

**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.

Bidder acknowledges receipt of and has added to and made a part of the proposal and contract documents the following addendum (addenda):

ADDENDUM NO. <u>1</u>	DATED <u>4/20/2022</u>	ADDENDUM NO. <u>4</u>	DATED <u>5/16/2022</u>
ADDENDUM NO. <u>2</u>	DATED <u>4/22/2022</u>	ADDENDUM NO. _____	DATED _____
ADDENDUM NO. <u>3</u>	DATED <u>4/22/2022</u>	ADDENDUM NO. _____	DATED _____

Number	Description
1	Revised NTB No. 4125; Revised Progress Schedule; Amendment EBSx Download Required.
2	Revised Table of Contents; Add NTB No. 4128; Amendment EBSx Download Required.
3	Postponed until May 24, 2022 Letting; Amendment EBSx Download Required.
4	Revised Table of Contents; Revised Advertisement; Revised Supplement to NTB No 3599; Revised NTB Nos. 4125 & 4127; Added NTB No. 4129; Revised Bid Items; Revised Progress Schedule; Amendment EBSx Download Required.

TOTAL ADDENDA: 4  
 (Must agree with total addenda issued prior to opening of bids)

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.

NH-0009-04(038)/ 107958301000, NH-0009-04(039)/ 107958302000 & NH-0009-04(039)/ 107958303000  
 Coahoma County(ies)

Revised 01/26/2016

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
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**PROJECT: NH-0009-04(038)/107958301 - Coahoma  
NH-0009-04(039)/107958302 - Coahoma  
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(REVISIONS TO THE ABOVE WILL BE INDICATED ON THE SECOND SHEET  
OF SECTION 905 AS ADDENDA)

05/16/2022 11:54 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, May 24, 2022, from the Bid Express Service and shortly thereafter publicly read on the Sixth Floor For:

Mill & Overlay approximately 12 miles on US 61/49 from 0.6 miles south of SR 161 to Eagles Nest Road, known as Federal Aid Project Nos. NH-0009-04(038) / 107958301 & NH-0009-04(039) / 107958302 in Coahoma County.

The attention of bidders is directed to the Contract Provisions governing selection and employment of labor. Minimum wage rates have been predetermined by the Secretary of Labor and are subject to Public Law 87-581, Work Hours Act of 1962, as set forth in the Contract Provisions.

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 award of this contract will be contingent upon the Contractor satisfying the DBE requirements.**

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

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

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

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

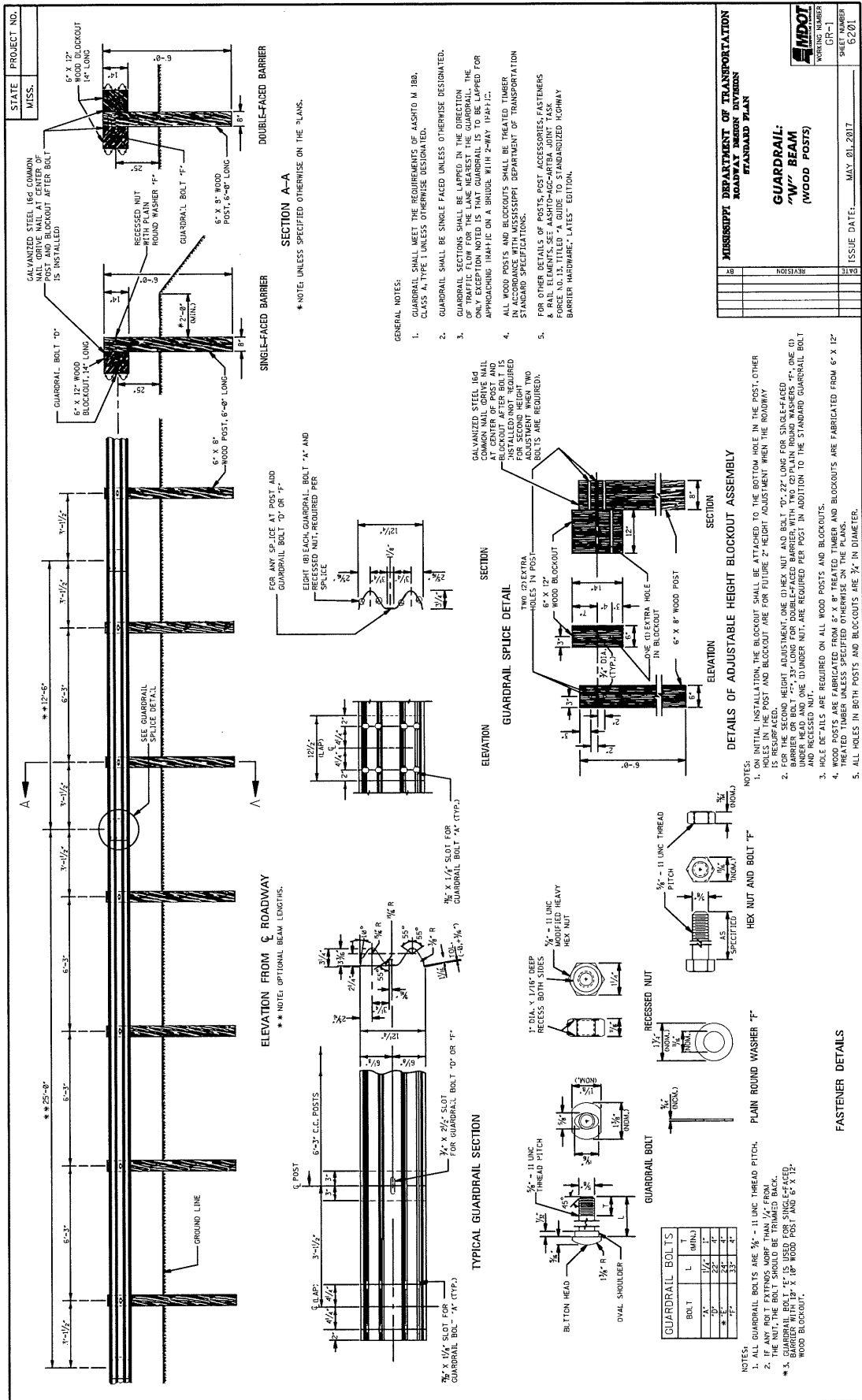
BRAD WHITE  
EXECUTIVE DIRECTOR

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

| **SUPPLEMENT TO NOTICE TO BIDDERS NO. 3599**

| **DATE: 08/11/2021**

| After the last drawing on page 33, add the following.



STATE PROJECT NO.  
MISS.

6" x 12" WOOD BLOCKOUT 14" LONG  
GUARDRAIL BOLT 10"  
6" x 8" WOOD POST, 6'-0" LONG

RECESSED NUT WITH PLAIN ROUND WASHER 1" GUARDRAIL BOLT 10"  
6" x 12" WOOD BLOCKOUT 14" LONG  
6" x 8" WOOD POST, 6'-0" LONG

DOUBLE-FACED BARRIER

SINGLE-FACED BARRIER

SECTION A-A

\* NOTE: UNLESS SPECIFIED OTHERWISE ON THE PLANS.

GENERAL NOTES:

1. GUARDRAIL SHALL MEET THE REQUIREMENTS OF AASHTO M 188, CLASS A, TYPE 1 UNLESS OTHERWISE DESIGNATED.
2. GUARDRAIL SHALL BE SINGLE FACED UNLESS OTHERWISE DESIGNATED.
3. GUARDRAIL SECTIONS SHALL BE LAPPED IN THE DIRECTION OF TRAVEL. THE LAP SHALL BE AT LEAST THE GUARDRAIL HEIGHT. GUARDRAIL IS TO BE LAPPED ON APPROACHING TRAFFIC ON A BRIDGE WITH 2-WAY TRAFFIC.
4. ALL WOOD POSTS AND BLOCKOUTS SHALL BE TREATED TIMBER IN ACCORDANCE WITH MISSISSIPPI DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
5. FOR OTHER DETAILS OF POSTS, POST ACCESSORIES, FASTENERS & RAIL ELEMENTS, SEE ASHTO-AAC-ARTBA JOINT TASK FORCE NO. 15, TITLED "STANDARDIZED HOLLOW WALL GUARDRAIL SYSTEMS" EDITION.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
ROADWAY DIVISION  
STANDARD PLAN

GUARDRAIL:  
"W" BEAM  
(WOOD POSTS)

ISSUE DATE: MAY 21, 2017  
SHEET NUMBER 6201  
WORKING NUMBER CR-1

DATE	REVISION

FOR ANY SPLICE AT POST AND GUARDRAIL BOLT 10" OR 1"

EIGHT (8) EACH GUARDRAIL BOLT 10" AND RECESSED NUT REQUIRED PER SPLICE

GUARDRAIL SPLICE DETAIL

ELEVATION

SECTION

DETAILS OF ADJUSTABLE HEIGHT BLOCKOUT ASSEMBLY

ELEVATION

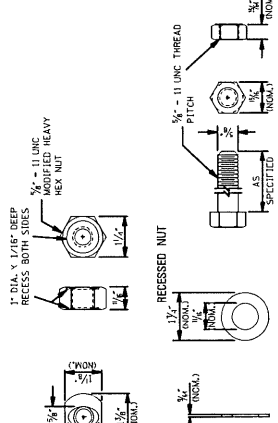
SECTION

- NOTES:
1. ON INITIAL INSTALLATION, THE BLOCKOUT SHALL BE ATTACHED TO THE BOTTOM HOLE IN THE POST. OTHER HOLES IN THE POST AND BLOCKOUT ARE FOR FUTURE 2" HEIGHT ADJUSTMENT WHEN THE ROADWAY IS RESURFACED. HEIGHT ADJUSTMENT ONE (1) HEX NUT AND BOLT 10" 22" LONG FOR SINGLE-FACED BARRIER OR BOLT 10" 33" LONG FOR DOUBLE-FACED BARRIER WITH TWO (2) PLAIN ROUND WASHERS 1", ONE (1) UNDER HEAD AND ONE (1) UNDER NUT, ARE REQUIRED PER POST IN ADDITION TO THE STANDARD GUARDRAIL BOLT.
  2. USE PILES ARE REQUIRED ON ALL WOOD POSTS AND BLOCKOUTS.
  3. WOOD POSTS ARE FABRICATED FROM 6" x 8" TREATED TIMBER AND BLOCKOUTS ARE FABRICATED FROM 6" x 12" TREATED TIMBER UNLESS SPECIFIED OTHERWISE ON THE PLANS.
  4. ALL HOLES IN BOTH POSTS AND BLOCKOUTS ARE 3/4" IN DIAMETER.

GUARDRAIL BOLTS	
BOLT	L (MIN)
"A"	1 1/2'
"B"	22'
"C"	33'

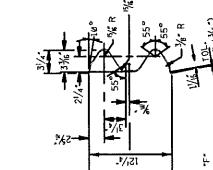
- NOTES:
1. ALL GUARDRAIL BOLTS ARE 3/8" - 11 UNC THREAD PITCH.
  2. IF ANY BOLT EXTENDS MORE THAN 1/2" FROM THE NUT, THE BOLT SHOULD BE TRIMMED BACK.
  3. BARRIER WITH 18" x 18" WOOD POST AND 6" x 12" WOOD BLOCKOUT.

FASTENER DETAILS

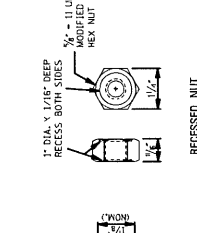


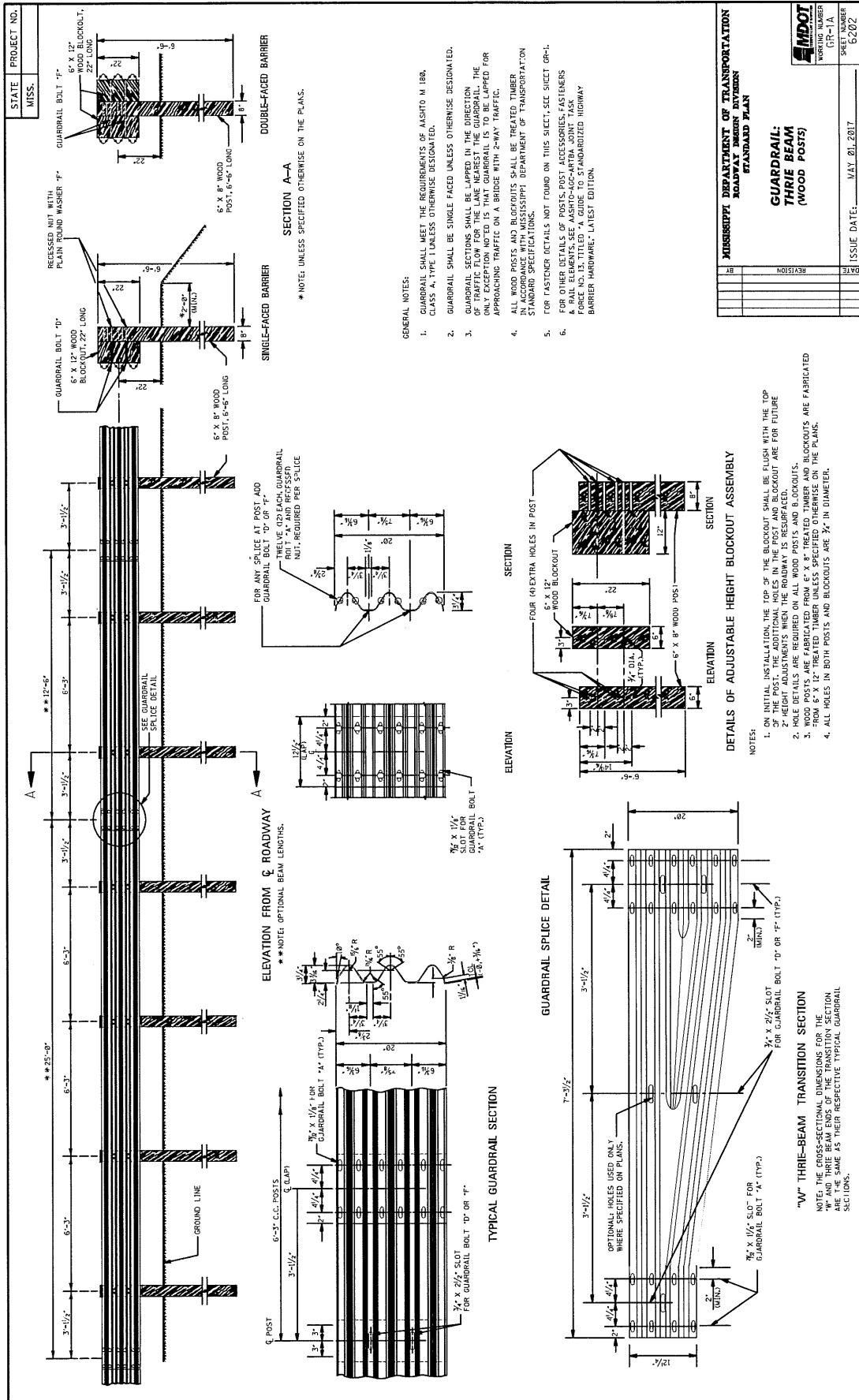
ELEVATION FROM ROADWAY

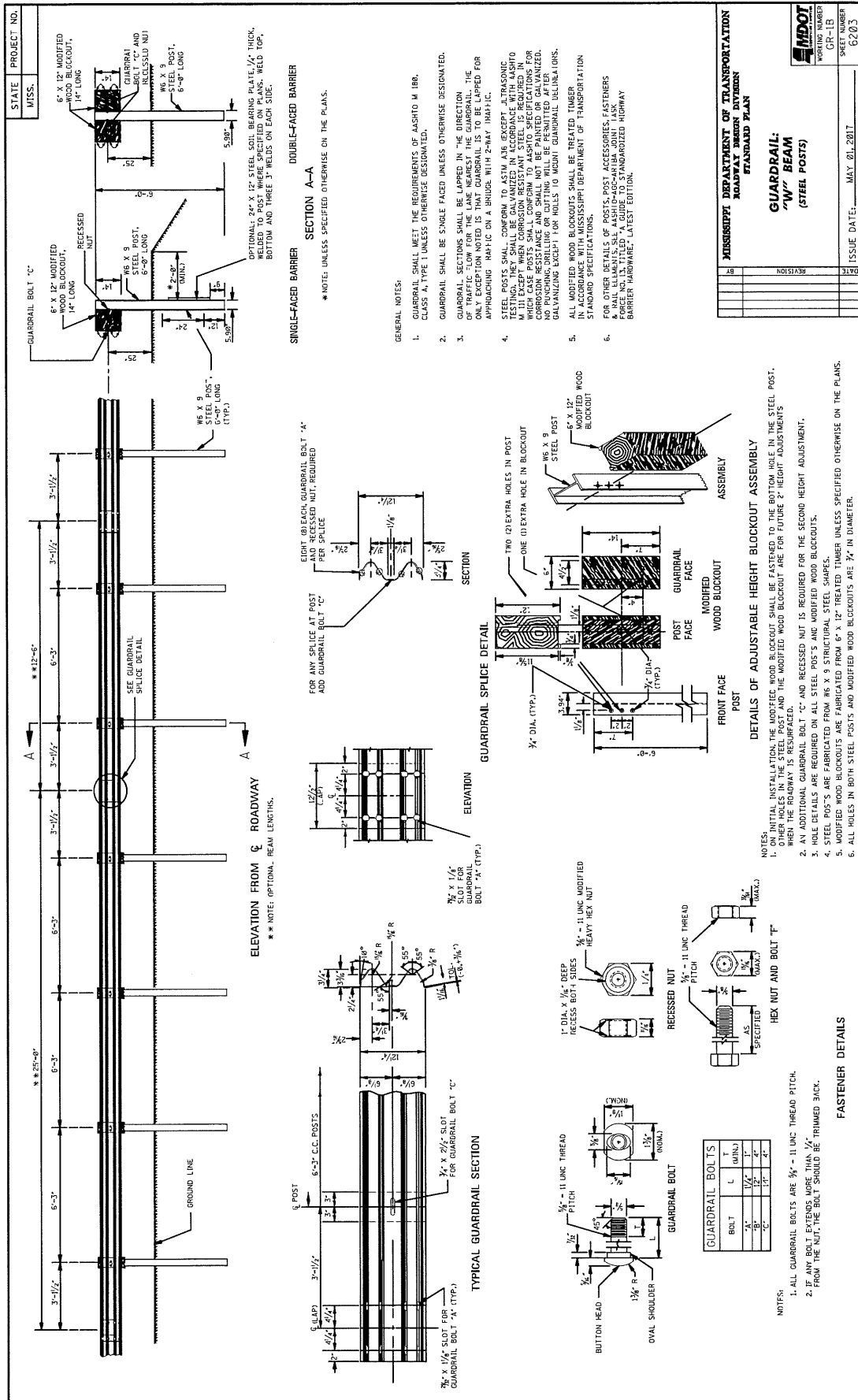
\*\* NOTE: OPTIONAL BEAM LENGTHS.



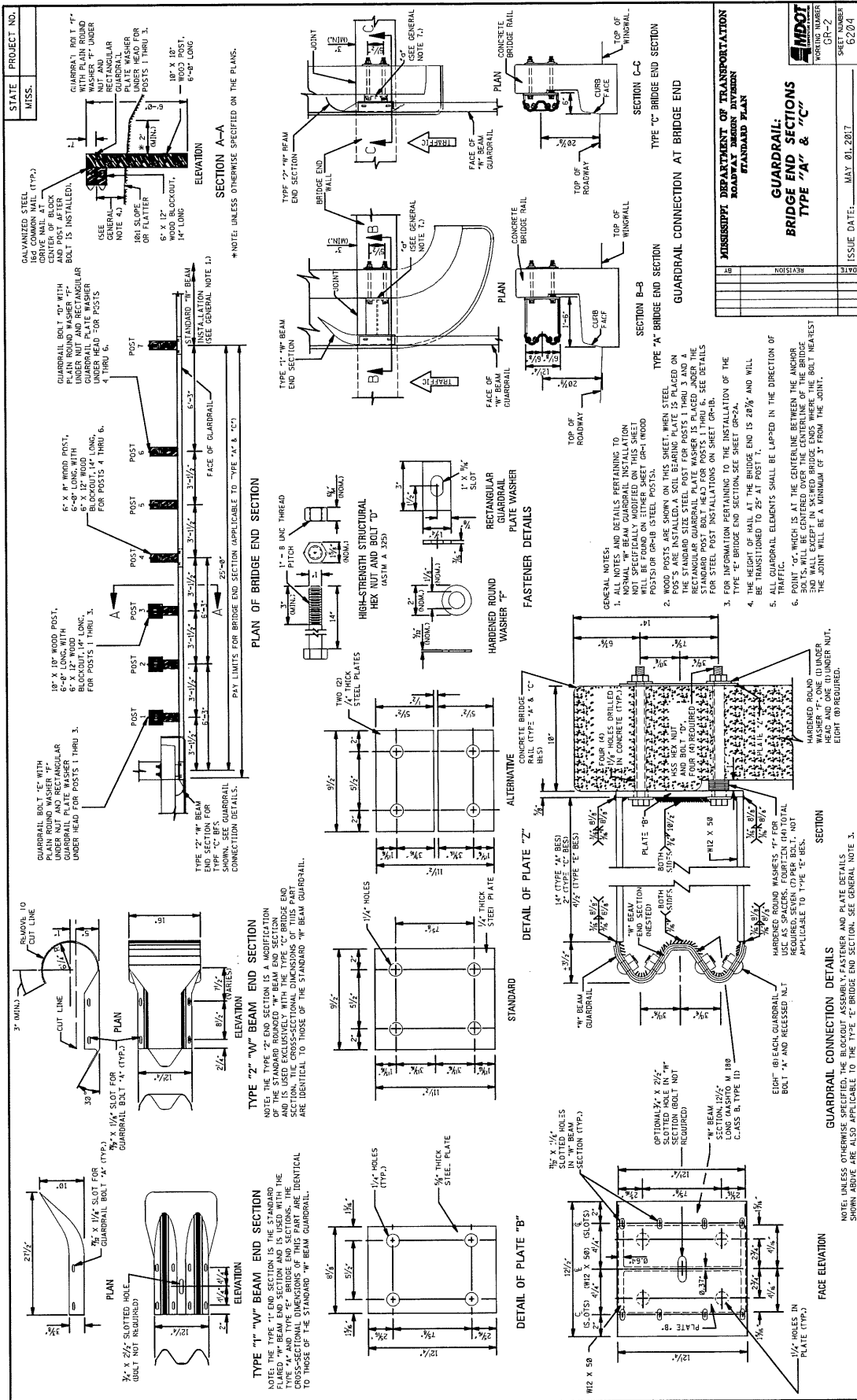
TYPICAL GUARDRAIL SECTION

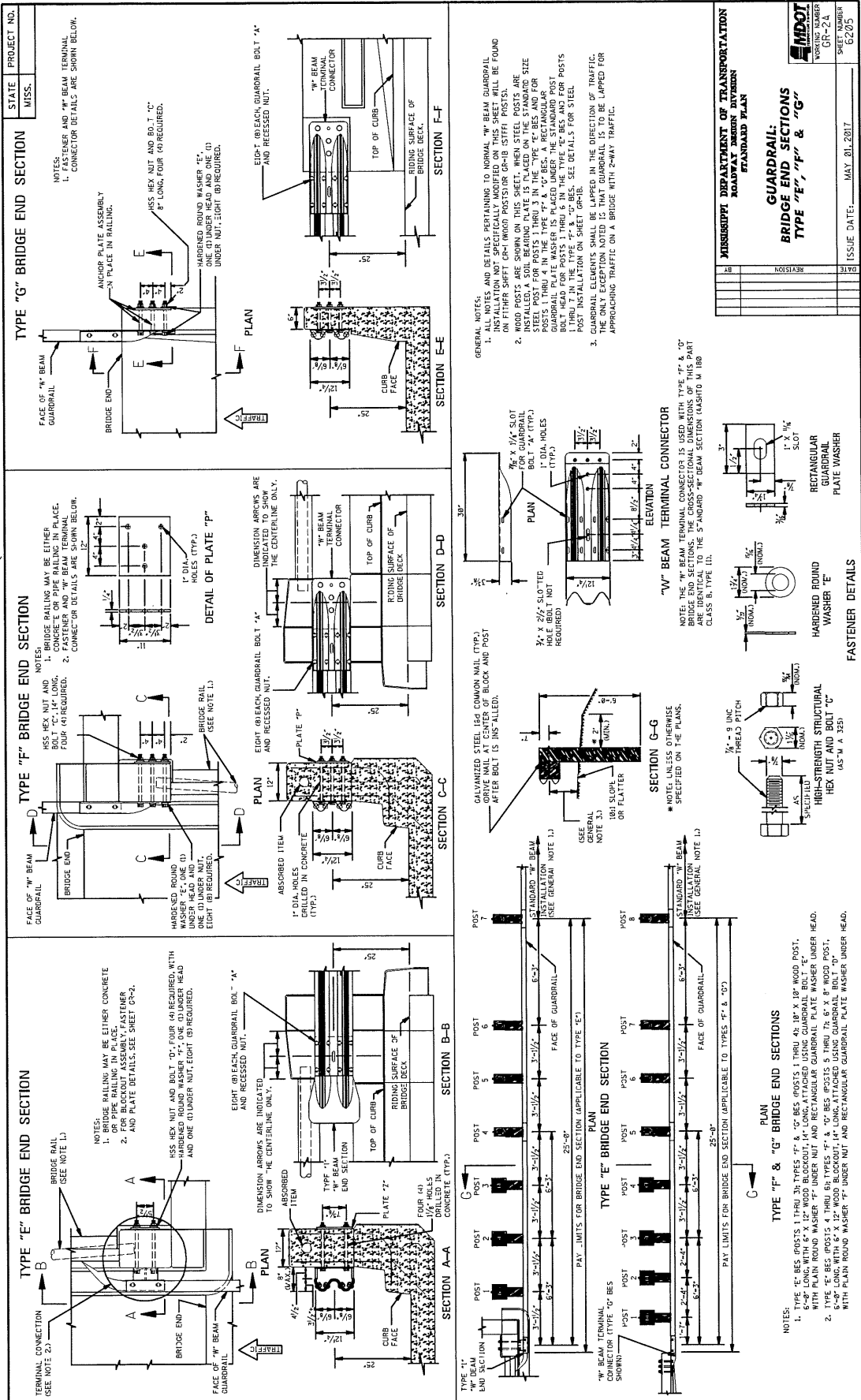




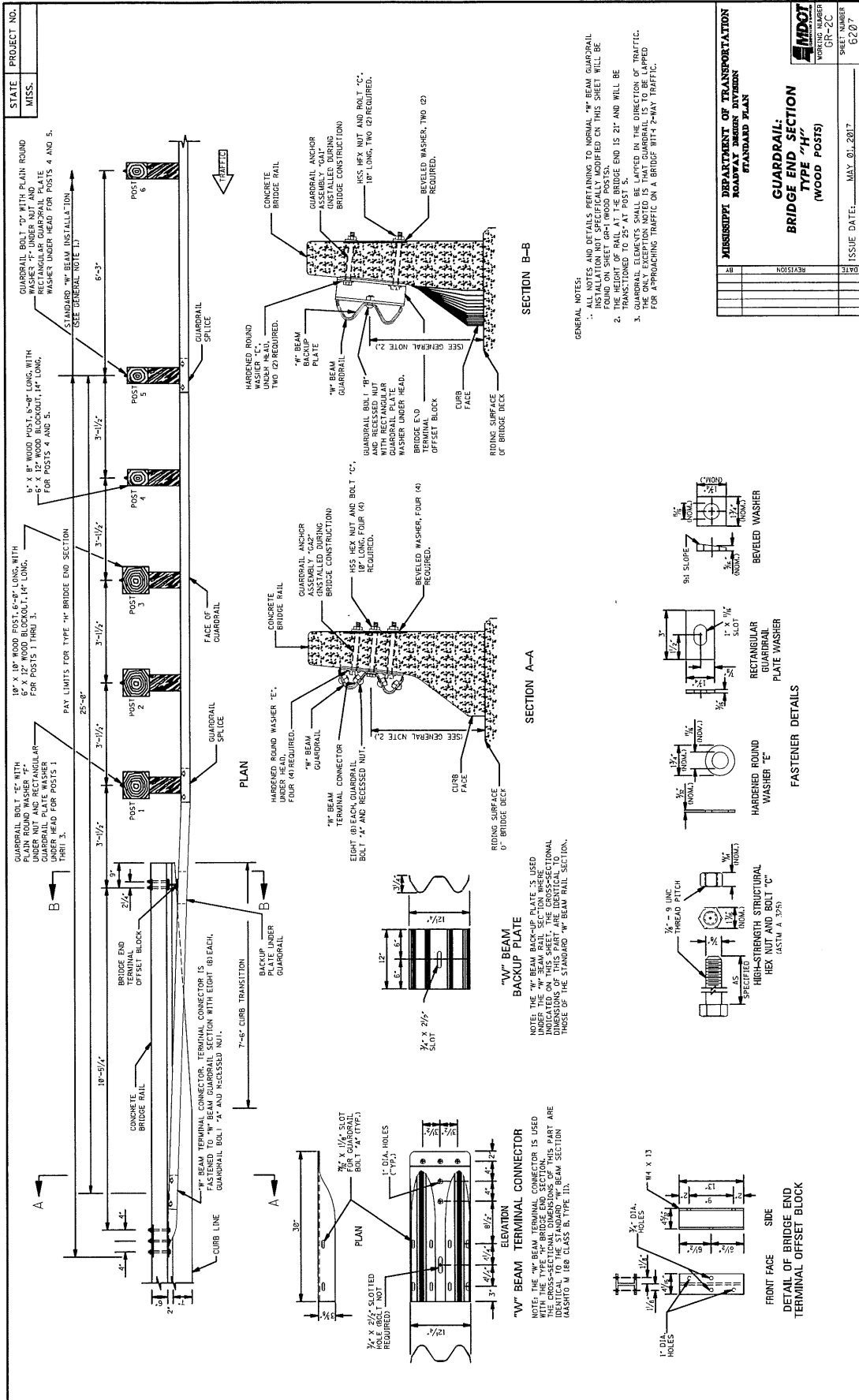


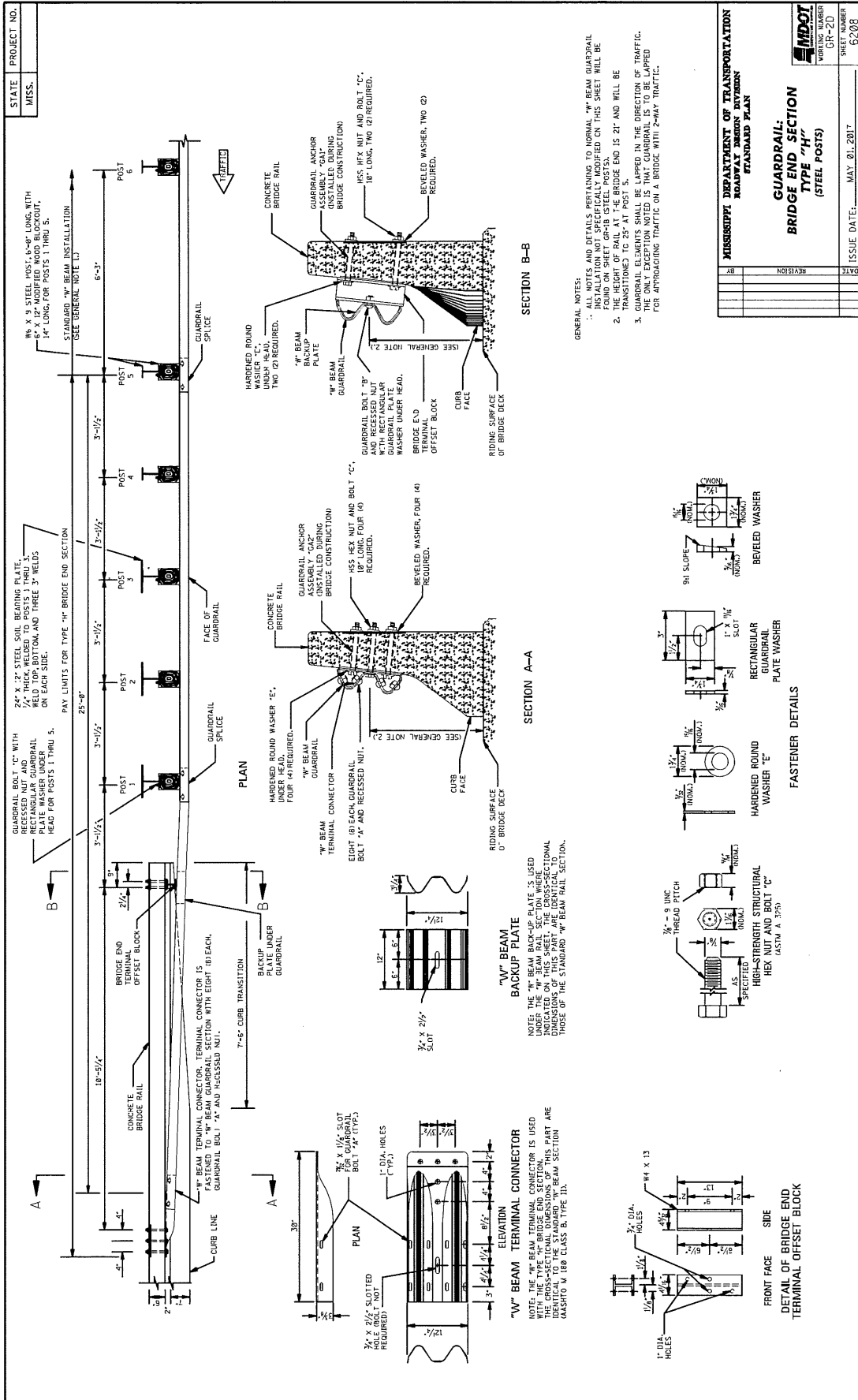












GENERAL NOTES:  
 1. ALL NOTES AND DETAILS PERTAINING TO NORMAL 'W' BEAM GUARDRAIL INSTALLATION NOT SPECIFICALLY MODIFIED ON THIS SHEET WILL BE APPLIED TO THIS TYPE GUARDRAIL.  
 2. THE HEIGHT OF RAIL AT THE BRIDGE END IS 21" AND WILL BE TRANSITIONED TO 25" AT POST 5.  
 3. GUARDRAIL ELEMENTS SHALL BE LAPPED IN THE DIRECTION OF TRAFFIC. THE ONLY EXCEPTION NOTED IS THAT GUARDRAIL IS TO BE LAPPED FOR APPROACHING TRAFFIC ON A BRIDGE WITH 2-WAY TRAFFIC.

