONE-WAY TRAFFIC



GENERAL NOTES:

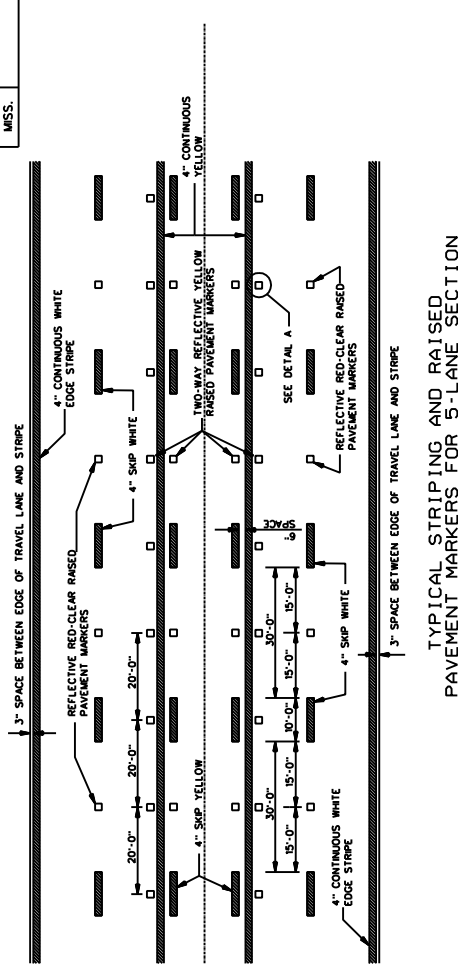
- * 1. 3" UNLESS SHOWN ELSEWHERE ON THE PLANS.
- ** 2. EDGE STRIPE SHALL BE SAME MATERIAL AS LANE-LINE STRIPE (PAINT OR TAPE AS INDICATED IN PAY ITEMS).
- *** 3. SPACING OF REFLECTIVE RAISED PAVEMENT MARKERS IS AS FOLLOWS:

TARGET SECTIONS	URBAN AREA (U-L-4)	RURAL AREA (U-L-4)
LANE LINES	40'-0"	80'-0"
INTERCHANGE LIMITS	40'-0"	140'-0"

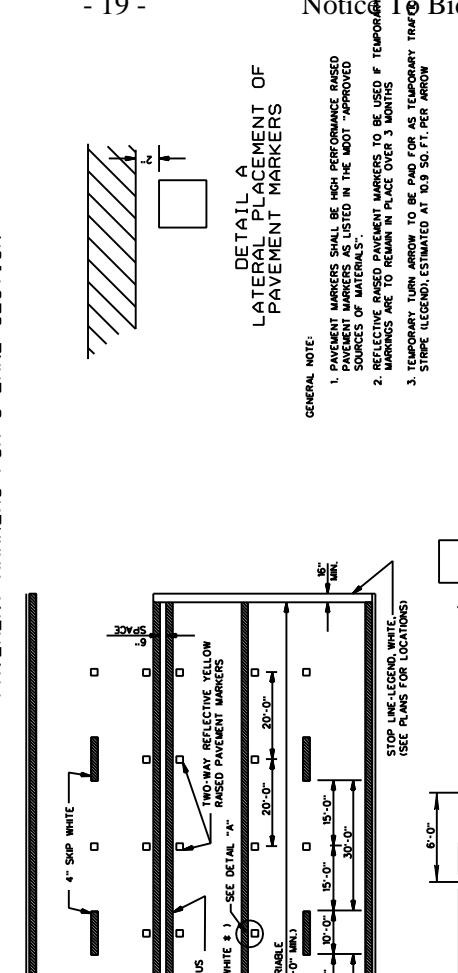
- 1. NOTE: ON THE MAIN FACILITY, REFLECTIVE RED-CLEAR RAISED PAVEMENT MARKERS SHALL BE USED THROUGH ALL INTERCHANGE AREAS BEGINNING 1000' IN ADVANCE (IN DIRECTION OF TRAFFIC) OF THE EXIT RAMP TAPER AND CONTINUING THROUGH THE INTERCHANGE TO THE END OF THE ENTRANCE RAMP TAPER.
- 2. PAVEMENT MARKERS SHALL BE HIGH PERFORMANCE REFLECTIVE MATERIALS AS APPROVED BY THE STATE IN THE MOOT "APPROVED SOURCES OF MATERIALS."
- 3. REFLECTIVE RAISED PAVEMENT MARKERS TO BE USED IF TEMPORARY MARKERS ARE TO REMAIN IN PLACE OVER 3 MONTHS.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN	
TEMPORARY STRIPING FOR TRAFFIC CONTROL 2-LANE AND 4-LANE DIVIDED HIGHWAYS	
WORKING NUMBER	TCP-15
SHEET NUMBER	264
ISSUE DATE:	DECEMBER 1, 1999

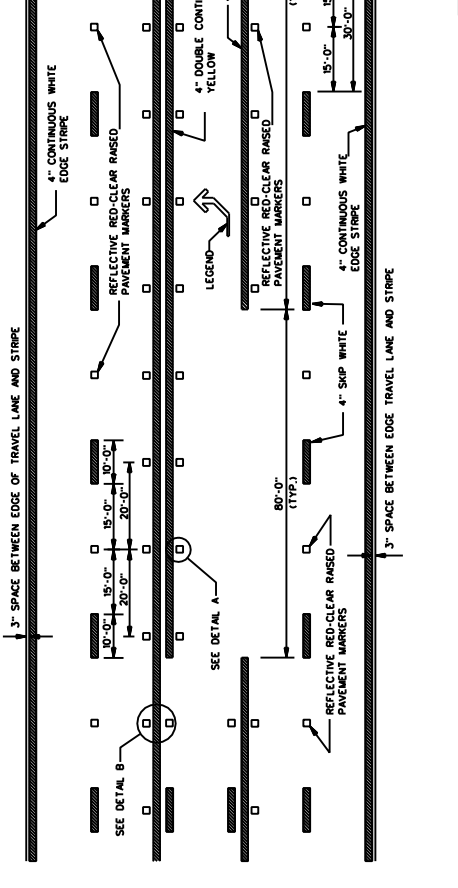
STATE	PROJECT NO.
MISS.	



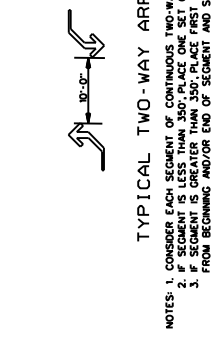
TYPICAL STRIPING AND RAISED PAVEMENT MARKERS FOR 5-LANE SECTION



TYPICAL STRIPING AND RAISED PAVEMENT MARKERS FOR 4-LANE SECTION

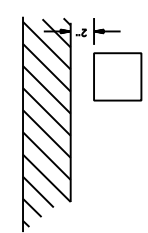


TYPICAL STRIPING AND RAISED PAVEMENT MARKERS AT LEFT TURN LANES



TYPICAL TWO-WAY ARROW INSTALLATION
 NOTES: 1. CONSIDER EACH SEGMENT OF CONTINUOUS TWO-WAY LEFT TURN LANE SEPARATELY.
 2. IF SEGMENT IS LESS THAN 350', PLACE ONE SET OF ARROWS IN CENTER OF SEGMENT.
 3. 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 (250 O.C.).

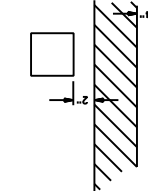
DETAIL A LATERAL PLACEMENT OF PAVEMENT MARKERS



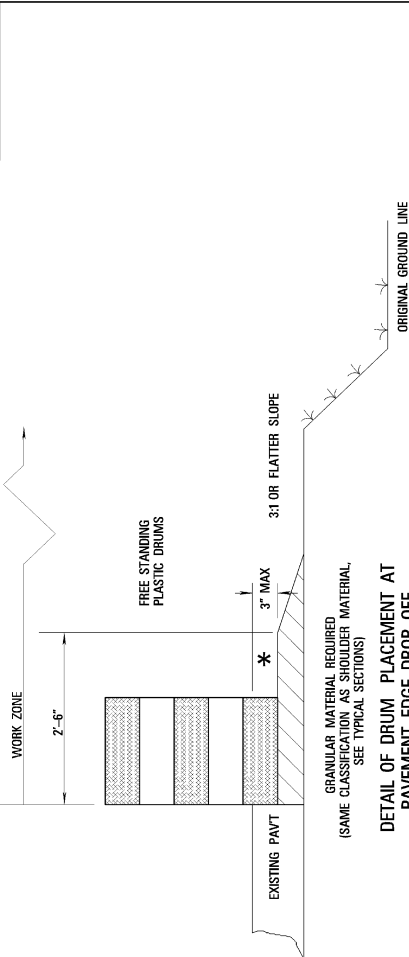
GENERAL NOTE:

- 1. PAVEMENT MARKERS SHALL BE HIGH PERFORMANCE RAISED PAVEMENT MARKERS AS LISTED IN THE MOST APPROVED SOURCE OF MATERIALS.
- 2. REFLECTIVE RAISED PAVEMENT MARKERS TO BE USED IF TEMPORARY MARKERS ARE TO REMAIN IN PLACE OVER 3 MONTHS.
- 3. TEMPORARY TURN ARROW TO BE PAID FOR AS TEMPORARY TRAFFIC CONTROL MARKERS, ESTIMATED AT 10.9 SQ. FT. PER ARROW.

DETAIL B LATERAL PLACEMENT OF PAVEMENT MARKERS



MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN	
TEMPORARY STRIPING FOR TRAFFIC CONTROL 4-LANE AND 5-LANE UNDIVIDED ROADWAYS	
WORKING NUMBER	TCP-16
SHEET NUMBER	265
ISSUE DATE:	DECEMBER 1, 1999



GRANULAR MATERIAL REQUIRED
IS SAME CLASSIFICATION AS SHOULDER MATERIAL,
SEE TYPICAL SECTIONS

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

NOTES

- * A. PAVEMENT EDGE DROP-OFF
 1. IF LESS THAN TWO AND ONE QUARTER (2.25) INCHES-NO PROTECTION REQUIRED. PLACE A SHOULDER WORK SIGN (W21-5) 500 FEET IN ADVANCE OF WORK ZONE SHOULDER AND A LOW SHOULDER SIGN (W8-3) AT THE BEGINNING AND THROUGHOUT THE WORK ZONE @ (750 ± 0.0).
 2. TWO AND ONE QUARTER TO THREE INCHES-PLACE DRUMS, VERTICAL PANELS OR BARRICADES EVERY 100 FEET ON TANGENT SECTIONS FOR SPEEDS OF 50 MILES PER HOUR OR GREATER. COMES 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 M.U.T.C.D. (1/3 L, WHERE L IS THE TAPER LENGTH IN FEET)
 3. GREATER THAN THREE (3) INCHES-POSITIVE SEPARATION OR WEDGE WITH 3:1 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

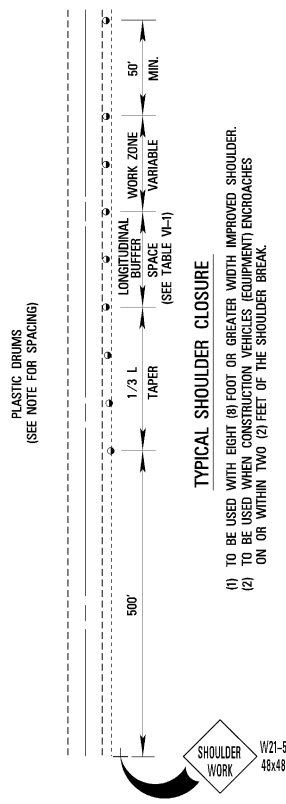
- 1. TANGENTS = 2 X S
- 2. CURVES = L X W
- WHERE L = 1/3 X W
- L = TAPER LENGTH IN FEET
- S = SPEED IN MPH (POSTED OR 85 PERCENTILE)
- W = WIDTH OF OFFSET IN FEET

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

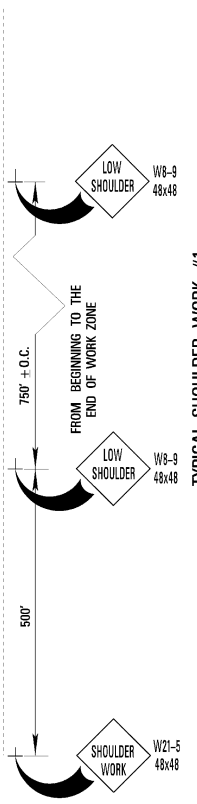
TABLE V-1 GUIDELINES FOR LENGTH OF LONGITUDINAL BUFFER SPACE

SPEED (MPH)	MINIMUM BUFFER SPACE (FEET)
20	35
25	45
30	55
35	65
40	75
45	85
50	95
55	105
60	115
65	125
70	135
75	145
80	155
85	165
90	175
95	185
100	195
110	215
120	235
130	255
140	275
150	295
160	315
170	335
180	355
190	375
200	395
210	415
220	435
230	455
240	475
250	495

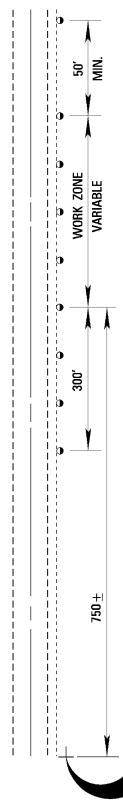
* POSTED SPEED OFF-PEAK 85 PERCENTILE SPEED
PRIOR TO WORK STARTING OR THE ANTICIPATED
GROUNDING SPEED IN MPH



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



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



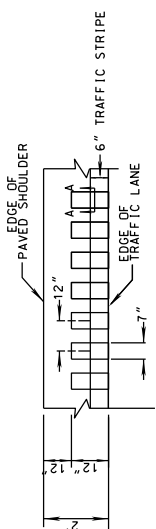
TYPICAL SHOULDER WORK #2

NOTE: WORK OUTSIDE THE (2) FOOT LIMIT 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.