DATE	REVISION	BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
 ROADWAY DESIGN DIVISION

GUARDRAIL:  
 BRIDGE END SECTION  
 TYPE "H"  
 (STEEL POSTS)

ISSUE DATE: MAY 01, 2017  
 SHEET NUMBER: 6208

STATE PROJECT NO. MISS.

GUARDRAIL BOLT 'C' WITH 24" X 1/2" STEEL SOIL BEARING PLATE, END POSTS SHALL BE WELDED TO BRIDGE RAIL ON BOTTOM AND THREE 3" WELDS ON EACH SIDE.

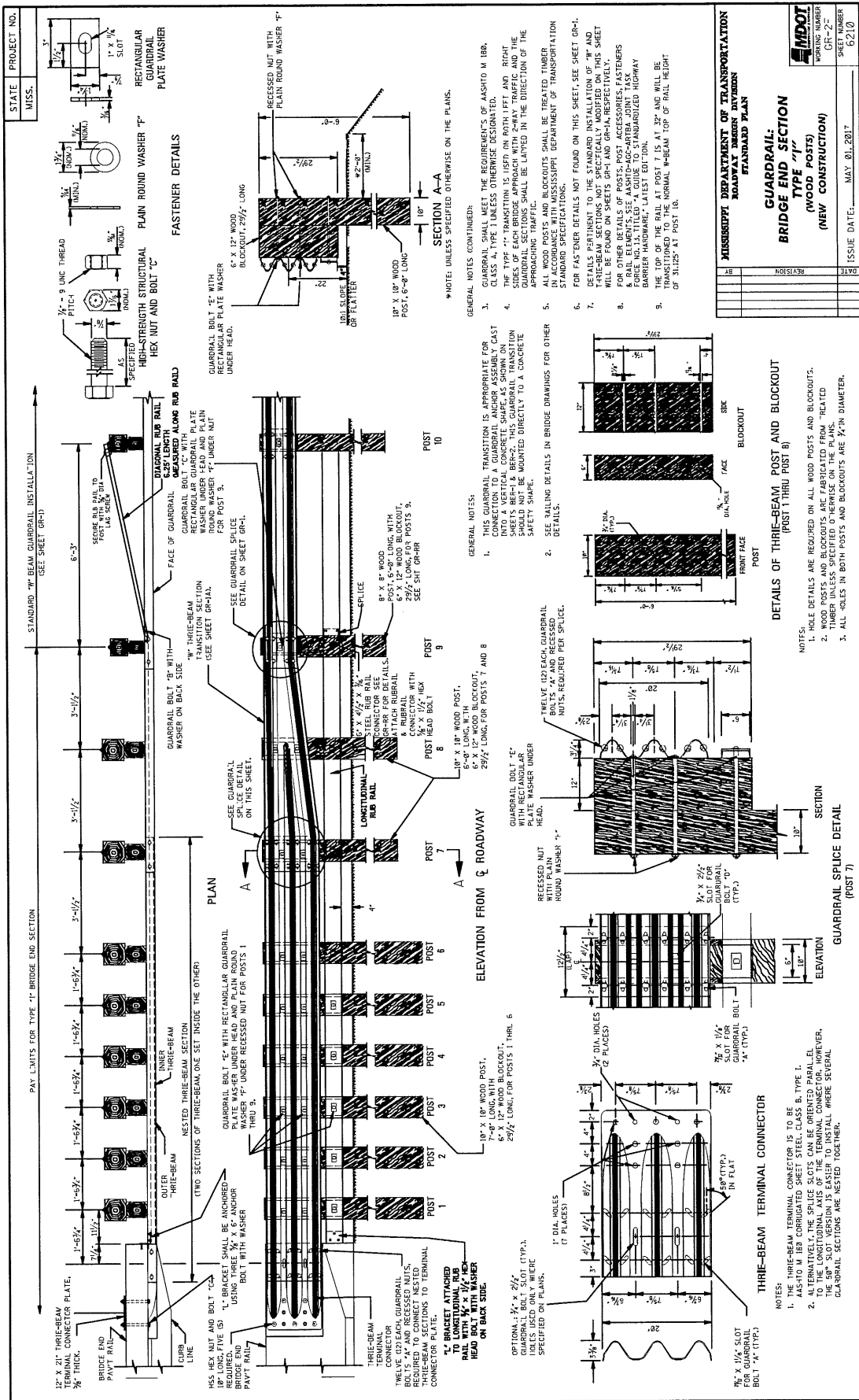
24" X 1/2" STEEL SOIL BEARING PLATE, END POSTS SHALL BE WELDED TO BRIDGE RAIL ON BOTTOM AND THREE 3" WELDS ON EACH SIDE.

24" X 1/2" STEEL SOIL BEARING PLATE, END POSTS SHALL BE WELDED TO BRIDGE RAIL ON BOTTOM AND THREE 3" WELDS ON EACH SIDE.

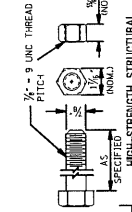
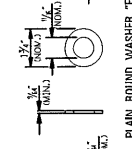
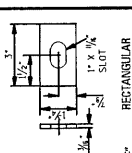
24" X 1/2" STEEL SOIL BEARING PLATE, END POSTS SHALL BE WELDED TO BRIDGE RAIL ON BOTTOM AND THREE 3" WELDS ON EACH SIDE.

24" X 1/2" STEEL SOIL BEARING PLATE, END POSTS SHALL BE WELDED TO BRIDGE RAIL ON BOTTOM AND THREE 3" WELDS ON EACH SIDE.

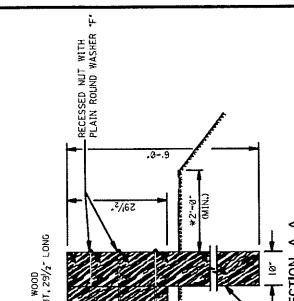




PROJECT NO. \_\_\_\_\_  
STATE MISS.



**FASTENER DETAILS**



**SECTION A-A**

DATE	REVISION	BY

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**  
**ROAD AND BRIDGE DIVISION**  
**STANDARD PLAN**

**GUARDRAIL: BRIDGE END SECTION TYPE "A" (WOOD CONSTRUCTION)**

ISSUE DATE: MAY 01, 2017  
SHEET NUMBER 6210  
WORKING NUMBER CR-27

GENERAL NOTES (CONTINUED)

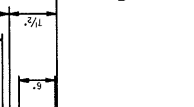
- GUARDRAIL SHALL BE THE REQUIREMENTS OF ASHTO M 188, UNLESS OTHERWISE DESIGNATED.
- THE TYPE "A" TRANSITION IS LEFT ON BOTH LEFT AND RIGHT SIDES OF EACH BRIDGE APPROACH WITH 2-WAY TRAFFIC AND THE APPROACHING TRAFFIC.
- FOR OTHER DETAILS OF POSTS-POST ACCESSORIES FASTENERS & RAIL ELEMENTS SEE ASHTO-ARB-4 JOINT TASK FORCE NO. 11, TITLED "A GUIDE TO STANDARDIZED HIGHWAY GUARDRAILS".
- THE TOP OF THE RAIL AT POST 7 IS AT 3" AND WILL BE TRANSITIONED TO THE NORMAL W-BEAM TOP OF RAIL HEIGHT OF 31.125" AT POST 10.

FOR FASTENER DETAILS NOT FOUND ON THIS SHEET, SEE SHEET GR-1. DETAILS PERTAINING TO THE STANDARD INSTALLATION OF "B" AND "C" TYPE GUARDRAILS ARE SHOWN ON SHEET GR-2. FOR OTHER DETAILS OF POSTS-POST ACCESSORIES FASTENERS & RAIL ELEMENTS SEE ASHTO-ARB-4 JOINT TASK FORCE NO. 11, TITLED "A GUIDE TO STANDARDIZED HIGHWAY GUARDRAILS".

GENERAL NOTES

- THIS GUARDRAIL TRANSITION IS APPROPRIATE FOR CAST INTO A VERTICAL CONCRETE SHAPE, AS SHOWN ON SHEETS BR-1 & BR-2. THIS GUARDRAIL TRANSITION SHALL BE MOUNTED DIRECTLY TO A CONCRETE SAFETY SHAPE.
- SEE RAILING DETAILS IN BRIDGE DRAWINGS FOR OTHER DETAILS.
- TWELVE (12) EACH GUARDRAIL BOLTS "A" AND RECESSED NUTS, REQUIRED PER SPLICE.

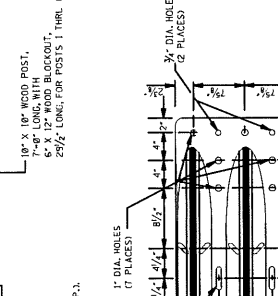
RECESSED NUT WITH PLAIN ROUND WASHER "A"



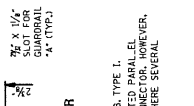
**DETAILS OF THREE-BEAM POST AND BLOCKOUT (POST 1 THRU POST 6)**

- NOTES:
- HOLE DETAILS ARE REQUIRED ON ALL WOOD POSTS AND BLOCKOUTS.
  - TIMBER UNLESS SPECIFIED OTHERWISE ON THE PLANS.
  - ALL HOLES IN BOTH POSTS AND BLOCKOUTS ARE 1/4" IN DIAMETER.

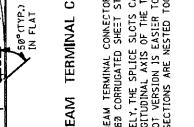
ELEVATION FROM & ROADWAY



**GUARDRAIL SPLICE DETAIL (POST 7)**



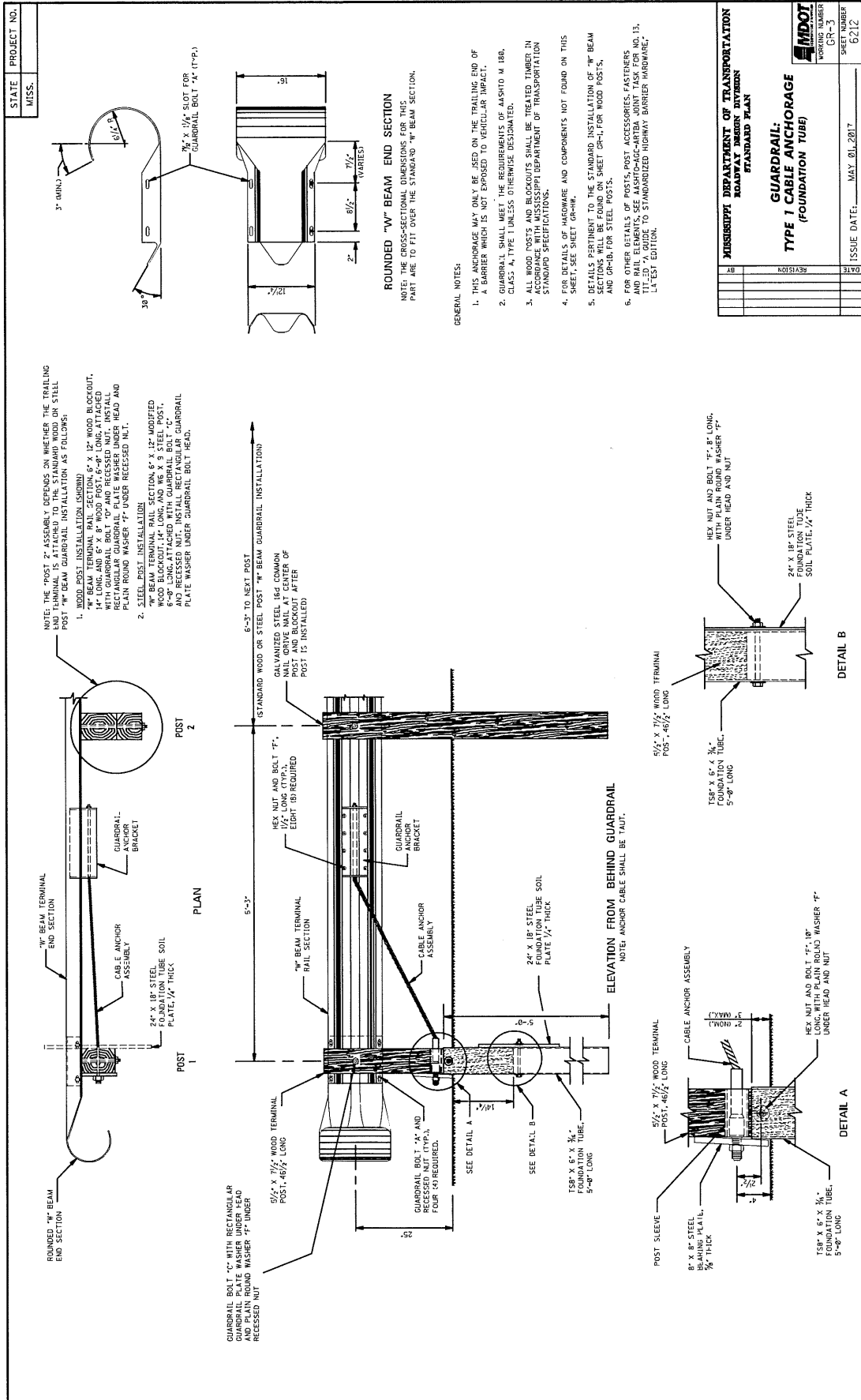
**THREE-BEAM TERMINAL CONNECTOR**



- OPTIONAL: 3/4" x 2 1/2" GUARDRAIL BOLT SLOT (TYP.) GUARDRAIL BOLT WITH WASHER REQUIRED TO CONNECT NESTED THREE-BEAM SECTIONS TO TERMINAL CONNECTOR PLATE.
- NOTES:
- THE THREE-BEAM TERMINAL CONNECTOR IS TO BE ASHTO M 188 CORRUGATED SHEET STEEL CLASS B, TYPE 1.
  - THE 18" SLOT VERSION IS EASIER TO INSTALL WHERE SEVERAL GUARDRAIL SECTIONS ARE NESTED TOGETHER.





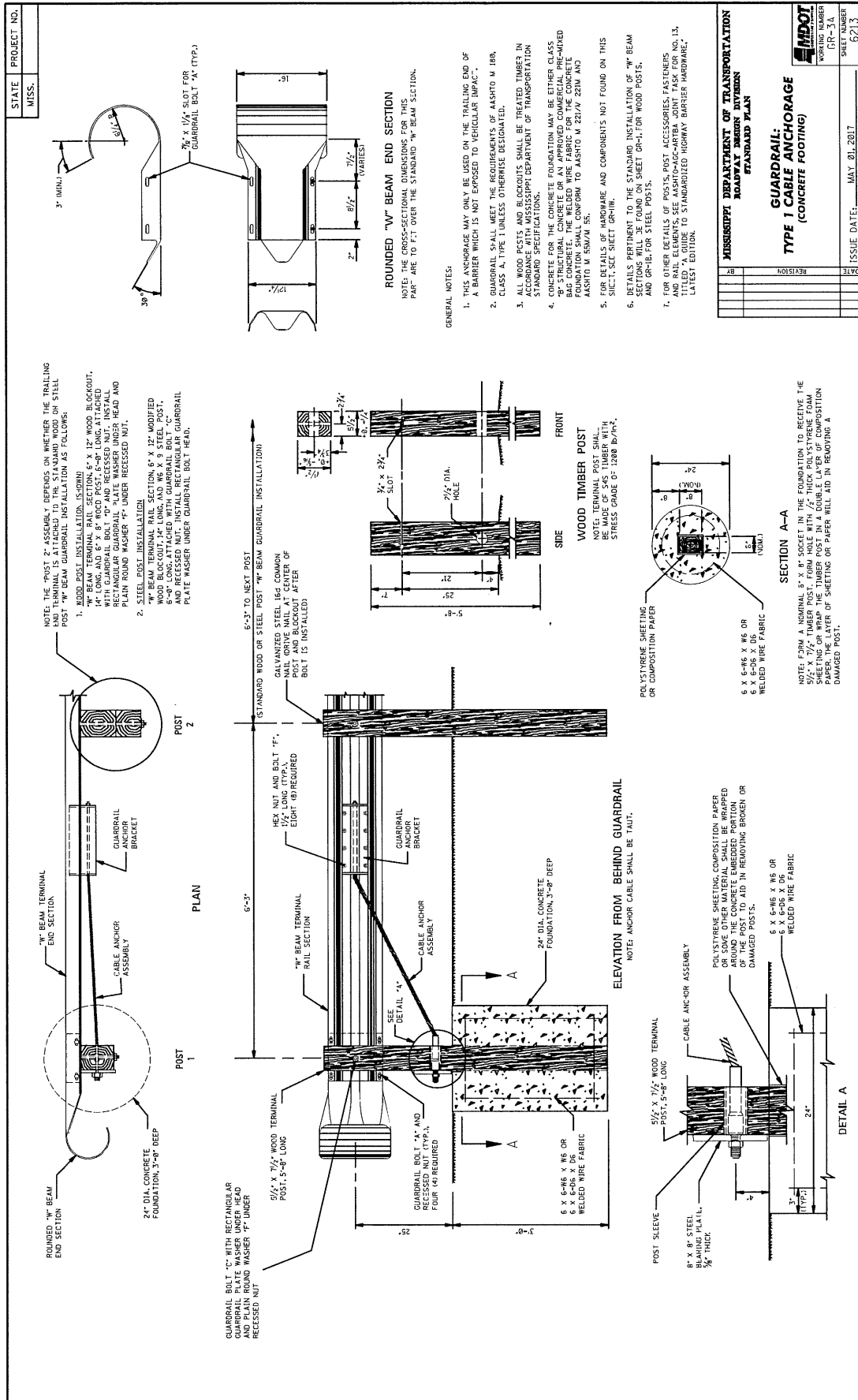


**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**  
ROADWAY DESIGN DIVISION  
STANDARD PLAN

**GUARDRAIL:**  
**TYPE 1 CABLE ANCHORAGE**  
(FOUNDATION TUBE)

DATE	REVISIONS	ISSUE DATE: MAY 01, 2017	SHEET NUMBER	6212

**MDOT**  
WORKING NUMBER  
CR-3



STATE PROJECT NO.  
MISS.

NOTE: THE POST 2' ASSEMBLY DEPENDS ON WHETHER THE TRAILING END TERMINAL IS ATTACHED TO THE STANDARD WOOD OR STEEL POST "W" BEAM GUARDRAIL INSTALLATION AS FOLLOWS:

1. WOOD POST INSTALLATION (USING):  
 1" X 12" WOOD BLOCKOUT,  
 1" X 12" WOOD POST, 6" X 12" WOOD BLOCKOUT,  
 1" X 12" WOOD POST, 6" X 12" WOOD BLOCKOUT,  
 WITH GUARDRAIL BOLT "D" AND RECESSED NUT. INSTALL WITH GUARDRAIL BOLT "D" UNDER RECESSED NUT, HEAD AND PLAIN ROUND WASHER "F" UNDER RECESSED NUT.
2. STEEL POST INSTALLATION:  
 "W" BEAM TERMINAL RAIL SECTION, 6" X 12" MODIFIED WOOD BLOCKOUT, 1" X 12" WOOD POST,  
 6" X 12" WOOD POST, 6" X 12" WOOD BLOCKOUT, GUARDRAIL PLATE WASHER UNDER GUARDRAIL BOLT HEAD.

GUARDRAIL BOLT "C" WITH RECTANGULAR GUARDRAIL PLATE WASHER UNDER HEAD AND PLAIN ROUND WASHER "F" UNDER RECESSED NUT

24" DIA. CONCRETE FOUNDATION, 3'-0" DEEP

5 1/2" X 7 1/2" WOOD TERMINAL POST, 5'-8" LONG

GUARDRAIL BOLT "K" AND RECESSED NUT (TYP.), FOUR (4) REQUIRED

6 X 6-W6 X W6 OR 6 X 6-W6 X D6 WELDED WIRE FABRIC

24" DIA. CONCRETE FOUNDATION, 3'-0" DEEP

8" X 8" STEEL BLANKING PLATE, 3/8" THICK

POST SLEEVE

5 1/2" X 7 1/2" WOOD TERMINAL POST, 5'-8" LONG

CABLE ANCHOR ASSEMBLY

6 X 6-W6 X W6 OR 6 X 6-W6 X D6 WELDED WIRE FABRIC

24" DIA. CONCRETE FOUNDATION, 3'-0" DEEP

POLYSTYRENE SHEETING, COMPOSITION PAPER OR SOME OTHER MATERIAL SHALL BE WRAPPED AROUND THE POST TO AVOID REMOVING BROKEN OR DAMAGED POSTS.

NOTE: ANCHOR CABLE SHALL BE TIGHT.

SECTION A-A

NOTE: FORM A NOMINAL 6" X 8" SOCKET IN THE FOUNDATION TO RECEIVE THE POST. THE SOCKET SHALL BE WRAPPED WITH POLYSTYRENE SHEETING OR WRAP THE TIMBER POST IN A DOUBLE LAYER OF COMPOSITION PAPER. THE LAYER OF SHEETING OR PAPER WILL AID IN REMOVING A DAMAGED POST.

6 X 6-W6 X W6 OR 6 X 6-W6 X D6 WELDED WIRE FABRIC

WOOD TIMBER POST

NOTE: REMOVE THE POSTS WITH STRESS GRADE OF 2000 LB/IN<sup>2</sup>.

FRONT

SIDE

SECTION A-A

6 X 6-W6 X W6 OR 6 X 6-W6 X D6 WELDED WIRE FABRIC

**ROUNDED "W" BEAM END SECTION**

NOTE: THE CROSS-SECTIONAL DIMENSIONS FOR THIS PART ARE TO FIT OVER THE STANDARD "W" BEAM SECTION.

GENERAL NOTES:

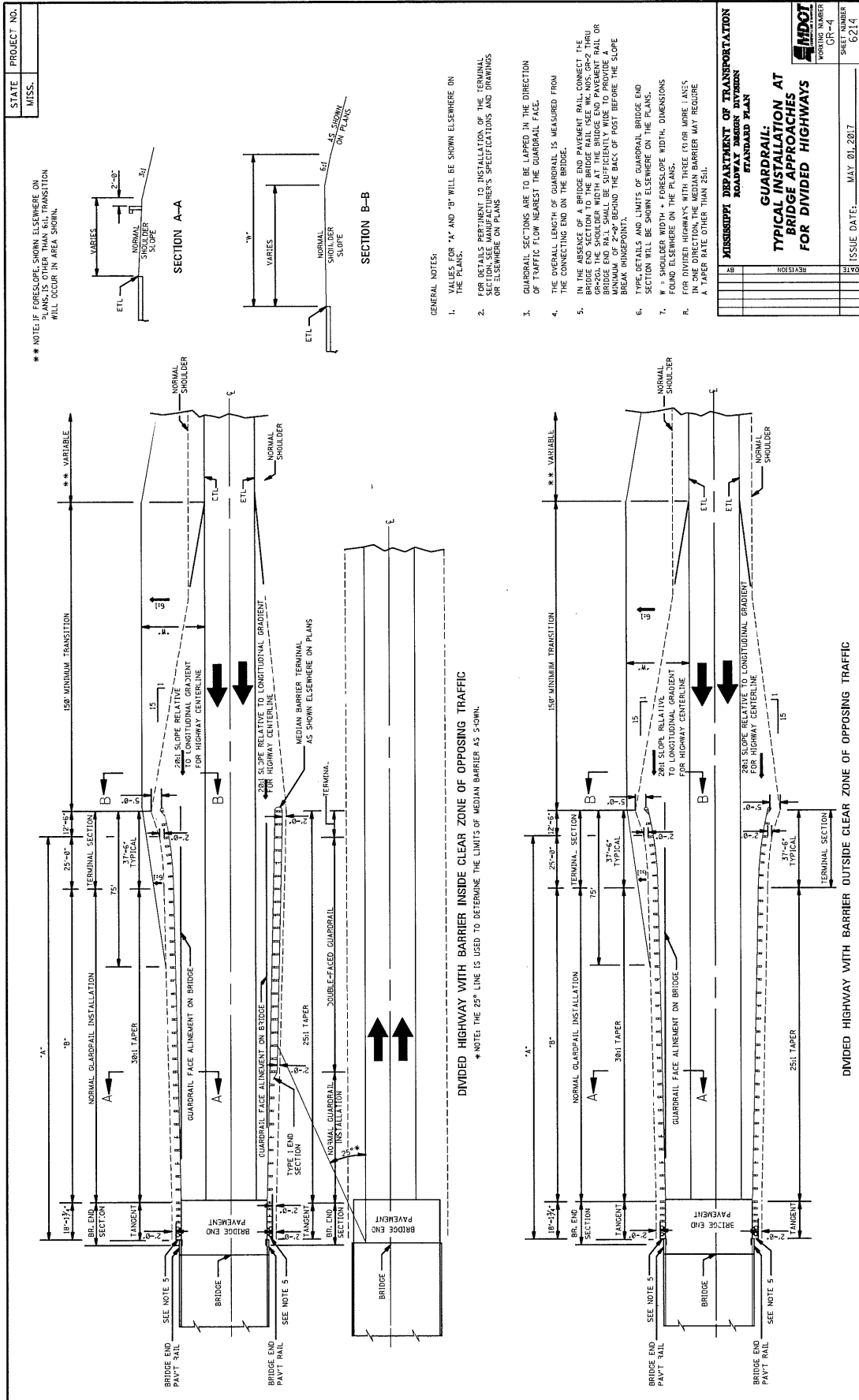
1. THIS ANCHORAGE MAY ONLY BE USED ON THE TRAILING END OF A BARRIER WHICH IS NOT EXPOSED TO VEHICULAR IMPACT.
2. GUARDRAIL SHALL MEET THE REQUIREMENTS OF ASHTO M 118, CLASS A, TYPE 1 UNLESS OTHERWISE DESIGNATED.
3. ALL WOOD PILES AND BLOCKOUTS SHALL BE TREATED TIMBER IN ACCORDANCE WITH MISSISSIPPI DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
4. CONCRETE FOR THE CONCRETE FOUNDATION MAY BE EITHER CLASS "B" STRUCTURAL CONCRETE OR AN APPROVED COMMERCIAL PRE-MIXED CONCRETE. THE CONCRETE SHALL BE COMPACTED TO THE FOUNDATION SHALL CONFORM TO ASHTO M 221/V 221M AND ASHTO M 55/M 55.
5. FOR DETAILS OF HARDWARE AND COMPONENTS NOT FOUND ON THIS SHEET, SEE SHEET GR-11H.
6. DETAILS PERTAINING TO THE STANDARD INSTALLATION OF "W" BEAM AND OR-16 FOR STEEL POSTS.
7. FOR OTHER DETAILS OF POSTS, POST ACCESSORIES, FASTENERS AND RAIL ELEMENTS, SEE ASHTO-M 118-AR18A JOINT TASK FOR NO. 13, LATEST EDITION. REFER TO STANDARDIZED HIGHWAY BARRIER HARDWARE, LATEST EDITION.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
ROADWAY DIVISION  
STANDARD PLAN

**GUARDRAIL:  
TYPE 1 CABLE ANCHORAGE  
(CONCRETE FOOTING)**

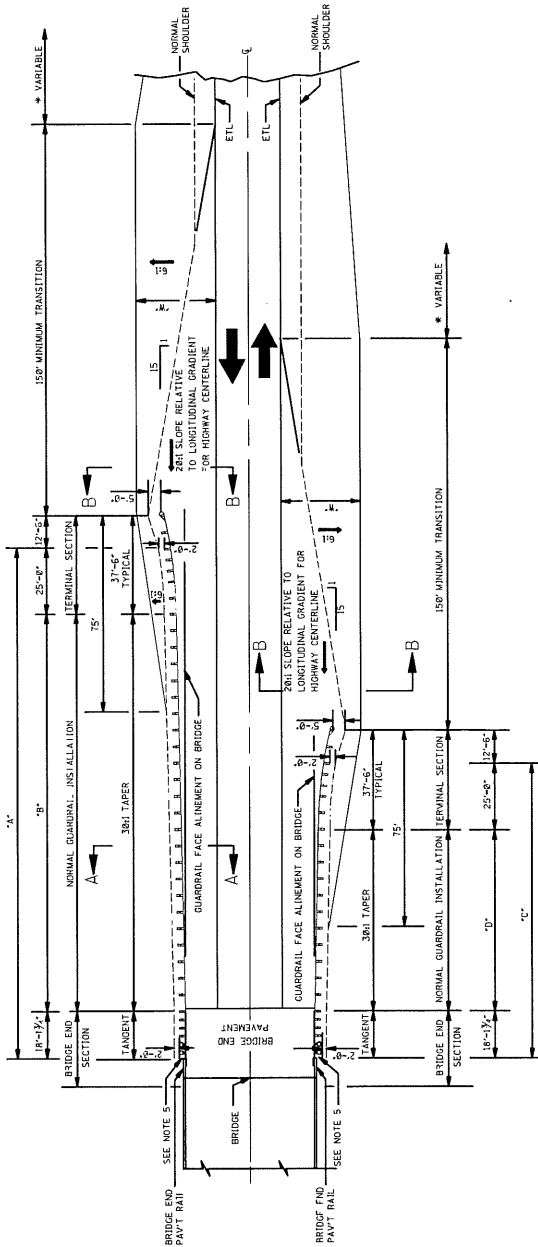
DATE	REVISION

ISSUE DATE: MAY 01, 2012  
SHEET NUMBER: 6213

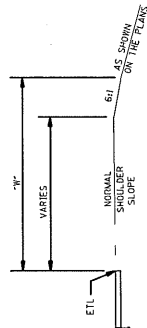


STATE	PROJECT NO.
MISS.	

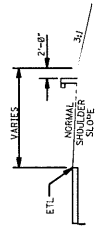
\* NOTE: IF FORESLOPE SHOWN ELSEWHERE ON PLANS, IS OTHER THAN 6:1, TRANSITION WILL OCCUR IN AREA SHOWN.



PLAN



SECTION B-B



SECTION A-A

DETAIL OF GUARDRAIL SECTION LAPS



GENERAL NOTES:

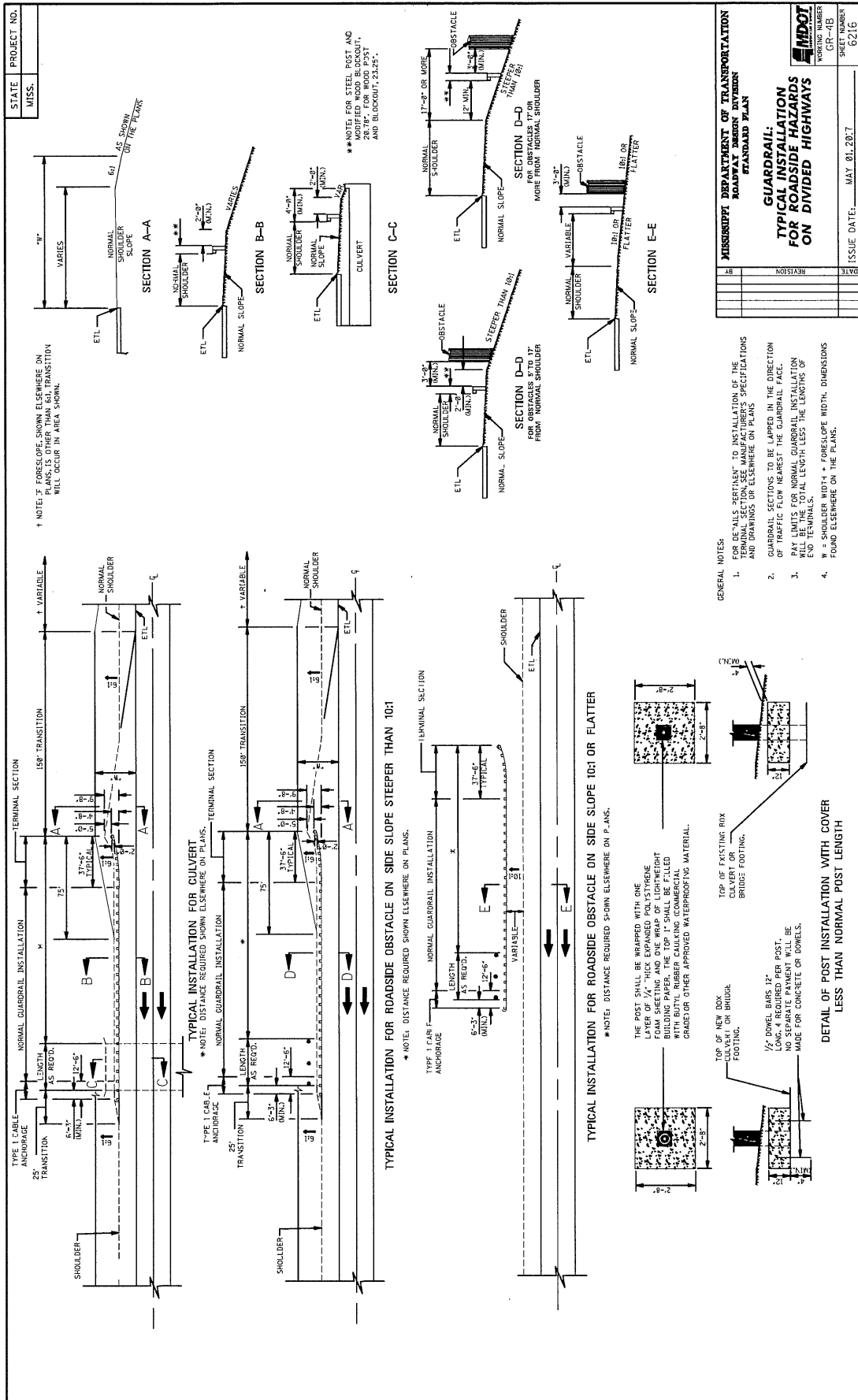
- VALUES FOR "A", "B", "C" AND "D" WILL BE SHOWN ELSEWHERE ON THE PLANS.
- FOR DETAILS PERTAINING TO INSTALLATION OF THE TERMINAL SECTION, SEE MANUFACTURER'S SPECIFICATIONS AND DRAWINGS OR ELSEWHERE ON PLANS.
- GUARDRAIL SECTIONS ARE TO BE LAPPED IN THE DIRECTION OF TRAFFIC APPROACHING THE BRIDGE.
- THE OVERALL LENGTH OF GUARDRAIL IS MEASURED FROM THE CONNECTING END ON THE BRIDGE.
- IN THE ABSENCE OF A BRIDGE END PAVEMENT RAIL, CONNECT THE BRIDGE END SECTION TO THE BRIDGE RAIL (SEE W. MISS. GR-2 THRU GR-20). THE SHOULDER WIDTH AT THE BRIDGE END PAVEMENT RAIL OR BRIDGE RAIL SHALL BE NOT LESS THAN THE MINIMUM SHOULDER WIDTH (MINIMUM OF 2'-0" BEHIND THE BACK OF POST BEFORE THE SLOPE BREAK (HINGEPOINT).
- TYPE, DETAILS AND LIMITS OF GUARDRAIL BRIDGE END SECTION WILL BE SHOWN ELSEWHERE ON THE PLANS.
- W = SHOULDER WIDTH + FORESLOPE WIDTH. DIMENSIONS FOUND ELSEWHERE ON THE PLANS.

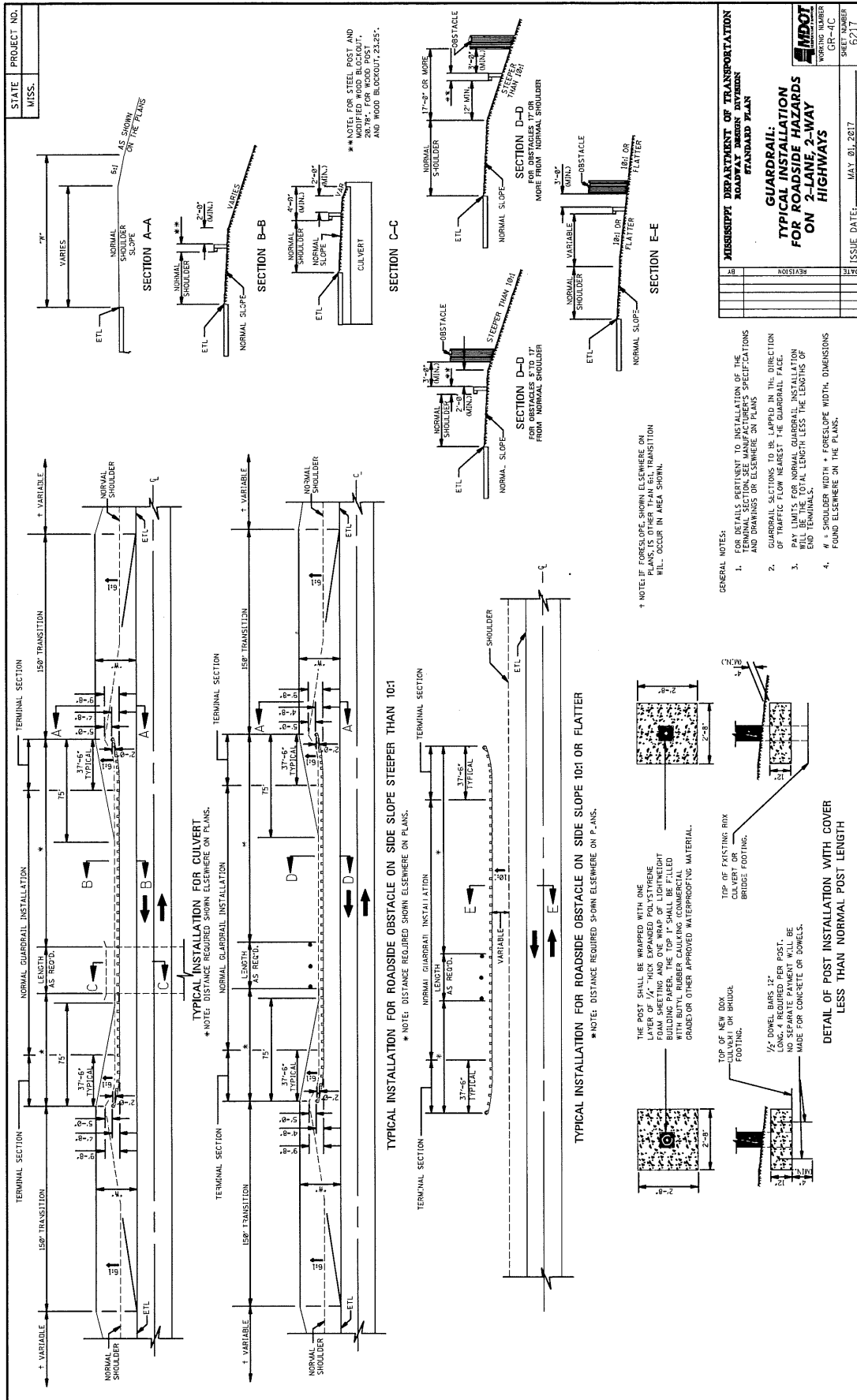
**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**  
**ROADWAY DESIGN DIVISION**  
**STANDARD PLAN**

**GUARDRAIL:**  
**TYPICAL INSTALLATION**  
**AT BRIDGE APPROACHES**  
**FOR 2-LANE, 2-WAY**  
**HIGHWAY**

NO.	REVISION

ISSUE DATE: MAY. 01. 2017  
 SHEET NUMBER 6215





- GENERAL NOTES:
1. DETAILS PERTAINING TO INSTALLATION OF THE TERMINAL SECTION SEE MANUFACTURER'S SPECIFICATIONS AND DRAWINGS OR ELSEWHERE ON PLANS.
  2. GUARDRAIL SECTIONS TO BE LAPPED IN THE DIRECTION OF TRAFFIC FLOW NEAREST THE GUARDRAIL FACE.
  3. PAY LIMITS FOR NORMAL GUARDRAIL INSTALLATION WILL BE THE TOTAL LENGTH LESS THE LENGTHS OF END TERMINALS.
  4. # 3 SHOULDER WIDTH + FORESLOPE WIDTH DIMENSIONS FOUND ELSEWHERE ON THE PLANS.

\* NOTE: IF FORESLOPE SHOWN ELSEWHERE ON PLANS IS OTHER THAN 8:1 TRANSITION WILL OCCUR IN AREA SHOWN.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
ROADWAY DESIGN DIVISION  
STANDARD PLAN

**GUARDRAIL:  
TYPICAL INSTALLATION  
FOR ROADSIDE HAZARDS  
ON 2-LANE 2-WAY  
HIGHWAYS**

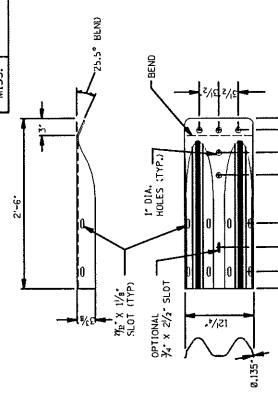
DATE	REVISION

ISSUE DATE: MAY 01, 2017

WORKING NUMBER: GR-4C  
SHEET NUMBER: 6217

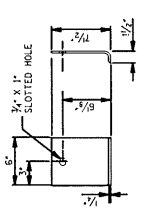
STATE MISS.	PROJECT NO.	
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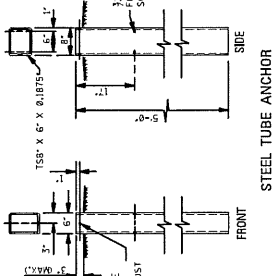
**"W" BEAM TERMINAL CONNECTOR PLATE**

NOTES:  
1. THE "W" BEAM TERMINAL CONNECTOR IS TO BE AUSTRIAN M 188 CORRUGATED SHEET STEEL, CLASS D.  
2. SPLICER-BOLT SLOTS MAY ALSO BE ORIENTED AT 50° ON THE FLAT INSTEAD OF 0° AS SHOWN.



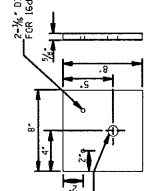
**SHELF ANGLE BRACKET**



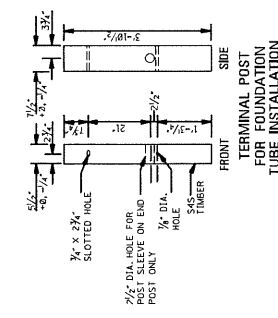
**STEEL TUBE ANCHOR**

NOTE: TERMINAL POST SHOULD BE ABLE TO SLIDE INTO THE ACTUAL INSIDE DIMENSIONS OF THIS GALVANIZED TUBE CANNOT BE LESS THAN 7/8" X 5/8".



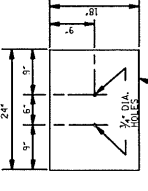
**BEARING PLATE**



**TERMINAL POST FOR FOUNDATION TUBE INSTALLATION**

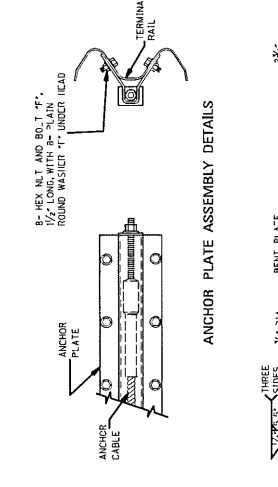
NOTE: TERMINAL POST SHALL BE MADE OF S4S TIMBER WITH 2 STRIPS GRADE OF 1200 BSH/P.



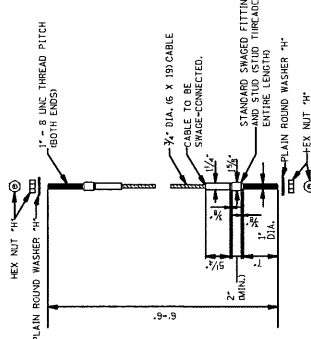
**SOIL PLATE**

NOTE: 2 REQUIRED

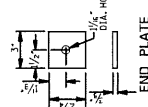


**ANCHOR PLATE ASSEMBLY DETAILS**

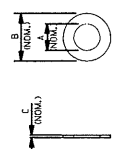


**CABLE ANCHOR ASSEMBLY**



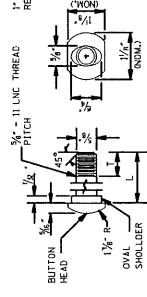
**END PLATE**



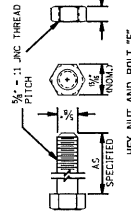
**PLAIN ROUND WASHER**

WASHER	A	B	C
"1"	1/4"	1/2"	3/4"
"2"	3/8"	1 1/4"	1 3/4"
"3"	1/2"	1 3/4"	2 1/4"
"4"	3/4"	2 1/4"	3 1/4"

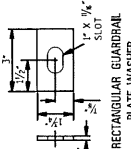


**GUARDRAIL BOLT**

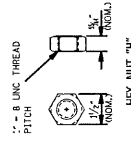


**RECESSED NUT**

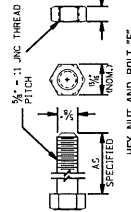


**RECTANGULAR GUARDRAIL PLATE WASHER**

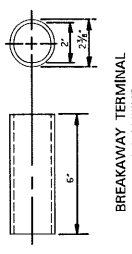


**HEX NUT AND BOLT "H"**



**HEX NUT AND BOLT "F"**



**BREAKAWAY TERMINAL POST SLEEVE**

NOTES:  
1. ALL GUARDRAIL BOLTS ARE 3/8" - 11 UNC  
2. IF ANY BOLT EXTENDS MORE THAN 1/4" FROM THE NUT, THE BOLT SHOULD BE TRIMMED BACK.

**FASTENER DETAILS**

MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
ROADWAY DESIGN DIVISION  
STANDARD PLAN

**GUARDRAIL: MISCELLANEOUS HARDWARE**

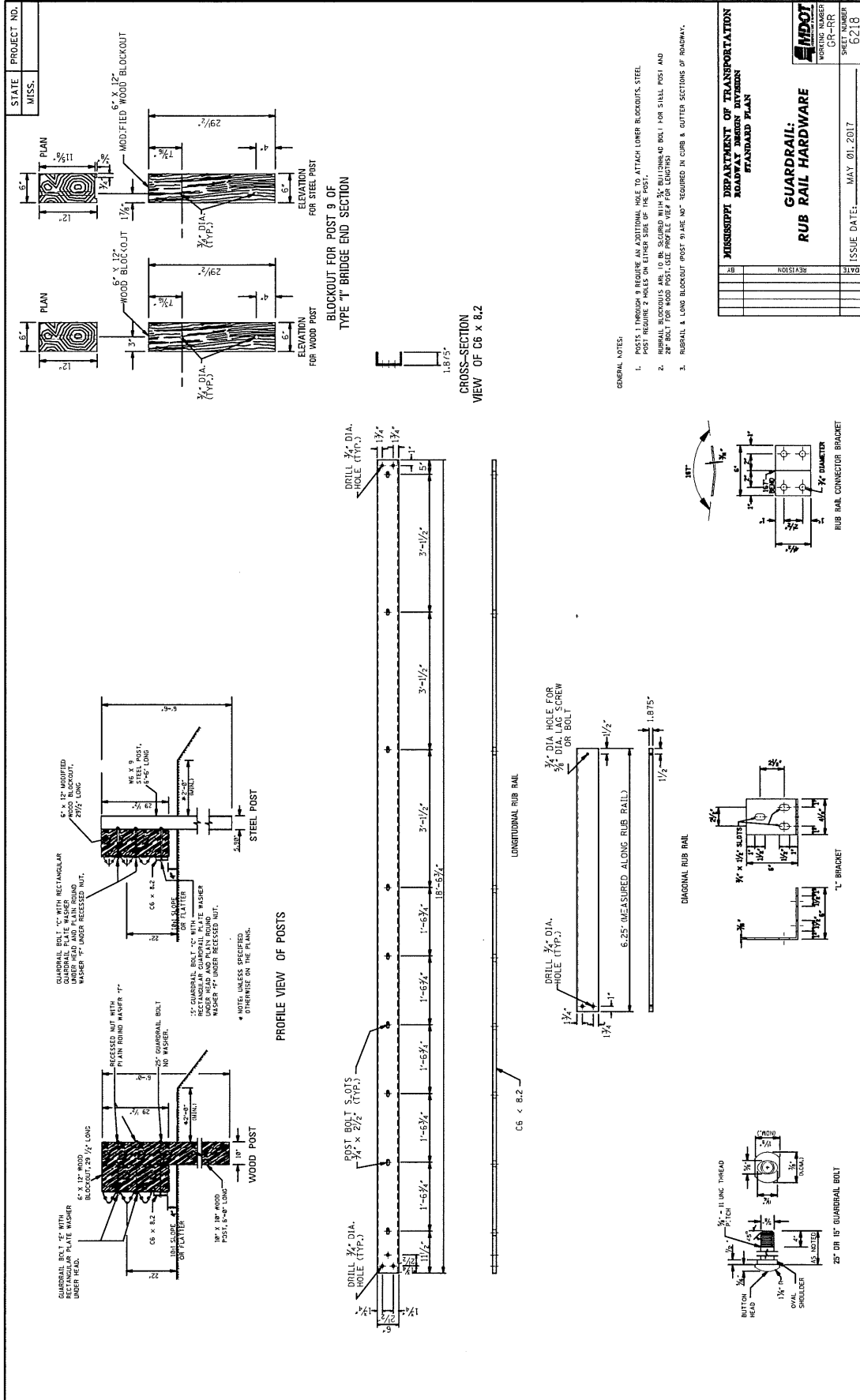
MDOT  
WORKS NUMBER  
GR-HW

SHEET NUMBER  
6221

DATE

ISSUE DATE: MAY 21, 2017





STATE MISS.	PROJECT NO.	
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**DISTANCE REFERENCE SIGN MOUNTING ON OUTSIDE SHOULDER ALONG MAIN FACILITY**

NOTE: SIGN MOUNTING ON LEFT LANE SHOULDER SHALL BE 90° OPPOSITE THE RIGHT LANE STATION. IF CONDITIONS ARE SUCH THAT A SIGN CANNOT BE MOUNTED AT ITS TRUE LOCATION, IT SHALL BE OMITTED ENTIRELY.

**DISTANCE REFERENCE SIGN MOUNTING ON OUTSIDE SHOULDER ALONG MAIN FACILITY OR RAMP**

**DELINEATOR MOUNTING ON OUTSIDE SHOULDER ALONG MAIN FACILITY OR RAMP**

**REAR VIEW OF TYPE 3 OBJECT MARKER OR DISTANCE REFERENCE SIGN ASSEMBLY**

NOTE: TYPE 3 OBJECT MARKER AND DISTANCE REFERENCE SIGNS ARE TO BE FASTENED TO U-SECTION POSTS WITH 3/4\"/>

**DETAIL OF TYPE 3 OBJECT MARKER**

NOTE: COLORS - BLACK AND YELLOW STRIPING SHALL BE MOUNTED TO THE RIGHT FOR LEFT SIDE OF BRIDGE END. SEE DETAIL BELOW.

**DETAIL OF TYPE 3 OBJECT MARKER INSTALLATION**

**DETAIL OF SINGLE WHITE OR SINGLE YELLOW DELINEATOR**

**DETAIL OF DOUBLE WHITE OR DOUBLE YELLOW DELINEATOR**

**REAR VIEW OF DELINEATOR ASSEMBLY**

NOTE: DELINEATORS ARE TO BE FASTENED TO U-SECTION POSTS WITH 3/4\"/>

**MOUNTING DETAIL**

DELINEATORS, OBJECT MARKERS OR DISTANCE REFERENCE SIGNS SHALL BE MOUNTED TO THIS FACE AS SHOWN.

DIRECTION OF TRAFFIC

**GENERAL NOTES:**

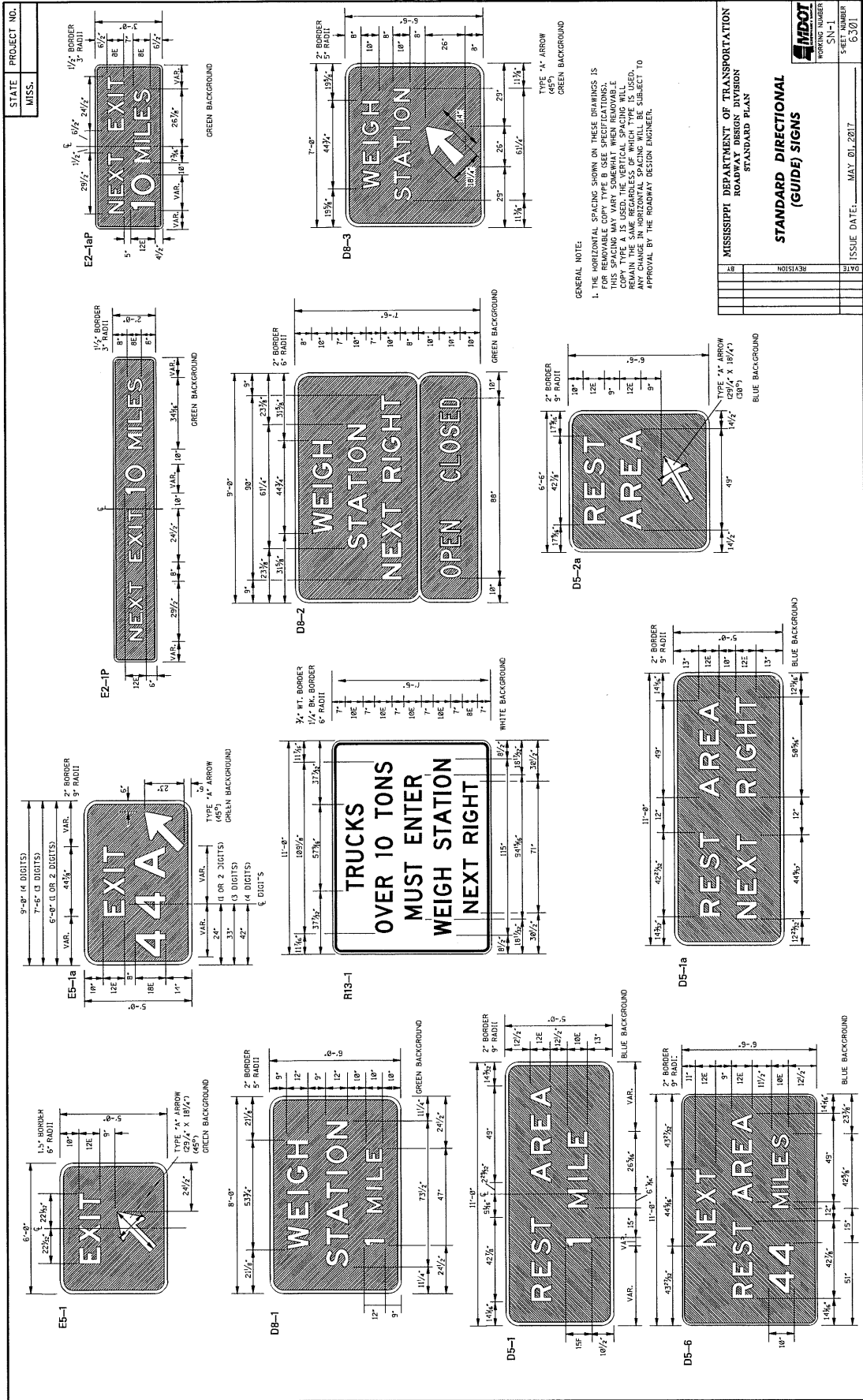
- DELINEATORS AND TYPE 3 OBJECT MARKER SHALL BE REFLECTIVE SHEETING ON 0.280\"/>
- DELINEATOR, TYPE 3 OBJECT MARKER AND DISTANCE REFERENCE SIGN POSTS SHALL BE GALVANIZED STEEL. THE POSTS ARE TO BE FABRICATED BEFORE THE METAL IS GALVANIZED.
- WEIGHT WITHOUT GROUND PLATES:
  - A. 12'-0\"/>
  - B. TYPE 3 OBJECT MARKER POST 9'-0\"/>
  - C. DISTANCE REFERENCE SIGN POST 10'-0\"/>
  - D. 12'-0\"/>
- UNIT PRICE OF DELINEATORS AND TYPE 3 OBJECT MARKERS SHALL INCLUDE COST OF POST. DISTANCE REFERENCE SIGN POST WILL BE PAID FOR PER FOOT. RADIUS IN BENDS 0-POST CROSS SECTION NO. 10 EXCEED 90° FOR ROLLED SECTION.
- GROUND PLATE NOT REQUIRED ON U-SECTION POST.