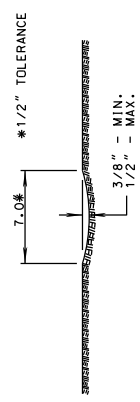
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL DETAILS
DRUM PLACEMENT
AND
SHOULDER CLOSURE

PROJECT NO.: _____
COUNTY: _____
FILE NAME: _____
PERSON: _____
DATE: 12-28-93

WORKING NUMBER: _____
TCP NO.: _____
SHEET NUMBER: _____

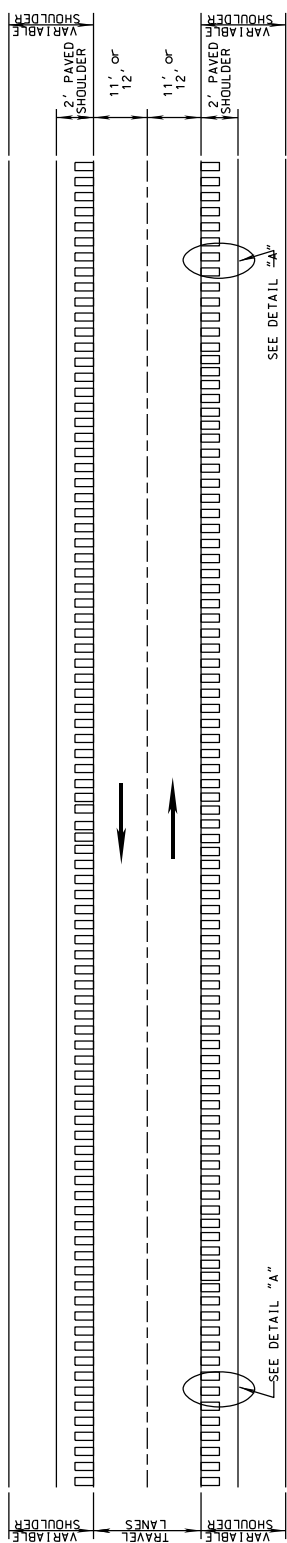


DETAIL "A"



SECTION "A-A"

- GENERAL NOTES
1. GROUND-IN RUMBLE STRIPES SHALL BE APPLIED ON LEFT AND RIGHT SHOULDERS OF ALL PAVED SHOULDERS ON THIS PROJECT
 2. GROUND-IN RUMBLE STRIPES SHALL BE OMITTED ACROSS PRINCIPAL INTERSECTING ROADWAYS OR OTHER INTERRUPTIONS IN NORMAL SHOULDER WIDTH AS DIRECTED BY THE ENGINEER
 3. COST TO BE PAID FOR USING APPROPRIATE PAY ITEMS
 4. GROUND-IN RUMBLE STRIPES SHALL BE APPLIED TO MAINLINE ONLY.
 5. DO NOT USE WHERE TRAVEL LANE IS LESS THAN 11' WIDE.

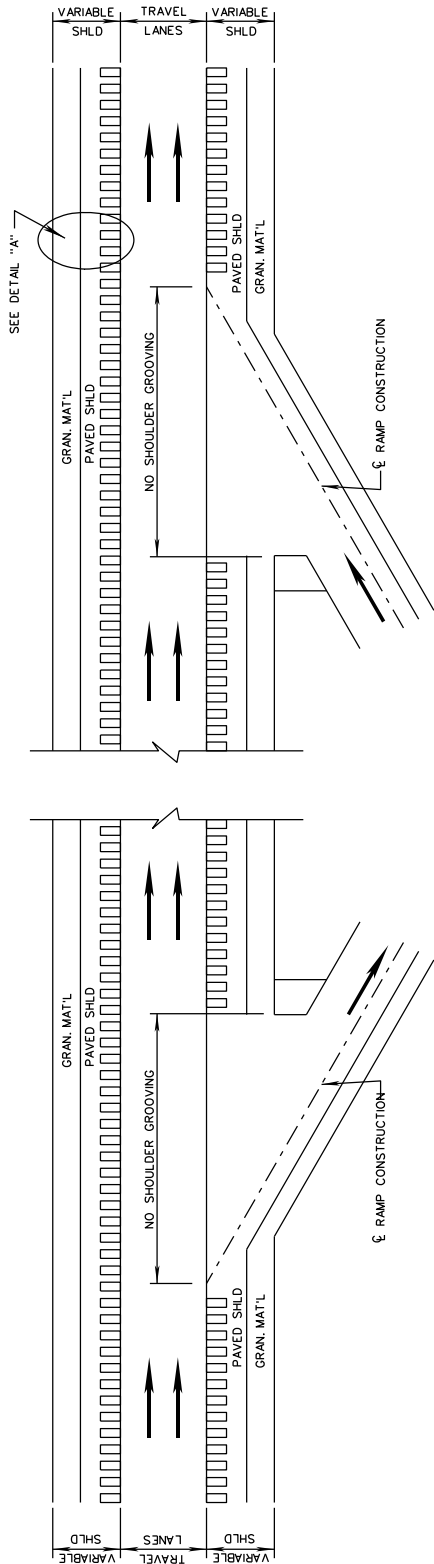
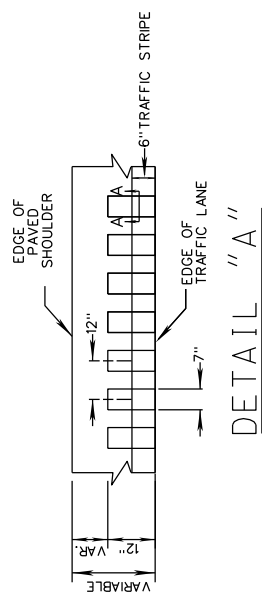


PLAN
NOT TO SCALE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
RUMBLE STRIPES	
2-LANE HIGHWAYS	
(ASPH. LANES,	
2-FT ASPH. SHLD)	
PROJECT NO:	
COUNTY:	
ISSUING NUMBER	RS-1
SHEET NUMBER	
DATE	05/02/14
BY	
REVISION	
DATE	
FILE NAME	
DESIGN TEAM	SERVICES
CHECKED	

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
RUMBLE STRIPES	
4-LANE HIGHWAYS	
(ASPH. LANES, 2-FT ASPH. SHLD)	
PROJECT NO:	002
COUNTY:	
WORKING NUMBER	RS-2
SHEET NUMBER	002
DATE	05/01/14
CHECKED	
DESIGN TEAM	

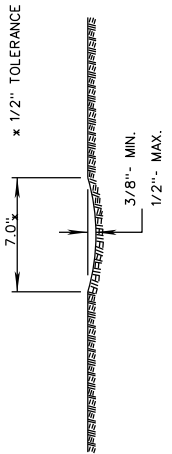
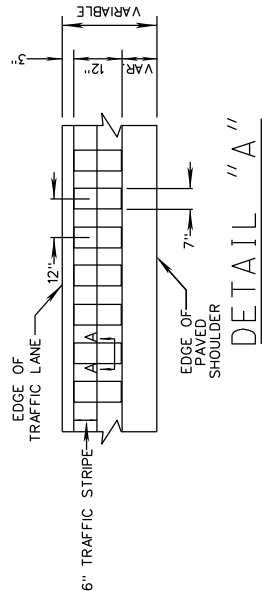
- GENERAL NOTES
1. ALL RUMBLE STRIPES SHALL BE GROUND-IN. RUMBLE STRIPES SHALL BE OMITTED ACROSS PRINCIPAL INTERSECTING ROADWAYS OR OTHER INTERRUPTIONS IN NORMAL SHOULDER WIDTH AS DIRECTED BY THE ENGINEER
 2. GROUND-IN RUMBLE STRIPES SHALL BE APPLIED TO MAINLINE ONLY.



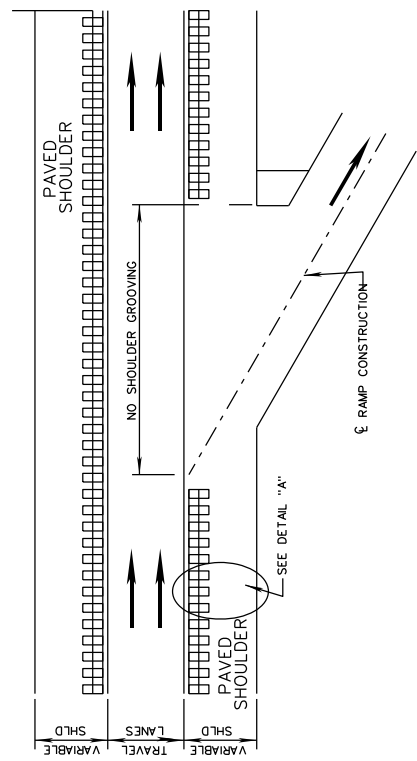
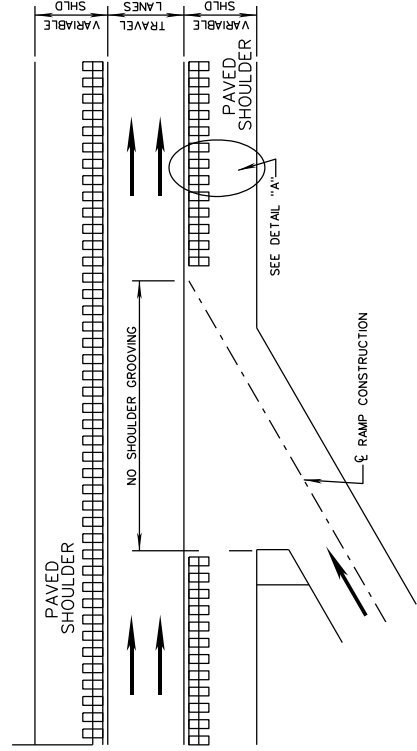
NOT TO SCALE
DETAILS OF
RUMBLE STRIPS

STATE	PROJECT NO.
MISS.	

- GENERAL NOTES**
1. ALL RUMBLE STRIPES SHALL BE GROUND-IN. RUMBLE STRIPES SHALL BE OMITTED ACROSS PRINCIPAL INTERSECTING ROADWAYS OR OTHER INTERRUPTIONS IN NORMAL SHOULDER WIDTH AS DIRECTED BY THE ENGINEER
 2. GROUND-IN RUMBLE STRIPES SHALL BE APPLIED TO MAINLINE ONLY.



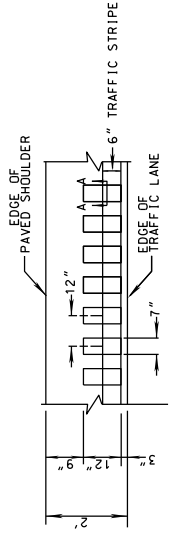
SECTION "A-A"



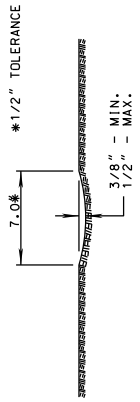
PLAN

NOT TO SCALE
 DETAILS OF
 RUMBLE STRIPS
 (GROUND-IN)

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
RUMBLE STRIPES	
4-LANE WITH FULL-WIDTH	
PAVED SHOULDERS	
(CONC. LANES, ASPH. SHLD)	
WORKING NUMBER	PROJECT NO:
PS-3	COUNTY:
SHEET NUMBER	FILE NAME:
3	DCS011E.W
DATE	CHECKED:
	DATE 05/07/14

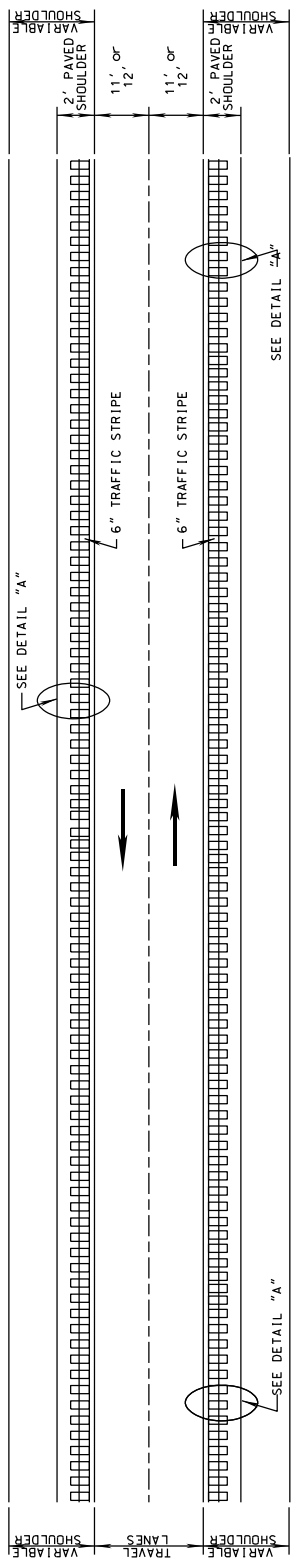


DETAIL "A"



SECTION "A-A"

- GENERAL NOTES
1. GROUND-IN RUMBLE STRIPES SHALL BE APPLIED ON LEFT AND RIGHT SHOULDERS OF ALL PAVED SHOULDERS ON THIS PROJECT
 2. GROUND-IN RUMBLE STRIPES SHALL BE OMITTED ACROSS PRINCIPAL INTERSECTING ROADWAY OR OTHER INTERRUPTIONS IN TRAFFIC SHOULDER WIDTH AS DIRECTED BY THE ENGINEER
 3. COST TO BE PAID FOR USING APPROPRIATE PAY ITEMS
 4. GROUND-IN RUMBLE STRIPES SHALL BE APPLIED TO MAINLINE ONLY.
 5. DO NOT USE WHERE TRAVEL LANE IS LESS THAN 11' WIDE.



PLAN
NOT TO SCALE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
RUMBLE STRIPES	
2-LANE HIGHWAY	
(CONCRETE LANES,	
2-FT. ASPH. SHLD.)	
PROJECT NO:	
COUNTY:	
DATE:	DATE REVISION:
BY:	REVISION:
FILE NAME:	WORKING NUMBER:
DESIGN TEAM:	PROJECT NUMBER:
DATE 05/20/24:	SHEET NUMBER:

10 FT. OR AS SHOWN ON PLANS

SECTION A-A
MEDIAN SHOULDER WITHOUT O.G.F.C.

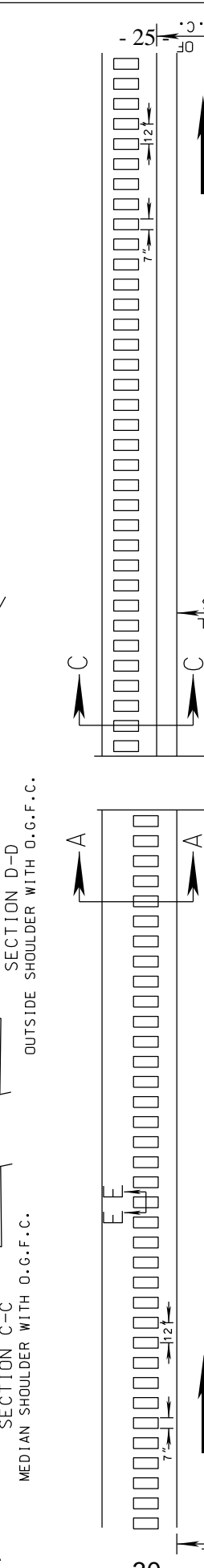
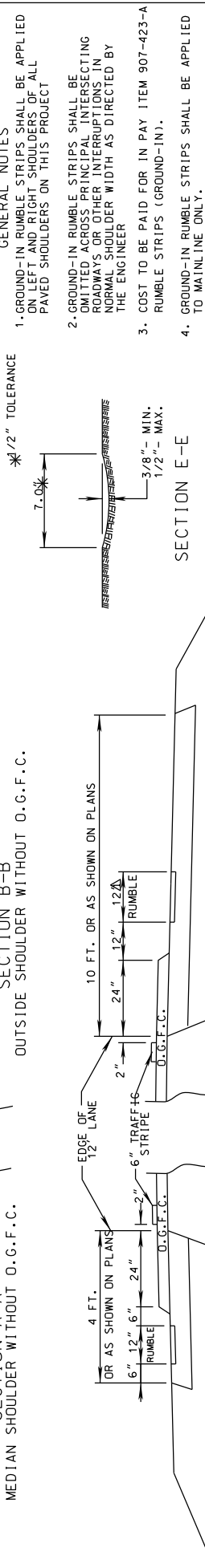
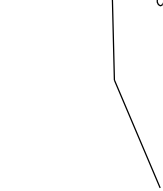
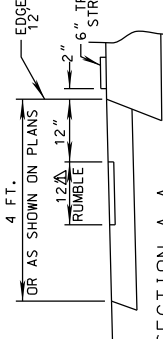
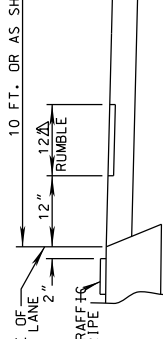
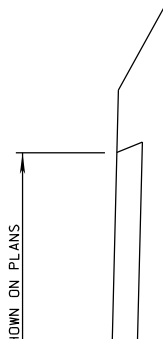
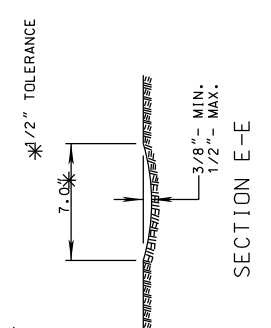
SECTION B-B
OUTSIDE SHOULDER WITHOUT O.G.F.C.

SECTION C-C
MEDIAN SHOULDER WITH O.G.F.C.

SECTION D-D
OUTSIDE SHOULDER WITH O.G.F.C.

SECTION E-E
SECTION E-E

- GENERAL NOTES
1. GROUND-IN RUMBLE STRIPS SHALL BE APPLIED ON LEFT AND RIGHT SHOULDERS OF ALL PAVED SHOULDERS ON THIS PROJECT
 2. GROUND-IN RUMBLE STRIPS SHALL BE OMITTED ACROSS PRINCIPAL INTERSECTIONS, ROADWAYS OR OTHER INTERRUPTIONS IN NORMAL SHOULDER WIDTH AS DIRECTED BY THE ENGINEER
 3. COST TO BE PAID FOR IN PAY ITEM 907-423-A RUMBLE STRIPS (GROUND-IN).
 4. GROUND-IN RUMBLE STRIPS SHALL BE APPLIED TO MAINLINE ONLY.



Notice To Bidders

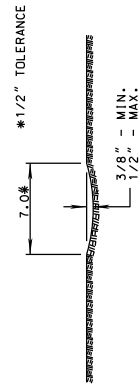
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
RUMBLE STRIP DETAIL FOR
OGFC OR CONC ROADWAY
WITH ASPH SHLD

PROJECT NO. :
COUNTY :

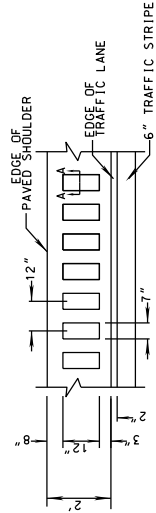
WORKING NUMBER
R05
SHEET NUMBER
115 --

DATE: 05/01/14
CHECKED:
DESIGN TEAM

FILE NAME: RumbleStripOGFC.dgn
DATE: 05/01/14
CHECKED:
DESIGN TEAM



SECTION "A-A"



DETAIL "A-A"

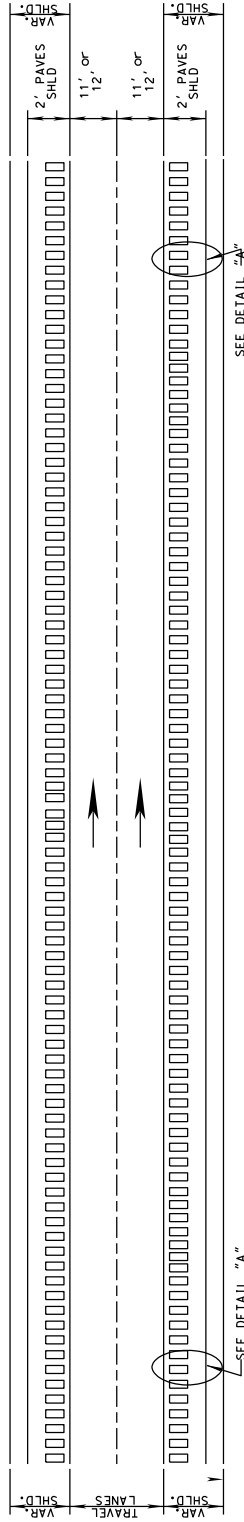
GENERAL NOTES
1. GROUND-IN RUMBLE STRIPS SHALL BE APPLIED ON LEFT AND RIGHT SHOULDERS OF ALL PAVED SHOULDERS ON THIS PROJECT

2. GROUND-IN RUMBLE STRIPS SHALL BE OMITTED ACROSS PRINCIPAL INTERSECTING ROADWAYS OR OTHER INTERRUPTIONS IN NORMAL SHOULDER WIDTH AS DIRECTED BY THE ENGINEER

3. COST TO BE PAID FOR USING APPROPRIATE PAY ITEMS

4. GROUND-IN RUMBLE STRIPS SHALL BE APPLIED TO MAINLINE ONLY.

5. DO NOT USE WHERE TRAVEL LANE IS LESS THAN 11' WIDE.



PLAN
NOT TO SCALE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
RUMBLE STRIPS FOR 4-LANE DIVIDED ROADWAYS WITH 2-FOOT PAVED SHOULDERS CONCRETE LANES, ASPH. SHOULDER	
PROJECT NO. :	
COUNTY :	
WORKING NUMBER	PROJECT NUMBER
FILE NAME: \C:\Cummins\TUDS.DWG	SHEET NUMBER
DESIGN TEAM: S. LEWIS	DATE: 05/01/14

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 204

CODE: (SP)

DATE: 06/14/2017

SUBJECT: Contract Time

PROJECT: MP-1000-00(083) / 306069301 – District Wide

The calendar date for completion of work to be performed by the Contractor for this project shall be **May 21, 2018** which date or extended date as provided in Subsection 108.06 shall be the end of contract time. It is anticipated that the Notice of Award will be issued no later than **August 8, 2017** and the effective date of the Notice to Proceed / Beginning of Contract Time will be **September 7, 2017**.

Should the Contractor request a Notice to Proceed earlier than **September 7, 2017** and it is agreeable with the Department for an early Notice to Proceed, the requested date will become the new Notice to Proceed date.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 205

CODE: (SP)

DATE: 6/02/2017

SUBJECT: Scope of Work

PROJECT: MP-1000-00(083) / 306069301 - Districtwide

The contract documents do not include an official set of construction plans, but may, by reference, include some Standard Drawings when so specified in a Notice to Bidders entitled, "Standard Drawings". All other references to plans in the Contract Documents and Standard Specifications for Road and Bridge Construction are to be disregarded.

The Contactor shall be responsible for furnishing and placing High Performance Raised Pavement Markers (HPRPMs) in accordance with Section 627 of the Standard Specifications and in accordance with the enclosed Standard Drawings as applicable. Also enclosed are maps of each county within the District showing the routes or the segments of routes on which HPRPMs are to be placed. Estimated quantities are shown by county.

The Contractor shall be responsible for removal of all existing raised pavement markers, (RPMs) on any routes where they are currently located prior to placement of the new HPRPMs. The Contractor shall take all necessary precautions to insure that the underlying pavement is not damaged during removal of existing RPMs and shall be responsible for any pavement damage resulting from the removal process. At the discretion of the Engineer, existing raised pavement markers that are severely imbedded into the pavement may be allowed to remain. In no case shall existing RPMs be removed more than one (1) week prior to placement of the new HPRPMs. This work will not be measured for separate payment. Its cost shall be included in the unit price of other items bid.

The Contractor will be further responsible for establishing all the necessary controls to insure that the raised pavement markers are installed in a uniform line in accordance with the above mentioned detail sheets. The Contractor is also responsible for all pavement surface cleaning or other preparation necessary prior to placement of the HPRPMs to insure a proper bond. This work will not be measured for separate payment. Its cost shall be included in the unit prices of other items bid.

The Contractor shall provide all traffic handling devices in accordance with the Traffic Control Plan (Payment to be included in the price bid for Pay Item No. 618-A001, Maintenance of Traffic).

Other incidental work that is necessary to complete work will not be measured for separate payment and the cost shall be included in the unit prices of other items bid.

DISTRICT 1
Raised Pavement Marker Summary
FY 2017

County	2 Way Yellow	Red/Clear
Alcorn	4357	0
Chickasaw	4342	130
Clay	297	0
Itawamba	7361	2433
Lee	11755	3110
Lowndes	2470	4752
Monroe	3410	256
Oktibbeha	537	6439
Pontotoc	5535	436
Prentiss	11577	374
Tippah	8779	77
Tishomingo	7922	3967
Union	7962	872
Webster	264	2345
Total Markers	76,568	25,191

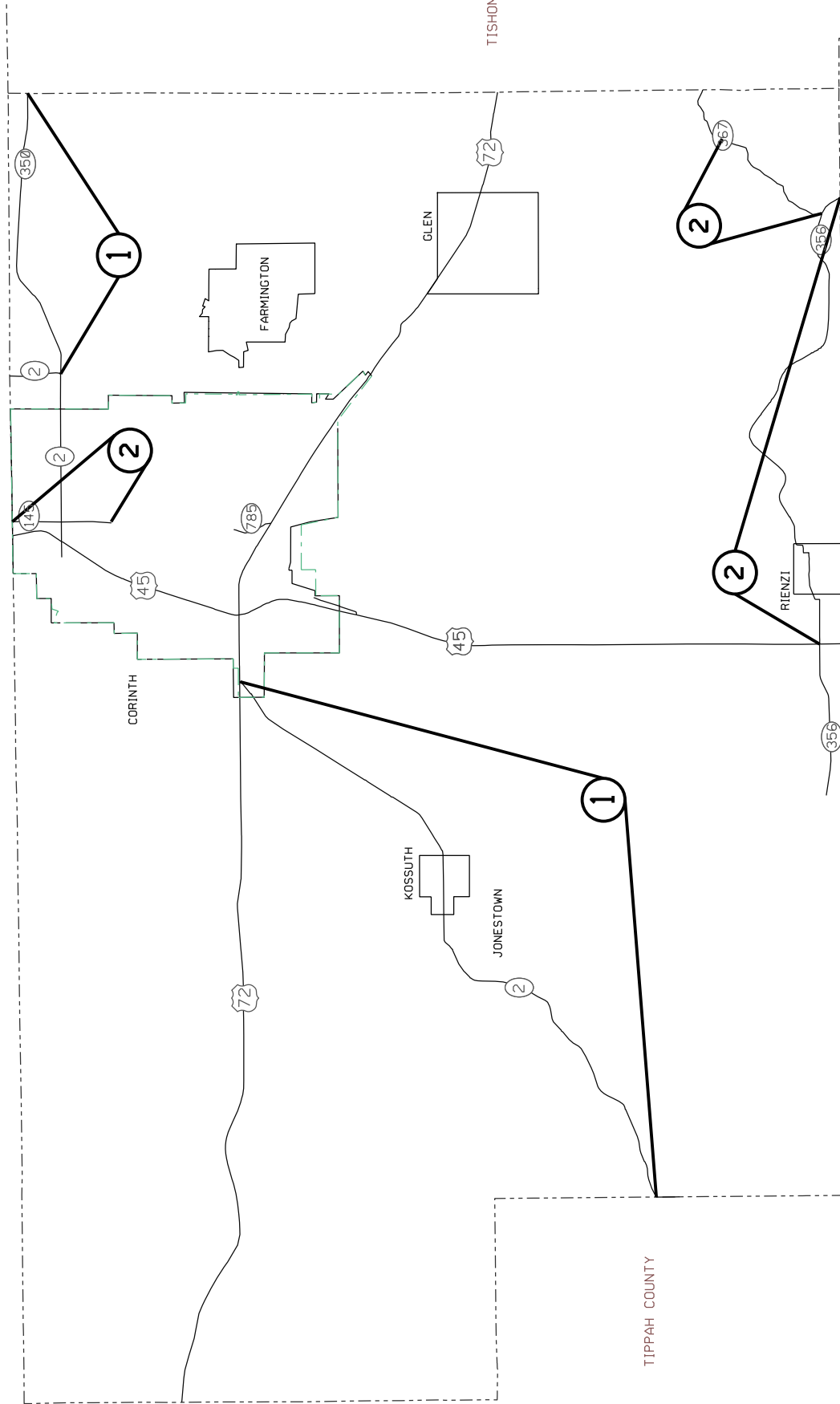
RAISED PAVEMENT MARKERS 2017
Alcorn County

Sections That Require Markers

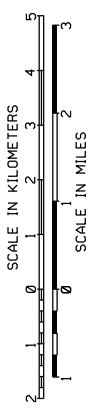
Route	Limits	Length	Markers/Mile	Total	Red/Yellow
145	From SR 2 to End State Maintenance	0.14	100	15	2-Way Yellow
145	From SR 2 to TN State Line	0.96	100	106	2-Way Yellow
356	From US 45 to Prentiss Co	11.72	110	1418	2-Way Yellow
367	From SR 356 to End State Maintenance	4.01	110	485	2-Way Yellow
350	From SR 2 to Tishomingo Co	5.82	110	704	2-Way Yellow
2	From US 72 to Tippah Co	14.81	100	1629	2-Way Yellow

Total 2-Way Yellow	4357
Total Red-Clear	0

TENNESSEE



Maintenance Map
ALCORN
 MISSISSIPPI
 REVISED 7/08
 MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 PLANNING DIVISION