**DELINEATOR MOUNTING ON INTERCHANGE LOOPS WITH UNMOUNTABLE CURB ON INSIDE**

**DELINEATOR MOUNTING ON OUTSIDE SHOULDER WITH MOUNTABLE CURB ALONG MAIN FACILITY OR RAMP**

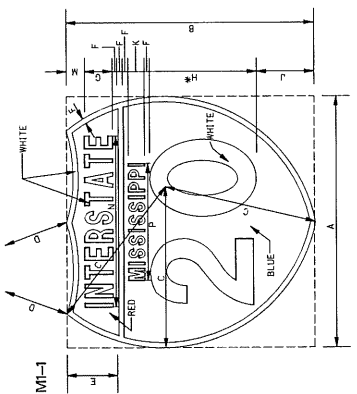
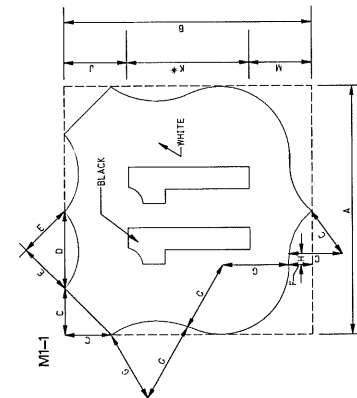
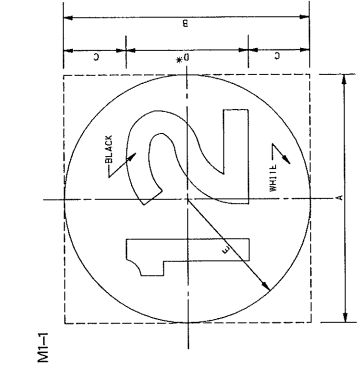
<b>MISSISSIPPI DEPARTMENT OF TRANSPORTATION</b>	
<b>ROADWAY DESIGN DIVISION</b>	
<b>STANDARD PLAN</b>	
<b>TYPICAL INSTALLATION AND DETAILS OF DELINEATORS AND DISTANCE REFERENCE SIGNS</b>	SHEET NUMBER 6314
DATE	ISSUE DATE: MAY 01, 2017
REVISION	
NO.	
BY	



STATE	PROJECT NO.
MISS.	

GENERAL NOTES:

1. I.S. AND MISSISSIPPI SHIELDS DO NOT HAVE AN OUTSIDE BORDER.
2. INTERSTATE, U.S. AND MISSISSIPPI SHIELDS SHOWN ON THIS DRAWING ARE FOR INFORMATION ONLY. OTHER DRAWINGS FOR SHIELDS TO BE USED INDEPENDENTLY AS ROUTE MARKERS.
3. ON INTERSTATE SHIELDS, THE LEGEND AND BACKGROUND SHALL BE REFLECTORIZED.
4. ON U.S. AND MISSISSIPPI SHIELDS, THE BACKGROUND SHALL BE REFLECTORIZED.
5. IN SOME CASES, NUMERALS CANNOT BE REFLECTORIZED. IN THESE SITUATIONS, SPACE AVAILABLE FOR THESE SITUATIONS, THE STANDARD SERIES "0" NUMERALS MAY BE REDUCED TO A SECOND CHOICE TO THE NEXT SMALLER HEIGHT COMMONLY AVAILABLE.



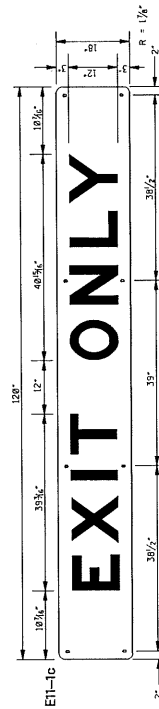
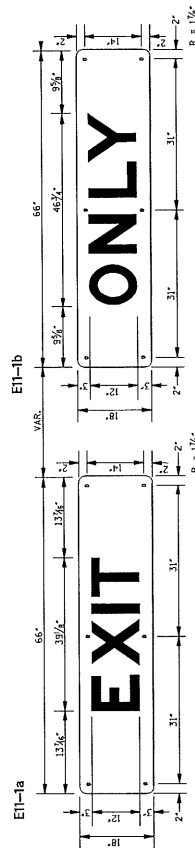
	A	B	C	D	E
12-DIGITS	24"	24"	6"	17"	12"
12-DIGITS	35"	35"	5"	18"	13"
12-DIGITS	46"	46"	4"	19"	14"
3-DIGITS	68"	48"	12"	24"	VAR.

12-DIGITS	18-DIGITS	24-DIGITS	30-DIGITS	36-DIGITS	42-DIGITS
A	24"	24"	35"	46"	57"
B	24"	24"	35"	46"	57"
C	5"	5"	7 1/2"	10"	12 1/2"
D	5"	5"	7 1/2"	10"	12 1/2"
E	5"	5"	7 1/2"	10"	12 1/2"
F	5"	5"	7 1/2"	10"	12 1/2"
G	5"	5"	7 1/2"	10"	12 1/2"
H	5"	5"	7 1/2"	10"	12 1/2"
I	5"	5"	7 1/2"	10"	12 1/2"
J	5"	5"	7 1/2"	10"	12 1/2"
K	5"	5"	7 1/2"	10"	12 1/2"
L	5"	5"	7 1/2"	10"	12 1/2"
M	5"	5"	7 1/2"	10"	12 1/2"
N	5"	5"	7 1/2"	10"	12 1/2"
O	5"	5"	7 1/2"	10"	12 1/2"
P	5"	5"	7 1/2"	10"	12 1/2"
Q	5"	5"	7 1/2"	10"	12 1/2"
R	5"	5"	7 1/2"	10"	12 1/2"
S	5"	5"	7 1/2"	10"	12 1/2"
T	5"	5"	7 1/2"	10"	12 1/2"
U	5"	5"	7 1/2"	10"	12 1/2"
V	5"	5"	7 1/2"	10"	12 1/2"
W	5"	5"	7 1/2"	10"	12 1/2"
X	5"	5"	7 1/2"	10"	12 1/2"
Y	5"	5"	7 1/2"	10"	12 1/2"
Z	5"	5"	7 1/2"	10"	12 1/2"

12-DIGITS	18-DIGITS	24-DIGITS	30-DIGITS	36-DIGITS	42-DIGITS
A	24"	35"	46"	57"	68"
B	24"	35"	46"	57"	68"
C	15"	24"	35"	46"	57"
D	15"	24"	35"	46"	57"
E	15"	24"	35"	46"	57"
F	15"	24"	35"	46"	57"
G	15"	24"	35"	46"	57"
H	15"	24"	35"	46"	57"
I	15"	24"	35"	46"	57"
J	15"	24"	35"	46"	57"
K	15"	24"	35"	46"	57"
L	15"	24"	35"	46"	57"
M	15"	24"	35"	46"	57"
N	15"	24"	35"	46"	57"
O	15"	24"	35"	46"	57"
P	15"	24"	35"	46"	57"
Q	15"	24"	35"	46"	57"
R	15"	24"	35"	46"	57"
S	15"	24"	35"	46"	57"
T	15"	24"	35"	46"	57"
U	15"	24"	35"	46"	57"
V	15"	24"	35"	46"	57"
W	15"	24"	35"	46"	57"
X	15"	24"	35"	46"	57"
Y	15"	24"	35"	46"	57"
Z	15"	24"	35"	46"	57"

GENERAL NOTES:

1. THESE ARE "OVERLAY" SIGNS FABRICATED ON 0.063" THICK ALUMINUM (8881-T6) AND ARE TO BE RIVETED TO DIRECTIONAL SIGNS DESIGNATED ON PLANS. THESE SIGNS WILL BE ASSEMBLED AS PART OF THE MAJOR SIGNS TO WHICH THEY ARE AFFIXED.
2. LETTER SIZE: 1 1/2" SERIES "0".  
COLOR: LEGEND - BLACK; BACKGROUND - HI-INTENSITY YELLOW.



MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
ROADWAY DESIGN DIVISION  
STANDARD PLAN

**ROUTE SHIELDS  
AND  
"EXIT ONLY" PANELS**

MDOT  
WORKING NUMBER  
SN-2  
SHEET NUMBER  
6302

ISSUE DATE: MAY 01, 2017

SIGN NUMBER	ALUMINUM (6061-T6) SIGN BLANK THICKNESS	STATE MISS.	PROJECT NO.	D18-2		D18-1		D18-5		M1-1		M1-4		M1-5	
				0.880"	0.880"	0.880"	0.880"	0.100"	0.080"	0.080"	0.100"	0.080"	0.080"		
LETTER & NUMERAL SERIES	20" SERIES 10" SERIES "B" "E" MOD., "E" MOD., "I" MOD., "O" MOD., "U" MOD., "V" MOD., "W" MOD.	R = 1/2"	R = 1/2"	H	MILE 1	MILE 1	MILE 1	MILE 1	MILE 1	MILE 1	MILE 1	MILE 1	MILE 1	MILE 1	MILE 1
	20" SERIES 10" SERIES "B" "E" MOD., "E" MOD., "I" MOD., "O" MOD., "U" MOD., "V" MOD., "W" MOD.														
WIDTH OF BORDER	OUTSIDE	1/2" WHITE	3/4" WHITE	1/2" WHITE	1/2" WHITE	1/2" WHITE	1/2" WHITE	1/2" WHITE	1/2" WHITE	1/2" WHITE	1/2" WHITE	1/2" WHITE	1/2" WHITE	1/2" WHITE	1/2" WHITE
SIZE (WIDTH X HEIGHT)		24" X 24"	36" X 36"	12" X 24"	12" X 36"	12" X 48"	12" X 36"	12" X 48"	12" X 36"	12" X 48"	12" X 36"	12" X 48"	12" X 36"	12" X 48"	12" X 36"
COLORS	COPY	WHITE	BLUE	WHITE	GREEN	WHITE	GREEN	WHITE	GREEN	WHITE	GREEN	WHITE	GREEN	WHITE	GREEN
REFLECTORIZATION		ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL
NUMBER OF POSTS FOR MOUNTING		1	1	1	1	1	1	1	1	1	1	1	1	1	1
PUNCHING DISTANCE FROM CENTER		12" (VERT. CENTER)	6" (VERT. CENTER)	6" (VERT. CENTER)	6" (VERT. CENTER)	6" (VERT. CENTER)	6" (VERT. CENTER)	6" (VERT. CENTER)	6" (VERT. CENTER)	6" (VERT. CENTER)	6" (VERT. CENTER)	6" (VERT. CENTER)	6" (VERT. CENTER)	6" (VERT. CENTER)	6" (VERT. CENTER)
PUNCHING DISTANCE FROM TOP EDGE		31" 21"	31" 21"	31" 21"	31" 21"	31" 21"	31" 21"	31" 21"	31" 21"	31" 21"	31" 21"	31" 21"	31" 21"	31" 21"	31" 21"
SIGN NUMBER		M2-1	M2-1A	M3-3*	M3-3A*	M4-5	M4-5A	M5-1L	M5-1LA	M5-1R	M5-1RA	M5-2L	M5-2LA	M5-2R	M5-2RA
ALUMINUM (6061-T6) SIGN BLANK THICKNESS		0.880"	0.880"	0.880"	0.880"	0.880"	0.880"	0.880"	0.880"	0.880"	0.880"	0.880"	0.880"	0.880"	0.880"
LETTER & NUMERAL SERIES	9" SERIES "C"	R = 1/2"	R = 1/2"	JCT	SOUTH	SOUTH	TO	↖	↗	↘	↙	↖	↗	↘	↙
	9" SERIES "C"			9" SERIES "C"	9" SERIES "C"	9" SERIES "C"	9" SERIES "C"	9" SERIES "C"	9" SERIES "C"	9" SERIES "C"	9" SERIES "C"	9" SERIES "C"	9" SERIES "C"	9" SERIES "C"	9" SERIES "C"
WIDTH OF BORDER	INSIDE	1/2" WHITE	1/2" WHITE	1/2" WHITE	1/2" WHITE	1/2" WHITE	1/2" WHITE	1/2" WHITE	1/2" WHITE	1/2" WHITE	1/2" WHITE	1/2" WHITE	1/2" WHITE	1/2" WHITE	1/2" WHITE
SIZE (WIDTH X HEIGHT)		21" X 15"	24" X 12"	30" X 15"	30" X 15"	24" X 12"	24" X 12"	21" X 15"	21" X 15"	21" X 15"	21" X 15"	21" X 15"	21" X 15"	21" X 15"	21" X 15"
COLORS	BACKGROUND	BLACK	WHITE	BLACK	WHITE	BLACK	WHITE	BLACK	WHITE	BLACK	WHITE	BLACK	WHITE	BLACK	WHITE
REFLECTORIZATION		ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL
NUMBER OF HOLES TO BE PUNCHED (3/8" DIA.)		2	2	2	2	2	2	2	2	2	2	2	2	2	2
PUNCHING DISTANCE FROM EACH VERTICAL EDGE		1/2" X 13/2"	1/2" X 13/2"	1/2" X 13/2"	1/2" X 13/2"	1/2" X 13/2"	1/2" X 13/2"	1/2" X 13/2"	1/2" X 13/2"	1/2" X 13/2"	1/2" X 13/2"	1/2" X 13/2"	1/2" X 13/2"	1/2" X 13/2"	1/2" X 13/2"
PUNCHING DISTANCE FROM TOP EDGE		1/2" X 13/2"	1/2" X 13/2"	1/2" X 13/2"	1/2" X 13/2"	1/2" X 13/2"	1/2" X 13/2"	1/2" X 13/2"	1/2" X 13/2"	1/2" X 13/2"	1/2" X 13/2"	1/2" X 13/2"	1/2" X 13/2"	1/2" X 13/2"	1/2" X 13/2"

MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
ROADWAY DESIGN DIVISION  
STANDARD PLAN

**STANDARD  
ROADSIDE SIGNS**

AS	
BS	
CS	
DS	
ES	
FS	
GS	
HS	
IS	
JS	
KS	
LS	
MS	
NS	
OS	
PS	
QS	
RS	
TS	
US	
VS	
WS	
XS	
YS	
ZS	

MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
ROADWAY DESIGN DIVISION  
STANDARD PLAN

**STANDARD  
ROADSIDE SIGNS**

WORKING NUMBER  
SN-3

SHEET NUMBER  
6-303

ISSUE DATE: MAY 01, 2017

\* NORTH EAST SOUTH WEST  
M5-1A M5-2A M5-2LA M5-2RA  
M5-1R M5-2R M5-2LR M5-2RR

4. UNLESS SOME BASES NUMBERS CANNOT BE ACCOMMODATED WITHIN THE SPACE AVAILABLE FOR THESE STATIONS, THE STANDARD SERIES NUMBERS SHALL BE REDUCED TO SERIES "C".

GENERAL NOTES:

- THE DIMENSIONS FOR THE INTERSTATE AND U.S. SHIELDS SHALL CONFORM WITH THE DIMENSIONS SHOWN ON DRIFTCOM MARKS CONTROL DEVICES, LATEST EDITION.
- ROUTE MARKERS AND GUIDES SHOWN ON THIS SHEET ARE FOR USE INDEPENDENTLY OF INTERSTATE DIRECTIONAL GUIDED SIGNS. SEE OTHER DRAWINGS FOR SHIELDS TO BE USED ON INTERSTATE DIRECTIONAL GUIDED SIGNS.
- THE QUANTITIES LISTED ON THE SUMMARY OF QUANTITIES SHEET FOR THE SIGNS SHOWN ON THIS SHEET WILL BE USED AS THE BASIS FOR FINAL PAYMENT, EXCEPT WHERE SIGNS ARE MODIFIED FROM THAT SHOWN.

STATE PROJECT NO.	MISS.	MS.	MS.	MS.	MS.	MS.	MS.	MS.	MS.	MS.	MS.	MS.	MS.	MS.	MS.
SIGN NUMBER	0.100*	0.125*	0.080*	0.100*	0.125*	2.080*	0.125*	0.100*	0.125*	0.080*	0.100*	0.125*	0.080*	0.100*	0.125*
ALUMINUM (6861-16)															
SIGN BLANK THICKNESS															
LETTER & SYMBOL SERIES															
INSIDE MOUNTING															
WIDTH (W)															
HEIGHT (H)															
PUNCHING DISTANCE FROM TOP EDGE															
ALUMINUM (6861-16)															
SIGN BLANK THICKNESS															
LETTER & SYMBOL SERIES															
INSIDE MOUNTING															
WIDTH (W)															
HEIGHT (H)															
PUNCHING DISTANCE FROM TOP EDGE															
ALUMINUM (6861-16)															
SIGN BLANK THICKNESS															
LETTER & SYMBOL SERIES															
INSIDE MOUNTING															
WIDTH (W)															
HEIGHT (H)															
PUNCHING DISTANCE FROM TOP EDGE															
ALUMINUM (6861-16)															
SIGN BLANK THICKNESS															
LETTER & SYMBOL SERIES															
INSIDE MOUNTING															
WIDTH (W)															
HEIGHT (H)															
PUNCHING DISTANCE FROM TOP EDGE															
ALUMINUM (6861-16)															
SIGN BLANK THICKNESS															
LETTER & SYMBOL SERIES															
INSIDE MOUNTING															
WIDTH (W)															
HEIGHT (H)															
PUNCHING DISTANCE FROM TOP EDGE															
ALUMINUM (6861-16)															
SIGN BLANK THICKNESS															
LETTER & SYMBOL SERIES															
INSIDE MOUNTING															
WIDTH (W)															
HEIGHT (H)															
PUNCHING DISTANCE FROM TOP EDGE															
ALUMINUM (6861-16)															
SIGN BLANK THICKNESS															
LETTER & SYMBOL SERIES															
INSIDE MOUNTING															
WIDTH (W)															
HEIGHT (H)															
PUNCHING DISTANCE FROM TOP EDGE															
ALUMINUM (6861-16)															
SIGN BLANK THICKNESS															
LETTER & SYMBOL SERIES															
INSIDE MOUNTING															
WIDTH (W)															
HEIGHT (H)															
PUNCHING DISTANCE FROM TOP EDGE															
ALUMINUM (6861-16)															
SIGN BLANK THICKNESS															

GENERAL NOTES:  
1. THE QUANTITIES LISTED ON THE SUMMARY OF QUANTITIES SHEET FOR THE PROJECT SHALL BE USED FOR BIDDING AND CONSTRUCTION. THE QUANTITIES LISTED ON THIS SHEET ARE FOR FINAL PAYMENT, EXCEPT WHERE SHOWN OTHERWISE.  
2. THE ORDER LIMITS REQUIRED ON SIGNS R-2-1 AND R-2-4-16 WILL BE SHOWN ON INDIVIDUAL PLAN SHEETS.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
ROADWAY DESIGN DIVISION  
STANDARD PLAN

**STANDARD  
ROADSIDE SIGNS**

MDOT  
WORKING NUMBER  
SN-35A  
SHEET NUMBER  
6304

REVISION DATE: MAY 01, 2017

SIGN NUMBER ALUMINUM (6861-16) SIGN BLANK THICKNESS	W1-1L W1-1R		W1-2L W1-2R		W1-4L W1-4R		W1-5L W1-5R		W1-7		W1-10		W1-20		W1-3		STATE PROJECT NO. MISS.	
	0.125"		0.125"		0.125"		0.100"		0.100"		0.125"		0.125"		0.125"			
LETTER & NUMERICAL SERIES	1/4" BLACK INSIDE 3/4" BLACK OUTSIDE		1/4" BLACK INSIDE 3/4" BLACK OUTSIDE		1/4" BLACK INSIDE 3/4" BLACK OUTSIDE		3/4" BLACK INSIDE 1 1/2" BLACK OUTSIDE		3/4" BLACK INSIDE 1 1/2" BLACK OUTSIDE		1/4" BLACK INSIDE 3/4" BLACK OUTSIDE		1/4" BLACK INSIDE 3/4" BLACK OUTSIDE		1/4" BLACK INSIDE 3/4" BLACK OUTSIDE			
WIDTH (D BY H) OR SIZE (WID'TH X HEIGHT)	36" X 36"		36" X 36"		48" X 48"		48" X 24"		48" X 24"		48" X 48"		48" X 48"		36" X 36"			
COLORS	BLACK ON YELLOW		BLACK ON YELLOW		BLACK ON YELLOW		BLACK ON YELLOW		BLACK ON YELLOW		BLACK ON YELLOW		BLACK ON YELLOW		BLACK ON YELLOW			
REFLECTORIZATION	BACKGROUND		BACKGROUND		BACKGROUND		BACKGROUND		BACKGROUND		BACKGROUND		BACKGROUND		BACKGROUND			
NUMBER OF POSTS	1		1		1		2		2		2		2		2			
USING HOLES TO BE PUNCHED (IN. DIA.)	2		2		2		4		4		4		4		4			
PUNCHING DISTANCE FROM CENTER (IN.)	15"		15"		15"		9"		9"		15"		15"		15"			
PUNCHING DISTANCE FROM TOP EDGE	18"		18"		18"		31 1/2"		31 1/2"		18"		18"		18"			
SIGN NUMBER	W1-1		W1-2		W1-4		W1-5		W1-7		W1-10		W1-20		W1-3			
ALUMINUM (6861-16) SIGN BLANK THICKNESS	0.125"		0.125"		0.125"		0.100"		0.125"		0.125"		0.100"		0.125"			
NOTES:	SEE NOTE 1.		SEE NOTE 2.		SEE NOTE 3.		SEE NOTE 4.		SEE NOTE 5.		SEE NOTE 6.		SEE NOTE 7.		SEE NOTE 8.			
LETTER & NUMERICAL SERIES	R=2 1/4" R=3"		R=2 1/4" R=3"		R=2 1/4" R=3"		R=1/4"		R=1/4"		R=2 1/4" R=3"		R=2 1/4" R=3"		R=2 1/4" R=3"			
WIDTH (D BY H) OR SIZE (WID'TH X HEIGHT)	36" X 36"		36" X 36"		48" X 48"		48" X 24"		48" X 24"		48" X 48"		48" X 48"		36" X 36"			
COLORS	BLACK ON YELLOW		BLACK ON YELLOW		BLACK ON YELLOW		BLACK ON YELLOW		BLACK ON YELLOW		BLACK ON YELLOW		BLACK ON YELLOW		BLACK ON YELLOW			
REFLECTORIZATION	BACKGROUND		BACKGROUND		BACKGROUND		BACKGROUND		BACKGROUND		BACKGROUND		BACKGROUND		BACKGROUND			
NUMBER OF POSTS	1		1		1		1		1		1		1		1			
USING HOLES TO BE PUNCHED (IN. DIA.)	2		2		2		4		4		4		4		4			
PUNCHING DISTANCE FROM CENTER (IN.)	15"		15"		15"		9"		9"		15"		15"		15"			
PUNCHING DISTANCE FROM TOP EDGE	18"		18"		18"		31 1/2"		31 1/2"		18"		18"		18"			
SIGN NUMBER	W4-2		W4-3		W6-1		W6-2		W6-3		W6-4		W6-5		W6-6			
ALUMINUM (6861-16) SIGN BLANK THICKNESS	0.125"		0.125"		0.125"		0.125"		0.125"		0.125"		0.100"		0.100"			
NOTES:	SEE NOTE 1.		SEE NOTE 2.		SEE NOTE 3.		SEE NOTE 4.		SEE NOTE 5.		SEE NOTE 6.		SEE NOTE 7.		SEE NOTE 8.			
LETTER & NUMERICAL SERIES	R=2 1/4" R=3"		R=2 1/4" R=3"		R=2 1/4" R=3"		R=2 1/4" R=3"		R=2 1/4" R=3"		R=2 1/4" R=3"		R=2 1/4" R=3"		R=2 1/4" R=3"			
WIDTH (D BY H) OR SIZE (WID'TH X HEIGHT)	36" X 36"		36" X 36"		48" X 48"		48" X 48"		48" X 48"		48" X 48"		48" X 48"		36" X 36"			
COLORS	BLACK ON YELLOW		BLACK ON YELLOW		BLACK ON YELLOW		BLACK ON YELLOW		BLACK ON YELLOW		BLACK ON YELLOW		BLACK ON YELLOW		BLACK ON YELLOW			
REFLECTORIZATION	BACKGROUND		BACKGROUND		BACKGROUND		BACKGROUND		BACKGROUND		BACKGROUND		BACKGROUND		BACKGROUND			
NUMBER OF POSTS	1		1		1		1		1		1		1		1			
USING HOLES TO BE PUNCHED (IN. DIA.)	2		2		2		4		4		4		4		4			
PUNCHING DISTANCE FROM CENTER (IN.)	15"		15"		15"		9"		9"		15"		15"		15"			
PUNCHING DISTANCE FROM TOP EDGE	18"		18"		18"		31 1/2"		31 1/2"		18"		18"		18"			
SIGN NUMBER	W4-2		W4-3		W6-1		W6-2		W6-3		W6-4		W6-5		W6-6			
ALUMINUM (6861-16) SIGN BLANK THICKNESS	0.125"		0.125"		0.125"		0.100"		0.125"		0.125"		0.100"		0.100"			

MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
ROADWAY DESIGN DIVISION  
STANDARD PLAN

**STANDARD ROADSIDE SIGNS**

MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
ROADWAY DESIGN DIVISION  
STANDARD PLAN

ISSUE DATE: MAY 01, 2017

SN-3B  
SHEET NUMBER 6305

GENERAL NOTES:

1. THE QUANTITIES LISTED ON THE SUMMARY OF QUANTITIES SHEET FOR THE PROJECT SHALL BE THE BASIS FOR MATERIALS AND LABOR. MATERIALS AND LABOR SHALL BE MODIFIED WHERE NECESSARY FOR FINAL PAYMENT.
2. SIGNS W1-2 AND W1-3: THE STROKE WIDTH OF THE LETTER AND NUMERALS SHALL BE WIDDED TO 200% OF THE LETTER OR NUMERICAL HEIGHT.
3. THE SPEEDS REQUIRED ON SIGNS W1-4, W1-5 AND W1-6 WILL BE SHOWN ON INDIVIDUAL PLAN SHEETS.

STATE MISS.	PROJECT NO.	
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**ROADSIDE SIGN IN RURAL AREA**

12 FT. MIN.

7 FT. MIN.

**ROADSIDE SIGN IN BUSINESS, COMMERCIAL OR RESIDENTIAL AREA**

7 FT. MIN.

2 FT. MIN.

**WARNING SIGN WITH ADVISORY SPEED PLAQUE IN RURAL AREA**

17 FT. MIN.

7 FT. MIN.

**ROADSIDE SIGN IN RURAL AREA**

6 FT. MIN.

7 FT. MIN.

SHOULDER WIDER THAN 6 FT.

**ROADSIDE ASSEMBLY IN RURAL AREA**

12 FT. MIN.

7 FT. MIN.

**INTERSTATE OR FREEWAY SIGN WITH SECONDARY SIGN**

7 FT. MIN.

5 FT. MIN.

12 FT. MIN.

6 FT. MIN.

SHOULDER

**ROADSIDE SIGN IN BUSINESS, COMMERCIAL OR RESIDENTIAL AREA**

7 FT. MIN.

2 FT. MIN.

SHOULDER WIDER THAN 6 FT.

**OVERHEAD SIGN**

17 FT. MIN.

6 FT. MIN.

SHOULDER

**SIGNS IN ISLANDS OR BEHIND CURB USING U-POSTS OR PIPE POSTS**

2 FT. MIN.

7 FT. MIN.

2-3\"/>

**SIGN ON NOSE OF MEDIAN**

7 FT. MIN.

4 FT.

**ELEVATION**

2-3\"/>

**PLAN**

2-3\"/>

**GENERAL NOTES:**

- SEE SECTION 2A19 OF THE MUTCD FOR REQUIRED LATERAL OFFSET DISTANCES THAT MAY BE USED IN AREAS WHERE LATERAL OFFSETS ARE LIMITED, AND IN BUSINESS, COMMERCIAL, OR RESIDENTIAL AREAS WHERE SIDEWALK WIDTH IS LIMITED OR WHERE EXISTING POLES ARE CLOSE TO THE CURB.
- LOCATED OUTSIDE THE CLEAR ZONE UNLESS PLACED ON A BREAKAWAY OR YIELDING SUPPORT.