ESTIMATED RAISED PAVEMENT MARKERS REQUIRED
4357 TWO WAY YELLOW
0 RED-CLEAR

- ① Indicates Sections Requiring The Removal And Replacement Of Raised Pavement Markers
- ② Indicates Sections Requiring The Replacement Of Raised Pavement Markers (No In Place)

RAISED PAVEMENT MARKERS 2017
Chickasaw County

Sections That Require Markers

Route	Limits	Length	Markers/Mile	Total	Red/Yellow
32	From SR 15 to Calhoun Co	9.1	110	1101	2-way Yellow
41	From SR 245 to Begin 3 Lane	0.67	110	81	2-way Yellow
	From Begin 3 Lane to Begin 2 Lane	0.81	800	713	2-way Yellow
	Turn Bay Lines	-	-	110	Red-Clear
245	From Begin 2 Lane to Monroe Co	0.57	110	69	2-way Yellow
	From SR 41 to Begin 2 Lane	0.27	800	238	2-way Yellow
	Turn Bay Lines	-	-	20	Red-Clear
	Gore Area	-	-	53	2-way Yellow
15	From Begin 2 Lane to US 45 Alt	4.67	100	514	2-way Yellow
	From SR 32 East to Pontotoc Co	7.22	110	874	2-way Yellow
8	From Monroe to SR 47	6.35	100	699	2-way Yellow

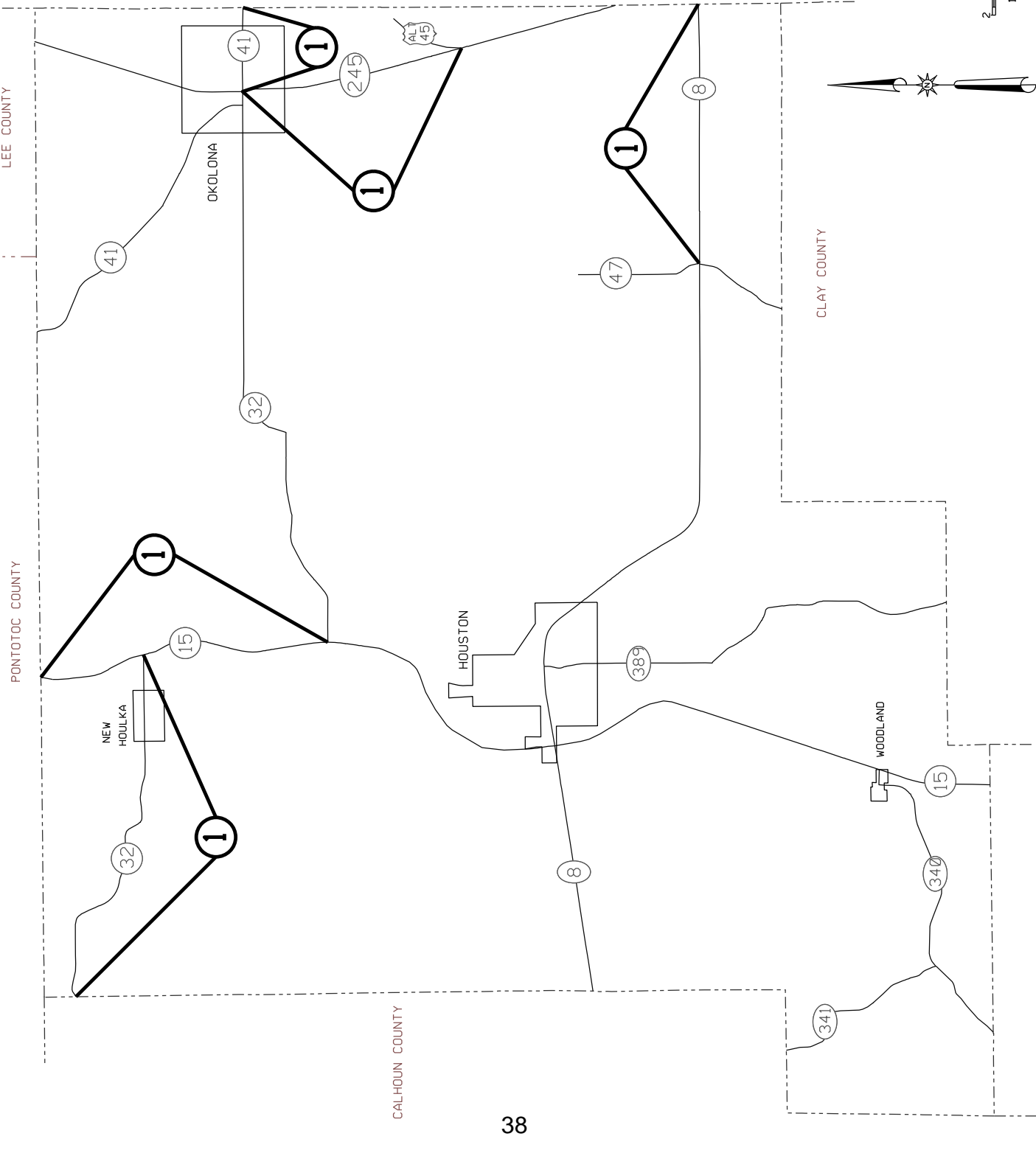
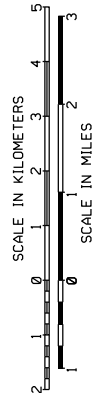
Total 2-Way Yellow	4342
Total Red-Clear	130

1 Indicates Sections Requiring The Removal And Replacement Of Raised Pavement Markers

ESTIMATED RAISED PAVEMENT MARKERS REQUIRED
4342 TWO WAY YELLOW
130 RED CLEAR

MONROE COUNTY

MAINTENANCE MAP
CHICKASAW
MISSISSIPPI
REVISED 10 / 04 / 05
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
PLANNING DIVISION



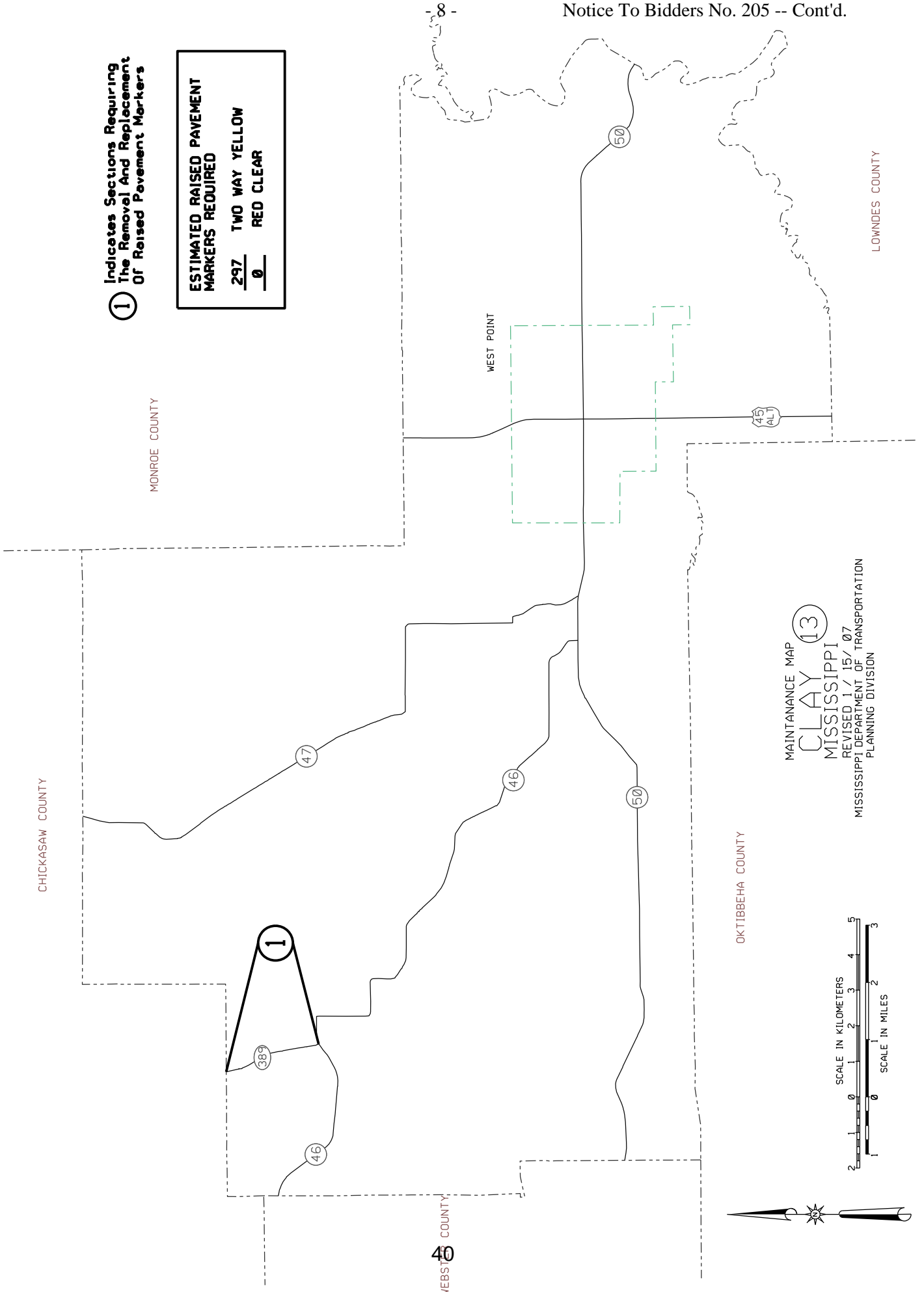
RAISED PAVEMENT MARKERS 2017
Clay County

Sections That Require Markers

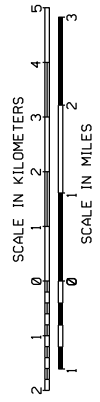
Route	Limits	Length	Markers/Mile	Total	Red/Yellow
389	From SR 46 to Chickasaw Co	2.7	100	297	2-Way Yellow
				Total 2-Way Yellow	297
				Total Red-Clear	0

① Indicates Sections Requiring
The Removal And Replacement
Of Raised Pavement Markers

ESTIMATED RAISED PAVEMENT MARKERS REQUIRED	
297	TWO WAY YELLOW
<u>0</u>	RED CLEAR



MAINTENANCE MAP
CLAY ⑬
 MISSISSIPPI
 REVISED 1 / 15 / 07
 MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 PLANNING DIVISION



RAISED PAVEMENT MARKERS 2017
Itawamba County

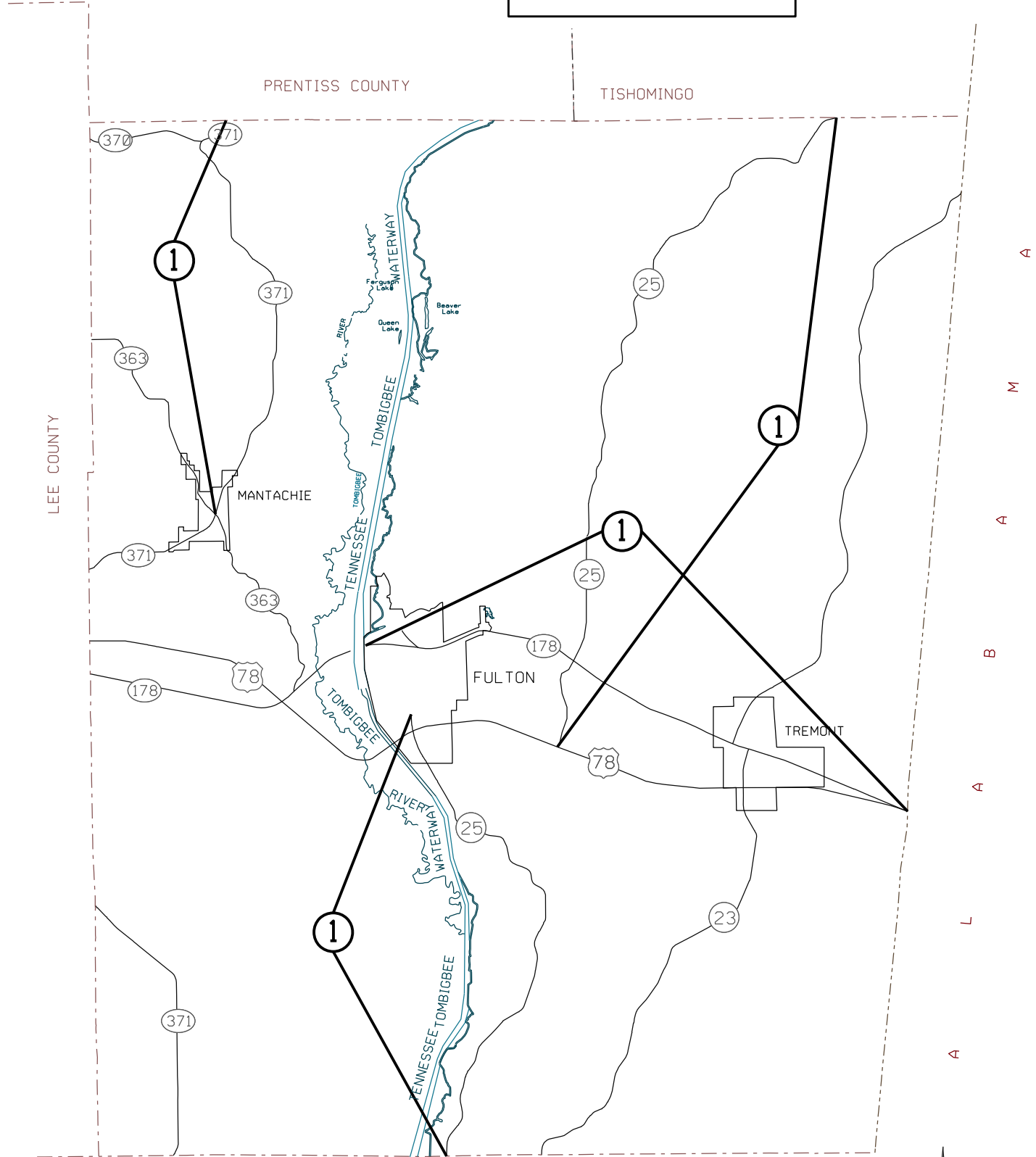
Sections That Require Markers

Route	Limits	Length	Markers/Mile	Total	Red/Yellow
178	From Access Road at Waterway to Alabama 4-Lane Section @ SR 25 Gore Areas at 4-Lane Section	13.34 - -	110 - -	1614 83 352	2-Way Yellow Red-Clear 2-Way Yellow
25	From Monroe Co to Begin 3-Lane Section From Begin 3-Lane to Begin 4-Lane From Begin 4-Lane to End State Maintenance Gore Areas Turn Bay Lines	11.92 0.83 0.74 - -	110 800 220 - -	1442 730 179 116 110	2-Way Yellow 2-Way Yellow Red-Clear 2-Way Yellow Red-Clear
	From Begin State Maint. (South of I-22) to Begin 4-Lane From Begin 4-Lane to Begin 2-Lane Gore Areas Crossover Bay Lines From Begin 2-Lane to Tishomingo Co	0.2 7.7 - - 12.05	100 220 - - 110	22 1863 248 198 1458	2-Way Yellow Red-Clear 2-Way Yellow Red-Clear 2-Way Yellow
371	From Prentiss Co to Hwy 363	11.4	110	1379	2-Way Yellow

Total 2-Way Yellow	7361
Total Red-Clear	2433

① Indicates Sections Requiring The Removal And Replacement Of Raised Pavement Markers

(ESTIMATED RAISED PAVEMENT MARKERS REQUIRED)
7361 2-WAY YELLOW
2433 RED CLEAR

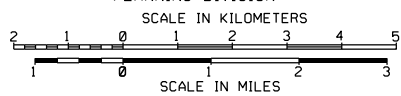


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MONROE COUNTY

MAINTENANCE MAP
ITAWAMBA

MISSISSIPPI **29**
 12 / 08 / 06
 MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 PLANNING DIVISION



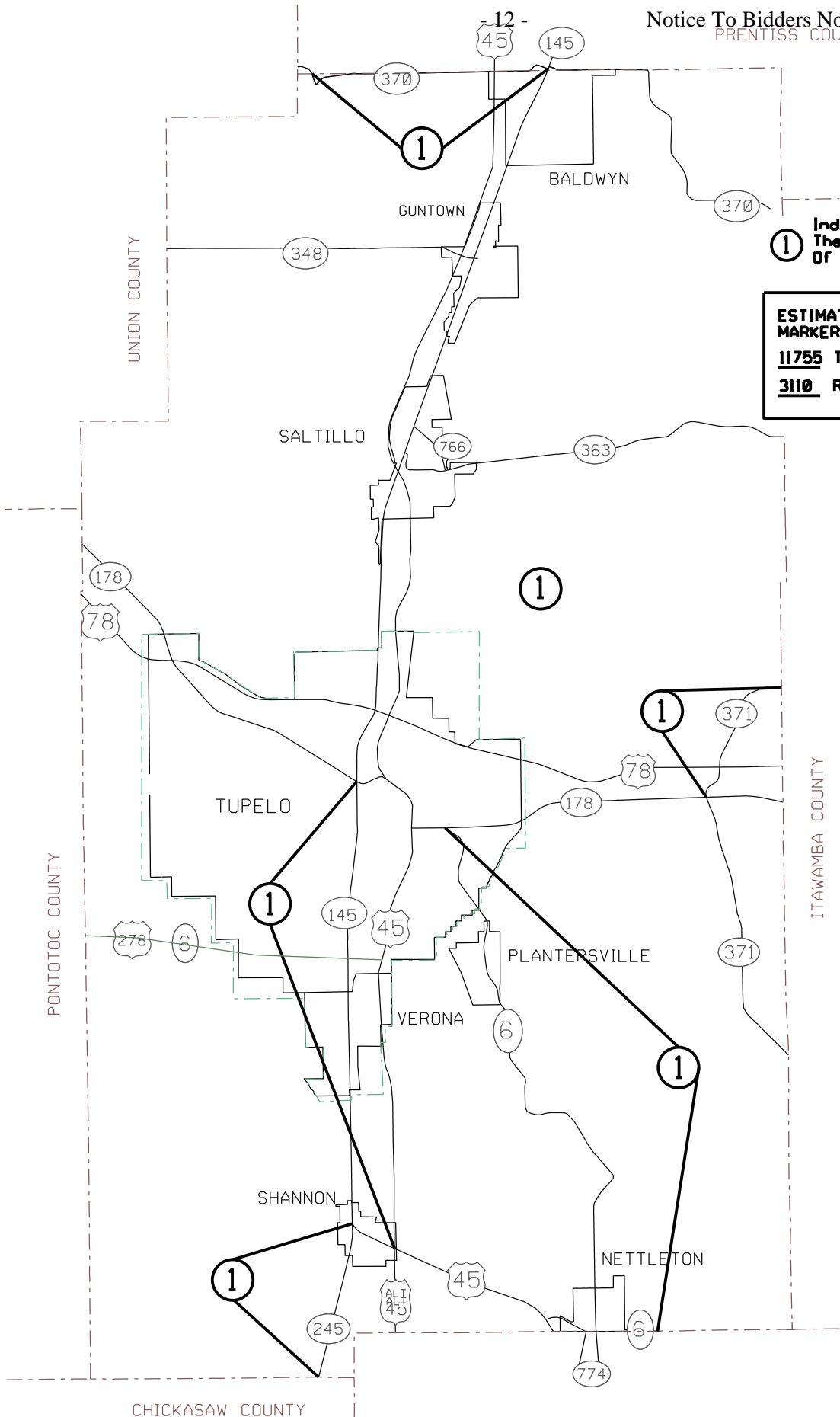
RAISED PAVEMENT MARKERS 2017
Lee County

Sections That Require Markers

Route	Limits	Length	Markers/Mile	Total	Red/Yellow
370	From Prentiss Co to Begin 4 Lane	3.9	100	429	2-Way Yellow
	From Begin 4 Lane to Begin 3 Lane	0.66	264	192	Red-Clear
	Turn Bay Lines	-	-	40	Red-Clear
	Gore Areas	-	-	97	2-Way Yellow
371	From Begin 3 Lane to SR 145	1.04	800	915	2-Way Yellow
	Turn Bay Lines	-	-	7	Red-Clear
	Gore Areas	-	-	33	2-Way Yellow
145	From SR 178 to Begin 4 Lane	0.5	110	61	2-Way Yellow
	From Begin 4 Lane to Begin 2 Lane	0.68	220	165	Red-Clear
	Turn Bay Lines / Detail Lines	-	-	40	Red-Clear
	Gore Areas	-	-	244	2-Way Yellow
	From Begin 2 Lane to Itawamba Co	2.27	110	275	2-Way Yellow
	From Beg 4 Lane @ McCullough Interchange to Beg 5 Lane	0.38	264	110	Red-Clear
	Gore Area	-	-	35	2-Way Yellow
	From Begin 5 Lane @ McCullough to Begin 4 Lane @ Verona	4.45	800	3916	2-Way Yellow
	Turn Bay Lines / Detail Lines	4.45	264	1292	Red-Clear
	From Begin 4 Lane Undivided to Begin 5 Lane	2.68	528	1557	Red-Clear
145	From Begin 5 Lane to Begin 4 Lane Undivided	2.68	132	389	2-Way Yellow
	Gore Areas	0.36	800	317	Red-Clear
	From Begin 4 Lane Undivided to Begin 5 Lane	0.36	264	105	2-Way Yellow
	Gore Areas	-	-	246	Red-Clear
	From Begin 4 Lane Undivided to Begin Transition @ Brewer Rd	0.67	528	389	2-Way Yellow
	From Begin Transition @ Brewer Rd to Begin 2 Lane	0.67	132	97	Red-Clear
	Gore Areas	0.47	264	136	Red-Clear
	From Begin 2 Lane to Begin 4 Lane Divided	2.35	110	484	2-Way Yellow
	Gore Area	-	-	284	2-Way Yellow
	Bay Line	-	-	70	2-Way Yellow
245	Begin 4 Lane Divided to US 45 (new overlay)	1.1	220	11	Red-Clear
	Gore Area	-	-	266	Red-Clear
	Bay Lines	-	-	48	2-Way Yellow
6	From SR 145 to Chickasaw Co.	3.61	110	437	Red-Clear
	Gore Area	-	-	44	2-Way Yellow
6	From SR 178 / East Main Street to Monroe Co	15.02	110	1817	2-Way Yellow
	Gore Area	-	-	57	2-Way Yellow

Total 2-Way Yellow	11755
Total Red-Clear	3110

PRENTISS COUNTY



① Indicates Sections Requiring
The Removal And Replacement
Of Raised Pavement Markers

**ESTIMATED RAISED PAVEMENT
MARKERS REQUIRED**
11755 TWO WAY YELLOW
3110 RED-CLEAR

PONTOTOC COUNTY

UNION COUNTY

ITAWAMBA COUNTY

CHICKASAW COUNTY

MONROE COUNTY

44



MAINTENANCE MAP

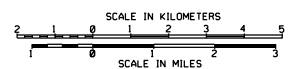
LEE

41

MISSISSIPPI

REVISED 1/ 09/ 08

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
MAINTENANCE DIVISION



RAISED PAVEMENT MARKERS 2017
Lowndes County

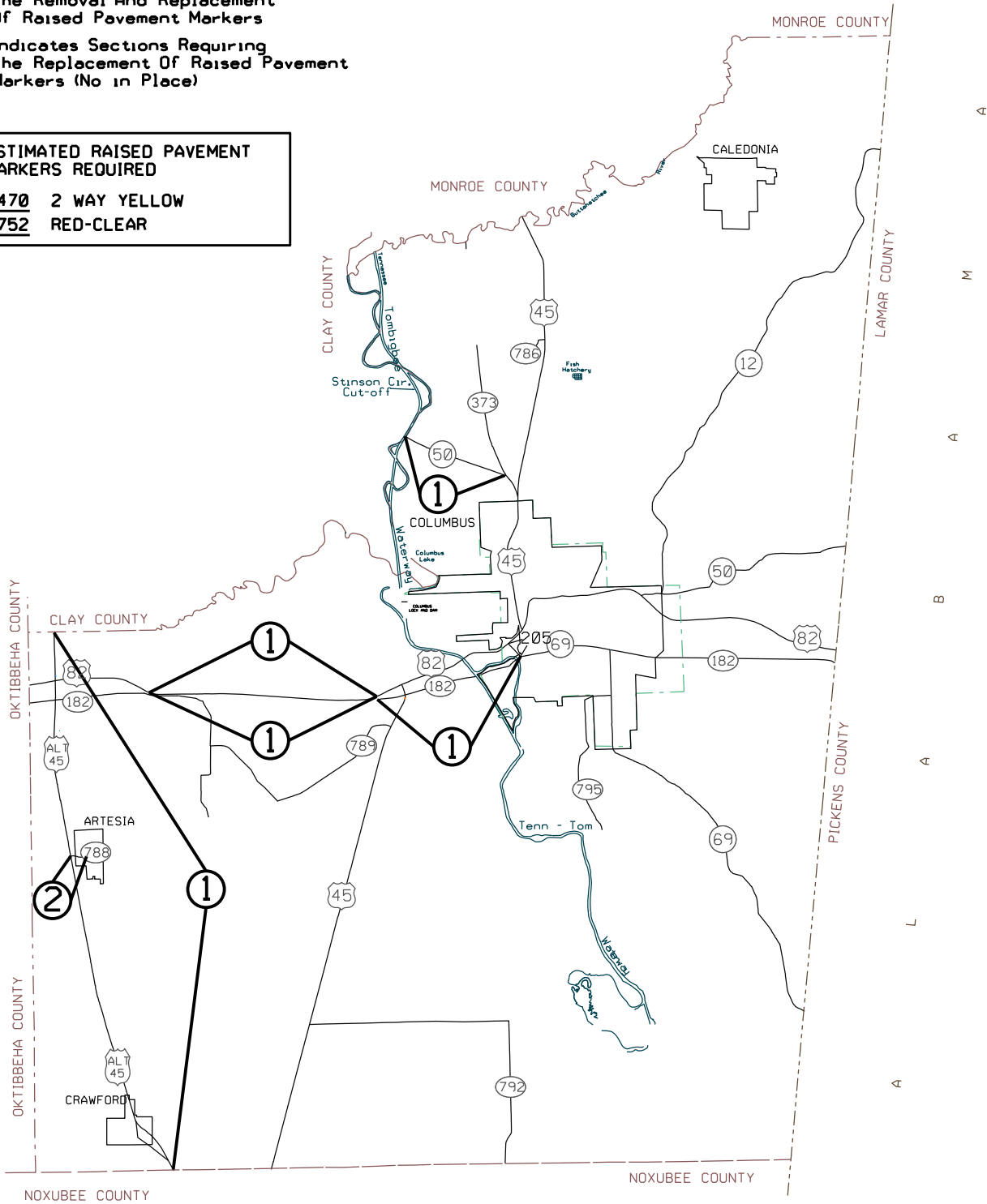
Sections That Require Markers

Route	Limits	Length	Markers/Mile	Total	Red/Yellow
50	From Clay Co. to SR 373	3.05	110	369	2-Way Yellow
182	From US 82 to SR 69 Gore Areas Bay Lines	3.83	110	463	2-Way Yellow
		-	-	145	2-Way Yellow
		-	-	22	Red-Clear
82 SFR	South Frontage Road from Hwy 182 to Hwy 182	6	100	660	2-Way Yellow
82 NFR	North Frontage Road from Hwy 182 to US 45	7.05	100	776	2-Way Yellow
788	From US 45A to End Maintenance	0.47	110	57	2-Way Yellow
45A	From Noxubee Co. to Clay Co. 82 Bay Lines	15.82	220	3828	Red-Clear
		-	-	902	Red-Clear

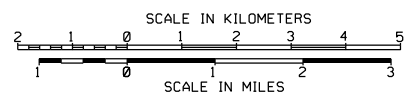
Total 2-Way Yellow	2470
Total Red-Clear	4752

- ① Indicates Sections Requiring The Removal And Replacement Of Raised Pavement Markers
- ② Indicates Sections Requiring The Replacement Of Raised Pavement Markers (No in Place)

ESTIMATED RAISED PAVEMENT MARKERS REQUIRED	
2470	2 WAY YELLOW
4752	RED-CLEAR



MAINTENANCE MAP
LOWNDES
 MISSISSIPPI **44**
 REVISED 1 / 15 / 07
 MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 PLANNING DIVISION



RAISED PAVEMENT MARKERS 2017
Monroe County

Sections That Require Markers

Route	Limits	Length	Markers/Mile	Total	Red/Yellow
6	From Lee Co. to SR 25	9.25	110	1119	2-Way Yellow
25	From Hwy 6 to Itawamba Co	9.39	110	1136	2-Way Yellow
41	From Chickasaw Co to Begin 4 Lane	0.58	110	70	2-way Yellow
	From Begin 4 Lane to Begin 2 Lane	0.95	220	230	2-way Yellow
	Gore Areas	-	-	165	2-way Yellow
	From Begin 2 Lane to Begin 4 Lane at US 45	3.32	110	402	2-way Yellow
	From Begin 4 Lane at US 45 to Begin 2 Lane	0.74	220	179	Red-Clear
	7 Bay Lines	-	-	77	Red-Clear
	Gore Areas	-	-	288	2-way Yellow