**\* THE 2 FT. MINIMUM OFFSET APPLIES ONLY TO STANDARD SIGNS MOUNTED ON U-POSTS. ALL STANDARD SIGNS MOUNTED ON PIPE POSTS OR CHANNEL POSTS WILL BE OFFSET 4 FT. FROM THE SHOULDERS. DESTINATION SIGNS WILL BE OFFSET 4 FT. FROM THE SHOULDERS.**

**\* THE 2 FT. MINIMUM OFFSET APPLIES ONLY TO STANDARD SIGNS MOUNTED ON U-POSTS. ALL STANDARD SIGNS MOUNTED ON PIPE POSTS OR CHANNEL POSTS WILL BE OFFSET 4 FT. FROM THE SHOULDERS. DESTINATION SIGNS WILL BE OFFSET 4 FT. FROM THE SHOULDERS.**

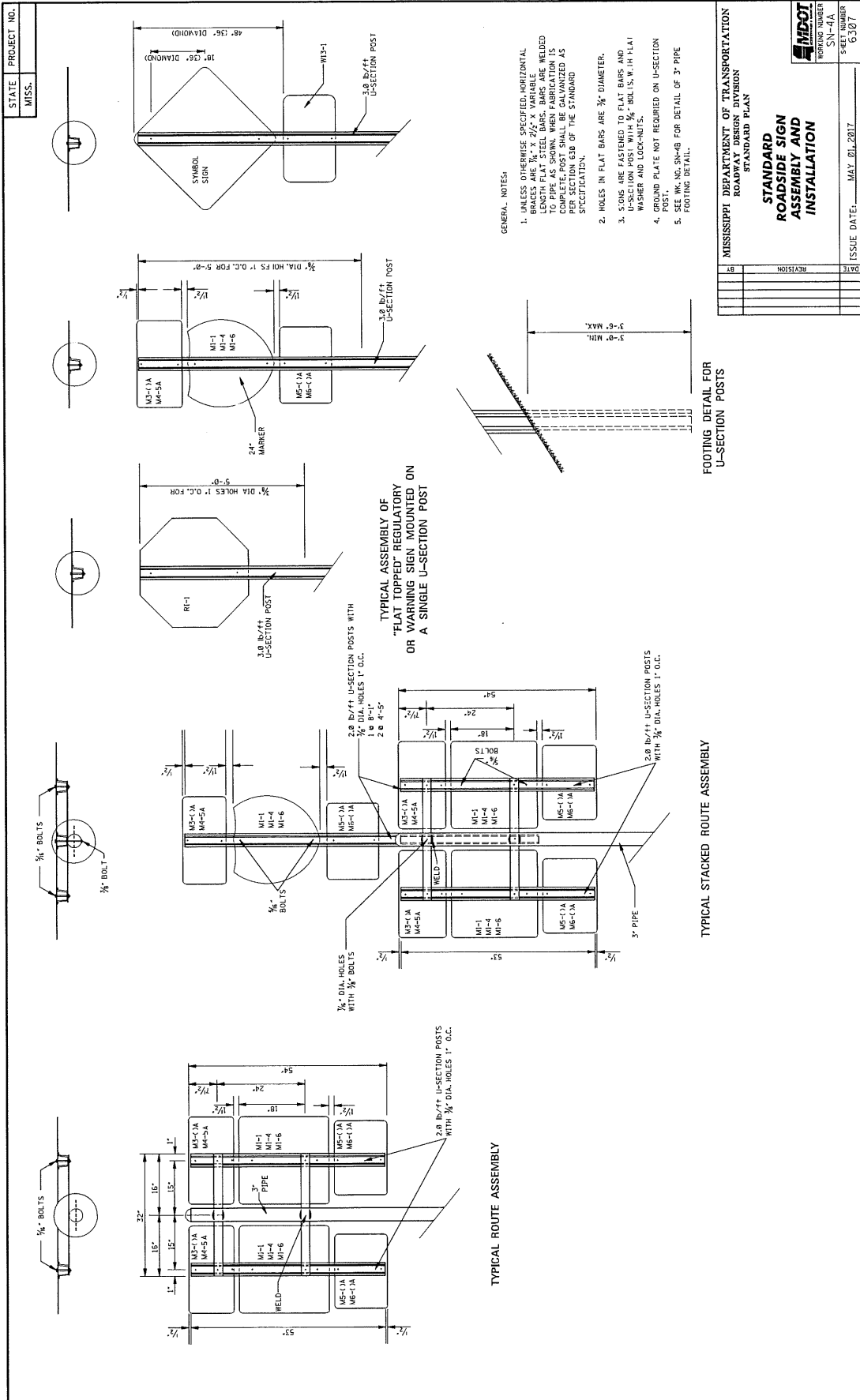
MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
ROADWAY DESIGN DIVISION  
STANDARD PLAN

**STANDARD SIGN  
ROADSIDE SIGN  
ASSEMBLY AND  
INSTALLATION**

DATE	BY	REVISION

ISSUE DATE: MAY 01, 2017

SHEET NUMBER: 6306



- GENERAL NOTES:
- UNLESS OTHERWISE SPECIFIED, HORIZONTAL BRACES ARE  $\frac{1}{2}$ " X  $2\frac{1}{2}$ " X VARIABLE LENGTH AND ARE WELDED TO PIPE AS SHOWN WHEN FABRICATION IS COMPLETE. POST SHALL BE GALVANIZED AS PER SECTION 630 OF THE STANDARD SPECIFICATION.
  - HOLES IN FLAT BARS ARE  $\frac{3}{8}$ " DIAMETER.
  - SIZES ARE LISTED FOR FLAT BARS AND BOLTS.  $\frac{3}{8}$ " BOLTS, W/ FLAT WASHER AND LOCKWASHERS.
  - GROUND PLATE NOT REQUIRED ON U-SECTION POST.
  - SEE WK. NO. SN-48 FOR DETAIL OF 3" PIPE FOOTING DETAIL.

STATE PROJECT NO. MISS.

REVISION

DATE

ISSUE DATE: MAY 01, 2017

SHEET NUMBER 6307

MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
ROADWAY DESIGN DIVISION  
STANDARD PLAN

**STANDARD  
ROADSIDE SIGN  
ASSEMBLY AND  
INSTALLATION**

TYPICAL ROUTE ASSEMBLY

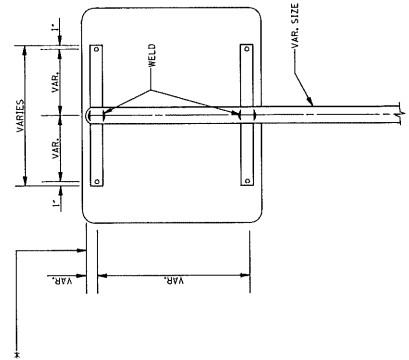
TYPICAL STACKED ROUTE ASSEMBLY

TYPICAL ASSEMBLY OF "FLAT TOPPED" REGULATORY OR WARNING SIGN MOUNTED ON A SINGLE U-SECTION POST

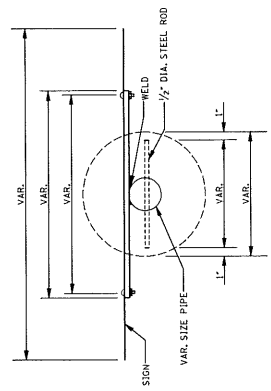
FOOTING DETAIL FOR U-SECTION POSTS



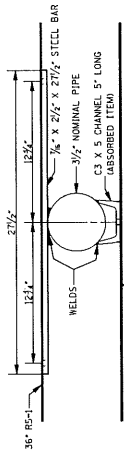
STATE MISS.	PROJECT NO.
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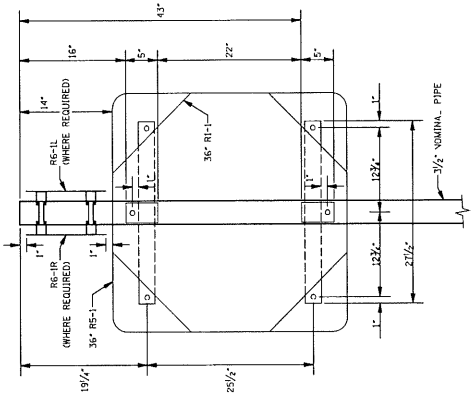
TYPICAL ASSEMBLY ON PIPE



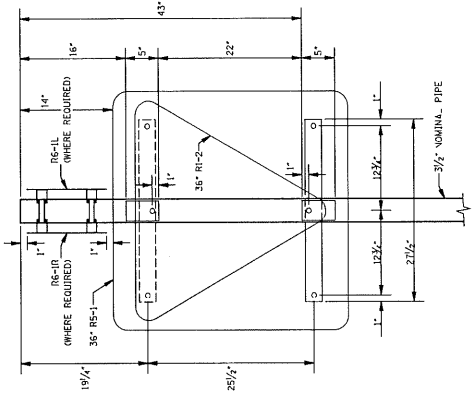
TYPICAL PLAN VIEW



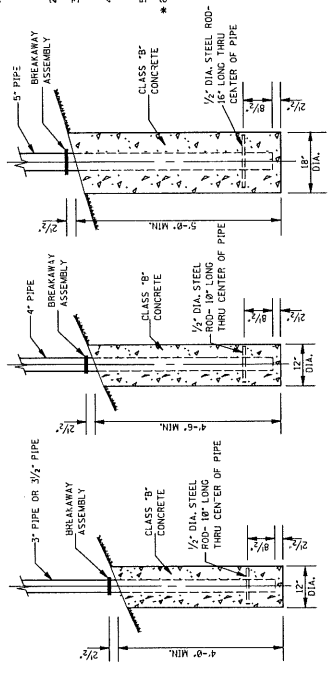
PLAN VIEW OF DOUBLE MOUNTING OF SIGNS



TYPICAL BACK-TO-BACK SIGN MOUNT SHOWING RS-1 WITH RI-1



TYPICAL BACK-TO-BACK SIGN MOUNT SHOWING RS-1 WITH RI-2



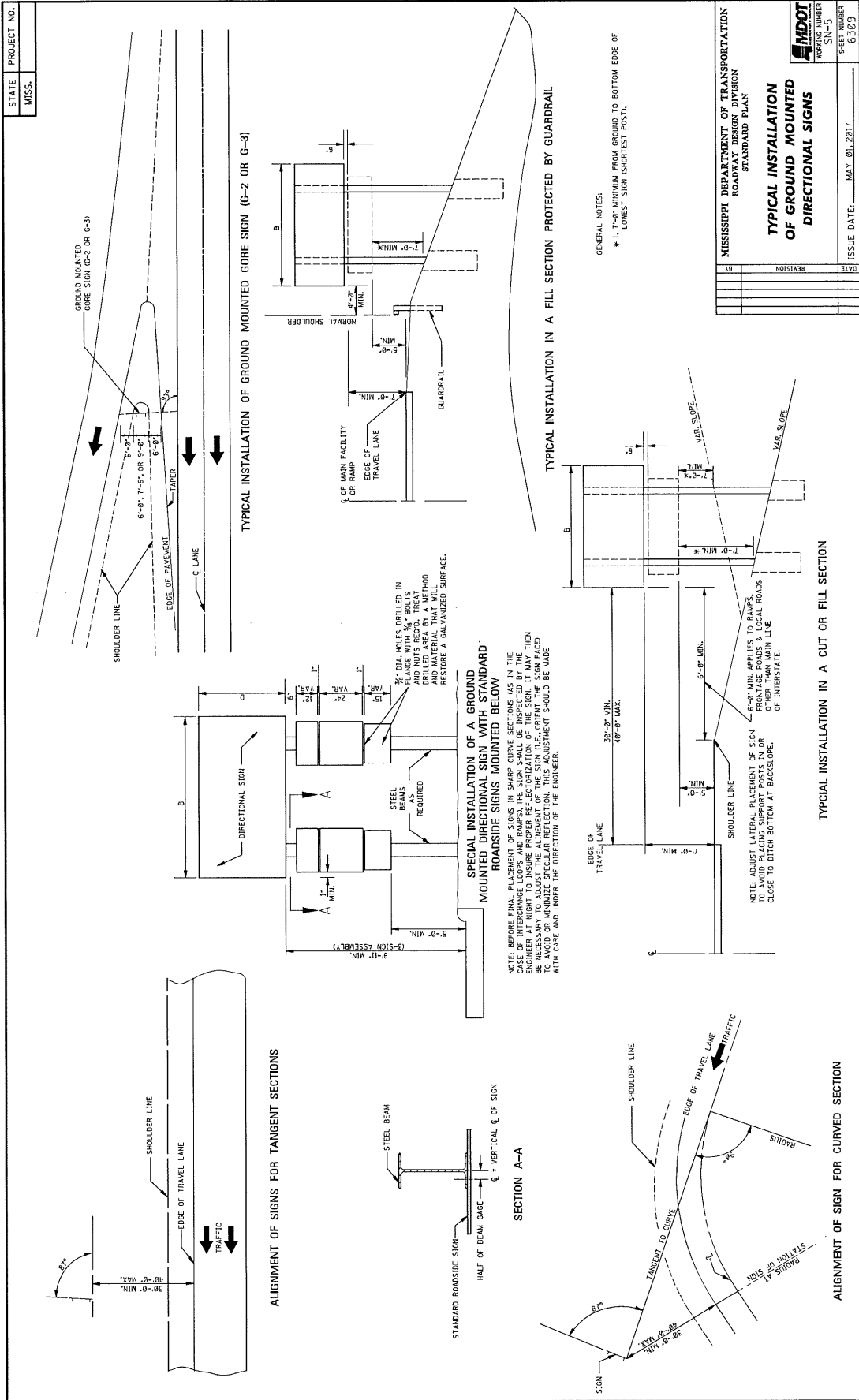
FOOTING DETAILS

- GENERAL NOTES:
- UNLESS OTHERWISE SPECIFIED, HORIZONTAL BRACES ARE 3/4" X 2 1/2" X 1/4" ANGLE IRON. ALL BRACES SHALL BE GALVANIZED AS PER SECTION 630 OF THE STANDARD SPECIFICATION.
  - HOLES IN FLAT BARS ARE 3/8" DIAMETER.
  - SIGNS ARE FASTENED TO THE FLAT BARS AND I-SECTION POSTS WITH M8 BOLTS WITH FLAT WASHERS AND LOCK NUTS.
  - WHERE REQUIRED, SIGNS RS-1L AND RS-1R ARE TO BE MOUNTED ON PIPES WITH CLAMPS OR BOCKLE BRACKETS (NOT A PAT ITEM).
  - ALL WELDS SHALL BE 3/16" FILLET.
  - TOP OF POST

MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
ROADWAY DESIGN DIVISION  
STANDARD PLAN

**STANDARD  
ROADSIDE SIGN  
ASSEMBLY AND  
INSTALLATION**

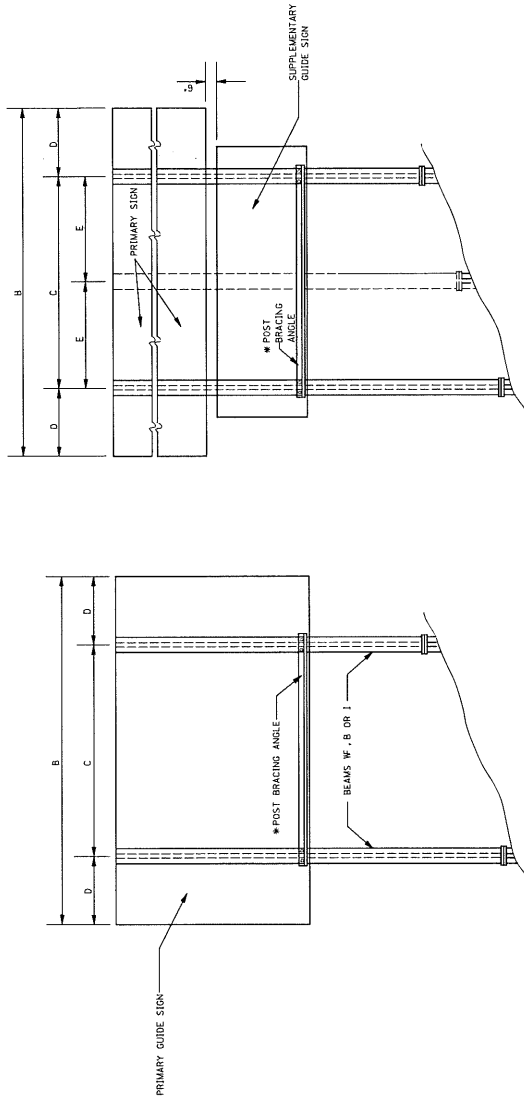
WORKS NUMBER SN-48	ISSUE DATE: MAY 01, 2017
SHEET NUMBER 6308	



STATE	PROJECT NO.
MISS.	

GENERAL NOTES FOR WORKING SHEETS SH-6, SH-6A AND SH-6B

1. EDDLING ALL REINFORCING SHALL BE CLASS "B" CONCRETE. "PMS" STUPE SHALL BE "C" IN CONCRETE FOOTING AT REQUIRED GRADE AND ALIGNMENT WITH CARE SO THAT MINIMUM SHIMMING WILL BE REQUIRED.
2. BASE CONNECTION PROCEDURE ASSEMBLE POST TO STUD WITH BOLTS AND WITH A FLAT WASHER ON EACH BOLT BETWEEN PLATES. TIGHTEN BOLTS TO 120 FT LBS. TORQUE. REMOVE BOLTS AND WASHERS AS SHOWN IN TABLE. BURN THREADS AT JUNCTION WITH NUT USING A CENTER PUNCH. HIGH STRENGTH BOLTS AND NUTS SHALL BE TIGHTENED TO TORQUE AS SHOWN BY TABLE ON SH-6A, SH-6B AND SH-6C.
3. POST DESIGN: ALL POSTS SHALL BE VERIFIED AND APPROVED BY THE ENGINEER PRIOR TO FABRICATION. WHERE FIELD CONDITIONS REQUIRE THE POST LENGTH TO VARY MORE THAN 12", IT MAY BE NECESSARY TO CHANGE THE SIZE OR NUMBER OF POSTS. SUCH DETERMINATION WILL BE MADE BY THE ROADWAY DESIGN ENGINEER. ANY CHANGE OF SIZE OR NUMBER OF POSTS SHALL NOT BE JUSTIFICATION FOR ANY CONTRACT PRICE ADJUSTMENTS.
4. FABRICATOR NOTE: IMPORTANT - ALL FRICTION FUSE BOLTS SHALL BE TIGHTENED IN SHOP BY A METHOD APPROVED BY THE BRIDGE DESIGN ENGINEER. TIGHTENING SHALL BE TO SUCH A DEGREE AS TO PROVIDE THE MINIMUM TENSION IN EACH BOLT WHEN ALL BOLTS ARE TIGHT, AS SHOWN BY TABLE SH-6A.
5. ALL HOLES IN FUSE PLATES AND HINGE PLATES SHALL BE DRILLED.
6. ALL PLATE CUTS SHALL PREFERABLY BE SAW CUTS. FLAME CUTTING WILL BE PERMITTED PROVIDED ALL EDGES ARE GRIND. METAL PROTECTING BEYOND THE PLANE OF THE PLATE FACE WILL NOT BE ACCEPTABLE.
7. WELDING FOR STEEL SIGN SUBORDINATES WELDING SHALL BE PERFORMED IN SHOP BY ELECTRIC ARC PROCESS.
8. MATERIAL SPECIFICATIONS THE MATERIALS USED IN THE CONSTRUCTION OF THE GROUND MOUNTED SIGN SUPPORT STRUCTURES, AS LISTED BELOW, SHALL BE OF THE QUALITY, MANUFACTURE, FABRICATION AND FINISH AS SHOWN IN ACCORDANCE WITH THE REQUIREMENTS OF THE SPECIFICATIONS, EXCEPT AS OTHERWISE NOTED ON THE PLANS.



TYPICAL 2-POST INSTALLATION WITH SUPPLEMENTARY GUIDE SIGN AND POST BRACING ANGLE LOCATION

TYPICAL 2-POST INSTALLATION WITHOUT EXIT SIGN

\* NOTE: PLACE POST BRACING ANGLE AT BOTTOM OF PRIMARY OR SUPPLEMENTARY SIGN WHICHEVER IS LOWER. SEE END ELEVATION OF POST AND FOOTING ON SH-6(A)

2 POST	2 POST (CONT'D)		1 POST	
	90°	10°	90°	10°
4'-0"	1'-0"	1'-0"	1'-0"	1'-0"
4'-5"	1'-0"	1'-0"	1'-0"	1'-0"
5'-0"	1'-0"	1'-0"	1'-0"	1'-0"
5'-5"	1'-0"	1'-0"	1'-0"	1'-0"
6'-0"	1'-0"	1'-0"	1'-0"	1'-0"
6'-5"	1'-0"	1'-0"	1'-0"	1'-0"
7'-0"	1'-0"	1'-0"	1'-0"	1'-0"
7'-5"	1'-0"	1'-0"	1'-0"	1'-0"
8'-0"	1'-0"	1'-0"	1'-0"	1'-0"
8'-5"	1'-0"	1'-0"	1'-0"	1'-0"
9'-0"	1'-0"	1'-0"	1'-0"	1'-0"
9'-5"	1'-0"	1'-0"	1'-0"	1'-0"
10'-0"	1'-0"	1'-0"	1'-0"	1'-0"
10'-5"	1'-0"	1'-0"	1'-0"	1'-0"
11'-0"	1'-0"	1'-0"	1'-0"	1'-0"
11'-5"	1'-0"	1'-0"	1'-0"	1'-0"
12'-0"	1'-0"	1'-0"	1'-0"	1'-0"
12'-5"	1'-0"	1'-0"	1'-0"	1'-0"
13'-0"	1'-0"	1'-0"	1'-0"	1'-0"
13'-5"	1'-0"	1'-0"	1'-0"	1'-0"
14'-0"	1'-0"	1'-0"	1'-0"	1'-0"
14'-5"	1'-0"	1'-0"	1'-0"	1'-0"
15'-0"	1'-0"	1'-0"	1'-0"	1'-0"
15'-5"	1'-0"	1'-0"	1'-0"	1'-0"
16'-0"	1'-0"	1'-0"	1'-0"	1'-0"
16'-5"	1'-0"	1'-0"	1'-0"	1'-0"
17'-0"	1'-0"	1'-0"	1'-0"	1'-0"
17'-5"	1'-0"	1'-0"	1'-0"	1'-0"
18'-0"	1'-0"	1'-0"	1'-0"	1'-0"
18'-5"	1'-0"	1'-0"	1'-0"	1'-0"
19'-0"	1'-0"	1'-0"	1'-0"	1'-0"
19'-5"	1'-0"	1'-0"	1'-0"	1'-0"
20'-0"	1'-0"	1'-0"	1'-0"	1'-0"
20'-5"	1'-0"	1'-0"	1'-0"	1'-0"
21'-0"	1'-0"	1'-0"	1'-0"	1'-0"
21'-5"	1'-0"	1'-0"	1'-0"	1'-0"
22'-0"	1'-0"	1'-0"	1'-0"	1'-0"
22'-5"	1'-0"	1'-0"	1'-0"	1'-0"
23'-0"	1'-0"	1'-0"	1'-0"	1'-0"
23'-5"	1'-0"	1'-0"	1'-0"	1'-0"
24'-0"	1'-0"	1'-0"	1'-0"	1'-0"
24'-5"	1'-0"	1'-0"	1'-0"	1'-0"
25'-0"	1'-0"	1'-0"	1'-0"	1'-0"
25'-5"	1'-0"	1'-0"	1'-0"	1'-0"
26'-0"	1'-0"	1'-0"	1'-0"	1'-0"
26'-5"	1'-0"	1'-0"	1'-0"	1'-0"
27'-0"	1'-0"	1'-0"	1'-0"	1'-0"
27'-5"	1'-0"	1'-0"	1'-0"	1'-0"
28'-0"	1'-0"	1'-0"	1'-0"	1'-0"
28'-5"	1'-0"	1'-0"	1'-0"	1'-0"
29'-0"	1'-0"	1'-0"	1'-0"	1'-0"
29'-5"	1'-0"	1'-0"	1'-0"	1'-0"
30'-0"	1'-0"	1'-0"	1'-0"	1'-0"
30'-5"	1'-0"	1'-0"	1'-0"	1'-0"

DESCRIPTION	MATERIALS PER ASTM DESIGNATION	GALVANIZE PER ASTM DESIGNATION
STEEL W. B. AND I BEAMS	A 36	A 123
BASE CONNECTION PLATES FOR PIPES	A 36	A 123
POSTS OF STEEL W. B. AND I BEAMS INCLUDING BASE CONNECTION, FUSE AND POST BRACING ANGLES AND FLAT BARS USED IN FABRICATION AND ERECTION OF SIGN SUPPORTS	A 572 GRADE 50	A 123
HIGH STRENGTH BOLTS, NUTS AND WASHERS (EXCEPT THOSE SPECIFIED OTHERWISE)	A 307	A 153
FLAT STEEL SIGN SUBORDINATES	A 307 GRADE 43	A 153

- ① ALL STEEL SHALL BE GALVANIZED AFTER FABRICATION EXCEPT AS NOTED ON THE PLANS.
- ② PIPES MAY BE WELDED OR SEAMLESS.
- ③ BOLTS, WASHERS AND NUTS USED FOR FASTENING ALUMINUM SIGN SHEETS AND PANELS SHALL BE ALUMINUM AS PER FOLLOWING TABLE.

DESCRIPTION	ASTM	ALLOY
BOLTS AND WASHERS	B 209	2024-T3
NUTS	B 211	2024-T3
STOP NUTS	B 211	2024-T3

MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
ROADWAY DESIGN DIVISION  
STANDARD PLAN

**BREAKAWAY  
SIGN SUPPORTS**

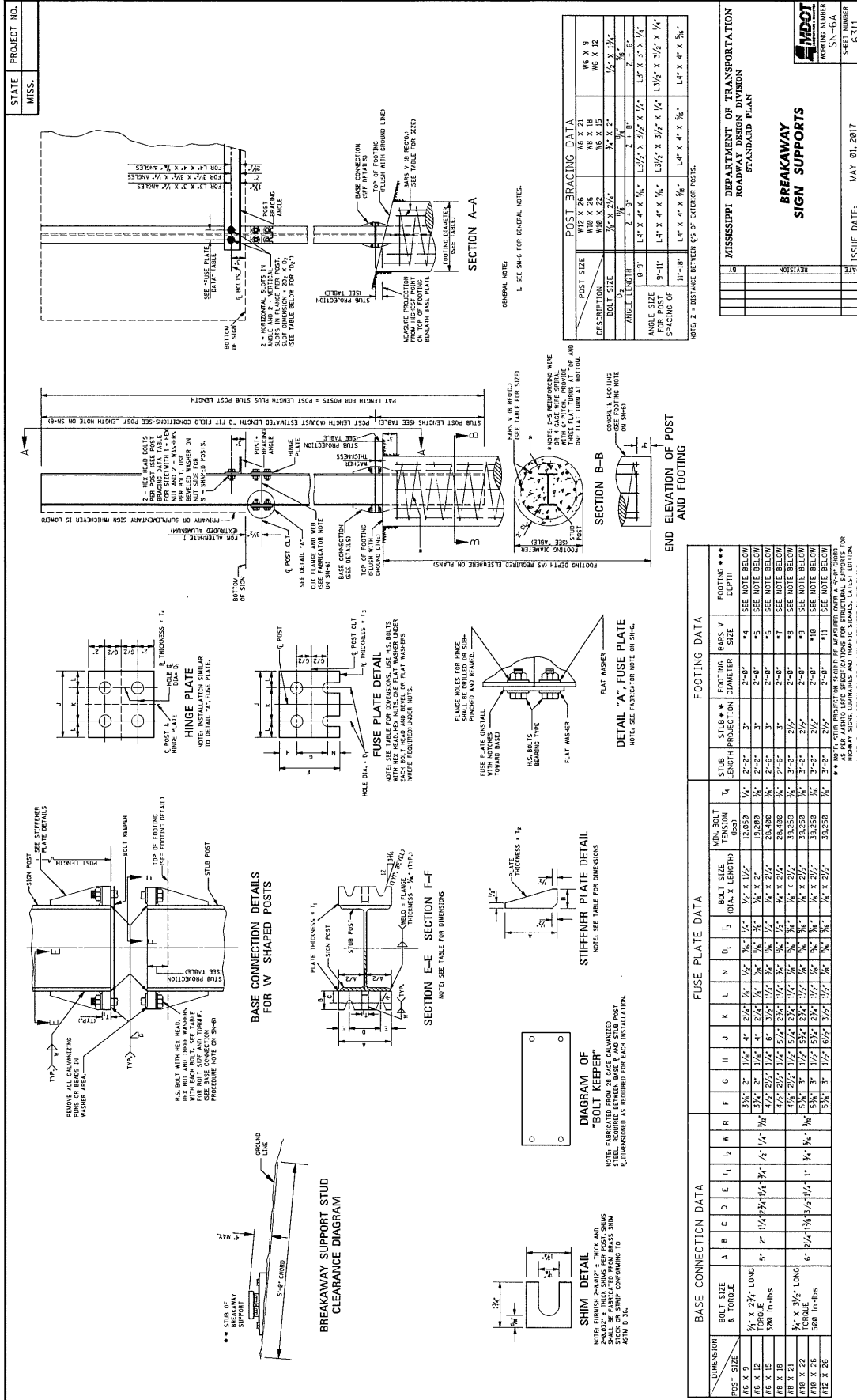
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ISSUE DATE: MAY 01, 2017

SHEET NUMBER 6310



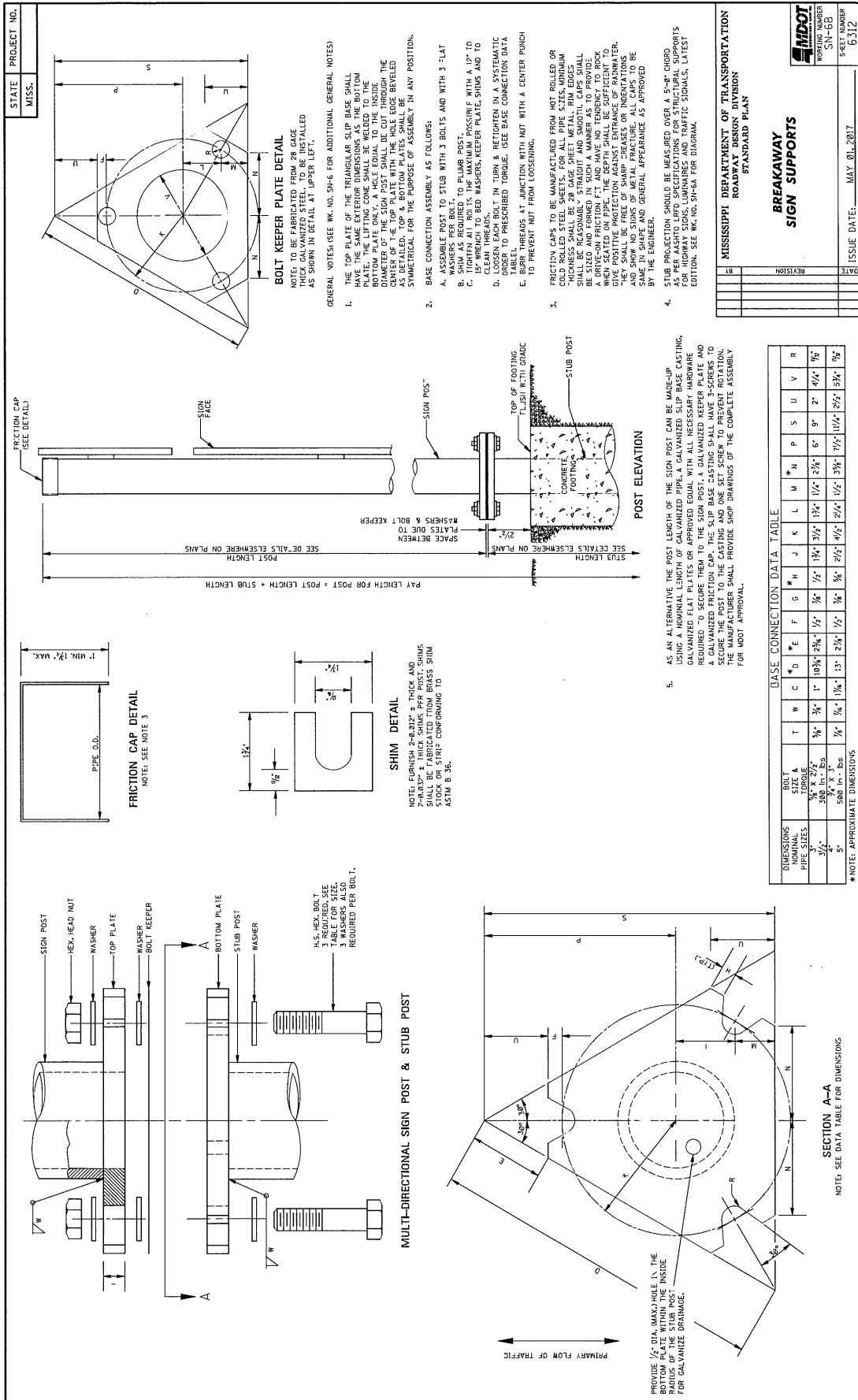


REVISION

NO.	REVISION	DATE

ISSUE DATE: MAY 01, 2017

SHEET NUMBER: 6311



STATE PROJECT NO.  
MISS.