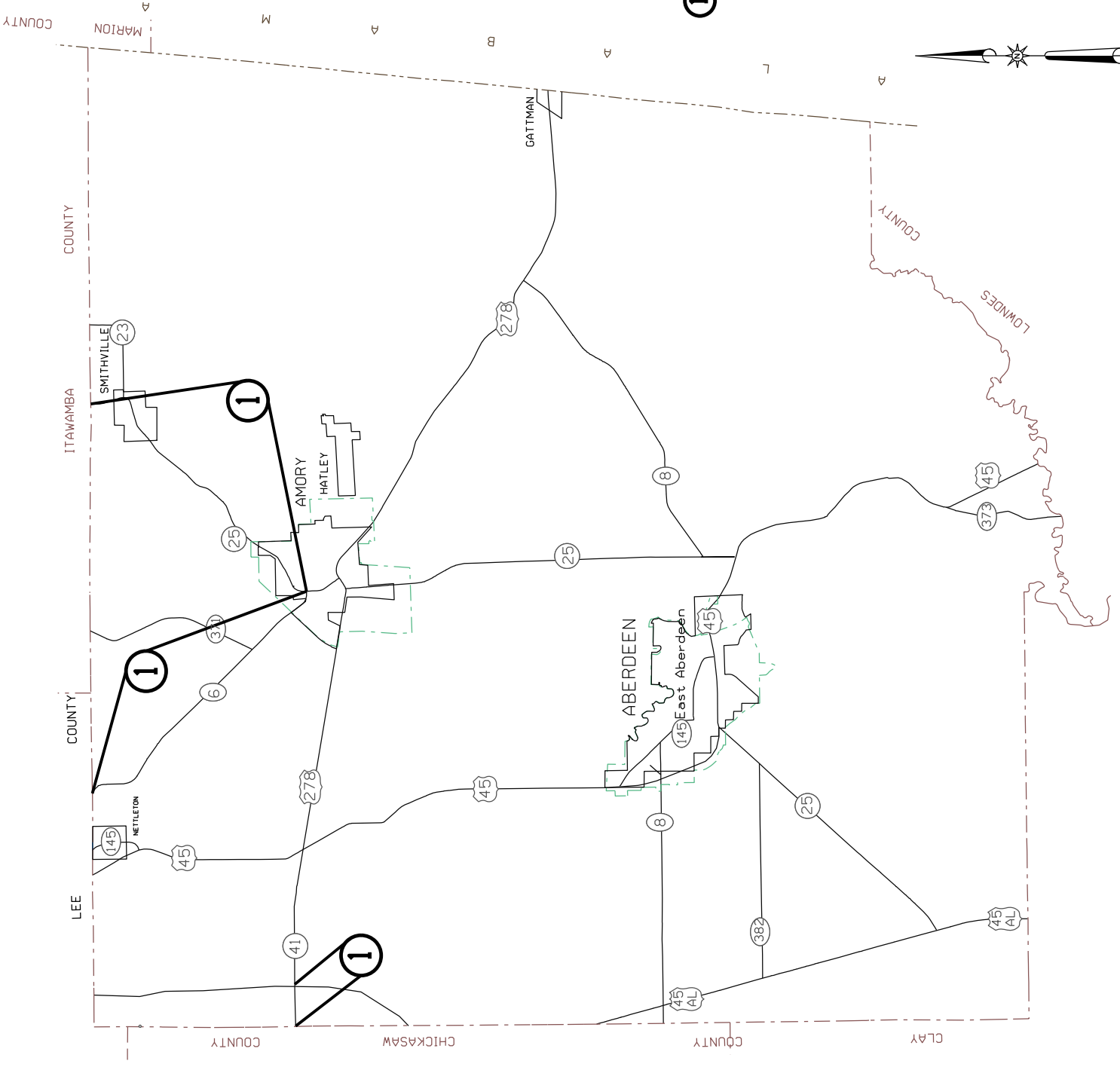
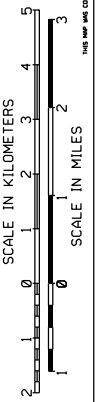
Total 2-Way Yellow	3410
Total Red-Clear	256

① Indicates Sections Requiring The Removal And Replacement Of Raised Pavement Markers

ESTIMATED RAISED PAVEMENT MARKERS REQUIRED
3410 2 WAY YELLOW
256 RED-CLEAR

Notice To Bidders No. 205 -- Cont'd.

MAINTENANCE MAP
MONROE
MISSISSIPPI
REVISED 12/08 / 06
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
PLANNING DIVISION



RAISED PAVEMENT MARKERS 2017
Oktribbeha County

Sections That Require Markers

Route	Limits	Length	Markers/Mile	Total	Red/Yellow
82	From Choctaw Co. to SR 182 at Clayton Village Interchange	19.9	220	4816	Red-Clear Red-Clear
182	From Begin 2 Lane at US 82/Clayton Village to Lowndes Co.	4.88	100	537	2-way Yellow
Total 2-Way Yellow				537	
Total Red-Clear				6439	

1 Indicates Sections Requiring
The Removal And Replacement
Of Raised Pavement Markers

**ESTIMATED RAISED PAVEMENT
MARKERS REQUIRED**
537 2-WAY YELLOW
6439 RED CLEAR

MAINTENANCE MAP

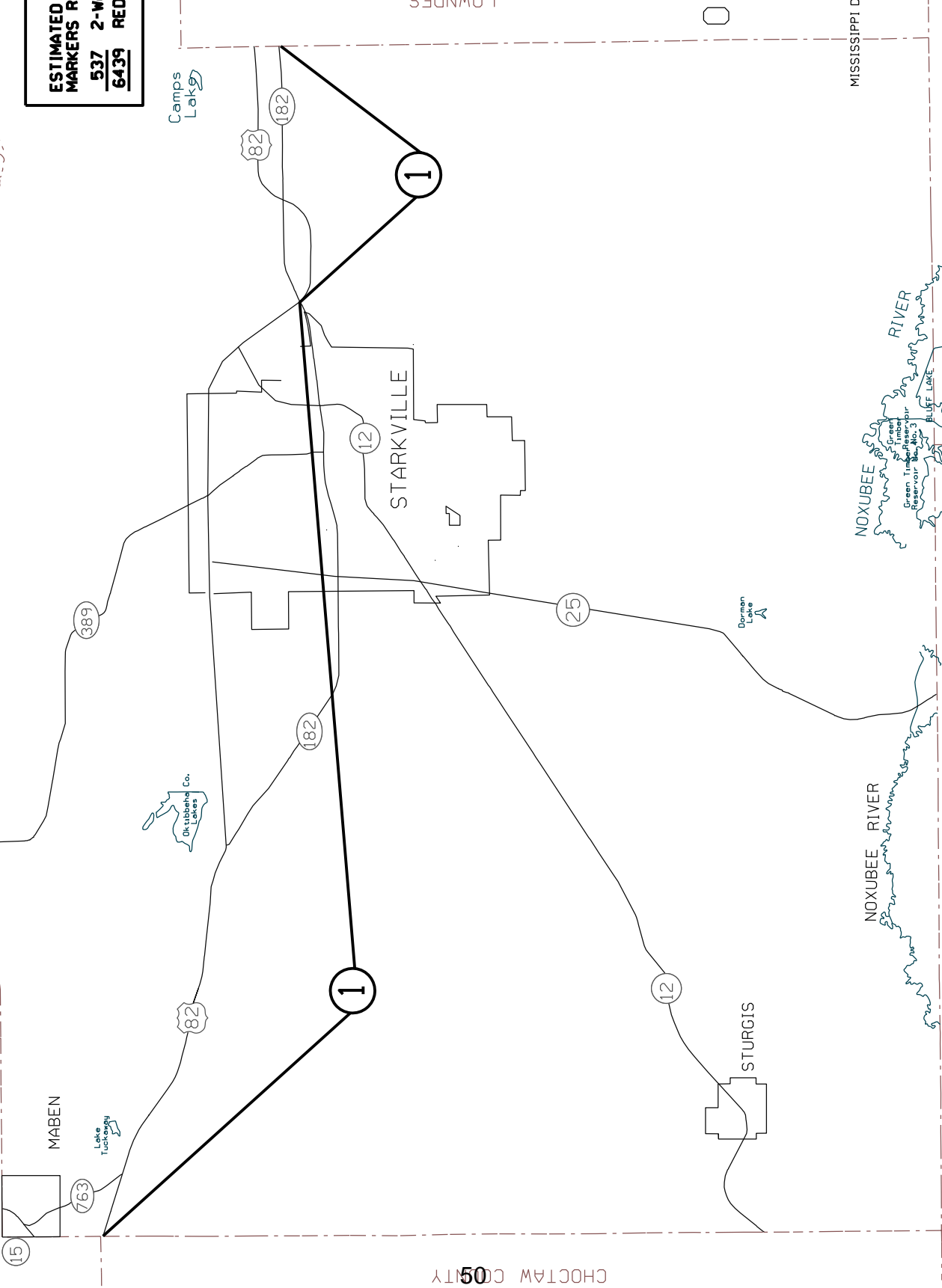
LOWDES

WEBSTER COUNTY

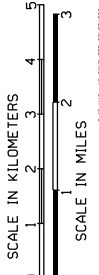
CLAY COUNTY

NOXUBEE COUNTY

WINSTON COUNTY



CHOCTAW COUNTY 50



RAISED PAVEMENT MARKERS 2017
Pontotoc County

Sections That Require Markers

Route	Limits	Length	Markers/Mile	Total	Red/Yellow
41	From SR 338 to Chickasaw Co	16	110	1936	2-Way Yellow
336	From Lafayette Co to US 278/6	9.2	110	1113	2-Way Yellow
15	From SR 338/9 to Begin 3-Lane at SR 336	0.37	800	326	Red-Clear
	Turn Bay Lines	0.37	264	107	2-Way Yellow
	From Begin 3 Lane at SR 336 to Begin 2 Lane at US 278/6	-	-	33	Red-Clear
	Turn Bay Lines	2.27	800	1998	2-Way Yellow
	Gore Areas	-	-	77	Red-Clear
		-	-	224	2-Way Yellow
772	From Hwy 15 to End State Maintenance	1.3	110	157	2-Way Yellow

Total 2-Way Yellow	5535
Total Red-Clear	436

LEE COUNTY

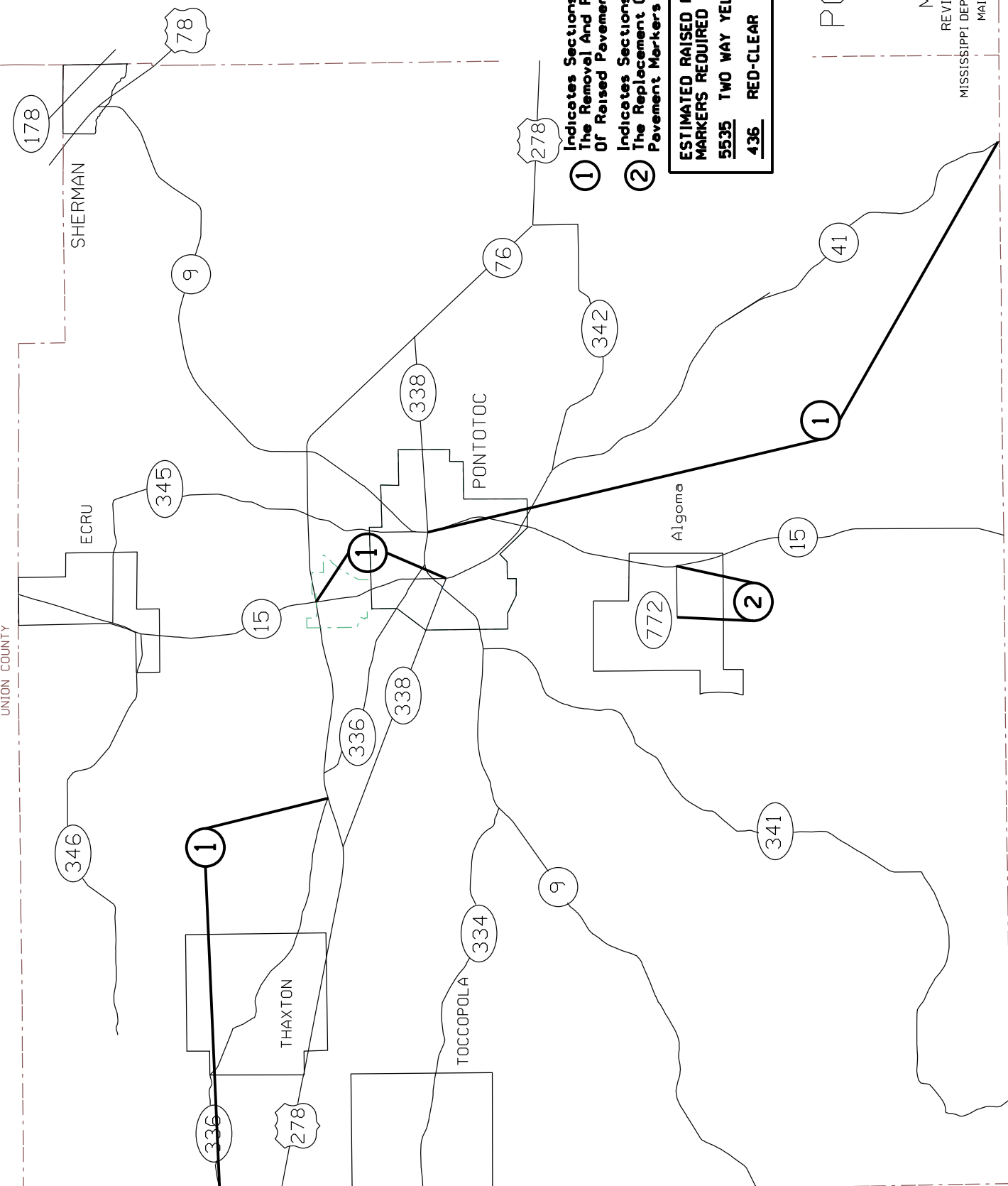
UNION COUNTY

LAFAYETTE COUNTY

CALHOUN COUNTY

CALHOUN COUNTY

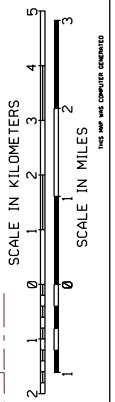
CHICKASAW COUNTY



- ① Indicates Sections Requiring The Removal And Replacement Of Raised Pavement Markers
- ② Indicates Sections Requiring The Replacement Of Raised Pavement Markers (No in Place)

ESTIMATED RAISED PAVEMENT MARKERS REQUIRED
5535 TWO WAY YELLOW
436 RED-CLEAR

MAINTENANCE MAP
PONTOTOC
58
 MISSISSIPPI
 REVISED 06 / 07 / 08
 MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 MAINTENANCE DIVISION



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RAISED PAVEMENT MARKERS 2017
Prentiss County

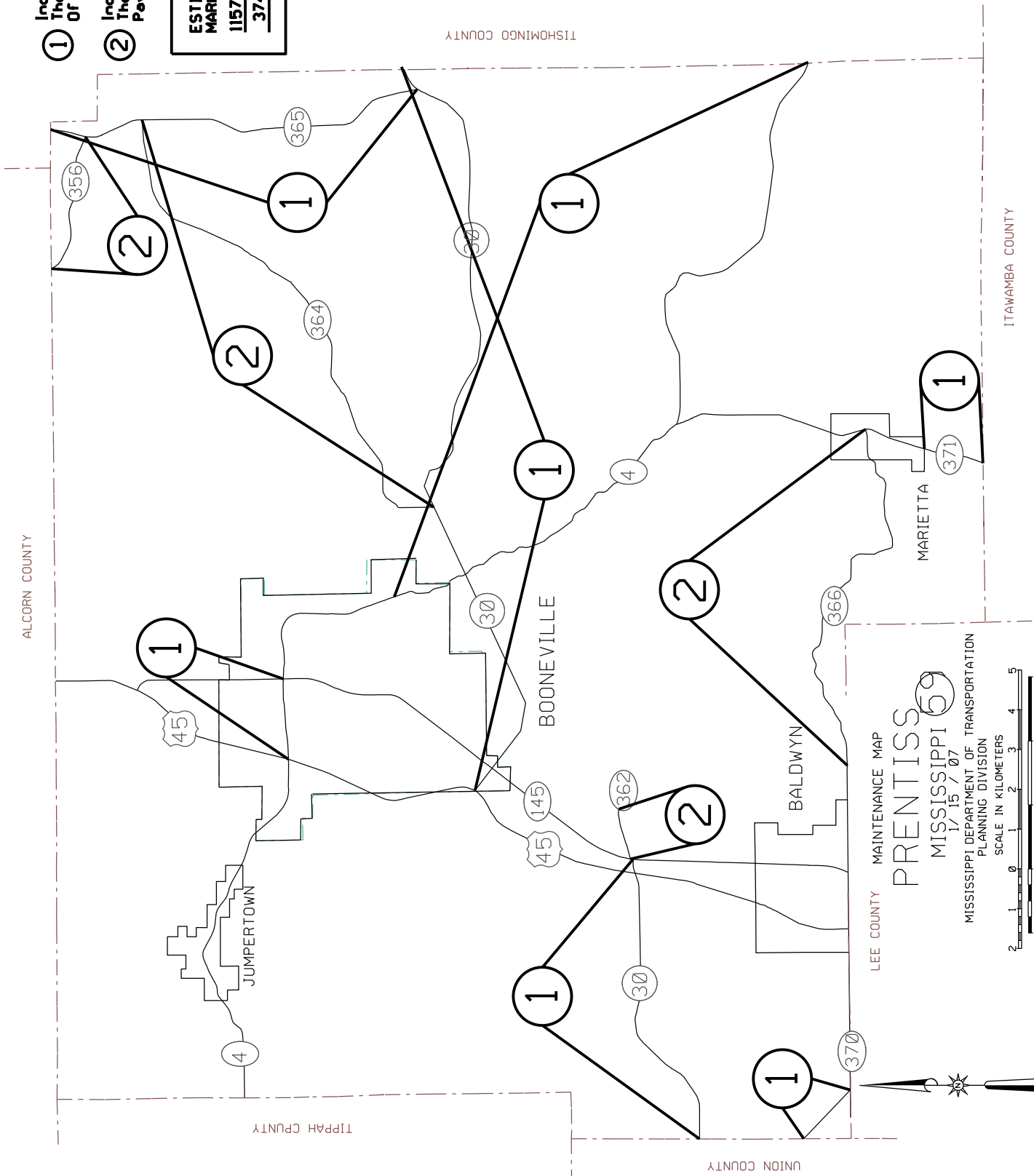
Sections That Require Markers

Route	Limits	Length	Markers/Mile	Total	Red/Yellow
362	From SR 145 to End State Maint	1.19	100	131	2-Way Yellow
365	SR 30 to Tishomingo Co	8.31	100	914	2-Way Yellow
370	Union Co to Lee Co	0.4	100	44	2-Way Yellow
364	From SR 365 to SR 30	11.55	100	1271	2-Way Yellow
30	From US 45 to Begin 2-Lane From Begin 2-Lane to Tishomingo Co	1 16.4	200 110	220 1984	Red-Clear 2-Way Yellow
30	From Union Co. to SR 145 Gore Areas Turn Bay Lines	6.58 - -	110 - -	796 444 22	2-Way Yellow 2-Way Yellow Red-Clear
356	From SR 365 to Alcorn Co.	3.06	110	370	2-Way Yellow
371	From South Marietta Corp. Limit to Itawamba Co.	1.31	110	159	2-Way Yellow
366	From SR 370 to SR 371	8.66	110	1048	2-Way Yellow
4	From Begin 3 Lane to SR 145 Gore Areas Bay Lines	2 - -	800 - -	1760 273 88	2-Way Yellow 2-Way Yellow Red-Clear
4	From Church St to Tishomingo Co. Gore Areas Bay Lines	16.82 - -	110 - -	2035 348 44	2-Way Yellow 2-Way Yellow Red-Clear

Total 2-Way Yellow	11577
Total Red-Clear	374

- ① Indicates Sections Requiring The Removal And Replacement Of Raised Pavement Markers
- ② Indicates Sections Requiring The Replacement Of Raised Pavement Markers (No In Place)

ESTIMATED RAISED PAVEMENT MARKERS REQUIRED
11577 TWO WAY YELLOW
374 RED CLEAR



RAISED PAVEMENT MARKERS 2017
Tippah County

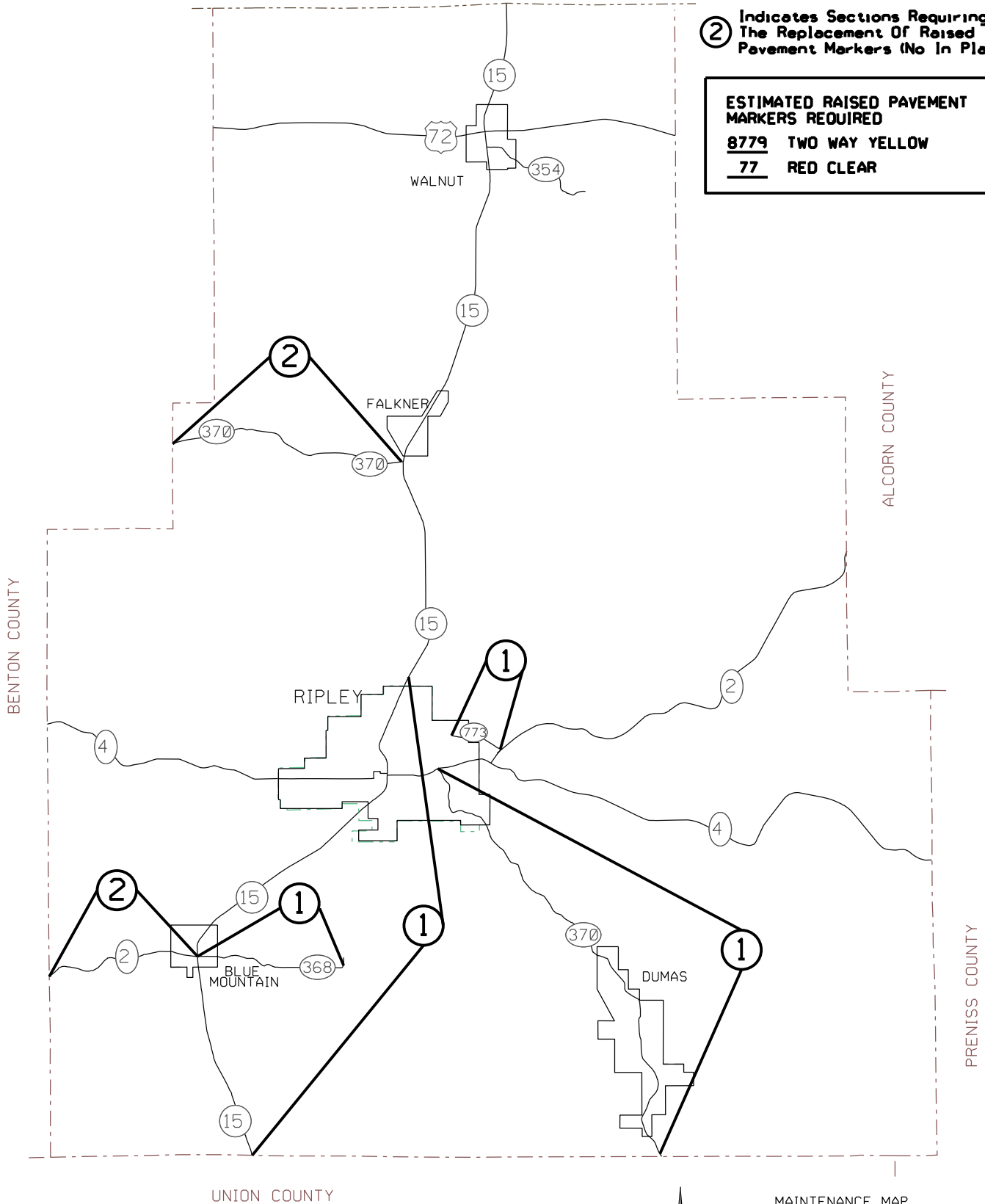
Sections That Require Markers

Route	Limits	Length	Markers/Mile	Total	Red/Yellow
773	From SR 2 to End State Maint	3	100	330	2-Way Yellow
15	From Union Co. to Begin 3 Lane Gore Areas	5.91	110	715	2-Way Yellow
	Bay Lines	-	-	84	2-Way Yellow
	From Begin 3 Lane to Begin 2 Lane Gore Areas	0.39	800	343	Red-Clear
	From Begin 2 Lane to Begin 3 Lane	-	-	136	2-Way Yellow
	From Begin 3 Lane to Begin 2 Lane	3.47	110	420	2-Way Yellow
	Gore Areas	4.09	800	3599	2-Way Yellow
	Bay Lines	-	-	167	2-Way Yellow
		-	-	66	Red-Clear
370	From SR 15 to Benton Co.	5.8	110	702	2-Way Yellow
370	From SR 4 to Union Co.	12.03	110	1456	2-Way Yellow
2	From SR 15 to Benton Co.	3.78	110	457	2-Way Yellow
368	From Begin State Maintenance to End State Maintenance	3.06	110	370	2-Way Yellow

Total 2-Way Yellow	8779
Total Red-Clear	77


- ① Indicates Sections Requiring The Removal And Replacement Of Raised Pavement Markers
- ② Indicates Sections Requiring The Replacement Of Raised Pavement Markers (No In Place)

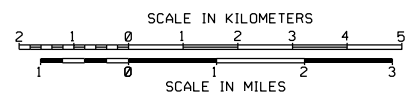
ESTIMATED RAISED PAVEMENT MARKERS REQUIRED	
<u>8779</u>	TWO WAY YELLOW
<u>77</u>	RED CLEAR



UNION COUNTY



MAINTENANCE MAP
TIPPAH 
 MISSISSIPPI
 REVISED 12/ 08 /06
 MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 PLANNING DIVISION



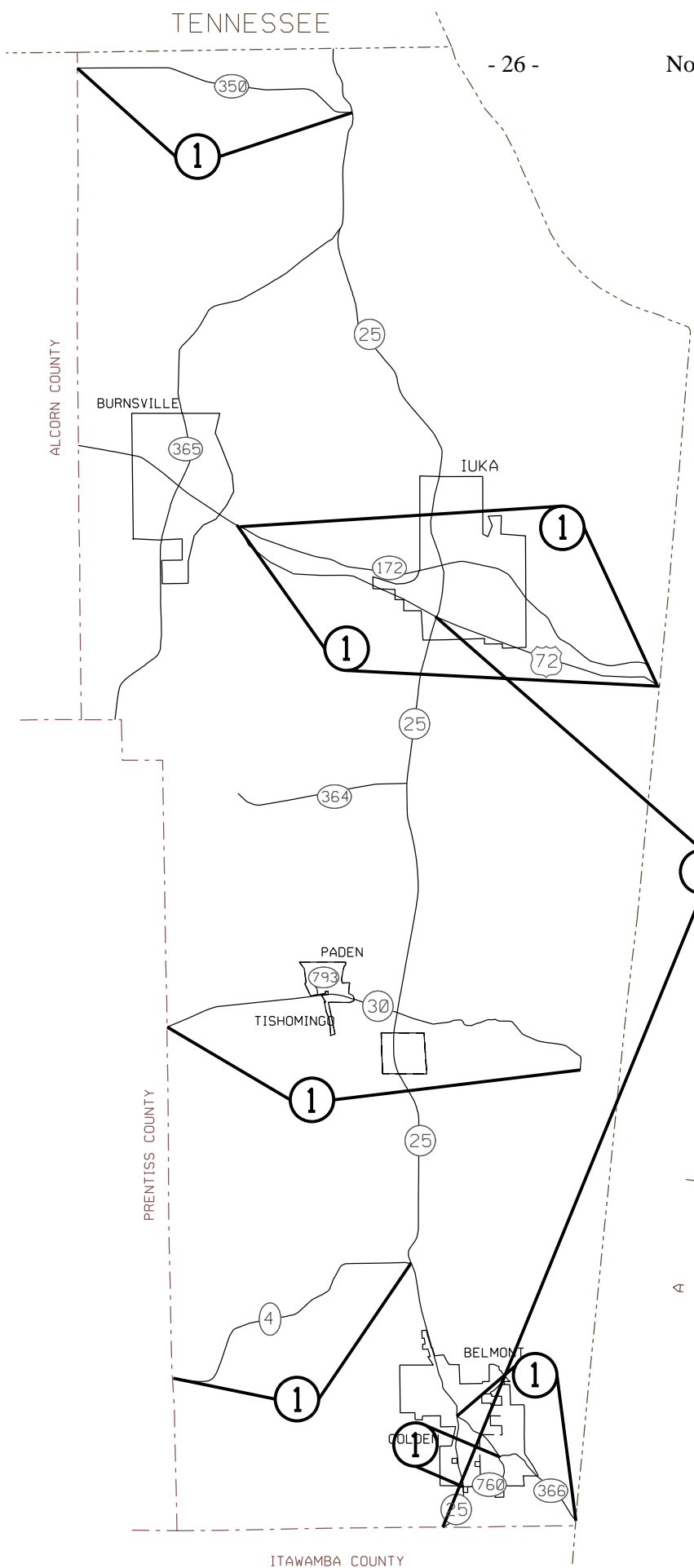
RAISED PAVEMENT MARKERS 2017
Tishomingo County