DATE: \_\_\_\_\_  
ISSUE DATE: MAY 01, 2017

DESIGNER: \_\_\_\_\_  
CHECKER: \_\_\_\_\_  
APPROVER: \_\_\_\_\_

PROJECT: \_\_\_\_\_  
SHEET NUMBER: 6312

MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
ROADWAY DESIGN DIVISION  
STANDARD PLAN

**BREAKAWAY  
SIGN SUPPORTS**

SECTION A-A  
NOTE: SEE DATA TABLE FOR DIMENSIONS

**BOLT KEEPER PLATE DETAIL**  
NOTE: TO BE FABRICATED FROM 2# GAGE  
STEEL. DIMENSIONS SHALL BE INSTALLED  
AS SHOWN IN DETAIL AT UPPER LEFT.

**FRICION CAP DETAIL**  
NOTE: SEE NOTE 3

**SHIM DETAIL**  
NOTE: FURNISH 2-#312 ± THICK AND  
2-#312 ± THICK SHIMS PER POST. SHIMS  
SHALL BE IDENTICAL TO SHIMS  
STOCK OR SHIM COMPARING TO  
ASTM B 36.

**MULTI-DIRECTIONAL SIGN POST & STUB POST**  
NOTE: HEX BOLT  
3 REQUIRED. SEE  
TABLE FOR SIZE.  
3 WASHERS ALSO  
REQUIRED PER BOLT.

**GENERAL NOTES: (SEE MK. NO. SN-6 FOR ADDITIONAL GENERAL NOTES)**  
1. THE TOP PLATE OF THE TRIANGULAR SLIP BASE SHALL HAVE THE SAME EXTERIOR DIMENSIONS AS THE BOTTOM PLATE. THE TOP PLATE SHALL BE CUT THROUGH THE CENTER OF THE SIGN POST WITH THE HOLE EDGE BEING SYMMETRICAL FOR THE PURPOSE OF ASSEMBLY IN ANY POSITION.  
2. BASE CONNECTION ASSEMBLY AS FOLLOWS:  
A. ASSEMBLE POST TO STUB WITH 3 BOLTS & WITH 3 1/2" SHIMS.  
B. SHOW AS REQUIRED TO PLUMB POST.  
C. TIGHTEN ALL BOLTS TO THE MAXIMUM PROSCRIF WITH A 1/2" TORQUE WRENCH. USE WASHERS, KEPTEN PLATE, SHIMS AND TO CLEAN THREADS.  
D. LOOSEN EACH BOLT IN TURN & RETIGHTEN IN A SYSTEMATIC MANNER TO PRESCRIBED TORQUE. USE BASE CONNECTION DATA TABLE.  
E. BURR THREADS AT JUNCTION WITH NUT WITH A CENTER PUNCH TO PREVENT NUT FROM LOOSENING.  
3. FRICION CAPS TO BE MANUFACTURED FROM HOT ROLLED OR COLD ROLLED STEEL SHEETS. FOR ALL PIPE SIZES, MINIMUM THICKNESS SHALL BE 2# GAGE SHEET METAL. RIM EDGES SHALL BE CHAMFERED TO PREVENT CRACKING. CAPS SHALL BE SIZED AND FORMED IN SUCH A MANNER AS TO PROVIDE A DRIVE-ON FRICION FIT AND HAVE NO TENDENCY TO ROCK WHEN POSTING. FRICION CAPS SHALL BE PROVIDED WITH AN ANTI-RUST PROTECTIVE COATING AGAINST ENTRANCE OF RAINWATER. THEY SHALL BE FREE OF SHARP CREASES OR INDENTATIONS AND SHOW NO SIGNS OF METAL FRACTURE. ALL CAPS TO BE APPROVED BY THE ENGINEER. GENERAL APPEARANCE AS APPROVED BY THE ENGINEER.  
4. STUB PROJECTION SHOULD BE MEASURED OVER A 5-#4 GROUND ROD AS PER AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, LATEST EDITION. SEE MK. NO. SN-6 FOR DIAGRAM.

AS AN ALTERNATIVE THE POST LENGTH OF THE SIGN POST CAN BE WASE-UP TO THE MAXIMUM LENGTH OF GALVANIZED PIPE. GALVANIZED SLIP BASE CASTING, GALVANIZED FLAT PLATES OR APPROVED EQUAL WITH ALL NECESSARY HARDWARE REQUIRED TO SECURE THEM TO THE SIGN POST. A GALVANIZED KEEPER PLATE AND A GALVANIZED FRICION CAP. THE SLIP BASE CASTING SHALL HAVE 3-SCREWS TO SECURE THE POST TO THE CASTING AND ONE SET SCREW TO PREVENT ROTATION. THE SIGN POST SHALL PROVIDE SHOP DRAWINGS OF THE COMPLETE ASSEMBLY FOR MOOT APPROVAL.

PIPE LENGTH FOR POST + POST LENGTH + STUB LENGTH

SEE DETAILS ELSEWHERE ON PLANS

SPACE BETWEEN WASHERS & BOLT KEEPER

SEE DETAILS ELSEWHERE ON PLANS

**BASE CONNECTION DATA TABLE**

DIMENSIONS (INCHES)	PIPE SIZES	BOLT SIZE	BOLT TORQUE	T	W	C	D	E	F	G	H	J	K	L	M	N	P	S	U	V	R	
3 1/2"	3"	3/8"	300 in. lbs	3/8"	3/8"	1"	10/8"	2 3/8"	1/2"	3/4"	3/4"	3/4"	3/4"	1 1/4"	1 1/4"	1 1/4"	2 1/4"	6"	9"	2"	4 1/2"	5 1/2"
5"	4"	1/2"	500 in. lbs	1/2"	1/2"	1 1/4"	1 1/4"	1 3/4"	3/4"	1"	1 1/4"	1 1/4"	1 1/4"	1 3/4"	1 3/4"	1 3/4"	2 1/2"	7 1/2"	10 1/2"	2 1/2"	5 3/4"	6 3/4"

\* NOTE: APPROXIMATE DIMENSIONS

PROVIDE 1/2" DIA. MAX. HOLE IN THE BOTTOM PLATE WITHIN THE INSIDE RADIUS OF THE STUB POST FOR GALVANIZE DRAINAGE.

PRIMARY FLOW OF TRAFFIC

MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
ROADWAY DESIGN DIVISION  
STANDARD PLAN

**BREAKAWAY  
SIGN SUPPORTS**

SECTION A-A  
NOTE: SEE DATA TABLE FOR DIMENSIONS



MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
ROADWAY DESIGN DIVISION  
STANDARD PLAN

**BREAKAWAY  
SIGN SUPPORTS**

SECTION A-A  
NOTE: SEE DATA TABLE FOR DIMENSIONS

DATE: \_\_\_\_\_  
ISSUE DATE: MAY 01, 2017

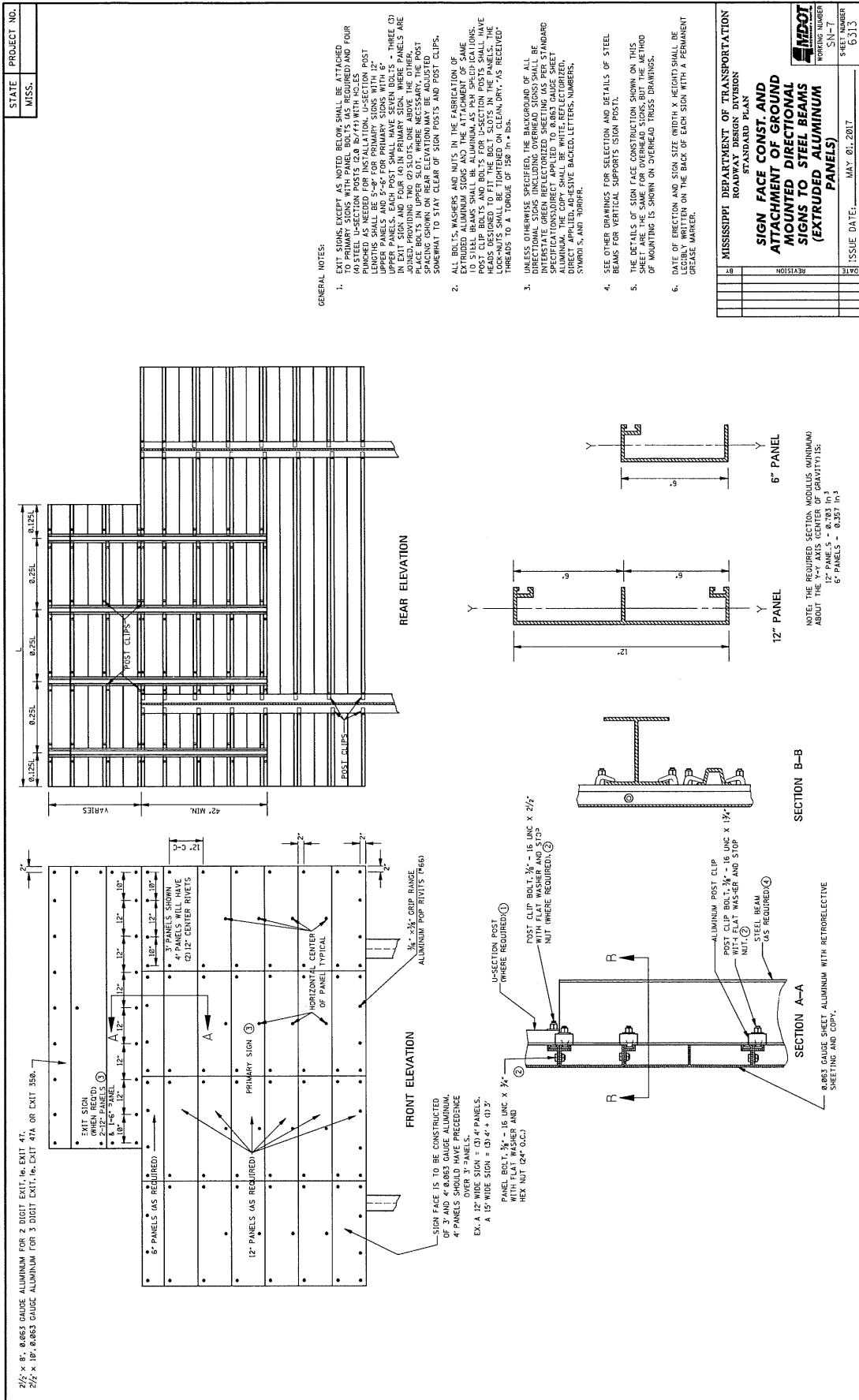
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CHECKER: \_\_\_\_\_  
APPROVER: \_\_\_\_\_

PROJECT: \_\_\_\_\_  
SHEET NUMBER: 6312

MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
ROADWAY DESIGN DIVISION  
STANDARD PLAN

**BREAKAWAY  
SIGN SUPPORTS**

SECTION A-A  
NOTE: SEE DATA TABLE FOR DIMENSIONS



STATE	MISS.
PROJECT NO.	

MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
ROADWAY DESIGN DIVISION  
STANDARD PLAN

**TYPICAL INSTALLATION AND DETAILS OF DELINEATORS AND DISTANCE REFERENCE SIGNS**

MDOT  
WORKING NUMBER  
SN-8  
SHEET NUMBER  
6314

ISSUE DATE: MAY 20, 2017

**DETAIL OF SINGLE WHITE OR SINGLE YELLOW DELINEATOR**

**REAR VIEW OF DELINEATOR ASSEMBLY**

NOTES: DELINEATORS ARE TO BE FASTENED TO U-SECTION POSTS WITH 1/4" DIA. THICK FASTENERS OR CHERRY RIVETS OF THE COLLAR TYPE OR OTHER APPROVED EQUAL.

**DETAIL OF TYPE 3 OBJECT MARKER OR DISTANCE REFERENCE SIGN ASSEMBLY**

REAR VIEW OF TYPE 3 OBJECT MARKER OR DISTANCE REFERENCE SIGN ASSEMBLY

NOTES: TYPE 3 OBJECT MARKER AND DISTANCE REFERENCE SIGNS ARE TO BE FASTENED TO U-SECTION POSTS WITH 1/4" DIA. THICK FASTENERS OR CHERRY RIVETS OF THE COLLAR TYPE OR OTHER APPROVED EQUAL.

GENERAL NOTES:  
1. DELINEATORS AND TYPE 3 OBJECT MARKER SHALL BE REFLECTIVE SHEETING ON 8.289F THICK ALUMINUM SHEET OR 14 GAGE GALVANIZED SHEET STEEL.  
2. DELINEATOR, TYPE 3 OBJECT MARKER AND DISTANCE REFERENCE SIGN POSTS SHALL BE GALVANIZED.  
3. WEIGHT WITHOUT PAINT, GROUND PLATE:  
A. TYPE 3 OBJECT MARKER POST 9'-0" - 2.5 lb/ft  
B. TYPE 3 OBJECT MARKER POST 10'-0" - 3.0 lb/ft  
C. DISTANCE REFERENCE SIGN POST 10'-0" x 11'-0" x 12'-0" & 12'-0" x 3'-0" x 3.5 lb/ft  
4. UNIT PRICE OF DELINEATORS AND TYPE 3 OBJECT MARKERS SHALL INCLUDE COST OF POST. DISTANCE REFERENCE SIGN POST WILL BE PAID FOR PER FOOT, ROLLED SECTION.  
5. RADIUS IN DEADS OF POST CROSS SECTION NOT TO EXCEED 1/8" FOR HOT ROLLED SECTION.  
6. GROUND PLATE NOT REQUIRED ON U-SECTION POST.

**DETAIL OF TYPE 3 OBJECT MARKER**

NOTE: COLORS - BLACK AND YELLOW, STRIPING SLANT DOWNWARD TO THE RIGHT FOR LEFT SIDE OF BRIDGE END. SEE DETAIL BELOW.

**DETAIL OF TYPE 3 OBJECT MARKER**

NOTE: TYPE 3 OBJECT MARKER AND DISTANCE REFERENCE SIGNS ARE TO BE FASTENED TO U-SECTION POSTS WITH 1/4" DIA. THICK FASTENERS OR CHERRY RIVETS OF THE COLLAR TYPE OR OTHER APPROVED EQUAL.

**DISTANCE REFERENCE SIGN MOUNTING ON OUTSIDE SHOULDER ALONG MAIN FACILITY**

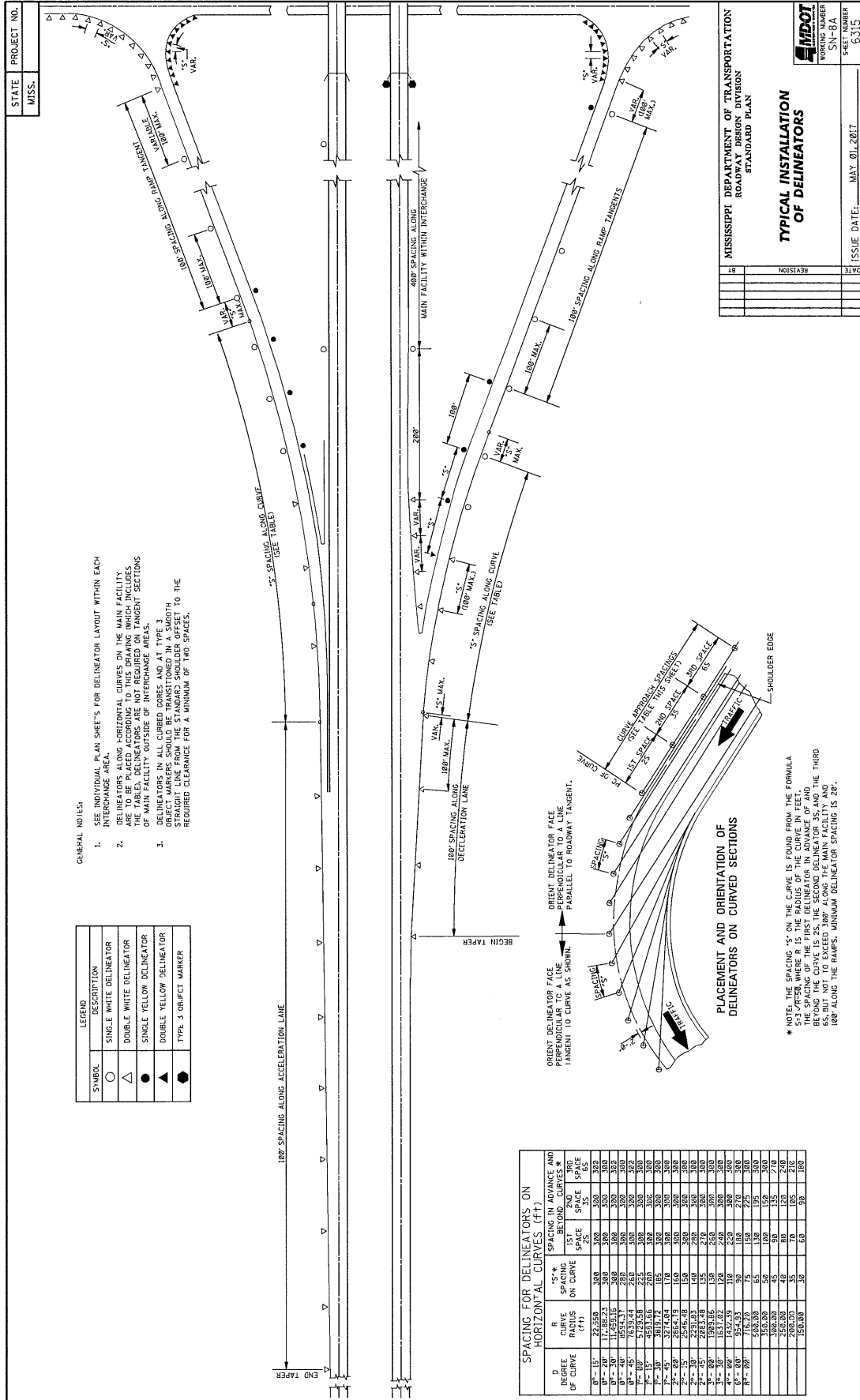
NOTE: SIGN MOUNTING ON LEFT LANE SHOULDER SHALL BE 90° OPPOSITE THE RIGHT LANE STATION. IF CONDITIONS ARE SUCH THAT MILE SIGN CANNOT BE LOCATED ON ITS TRUE LOCATION, IT SHALL BE OMITTED ENTIRELY.

**DISTANCE REFERENCE SIGN MOUNTING ON OUTSIDE SHOULDER ALONG MAIN FACILITY OR RAMP**

NOTE: SIGN MOUNTING ON LEFT LANE SHOULDER SHALL BE 90° OPPOSITE THE RIGHT LANE STATION. IF CONDITIONS ARE SUCH THAT MILE SIGN CANNOT BE LOCATED ON ITS TRUE LOCATION, IT SHALL BE OMITTED ENTIRELY.

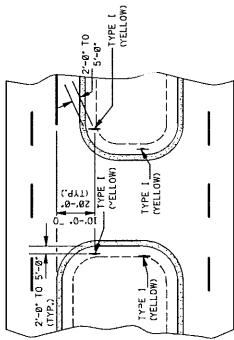
**DELINATOR MOUNTING ON OUTSIDE SHOULDER WITH MOUNTABLE CURB ALONG MAIN FACILITY OR RAMP**

**DELINATOR MOUNTING ON INTERCHANGE LOOPS WITH UNMOUNTABLE CURB ON INSIDE**

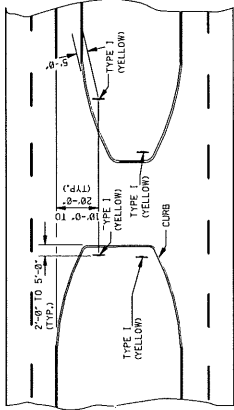




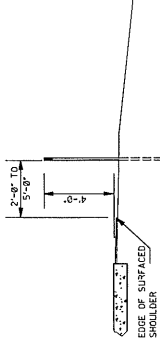
STATE	PROJECT NO.
MISS.	



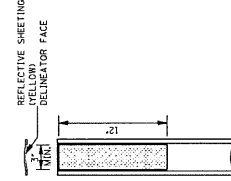
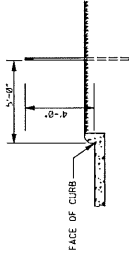
TYPICAL DELINEATION AT A CROSSOVER WITH USABLE SHOULDERS AND A MEDIAN WIDTH OVER 42'-0"



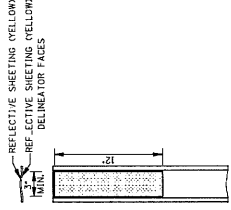
TYPICAL DELINEATION AT A CURBED CROSSOVER WITH A MEDIAN WIDTH OVER 42'-0"



DELIMITER MOUNTING ON CROSSOVER WITH USABLE SHOULDER

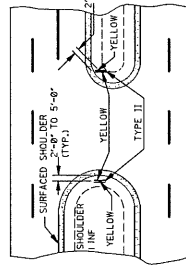


DETAIL OF TYPE I FLEXIBLE POST DELINEATOR

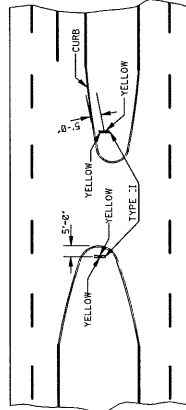


DETAIL OF TYPE II FLEXIBLE POST DELINEATOR

NOTE: CARONITE'S CURV-FLEX DELINEATOR POSTS ARE SHOWN. OTHER FLEXIBLE POSTS THAT HAVE BEEN APPROVED FOR LISTING IN THE DEPARTMENT'S APPROVED SOURCE OF MATERIALS MAY BE FURNISHED.



TYPICAL DELINEATION AT A CROSSOVER WITH USABLE SHOULDERS AND A MEDIAN WIDTH OF 42'-0" OR LESS



TYPICAL DELINEATION AT A CURBED CROSSOVER WITH A MEDIAN WIDTH OF 42'-0" OR LESS

NOTE: PLACE DELINEATORS NO MORE THAN 50'-0" FROM EDGE OF TRAVEL LINES EDGES.

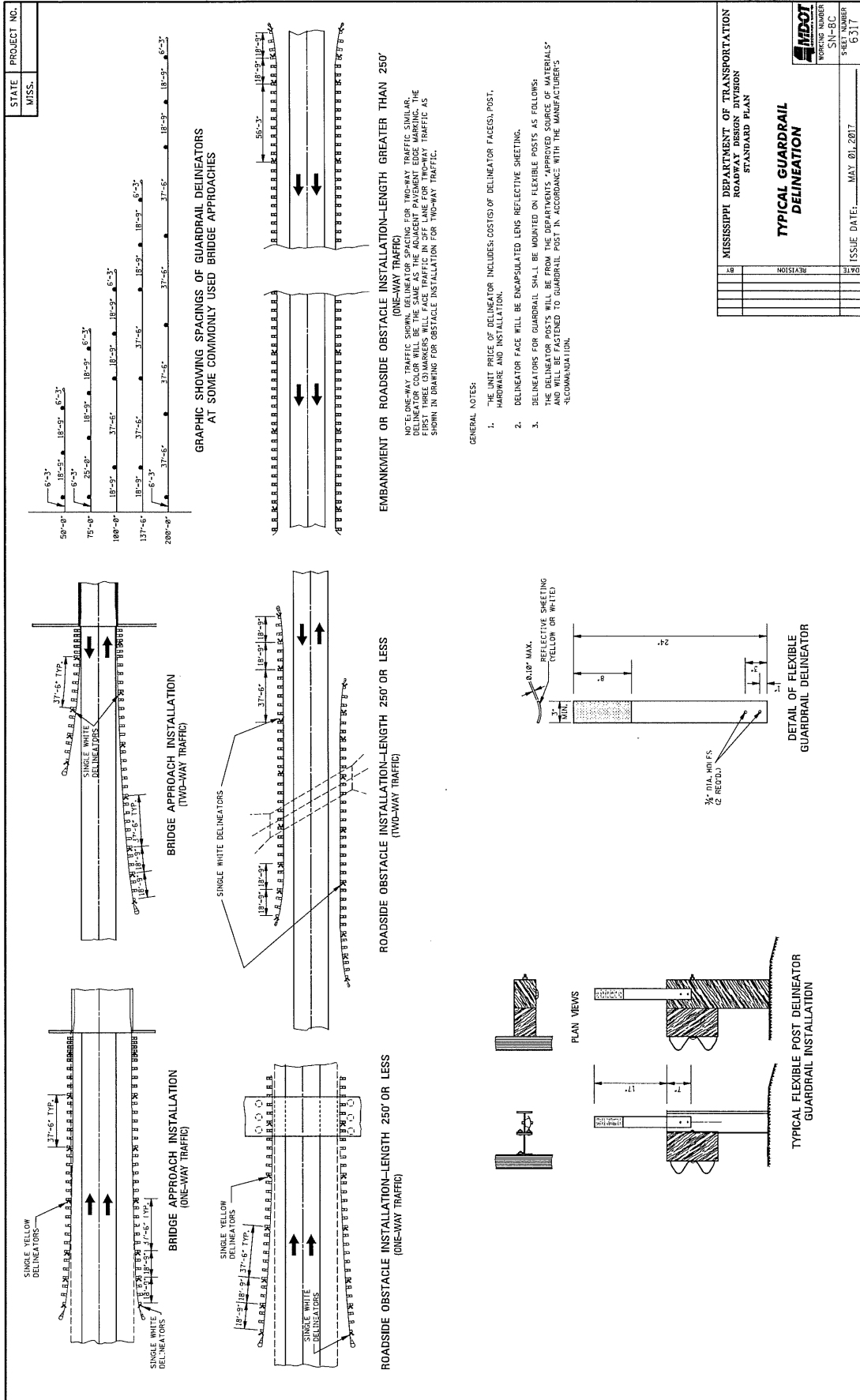
- GENERAL NOTES:
- THE UNIT PRICE OF DELINEATORS INCLUDES CASTING OF DELINEATOR FACES, POSTS, ANCHORAGE AND INSTALLATION.
  - DELINEATOR FACE WILL BE ENCAPSULATED LENS REFLECTIVE SHEETING.
  - POSTS REQUIRING THE INSTALLATION OF A BASE SHALL BE SUBMITTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
  - THE COLOR OF DELINEATORS SHALL BE THE COLOR OF THE ADJACENT EDGE LINE PER MUTCD SECTION 3F.03.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
ROADWAY DESIGN DIVISION	
STANDARD PLAN	
DATE	REVISION

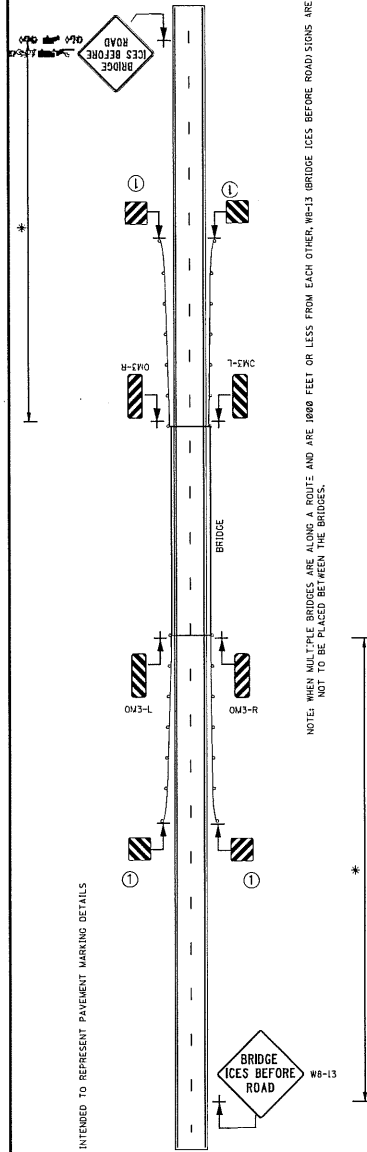
TYPICAL CROSSOVER DELINEATION



ISSUE DATE: MAY 20, 2017



STATE PROJECT NO.  
MISS.