Sections That Require Markers

Route	Limits	Length	Markers/Mile	Total	Type
172	SR 72 to SR 72	11.91	110	1441	2-Way Yellow
350	SR 25 to Alcorn Co	7.3	110	883	2-Way Yellow
366	SR 25 to Alabama State Line	4.18	110	506	2-Way Yellow
760	SR 25 to SR 366	1.64	110	198	2-Way Yellow
4	From Hwy 25 to Prentiss Co.	7.33	110	887	2-Way Yellow
25	From Itawamba to Begin 4-Lane (@ US 72)	23.3	110	2819	2-Way Yellow
30	From Prentiss Co. to End State Maintenance	10.8	100	1188	2-Way Yellow
72	From just west of Hwy 172 to Alabama State Line Baylines/Gore Areas @ Interchanges	11.52	220	2788	Red-Clear
		-	-	1179	Red-Clear
				Total 2-Way Yellow	7922
				Total Red-Clear	3967

① Indicates Sections Requiring The Removal And Replacement Of Raised Pavement Markers

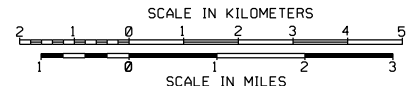
ESTIMATED RAISED PAVEMENT MARKERS REQUIRED
7922 TWO WAY YELLOW
3967 RED CLEAR



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MAINTENANCE MAP
TISHOMINGO
 MISSISSIPPI
 REVISED 12/ 08/ 06
 MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 PLANNING DIVISION

71



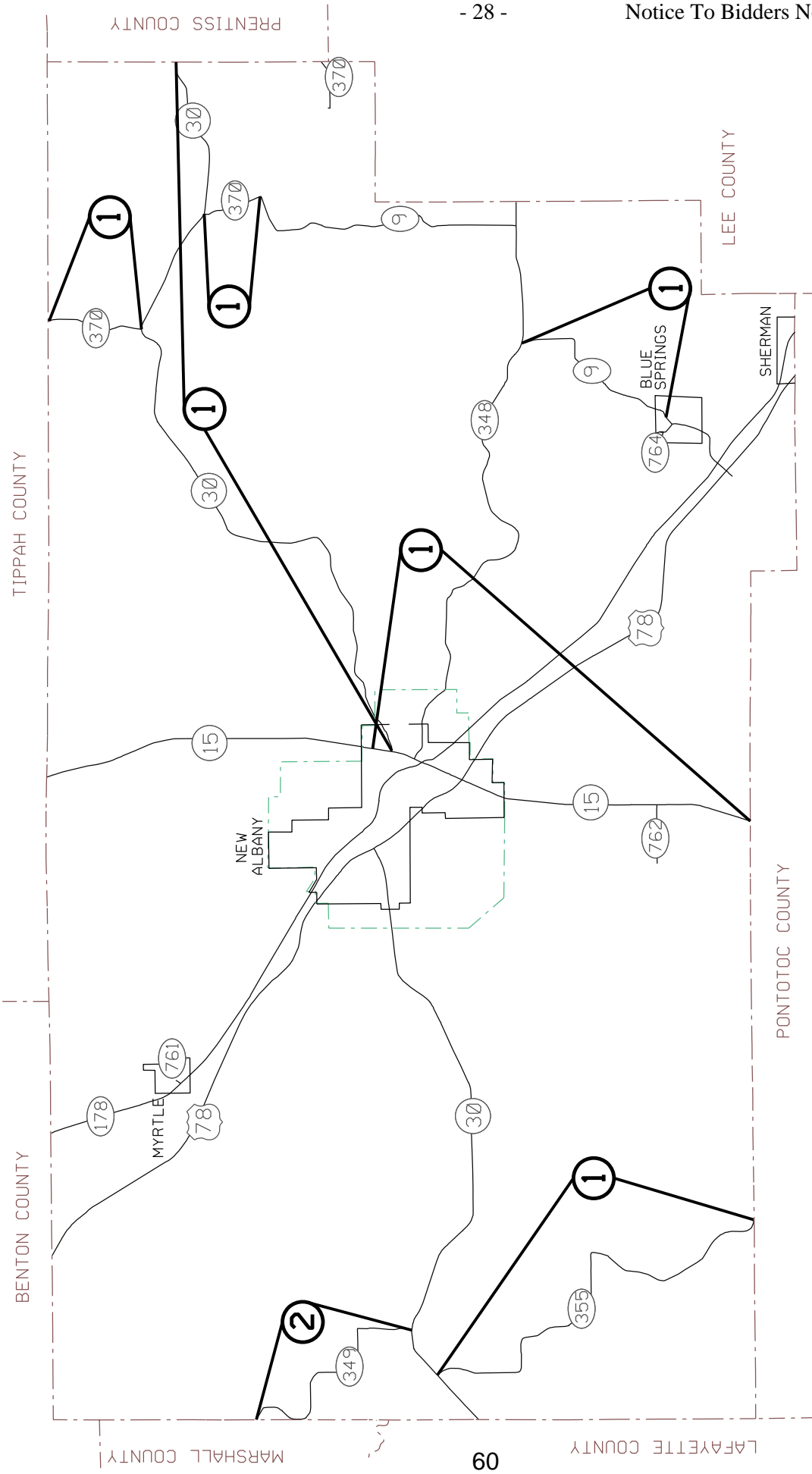
ITAWAMBA COUNTY

RAISED PAVEMENT MARKERS 2017
Union County

Sections That Require Markers

Route	Limits	Length	Markers/Mile	Total	Red/Yellow
9	From SR 348 to RR Tracks at Blue Springs	3.97	110	480	2-Way Yellow
349	From SR 30 to Marshall Co	5.1	110	617	2-Way Yellow
370	From Tippah Co. to SR 9	1.3	110	157	2-Way Yellow
	From End State Maintenance to Prentiss Co.	1.12	110	136	2-Way Yellow
355	From SR 30 to Pontotoc Co.	9.75	110	1180	2-Way Yellow
15	From Pontotoc to Begin 5-Lane Gore Areas	5.53	110	669	2-Way Yellow
		-	-	114	2-Way Yellow
	From Begin 5-Lane to Begin 4-Lane Divided	2.7	800	2376	2-Way Yellow
		2.7	264	784	Red-Clear
	Gore Areas	-	-	26	2-Way Yellow
	Bay Lines	-	-	88	Red-Clear
30	From Hwy 15 to Prentiss Co	18.24	110	2207	2-Way Yellow

Total 2-Way Yellow	7962
Total Red-Clear	872



PRENTISS COUNTY

TIPPAH COUNTY

LEE COUNTY

BENTON COUNTY

PONTOTOC COUNTY

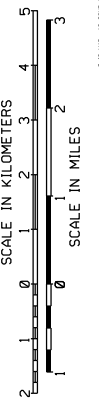
MARSHALL COUNTY

LAFAYETTE COUNTY

MAINTENANCE MAP

UNION MISSISSIPPI

REVISÉD 12 / 08 / 08
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
PLANNING DIVISION



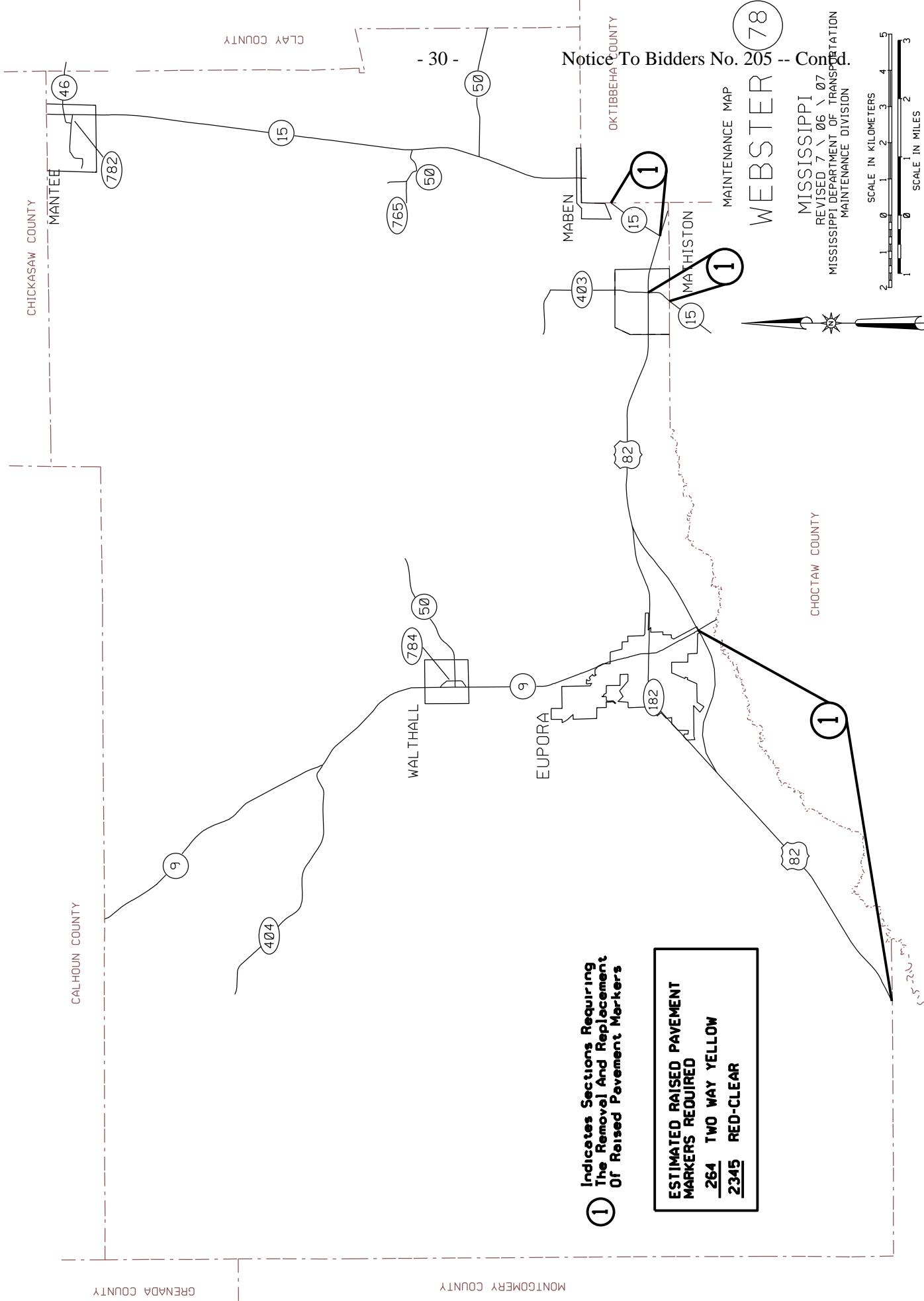
ESTIMATED RAISED PAVEMENT MARKERS REQUIRED	
7962	TWO WAY YELLOW
872	RED-CLEAR

- ① Indicates Sections Requiring The Removal And Replacement Of Raised Pavement Markers
- ② Indicates Sections Requiring The Replacement Of Raised Pavement Markers (No In Place)

**RAISED PAVEMENT MARKERS 2017
Webster County**

Sections That Require Markers

Route	Limits	Length	Markers/Mile	Total	Red/Clear Red-Clear			
82	From Montgomery Co. to SR 9 Gore Areas	10.06 -	200 -	2213 132	Red-Clear Red-Clear			
15	From Choctaw Co. Line to US 82 From US 82 to Oktibbeha Co.	0.58 1.6	110 110	70 194	2-Way Yellow 2-Way Yellow			
<table border="1" style="margin: auto;"> <tr> <td>Total 2-Way Yellow</td> <td>264</td> </tr> <tr> <td>Total Red-Clear</td> <td>2345</td> </tr> </table>					Total 2-Way Yellow	264	Total Red-Clear	2345
Total 2-Way Yellow	264							
Total Red-Clear	2345							



① Indicates Sections Requiring The Removal And Replacement Of Raised Pavement Markers

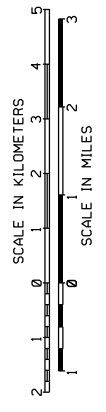
ESTIMATED RAISED PAVEMENT MARKERS REQUIRED	
<u>264</u>	TWO WAY YELLOW
<u>2345</u>	RED-CLEAR

Notice To Bidders No. 205 -- **Cond.**

WEBSTER 78

MAINTENANCE MAP

MISSISSIPPI
REVISED 7 \ 06 \ 07
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
MAINTENANCE DIVISION



MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-103-1

CODE: (SP)

DATE: 05/02/2017

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 fourth and fifth sentences of the third paragraph of Subsection 103.01 on page 19, and substitute the following.

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.

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.

Raised Pavement Markers on various routes throughout the district, known as State Project No. MP-1000-00(083) / 306069301 District Wide (1)

Line no.	Item Code	Adj Code	Quantity	Units	Description[Fixed Unit Price]
Roadway Items					
0010	618-A001		1	Lump Sum	Maintenance of Traffic
0020	620-A001		1	Lump Sum	Mobilization
0030	627-K001		25,191	Each	Red-Clear Reflective High Performance Raised Markers
0040	627-L001		76,568	Each	Two-Way Yellow Reflective High Performance Raised Markers

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-1000-00(083)/ 306069301000**

in **District 1** _____ 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-1000-00(083)/ 306069301000

LOCATED IN THE COUNTY(IES) OF District 1

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. _____.

SECTION 903
PERFORMANCE AND PAYMENT BOND

CONTRACT BOND FOR: MP-1000-00(083)/ 306069301000

LOCATED IN THE COUNTY(IES) OF: District 1

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 **Raised Pavement Markers on various routes throughout the district, known as State Project No. MP-1000-00(083) / 306069301 District Wide (1).**

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)

(Principal) (Seal)

By: _____
(Name) (Title)

(Witness)

(Surety) (Seal)

By: _____
(Attorney-in-Fact)

(MS Agent)

Mississippi Insurance ID Number