UNDIVIDED HIGHWAY DETAIL

SIGN QUANTITIES FOR UNDIVIDED HIGHWAY (PER SIGN)

MUTCD NUMBER	STANDARD ROAD SIGN SHEET ALUMINUM THICKNESS	STANDARD ROAD SIGN SQUARE FEET	SQUARE FEET	(1/2" SECTION POST (4" x 4"))	POST (4" x 4"))	9 LF	15 LF
OMS-L	12" X 36"	3 SF	3 SF	9 LF	9 LF	9 LF	15 LF
OMS-R	36" X 36"	3 SF	3 SF	9 SF	9 SF	9 SF	15 LF

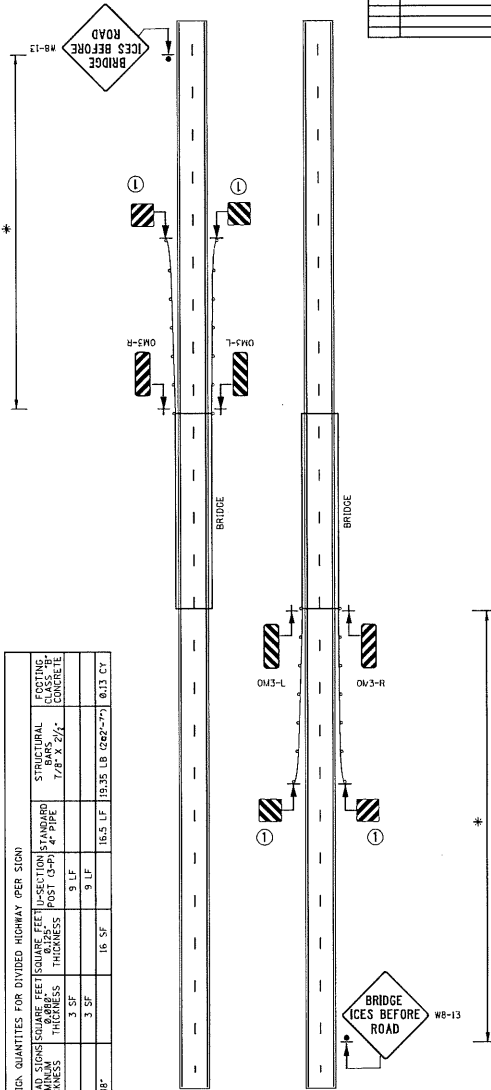
① REFLECTIVE ADHESIVE SHEETING WITH ALTERNATING BLACK AND YELLOW STRIPES, SLOPING DOWNWARD AT AN ANGLE OF 45 DEGREES IN THE DIRECTION OF TRAVEL. THE STRIPES SHOULD BE PLACED ON THE END OF THE TERMINAL END SECTION, NOT A SEPARATE PAY ITEM. COST TO BE ABSORBED IN GUARD RAIL.

TABLE 2C-4  
\* MUTCD

SPEED (MPH)	MINIMUM PLACEMENT (FEET)
35	180
40	200
45	220
50	240
55	260
60	280
65	300
70	320
75	340
80	360
85	380
90	400
95	420
100	440

SIGN QUANTITIES FOR DIVIDED HIGHWAY (PER SIGN)

MUTCD NUMBER	STANDARD ROAD SIGN SHEET ALUMINUM THICKNESS	STANDARD ROAD SIGN SQUARE FEET	SQUARE FEET	(1/2" SECTION POST (4" x 4"))	POST (4" x 4"))	9 LF	16.5 LF	19.35 LB (262" x 1/2")	0.13 CY
OMS-L	12" X 36"	3 SF	3 SF	9 LF	9 LF	9 LF	16.5 LF	19.35 LB (262" x 1/2")	0.13 CY
OMS-R	48" X 48"	3 SF	3 SF	9 SF	9 SF	9 SF	16 SF	16 SF	16 SF



DIVIDED HIGHWAY DETAIL

MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
ROADWAY DESIGN DIVISION  
STANDARD PLAN

**SIGNING DETAILS FOR BRIDGE APPROACHES**

ISSUE DATE: MAY 20, 2017

SHEET NUMBER: 6318

DATE: \_\_\_\_\_

REVISION: \_\_\_\_\_

DATE: \_\_\_\_\_



## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 4125

CODE: (SP)

DATE: 4/26/2022

SUBJECT: Contract Time

PROJECT: NH-0009-04(038) / 107958301, NH-0009-04(039) / 107958302 & NH-0009-04(039) / 107958303 -- Coahoma County

The completion of work to be performed by the Contractor for this project will not be a specified date but shall be when all allowable working days are assessed, or any extension thereto as provided in Subsection 108.06. It is anticipated that the Notice of Award will be issued no later than **June 14, 2022** and the date for Notice to Proceed / Beginning of Contract Time will be **July 14, 2022**.

Should the Contractor request a Notice to Proceed earlier than **July 14, 2022** and it is agreeable with the Department for an early Notice to Proceed, the requested date will become the new Notice to Proceed date. Regardless of whether or not an early Notice to Proceed is granted, contract time will start at the original Notice to Proceed date.

All requests for an early Notice to Proceed shall be sent to the Project Engineer who will forward it to the Contract Administration Division.

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

## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**SECTION 904 - NOTICE TO BIDDERS NO. 4127**

**CODE: (SP)**

**DATE: 05/16/2022**

**SUBJECT: Scope of Work**

**PROJECT: NH-0009-04(038) / 107958301, NH-0009-04(039) / 107958302 & NH-0009-04(039) / 107958303 -- Coahoma County**

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".

The work to be accomplished using the pay items and corresponding specifications set forth in this contract is for overlaying US Highway No.61/49 beginning at a point 0.6 miles south of SR 161 and going northerly approximately 12 miles to Eagles Nest Road in Coahoma County.

Section 1: 0.6 miles S/O SR 161 (MP:5.231) to SR 149@US 49 (MP:9.200)

Section 2: SR 149@US 49(MP:9.200) to 0.224 miles S/O Eagles Nest Road (MP:19.235)

Section 3: US 49/SR 149 from 0.5 miles S/O US 61 north approximately 1 mile to 0.46 miles N/O of US 61.

It shall be the responsibility of the Contractor to protect the roadway and all existing structures, such as bridges and curb, from damage occurring as a result of the Contractor's operations. Damages to existing features caused by the Contractor's operations shall be repaired or replaced at no cost to the Department.

At bridge ends and at the end of work day, a taper of one vertical inch (1") for each three horizontal feet (3') shall be provided.

The Contractor shall make a utility location request to 811 prior to any excavation, except for trench widening or pavement removal/repair.

In order to expedite the safe movement of traffic and to protect each phase of the work as it is performed, a firm sequence of operations is essential. The work shall be begun and continually prosecuted.

The work shall consist of the following:

1. Repair failed areas using the following:
  - 202-B, Removal of Asphalt Pavement, All Depths - for pavement structure
  - 202-B, Removal of Concrete Pavement w/Variable Depth Overlay - for pavement structure

- 203-G, Excess Excavation – for material below the pavement structure
- 403-A, 19-mm, ST, Asphalt Pavement
- 304-F, Crushed Stone – to be used to replace unsuitable material below the 1-foot limit.

NOTE: Failed areas are estimated as one foot (1') of excavation and backfilled with one foot (1') (maximum 3½" lifts) of 19-mm, ST, asphalt. The asphalt shall be placed per the Project Engineer's instructions. Saw cuts of pavement shall be required.

NOTE: Failed areas are to be backfilled the same day as excavation.

Station	Side		Width (ft)	Length (ft)	Asphalt Area (SY)	Concrete Area (SY)
	Lt	Rt.				
US Highway 49/ SR 149						
614+50	x	x	8	6	5.33	13.33
605+00	x		4	8	3.56	8.89
600+80	x	x	8	6	5.33	13.33
597+50	x	x	8	25	22.22	55.56
591+85	x	x	8	6	5.33	13.33
587+50	x		4	6	2.67	6.67
584+10	x		4	6	2.67	6.67
583+00	x		4	15	6.67	16.67
581+30	x	x	8	10	8.89	22.22
575+10	x	x	8	6	5.33	13.33
571+50	x		4	6	2.67	6.67
570+20	x		4	6	2.67	6.67
568+00	x	x	8	6	5.33	13.33
567+80	x	x	8	6	5.33	13.33
US Highway 61/49						
510+05		x	28	50	155.56	
Total					239.56	210.00

2. Fine milling operation shall be performed on the mainline, local roads, crossovers, intersections, guardrail pads, ramps and driveway pads. The Department will retain 10,000 tons of the milling material. The Contractor will deliver 3,000 tons of the milling material to the Coahoma County Maintenance Shop located at 16575 Highway 61 North in Lyon and 7,000 tons to the Quitman County Maintenance Shop located at 1799 Highway 6 West in Marks. The Contractor shall provide all necessary equipment and qualified personnel to push material into a suitable stockpile.

Location	Station		Length Feet	Width Feet	Depth Inches	Area SY
	Begin	End				
US 61 NB	276+00	482+31	19,457 (1)	28	2	60,533
US 61 SB	276+00	482+31	19,457 (1)	28	2	60,533
US 61 NB	482+31	666+43	18,243 (2)	28	2	56,756
US 61 SB	482+31	666+43	18,243 (2)	28	2	56,756

US 61 NB	669+78	770+06	10,028	28	2	31,198
US 61 SB	669+78	770+06	10,028	28	2	31,198
US 61 NB	246+81	384+00	13,600 (3)	28	2	42,311
US 61 SB	246+81	384+00	13,600 (3)	28	2	42,311
US 49/ SR 149	567+27	618+60	5,133	Var.	1½	30,950
New Africa Rd	20+94	47+50	2,256	Var.	1½	10,656
12 Crossovers (61)					2	15,400
Crossovers (49)					2	4,200
6 Chan. Int.					2	13,500
Local Roads					1½	5,400
Ramps (New Africa)					1½	15,800
Ramps (49)					2	27,300
Ramps (6)					2	19,500
Guard Rail Pads						5,250
Total						529,552

- (1) 1,174 feet of bridge deck removed from length.
- (2) 169 feet of bridge deck removed from length.
- (3) 119 feet of bridge deck removed from length.

3. The Contractor shall place ¾" and variable of 9.5-mm, Leveling asphalt for the leveling of the mainline, ramps and crossovers.

Location	Station		Type Mix	Area	Asphalt
	Begin	End		SY	Tons
US 61 NB	276+00	482+31	MT	60,533	2,750
US 61 SB	276+00	482+31	MT	60,533	2,750
US 61 NB	482+31	666+43	MT	56,756	2,580
US 61 SB	482+31	666+43	MT	56,756	2,580
US 61 NB	669+78	770+06	HT	31,198	1,420
US 61 SB	669+78	770+06	HT	31,198	1,420
US 61 NB	246+81	384+00	HT	42,311	1,925
US 61 SB	246+81	384+00	HT	42,311	1,925
US 49/ SR 149	567+27	618+60	MT	30,950	1,410
New Africa Rd (NA)	20+94	47+50	ST	10,656	500
Ramps (NA)			ST	15,785	675
Ramps (49)			ST	27,269	1,150
Ramps (6)			ST	19,484	850
Crossovers			HT	15,360	650

Mix Type	Tons
ST	3,175
MT	12,070
HT	7,340

4. The Contractor shall place surface course on the previous leveled surface.

Location	Station		Type Mix	Area SY	Thickness Inches	Asphalt Tons
	Begin	End				
US 61 NB	276+00	482+31	12.5-mm, MT	60,533	2	6,700
US 61 SB	276+00	482+31	12.5-mm, MT	60,533	2	6,700
US 61 NB	482+31	666+43	12.5-mm, MT	56,756	2	6,275
US 61 SB	482+31	666+43	12.5-mm, MT	56,756	2	6,275
US 61 NB	669+78	770+06	12.5-mm, HT	31,198	2	3,450
US 61 SB	669+78	770+06	12.5-mm, HT	31,198	2	3,450
US 61 NB	246+81	384+00	12.5-mm, HT	42,311	2	4,675
US 61 SB	246+81	384+00	12.5-mm, HT	42,311	2	4,675
US 49/ SR 149	567+27	618+60	12.5-mm, MT	27,536	1½	2,275
New Africa Rd (NA)	20+94	47+50	9.5-mm, ST	10,656	1½	900
Ramps (NA)			9.5-mm, ST	15,785	1½	1,325
Ramps (49)			12.5-mm, ST	27,269	2	3,025
Ramps (6)			12.5-mm, ST	19,484	2	2,200
Crossovers (61)			12.5-mm, HT	15,360	2	1,700
Crossovers (49)			12.5-mm, MT	4,166	2	475
Chan. Int. (61)			12.5-mm, HT	5,588	2	625
Cha, Int. (NA)			9.5-mm, ST	7,900	1½	675
Guard Rail Pads (61)			12.5-mm, MT	4,300	2	475
Guard Rail Pads (NA)			9.5-mm, ST	942	1½	100
Side Road (NA)			9.5-mm, ST	1,289	1½	125
Side Road (61)			12.5-mm, HT	4,100	2	475

Mix Type	Tons
9.5-mm, ST	3,125
12.5-mm, ST	5,225
12.5-mm, MT	29,175
12.5-mm, HT	19,050

NOTE: Contractor shall saw and seal the transverse joint on US Highway 49 surface course.

5. The Contractor shall place granular material on the shoulders as directed to raise the existing shoulders to the new surface course grade.

NOTE: Shoulders shall be bladed, shaped and compacted throughout the length of the project regardless of whether granular material is required.

NOTE: Granular material not required for the final shape of the shoulders may require removal under the pay item for excess excavation and may include small amounts of asphalt.



NOTE: Due care shall be taken during this operation to blade material to the roadway and away from the ditch line. Material inadvertently bladed to the roadway vegetation shall be removed at no cost to the Department.

6. The existing fence along US Highway 61 and US Highway 49 shall be removed and replaced. Removal of fence and any required clearing will be paid under pay item 201-A: Clearing and Grubbing. Stumps shall be removed to the existing ground level. The clearing limits for the fence removal and installation will be a total of ten (10') feet. Holes left by the removal of existing fence post shall be backfilled with existing spoils. Work to backfill holes with existing spoils or additional backfill material shall be absorbed in other items.
7. Temporary traffic stripe shall be placed daily as per Section 618 of the Standard Specifications.
8. Guardrails shall be removed and replaced at the following bridge location:

BR #	Guardrail Installation	Bridge Section Type I	Bridge Section Type H	Terminal Section Flared	Terminal Section Non - Flared	Cable Anchor Type I
256.8A&B	722	4	-	4	-	-
258.3A&B 258.4A&B	1,774	12	-	4	-	-
262.0A&B	572	-	4	4	-	-
264.4 A&B	628	-	4	4	-	-
New Africa Rd	443	4	-	4	-	-
US 49 Ramp	438	-	-	3	3	2
Total	4,577	20	8	23	3	2

BR #	Single White Delineators	Single Yellow Delineators
256.8A&B	18	18
258.3A&B 258.4A&B	30	30
262.0A&B	18	17
264.4 A&B	18	18
New Africa Rd	26	0
US 49 Ramp	-	18
Total	110	101

NOTE: Removal of guard rail will be paid under pay item 202-B: Removal of Guard Rail, Including Rails, Posts and Terminal Ends and shall include the removal of guard rail, post, terminal sections, bridge end sections, and cable anchors.

9. Delineators shall be removed and replaced per the attached table.

10. Rumble strips for rumble stripe shall be installed on the outside of edge of the roadway.
11. Permanent pavement markings (double drop thermoplastic striping, two-way clear reflective high performance raised markers, red-clear reflective high performance raised markers and two-way yellow reflective high performance raised markers) shall be installed as required. A 6-inch thermoplastic stripe shall be placed on the inside six inches (6") of the rumble strip using an atomization method to create a "rumble strip." There are 1,797 feet of bridge decks.
12. The Contractor shall remove existing signs and post, and install permanent signs and post. A list of signs and locations are attached. Existing sign will become the property of the Department. Signs will be delivered to the maintenance shop located on US Highway 51 in Batesville. All signs and hardware shall be removed from post prior to delivery. All hardware required for the erection of new signs and post shall be absorbed in other items of work. All concrete for footings will be paid under Pay Item # 601-B001, Class "B" Structural Concrete, Minor Structures.

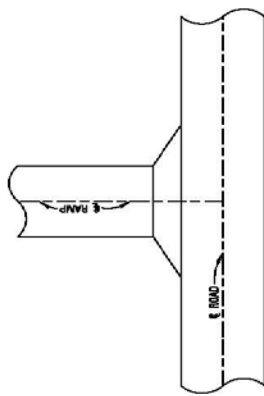
The cost of removal of signs and U-channel posts shall be absorbed in the cost of other items bid.

The Contractor shall provide all signs and traffic handling devices necessary to safely maintain traffic around or through the work areas.

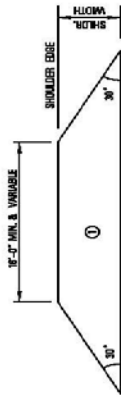
Incidental work such as removing vegetation, shaping and compaction of shoulder, necessary and incidental grading of roadway ditches and other incidental work that is necessary to complete the work will not be measured for separate payment and the cost will be included in the bid items provided.

The Engineer may direct the use of additional cones at County roads or intersections within lane closures and will be absorbed in pay item 618-A: Maintenance of Traffic.

STATE	PROJECT NO.
MISS.	



PLAN VIEW OF RAMP



DETAIL OF PAVED APRON

① 1-1/2" & VARIABLE DEPTH ASPHALT PAVEMENT REQUIRED



MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
<b>MISCELLANEOUS DETAIL</b>	
PROJECT NUMBER	DATE
MIS-1	
FILE NAME	DATE
REVISED	DATE

Lat	Long	Sign ID	Height (ft)	Width (ft)	Roadside Directional Signs	Interstate Directional Signs	Replace Supports	Square Tube, 9.0 lb/ft	Square Tube, 4.0 lb/ft	2-3/16" Inner Sleeve	Aluminum Sign Bracing	Concrete
		1	4	8	32		Yes		32	24	16	0.26
		2	6.5	18.5		120.25	No					
		3	6	11.5		69	Yes		36	28		0.26
		4	4	12		48	Yes		32	24		0.26
		5	5	21		105	No					
New	90°35'5.66"W	6	5	6		30	Yes	16.5				0.52
		7	2.5	4	10		No					
		8	6	12		72	No					
		9	10.5	18		189	No					
		10	5	6		30	Yes	16.5				0.52
		11	3.5	9		31.5	No					
		11a	2	6	12		No					
		12	4	8	32		Yes		32	24	16	0.26
		13	4	8	32		Yes		32	24	16	0.26
		14	13	14		182	No					
		15	11	17.5		192.5	No					
		16	5	6		30	YES	16.5				0.52
		17	6	9		54	No					
		18	2	4	8		Yes		28	20	8	0.26
New	90°31'51.53"W	19	3	6	18				30	22	12	0.26
New	90°31'53.06"W	20	6.5	8.5		55.25	Yes		37	29	17	0.26
		21	2	6.5	13		Yes		28	20	13	0.26
		22	6	11		66	No					
		23	11	17.5		192.5	No					
		24	5	6		30	Yes	16.5				0.52
		25	6	9		54	No					
		26	4	8		32	Check		32	24		0.26
		27	13	14		182	No					
		27a	3	5	15		No					
		28	7	12		84	No					
		29	10.5	18		189	No					
		30	5	6		30	Yes	16.5				0.52
		31	3.5	9		31.5	No					
		31a	2	4.5	9		No					
		32	4	7.5	30		Yes		32	24	15	0.26
		33	3.5	11.5		40.25	No					
		34	2	8	16		Yes		28	20	16	0.26
		35	3.5	11.5		40.25	No					
		36	6.5	18.5		120.25	No					
		37	6	11.5		69	Yes		36	28		0.26
		38	2.5	4	9		No					
		39	5	21		105	No					
		40	5	6		30	Yes	16.5				0.52
		41	3.5	8.5		29.75	No					
		42	4	8	32		Yes		32	24	16	0.26
		43	3	7.5		22.5	No					
		44	2.5	8		20	No					
		45	2.5	8		20	No					
		46	3.5	11.5		40.25	No					
		47	13	14		182	No					
New	90°32'51.82"W	48	2	7.5	15		Yes	99	28	20	15	0.26
					283	2818.75			475	355	160	7.02

Remove Lyon Right Lane  
 Remove 90°31'51.48"W  
 Remove 90°31'52.77"W MDOT Maintenance HDQT  
 Remove 90°31'53.45"W 161 Lyon Clarksdale Directional Sign

Location (Sta. #)	Lane Location	Sign Code	Sign Description	Type 3 Object Markers	0.08"	0.1"	0.125"	Square Tube, 2.0 lb/ft	Square Tube, 4.0 lb/ft	Removal Pipe Post & Footing	Removal Channel	Notes
292+50	LR	R1-2	Yield		5.1			15			1	Crossover
293+00	RR	R6-1L	One Way Left		3			15			1	Crossover
293+00	LR	R6-1L	One Way Left		3			15			1	Crossover
293+00	LL	R1-1	36" Stop			7.46		15			1	CR by golf course
293+00	LL	R6-1L	One Way Left		3							CR by golf course (same post as 36" stop)
293+00	LL	R6-1R	One Way Right		3							CR by golf course (same post as 36" stop)
293+00	LL	R6-3	Divided Highway		5							CR by golf course (same post as 36" stop)
293+50	LL	R6-1L	One Way Left								1	remove -- not necessary
294+25	RL	R5-1	Do Not Enter			9		15			1	Crossover
301+50	RR	M1-6	SR 161		5							NB Route Tree (reuse existing pipe post)
301+50	RR	M1-6	SR 322		5							NB Route Tree (reuse existing pipe post)
301+50	RR	M2-1	Jct.		2.19							NB Route Tree (reuse existing pipe post)
301+50	RR	M2-1	Jct.		2.19							NB Route Tree (reuse existing pipe post)
305+50	RR	M3-2	East		2							NB Route Tree (reuse existing pipe post)
305+50	RR	M3-4	West		2							NB Route Tree (reuse existing pipe post)
305+50	RR	M3-1	North		2							NB Route Tree (reuse existing pipe post)
305+50	RR	M1-6	SR 322		5							NB Route Tree (reuse existing pipe post)
305+50	RR	M1-6	SR 322		5							NB Route Tree (reuse existing pipe post)
305+50	RR	M1-6	SR 161		5							NB Route Tree (reuse existing pipe post)
305+50	RR	M6-3	Up arrow		2.19							NB Route Tree (reuse existing pipe post)
305+50	RR	M6-1L	Left Arrow		2.19							NB Route Tree (reuse existing pipe post)
305+50	RR	M6-1L	Left Arrow		2.19							NB Route Tree (reuse existing pipe post)
308+00	LR	R5-1	Do Not Enter								1	Crossover -- Remove (not necessary)
308+00	LR	R1-2	Yield		5.1			15			1	Crossover
308+50	LL	R1-2	Yield		5.1			15			1	SR 161
309+00	RR	R6-1L	One Way Left		3			15			1	Crossover
309+25	RR	R6-1R	One Way Right		3			15			1	Crossover (missing)
309+00	LL	W3-1	Stop Sign Ahead				16					SR 161 (reuse existing pipe post)
309+00	LL	R1-1	48" Stop			13.25		15		1		SR 161 (reuse existing pipe post)
309+00	LL	R6-1R	One Way Right		3							SR 161 (reuse existing pipe post) (same post as 48" stop)
309+00	LL	R6-1L	One Way Left		3							SR 161 (reuse existing pipe post) (same post as 48" stop)
309+00	LL	R6-3	Divided Highway		5							SR 161 (reuse existing pipe post) (same post as 48" stop)
309+00	LL	W1-8	Chevron Left		5			15			1	on SR 161
309+00	LL	W1-8	Chevron Left		5			15			1	on SR 161
309+00	LL	W1-8	Chevron Left		5			15			1	on SR 161
309+00	LL	W1-8	Chevron Left		5			15			1	on SR 161
309+00	LL	W1-8	Chevron Left		5			15			1	on SR 161
309+00	LL	W1-8	Chevron Left		5			15			1	on SR 161
309+00	LL	M1-4	US 61		4			15		1		route tree on SR 161 (reuse existing pipe post)
309+00	LL	M1-4	US 61		4							route tree on SR 161 (reuse existing pipe post) (same post as US 61)
309+00	LL	M1-6	SR 322		5							route tree on SR 161 (reuse existing pipe post) (same post as US 61)
309+00	LL	M5-1L	Left Turn Arrow		2.19							route tree on SR 161 (reuse existing pipe post) (same post as US 61)
309+00	LL	M5-1L	Left Turn Arrow		2.19							route tree on SR 161 (reuse existing pipe post) (same post as US 61)
309+00	LL	M6-2R	Diagonal Right		2.19							route tree on SR 161 (reuse existing pipe post) (same post as US 61)
309+00	LL	M3-2	East		2							route tree on SR 161 (reuse existing pipe post) (same post as US 61)
309+00	LL	M3-1	North		2							route tree on SR 161 (reuse existing pipe post) (same post as US 61)
309+00	LL	M3-4	West		2							route tree on SR 161 (reuse existing pipe post) (same post as US 61)
309+50	LL	R1-2	Yield		5.1			15			1	SR 161
309+50	LL	R5-1	Do Not Enter			9						SR 161 (same post as yield)
310+00	RL	R5-1	Do Not Enter			9					1	SR 161 Crossover
311+50	LL	M1-6	SR 322		5			15				SB Route Tree (reuse existing pipe post)
311+50	LL	M1-6	SR 161		5							SB Route Tree (reuse existing pipe post)
311+50	LL	M6-1R	Right Arrow		2.19							SB Route Tree (reuse existing pipe post)
311+50	LL	M6-1R	Right Arrow		2.19							SB Route Tree (reuse existing pipe post)
311+50	LL	M3-4	West		2							SB Route Tree (reuse existing pipe post)
311+50	LL	M3-1	North		2							SB Route Tree (reuse existing pipe post)
312+50	LR	M3-1	Wrong Way		2						1	remove -- not necessary
313+25	RR	M1-4	US 61		4							NB Route Tree (reuse existing pipe post)
313+25	RR	M1-4	US 278		5			15		1		NB Route Tree (reuse existing pipe post)
313+25	RR	M1-6	SR 322		5							NB Route Tree (reuse existing pipe post)
313+25	RR	M3-1	North		2							NB Route Tree (reuse existing pipe post)
313+25	RR	M3-2	East		2							NB Route Tree (reuse existing pipe post)
313+25	RR	M3-2	East		2							NB Route Tree (reuse existing pipe post)



737+00	LL	M3-3	South									SB Route Tree (reuse existing pipe post)
742+00	LR	R5-1	Wrong Way		2							Crossover (remove -- not necessary)
744+75	LR	R5-1	Do Not Enter			9						Crossover
745+25	LR	R1-2	Yield		5.1							Crossover
745+25	LR	R6-1R	One Way Right			3						Crossover (same post as Yield)
745+25	RR	R6-1L	One Way Left			3						Crossover
745+50	LL	R1-1	36" Stop			7.46						Rodgers Rd
745+50	LL	R6-1L	One Way Left		3							Rodgers Rd. (same post as 36" stop)
745+50	LL	R6-1R	One Way Right		3							Rodgers Rd. (same post as 36" stop)
745+50	LL	R6-3	Divided Highway		5							Rodgers Rd. (same post as 36" stop)
745+50	LL	W3-1	Stop Sign Ahead				9					Rodgers Rd
746+00	RR	R1-1	36" Stop			7.46						CR to Shady Nook
746+00	RR	R6-1L	One Way Left		3							CR to Shady Nook (same post as 36" stop)
746+00	RR	R6-1R	One Way Right		3							CR to Shady Nook (same post as 36" stop)
746+00	RR	R6-3	Divided Highway		5							CR to Shady Nook (same post as 36" stop)
746+25	RL	R1-2	Yield		5.1							Crossover @ Shady Nook
746+25	RL	R6-1R	One Way Right		3							Crossover @ Shady Nook (same post as Yield)
746+25	LL	R6-1L	One Way Left		3							Crossover @ Shady Nook
746+75	RL	R5-1	Do Not Enter			9						Crossover @ Shady Nook
749+00	LR	R6-1R	One Way Right		3							Across from Shady Nook
750+00	LR	R6-1R	One Way Right		3							Across from Shady Nook
752+50	RR	R2-1	Speed Limit 65			12						Reuse existing pipe post
758+00	LL	M1-6	SR 161		5							SB Route Tree
758+00	LL	M2-1	Jct.		2.19							SB Route Tree (same post as SR 161)
<b>EQUATION</b>												
254+00	LR	R6-1R	One Way Right		3							Across from Traxit
255+00	LR	R6-1R	One Way Right		3							Across from Traxit
258+00	LR	R6-1R	One Way Right		3							Across from Traxit
268+00	RR	W8-13	Bridge May Ice									Reuse existing pipe post
278+00	LR	OM-3L	Type 3 OM	1								Bridge
278+00	RR	OM-3R	Type 3 OM	1								Bridge
279+00	LL	OM-3L	Type 3 OM	1								Bridge
279+00	RL	OM-3R	Type 3 OM	1								Bridge
283+75	LL	R1-2	Yield		5.1							Mullins-Williams Rd.
283+75	LR	R5-1	Do Not Enter			9						Crossover @ Mullins-Williams Rd.
284+25	LR	R1-2	Yield		5.1							Crossover @ Mullins-Williams Rd.
284+25	LR	R6-1R	One Way Right		3							Crossover @ Mullins-Williams Rd. (same post as yield)
284+25	LL	R1-1	48" Stop			13.25			15			Mullins-Williams Rd.
284+25	LL	R6-1R	One Way Right		3							Mullins-Williams Rd. (same post as 48" stop)
284+25	LL	R6-1L	One Way Left		3							Mullins-Williams Rd. (same post as 48" stop)
284+25	LL	R6-3	Divided Highway		5							Mullins-Williams Rd. (same post as 48" stop)
284+25	LL	W3-1	48" Stop Ahead				16					Mullins-Williams Rd. (reuse existing pipe post)
284+75	RR	R6-1L	One Way Left		3							Crossover @ Mullins-Williams Rd.
284+75	RR	R1-2	Yield		5.1							Mullins-Williams Rd.
284+75	RR	R5-1	Do Not Enter			9						Mullins-Williams Rd. (same post as yield)
284+75	LL	R1-2	Yield		5.1							Mullins-Williams Rd.
284+75	LL	R5-1	Do Not Enter			9						Mullins-Williams Rd. (same post as yield)
285+00	RR	W3-1	48" Stop Ahead				16		15			Mullins-Williams Rd.
285+00	RL	R1-2	Yield		5.1							Crossover @ Mullins-Williams Rd.
285+00	RL	R6-1L	One Way Left		3							Crossover @ Mullins-Williams Rd. (same post as yield)
285+00	RR	R6-1L	One Way Left		3							Crossover @ Mullins-Williams Rd.
285+25	RR	R1-1	48" Stop			13.25			15			Mullins-Williams Rd.
285+25	RR	R6-1R	One Way Right		3							Mullins-Williams Rd. (same post as 48" stop)
285+25	RR	R6-1L	One Way Left		3							Mullins-Williams Rd. (same post as 48" stop)
285+25	RR	R6-3	Divided Highway		5							Mullins-Williams Rd. (same post as 48" stop)
285+50	RL	R5-1	Do Not Enter			9						Crossover @ Mullins-Williams Rd.
286+00	RR	R1-2	Yield		5.1							Mullins-Williams Rd.
286+00	RR	R6-1R	One Way Right		3							Median
290+00	LL	W8-13	Bridge May Ice				16					Reuse existing pipe post
307+50	LR	R6-1R	One Way Right		3							Median
334+00	LR	R6-1R	One Way Right		3							Median
344+00	RR	R1-1	36" Stop			7.46						Willis Circle
344+00	RR	R6-1R	One Way Right		3							Willis Circle (same post as 36" stop)
347+00	LR	R5-1	Do Not Enter			9						Crossover @ Perry Dr. (missing)

347+50	LR	R6-1R	One Way Right		3				15			Crossover @ Perry Dr. (missing)
347+50	LL	R6-1L	One Way Left		3				15			Crossover @ Perry Dr. (missing)
348+00	RR	R1-1	36" Stop			7.46			15	1		Perry Dr.
348+00	RR	R6-1R	One Way Right		3							Perry Dr. (same post as 36" stop)
348+00	RR	R6-1L	One Way Left		3							Perry Dr. (same post as 36" stop)
348+00	RR	R6-3	Divided Highway		5				15			Crossover @ Perry Dr. (missing)
348+00	RL	R1-2	Yield		5.1				15			Crossover @ cemetery (missing)
370+75	LR	R1-2	Yield		5.1				15			Cemetery Rd.
371+00	LL	R1-1	36" Stop			7.46			15	1		Cemetery Rd. (same post as 36" stop)
371+00	LL	R6-1R	One Way Right		3							Cemetery Rd. (same post as 36" stop)
371+00	LL	R6-1L	One Way Left		3							Cemetery Rd. (same post as 36" stop)
371+25	RR	R6-3	Divided Highway		5				15			Crossover @ cemetery (missing)
371+50	RL	R6-1R	One Way Right		3				15			Crossover @ cemetery (missing)
372+00	RL	R5-1	Do Not Enter			9			15			Crossover @ cemetery (missing)
376+50	LL	R2-1	Speed Limit 65			12						Reuse existing pipe post
<b>RAMP &amp; LOOPS</b>												
SR 6 NE Ramp			Buckle Up/Law		5				15			"Buckle up, it's the law"
SR 6 NW Ramp		D9-2	Hospital		4				15			Blue
SR 6 NW Ramp		M6-1RA	Right Arrow		2.19							Blue - same post as hospital sign
SR 6 NW Ramp		R5-1a	Wrong Way			8.75						Reuse existing pipe post
SR 6 NW Ramp		R5-1a	Wrong Way			8.75						Mounted on back of green directional sign
SR 6 NW Ramp		M3-2	East		2				15	1		Route tree (replace existing pipe post)
SR 6 NW Ramp		M3-2	East		2							Route tree (replace existing pipe post)
SR 6 NW Ramp		M6-2L	45 degree left arrow		2.19							Route tree (replace existing pipe post)
SR 6 NW Ramp		M6-2L	45 degree left arrow		2.19							Route tree (replace existing pipe post)
SR 6 NW Ramp		M1-4	US 278		5							Route tree (replace existing pipe post)
SR 6 NW Ramp		M1-6	SR 6		4							Route tree (replace existing pipe post)
SR 6 SW Ramp		R5-1a	Buckle Up/Law		5				15	1		"Buckle up, it's the law"
SR 6 SE Ramp		R5-1a	Wrong Way			8.75						Reuse existing pipe post
SR 6 SE Ramp		D9-2	Wrong Way			8.75						Mounted on bottom of green directional sign
SR 6 SE Ramp		M6-1LA	Hospital		4							Mounted on bottom of green directional sign
SR 6 SE Ramp		M3-2	Left Arrow		2.19							Mounted on bottom of green directional sign
SR 6 SE Ramp		M3-2	East		2							Route tree (reuse existing pipe post)
SR 6 SE Ramp		M3-2	East		2							Route tree (reuse existing pipe post)
SR 6 SE Ramp		M6-1R	Right Arrow		2.19							Route tree (reuse existing pipe post)
SR 6 SE Ramp		M6-1R	Right Arrow		2.19							Route tree (reuse existing pipe post)
SR 6 SE Ramp		M1-4	US 278		5							Route tree (reuse existing pipe post)
SR 6 SE Ramp		M1-6	SR 6		4							Route tree (reuse existing pipe post)
US 49 NW Ramp		W3-1a	48" Stop Ahead Symbol				16			1		Replace existing pipe post
US 49 NW Ramp		W3-1a	48" Stop Ahead Symbol				16					Reuse existing pipe post
US 49 NW Ramp		R5-1a	Wrong Way			8.75						Reuse existing pipe post
US 49 NW Ramp		R5-1a	Wrong Way			8.75						Mounted on back of green directional sign
US 49 NW Ramp		R4-7	Keep Right of Median Symbol		5				15			Mounted on back of green directional sign
US 49 NW Ramp		R1-1	48" Stop Sign				13.25					Reuse existing pipe post
US 49 NW Ramp		R5-1	Do Not Enter			9						Mounted on back of 48" Stop Sign
US 49 NW Ramp		R1-2	Yield		5.1				15			Mounted on back of 48" Stop Sign
US 49 NW Loop		R1-2	Yield		5.1				15			Mounted on back of 48" Stop Sign
US 49 NW Loop		M1-6	Buckle Up/Law						15			"Buckle up, it's the law"
US 49 NE Loop		M1-4	SR 322		5				15			Route tree (reuse existing pipe post)
US 49 NE Loop		M6-1L	Left Arrow		4							Route tree (reuse existing pipe post)
US 49 NE Loop		M6-1L	Left Arrow		2.19							Route tree (reuse existing pipe post)
US 49 NE Loop		M6-1L	Left Arrow		2.19							Route tree (reuse existing pipe post)
US 49 NE Loop		M3-3	South		2							Route tree (reuse existing pipe post)
US 49 NE Loop		M3-2	East		2							Route tree (reuse existing pipe post)
US 49 NE Loop		R5-1a	Wrong Way			8.75			15	1		Replace existing pipe post
US 49 NE Loop		R5-1a	Wrong Way			8.75						Mounted on back of green directional sign
US 49 NE Loop		R1-1	48" Stop Sign				13.25					Reuse existing pipe post
US 49 NE Loop		R5-1	Do Not Enter			9						Mounted on back of 48" Stop Sign



US 49 NE Loop						15			1		Mounted on back of green directional sign Large -- Replace existing pipe post
US 49 NE Ramp	R4-7	Keep Right of Median Symbol		5							
US 49 NE Ramp	M1-4	US 49 North		4		15			1		On same post as US 49
US 49 NE Ramp	M3-1	Buckle Up/Law		2							"Buckle up, it's the law"
US 49 NE Ramp	W3-1a	48" Stop Ahead Symbol		5		15					Reuse existing pipe post
New Africa SW Loop						16					
New Africa SW Loop	R5-1a	Wrong Way		8.75							Mounted on back of green directional sign Large -- Replace existing pipe post
New Africa SW Loop	R4-7	Keep Right of Median Symbol				12			1		
New Africa SW Loop	R1-2	Yield		5.1							
New Africa SW Loop	R1-1	48" Stop Sign				13.25			1		Reuse existing pipe post Mounted on 48" Stop Sign post
New Africa SW Loop	R5-1	Do Not Enter		9							Mounted on 48" Stop Sign post
New Africa SW Loop	R6-1L	One Way Left		3							Mounted on 48" Stop Sign post
New Africa SW Loop	R6-1R	One Way Right		3							Mounted on 48" Stop Sign post
New Africa SW Loop	R1-2	Yield		5.1		15			1		
New Africa SW Ramp	R5-1	Do Not Enter		9							Mounted on same post as Yield
New Africa SE Loop	R1-2	Yield		5.1		15			1		Reuse existing pipe post
New Africa SE Loop	W13-3	Ramp 30 MPH				20					Large -- reuse existing pipe post
New Africa SE Loop	R4-7	Keep Right of Median Symbol				12					
New Africa SE Loop	W3-1a	48" Stop Ahead Symbol				16					Reuse existing pipe post
New Africa SE Ramp	R5-1	Do Not Enter				16					Large -- reuse existing pipe post
New Africa SE Ramp	R5-1a	Wrong Way		8.75							Mounted on back of green directional sign
New Africa SE Ramp	R1-1	48" Stop Sign				13.25					Reuse existing pipe post
New Africa SE Ramp	R5-1	Do Not Enter		9							Mounted on 48" Stop Sign post
New Africa SE Ramp	R6-1L	One Way Left		3							Mounted on 48" Stop Sign post
New Africa WB Lanes	R1-1	36" Stop Sign		7.46		15			1		CR NE quad
New Africa WB Lanes	W8-13	48" Bridge May Ice				16					Replace existing pipe post
New Africa WB Lanes	M2-1	Jct.		2.19							Route tree (reuse existing pipe post)
New Africa WB Lanes	M2-1	Jct.		2.19							Route tree (reuse existing pipe post)
New Africa WB Lanes	M1-4	US 61		4							Route tree (reuse existing pipe post)
New Africa WB Lanes	M1-4	US 278		5							Route tree (reuse existing pipe post)
New Africa WB Lanes	M3-3	South		2							Route tree (reuse existing pipe post)
New Africa WB Lanes	M3-4	West		2							Route tree (reuse existing pipe post)
New Africa WB Lanes	M3-1	North		2							Route tree (reuse existing pipe post)
New Africa WB Lanes	M3-2	East		2							Route tree (reuse existing pipe post)
New Africa WB Lanes	M1-4	US 61		4							Route tree (reuse existing pipe post)
New Africa WB Lanes	M1-4	US 278		5							Route tree (reuse existing pipe post)
New Africa WB Lanes	M1-4	US 278		5							Route tree (reuse existing pipe post)
New Africa WB Lanes	M6-3	Up arrow		2.19							Route tree (reuse existing pipe post)
New Africa WB Lanes	M6-3	Up arrow		2.19							Route tree (reuse existing pipe post)
New Africa WB Lanes	M6-1L	Left Arrow		2.19							Route tree (reuse existing pipe post)
New Africa WB Lanes	M6-1L	Left Arrow		2.19							Route tree (reuse existing pipe post)
New Africa WB Lanes	W1-7	Left Right Arrow		8		30			2		Across from 48" Stop Sign Remove (not necessary)
New Africa WB Lanes	W1-7	Bridge May Ice							1		
New Africa WB Lanes	W1-7	Left Right Arrow		8		30			2		Across from 48" Stop Sign Remove (not necessary)
New Africa WB Lanes	M3-3	South		2							Route tree (reuse existing pipe post)
New Africa WB Lanes	M3-4	West		2							Route tree (reuse existing pipe post)
New Africa WB Lanes	M1-4	US 61		4							Route tree (reuse existing pipe post)
New Africa WB Lanes	M1-4	US 278		5							Route tree (reuse existing pipe post)
New Africa WB Lanes	M6-1L	Left Arrow		2.19							Route tree (reuse existing pipe post)
New Africa WB Lanes	M6-1L	Left Arrow		2.19							Route tree (reuse existing pipe post)
New Africa WB Lanes	M2-1	Jct.		2.19							Route tree (reuse existing pipe post)
New Africa WB Lanes	M2-1	Jct.		2.19							Route tree (reuse existing pipe post)
New Africa WB Lanes	M1-4	US 61		4							Route tree (reuse existing pipe post)
New Africa WB Lanes	M1-4	US 278		5							Route tree (reuse existing pipe post)
New Africa WB Lanes	R1-1	36" Stop Sign		7.46		15			1		CR SW quad
New Africa EB Lanes	M3-1	North		2							Route tree (reuse existing pipe post)
New Africa EB Lanes	M3-3	South		2							Route tree (reuse existing pipe post)
New Africa EB Lanes	M3-2	East		2							Route tree (reuse existing pipe post)
New Africa EB Lanes	M3-4	West		2							Route tree (reuse existing pipe post)
New Africa EB Lanes	M6-3	Up arrow		2.19							Route tree (reuse existing pipe post)

New Africa EB Lanes	M6-3	Up arrow		2.19													Route tree (reuse existing pipe post)
New Africa EB Lanes	M6-IR	Right Arrow		2.19													Route tree (reuse existing pipe post)
New Africa EB Lanes	M6-IR	Right Arrow		2.19													Route tree (reuse existing pipe post)
New Africa EB Lanes	M1-4	US 278		5													Route tree (reuse existing pipe post)
New Africa EB Lanes	M1-4	US 278		5													Route tree (reuse existing pipe post)
New Africa EB Lanes	M1-4	US 61		4													Route tree (reuse existing pipe post)
New Africa EB Lanes	M1-4	US 61		4													Route tree (reuse existing pipe post)
New Africa EB Lanes	WB-13	48" Bridge May Ice					16										Route tree (reuse existing pipe post)
New Africa EB Lanes	OM-3R	Type 3 OM	2							18							New Africa Rd. Bridge
New Africa EB Lanes	OM-3L	Type 3 OM	2							18							New Africa Rd. Bridge
New Africa EB Lanes	M3-2	North		2													Route tree (reuse existing pipe post)
New Africa EB Lanes	M3-2	East		2													Route tree (reuse existing pipe post)
New Africa EB Lanes	M1-4	US 61		4													Route tree (reuse existing pipe post)
New Africa EB Lanes	M1-4	US 278		5													Route tree (reuse existing pipe post)
New Africa EB Lanes	M6-2R	45 degree right arrow		2.19													Route tree (reuse existing pipe post)
New Africa EB Lanes	M6-2R	45 degree right arrow		2.19													Route tree (reuse existing pipe post)
New Africa EB Lanes	W1-2R	Right curve ahead symbol					9			15					1		Route tree (reuse existing pipe post)
New Africa EB Lanes	R1-1	36" Stop Sign		7.46						15					1		Motny Martin Rd.
<b>US 49 4-lane section (NB Lanes)</b>																	
539+00	RR	W1-4	Right curve ahead symbol				9			15							Missing
546+50	RR	W6-1	Divided Hwy. Symbol				9			15							Missing
561+50	LR	R4-7	Divided Hwy. Symbol				20										Large -- reuse existing pipe post
566+50	RR	M2-1	Jct.				2.19										Route tree (reuse existing pipe post)
566+50	RR	M2-1	Jct.				2.19										Route tree (reuse existing pipe post)
566+50	RR	M1-4	US 61				4										Route tree (reuse existing pipe post)
566+50	RR	M1-4	US 278				5										Route tree (reuse existing pipe post)
569+00	RR	M3-4	West				2										Route tree (reuse existing pipe post)
569+00	RR	M3-2	East				2										Route tree (reuse existing pipe post)
569+00	RR	M1-4	US 278				5										Route tree (reuse existing pipe post)
569+00	RR	M1-4	US 278				5										Route tree (reuse existing pipe post)
569+00	RR	M6-3	Up arrow				2.19										Route tree (reuse existing pipe post)
569+00	RR	M6-2R	45 degree right arrow				2.19										Route tree (reuse existing pipe post)
572+00	RR	M3-1	North				2										Route tree (reuse existing pipe post)
572+00	RR	M3-1	North				2										Route tree (reuse existing pipe post)
572+00	RR	M3-3	South				2										Route tree (reuse existing pipe post)
572+00	RR	M1-4	US 61				4										Route tree (reuse existing pipe post)
572+00	RR	M1-4	US 61				4										Route tree (reuse existing pipe post)
572+00	RR	M1-4	US 49				4										Route tree (reuse existing pipe post)
572+00	RR	M6-3	Up arrow				2.19										Route tree (reuse existing pipe post)
572+00	RR	M6-2R	45 degree right arrow				2.19										Route tree (reuse existing pipe post)
572+00	RR	M6-2R	45 degree right arrow				2.19										Route tree (reuse existing pipe post)
576+50	LR	R1-2	Yield				5.1			15					1		Route tree (reuse existing pipe post)
576+50	RR	R6-1L	One Way Left				3			15					1		Route tree (reuse existing pipe post)
584+00	RR	M3-3	South				2										Route tree (reuse existing pipe post)
584+00	RR	M3-4	West				2										Route tree (reuse existing pipe post)
584+00	RR	M3-4	West				2										Route tree (reuse existing pipe post)
584+00	RR	M1-4	US 61				4										Route tree (reuse existing pipe post)
584+00	RR	M1-4	US 278				5										Route tree (reuse existing pipe post)
584+00	RR	M1-6	SR 322				5										Route tree (reuse existing pipe post)
584+00	RR	M6-2R	45 degree right arrow				2.19										Route tree (reuse existing pipe post)
584+00	RR	M6-2R	45 degree right arrow				2.19										Route tree (reuse existing pipe post)
584+00	RR	M6-2R	45 degree right arrow				2.19										Route tree (reuse existing pipe post)
587+00	RR	W13-2	Exit 30 mph														Reuse existing pipe post

590+00	LR	W6-1	48" Left Lane Ends						15	1		Replace existing pipe post
590+00	LR	R5-1a	Wrong Way									Mounted on back of 48" Left Lane ends
590+00	RR	R3-1	No Right Turn Symbol	4			8.75	15		1		
591+00	LR	R1-2	Yield	5.1				15		1		
594+50	LR	W4-2	48" Left Lane Ends Symbol					15		1		Replace existing pipe post
598+00	RR	R2-1	Speed Limit 55				12			2		Large -- reuse existing pipe post remove -- not necessary
602+75	LR	R5-1a	Wrong Way						15			missing
602+75	RR	W6-2	Divided Hwy. Symbol				9			1		"Plant Entrance"
603+00	RR	W6-3	Plant Entrance					15				Missing
604+50	RR	W6-3	Head to Head traffic symbol									on back of head to head traffic symbol
604+50	RR	R5-1	Do Not Enter									Missing (place at beginning of gore as per RSP-13)
610+00	RR	W6-3	Head to Head traffic symbol						15			
<b>US 49 4-lane section (SB Lanes)</b>												
620+00	LL	W1-4	Right curve ahead symbol						15			missing
614+50	LL	W6-1	Divided Hwy. Symbol						15			missing
604+50	RL	R4-7	Divided Hwy. Symbol						15	1		Large -- Replace existing pipe post
599+50	RL	R6-1R	One Way Right	3				15		1		Route tree (reuse existing pipe post)
598+25	RL	R6-1R	One Way Right	3				15		1		Route tree (reuse existing pipe post)
598+25	LL	M2-1	Jct.	2.19								Route tree (reuse existing pipe post)
598+25	LL	M2-1	Jct.	2.19								Route tree (reuse existing pipe post)
598+25	LL	M2-1	Jct.	2.19								Route tree (reuse existing pipe post)
598+25	LL	M1-4	US 49	4								Route tree (reuse existing pipe post)
598+25	LL	M1-4	US 61	4								Route tree (reuse existing pipe post)
598+25	LL	M1-4	US 278	5								Route tree (reuse existing pipe post)
594+50	LL	M3-2	East	2								Route tree (reuse existing pipe post)
594+50	LL	M3-4	West	2								Route tree (reuse existing pipe post)
594+50	LL	M3-3	South	2								Route tree (reuse existing pipe post)
594+50	LL	M3-1	North	2								Route tree (reuse existing pipe post)
594+50	LL	M1-4	US 278	5								Route tree (reuse existing pipe post)
594+50	LL	M1-4	US 278	5								Route tree (reuse existing pipe post)
594+50	LL	M1-4	US 61	4								Route tree (reuse existing pipe post)
594+50	LL	M1-4	US 61	4								Route tree (reuse existing pipe post)
594+50	LL	M6-3	Up arrow	2.19								Route tree (reuse existing pipe post)
594+50	LL	M6-3	Up arrow	2.19								Route tree (reuse existing pipe post)
594+50	LL	M6-1L	Left Arrow	2.19								Route tree (reuse existing pipe post)
594+50	LL	M6-1L	Left Arrow	2.19								Route tree (reuse existing pipe post)
591+50	RL	R6-1L	One Way Left	3				15		1		Route tree (reuse existing pipe post)
591+50	RL	R1-2	Yield	5.1								Same post as one way left
589+00	LL		Buckle Up/Law	5						1		"Buckle up, it's the law"
589+00	LL		\$250 Fine	4								"\$250 Fine for throwing trash on highway" -- Same post as buckle up sign
580+50	RL	W6-2	48" Divided Hwy. Symbol						15	1		Replace existing pipe post
578+00	LL	M3-1	North	2								Route tree (reuse existing pipe post)
578+00	LL	M3-1	North	2								Route tree (reuse existing pipe post)
578+00	LL	M3-3	South	2								Route tree (reuse existing pipe post)
578+00	LL	M3-2	East	2								Route tree (reuse existing pipe post)
578+00	LL	M6-1L	Left Arrow	2.19								Route tree (reuse existing pipe post)
578+00	LL	M6-1L	Left Arrow	2.19								Route tree (reuse existing pipe post)
578+00	LL	M6-1L	Left Arrow	2.19								Route tree (reuse existing pipe post)
578+00	LL	M6-3	Up arrow	2.19								Route tree (reuse existing pipe post)
578+00	LL	M1-4	US 49	4								Route tree (reuse existing pipe post)
578+00	LL	M1-4	US 49	4								Route tree (reuse existing pipe post)
578+00	LL	M1-4	US 278	5								Route tree (reuse existing pipe post)
578+00	LL	M1-4	US 61	4								Route tree (reuse existing pipe post)
573+00	RL	W9-1	48" Left Lane Ends							16		reuse existing pipe post



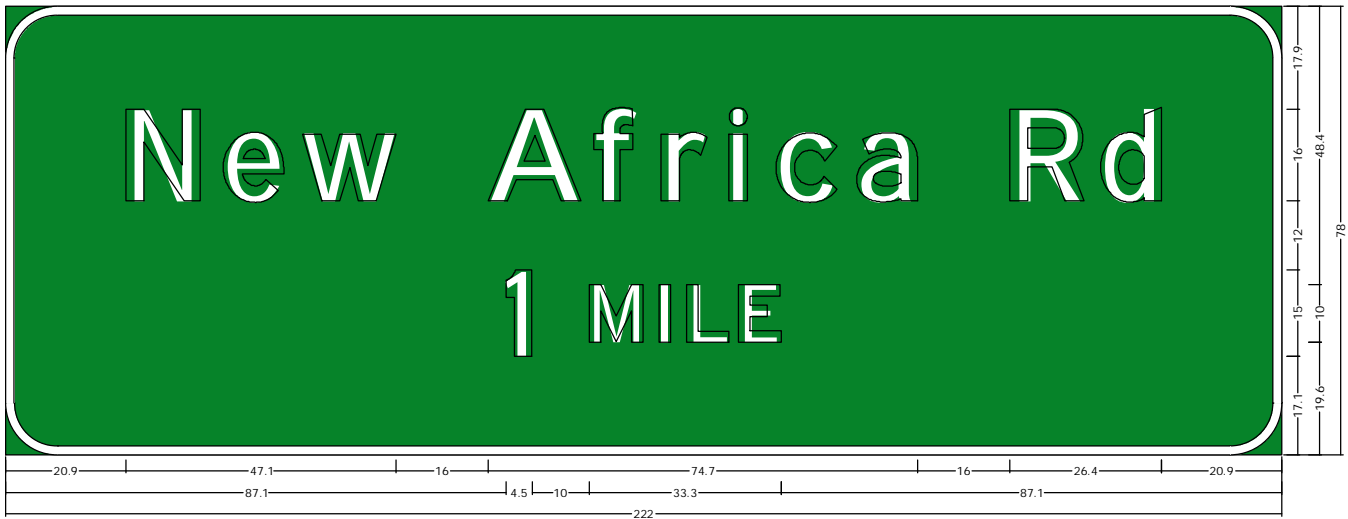
<b>Delineators</b>									
Description	Single White Delineators	Double White Delineators	Single Yellow Delineators	Double Yellow Delineators	Type 1 Flexible Delineator	Type 2 Flexible Delineator	Guardrail Delineator White	Guardrail Delineator Yellow	
SE Ramp from 49 to 61	24	21	6	5	0	0	0	0	
SE Cloverleaf from 61 to 49 (Interchange included)	14	30	9	6	0	0	0	0	
NE Ramp from 61 to 49	16	21	6	5	0	0	0	0	
NE Clover leaf from 49 to 61	18	14	9	8	0	0	0	0	
NE Ramp from hwy 6 to 61	24	21	6	5	0	0	0	0	
NW Ramp from 61 to hwy 6	14	30	9	6	0	0	0	0	
SE Ramp from 61 to hwy 6	16	21	6	5	0	0	0	0	
SW Ramp from hwy 6 to 61	18	14	9	8	0	0	0	0	
SW Ramp from New Africa to 61	24	21	6	5	0	0	0	0	
SW Cloverleaf from New Africa to 61	14	30	9	6	0	0	0	0	
NW Ramp from New Africa to 61	16	21	6	5	0	0	0	0	
NW Clover leaf from 61 to New Africa	18	14	9	8	0	0	0	0	
Guardrails					0	0	57	45	
Crossovers					75	8	0	0	
<b>TOTALS</b>	<b>216</b>	<b>258</b>	<b>90</b>	<b>72</b>	<b>75</b>	<b>8</b>	<b>57</b>	<b>45</b>	

Sign 1



6.0" Radius, 1.3" Border, White on, Green;  
"South", E Mod 2K; "Clarksdale", E Mod 2K; "NEXT LEFT", E Mod 2K;

Sign 2



9.0" Radius, 1.5" Border, White on, Green:  
"New Africa Rd", E Mod 2K: "1 MILE", E Mod 2K:

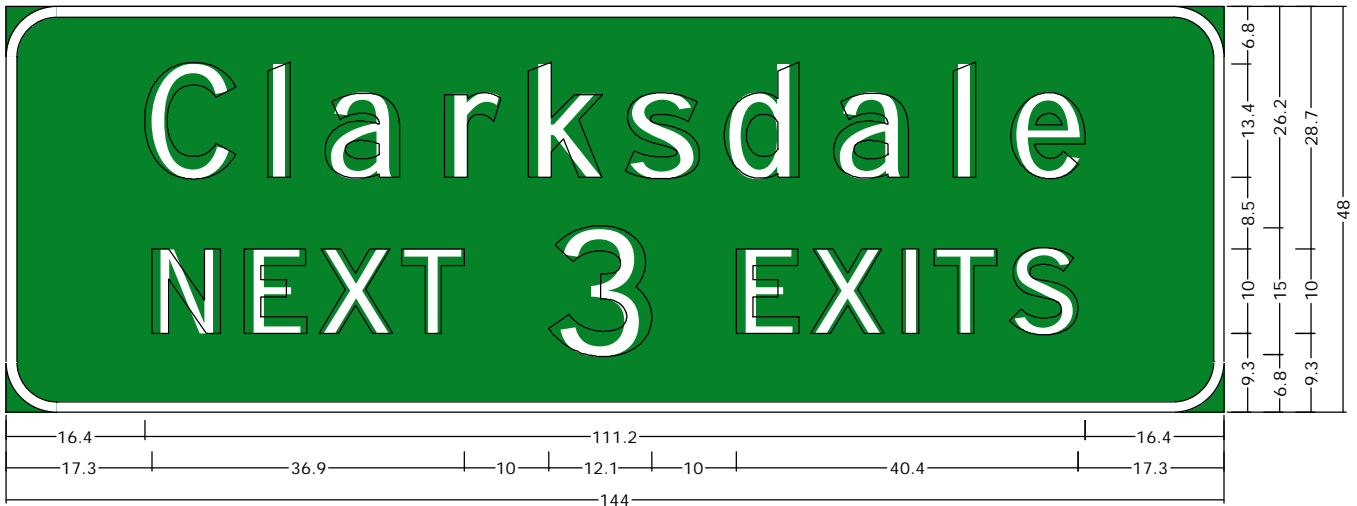
Sign 3



9.0" Radius, 1.5" Border, White on, Green;  
"Downtown", E Mod 2K; "Clarksdale", E Mod 2K; "NEXT RIGHT", E Mod 2K;

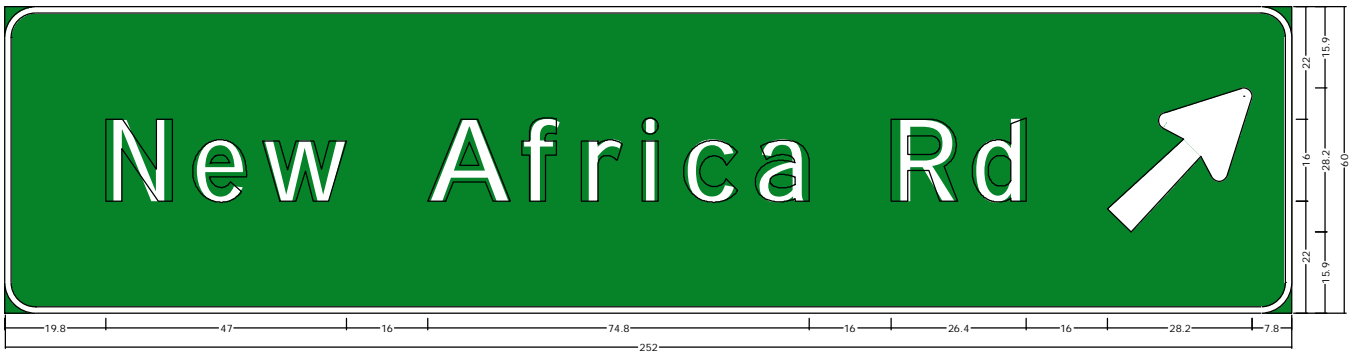


Sign 4



6.0" Radius, 1.3" Border, White on, Green;  
"Clarksdale", E Mod 2K; "NEXT 3 EXITS", E Mod 2K;

Sign 5



Sign 6

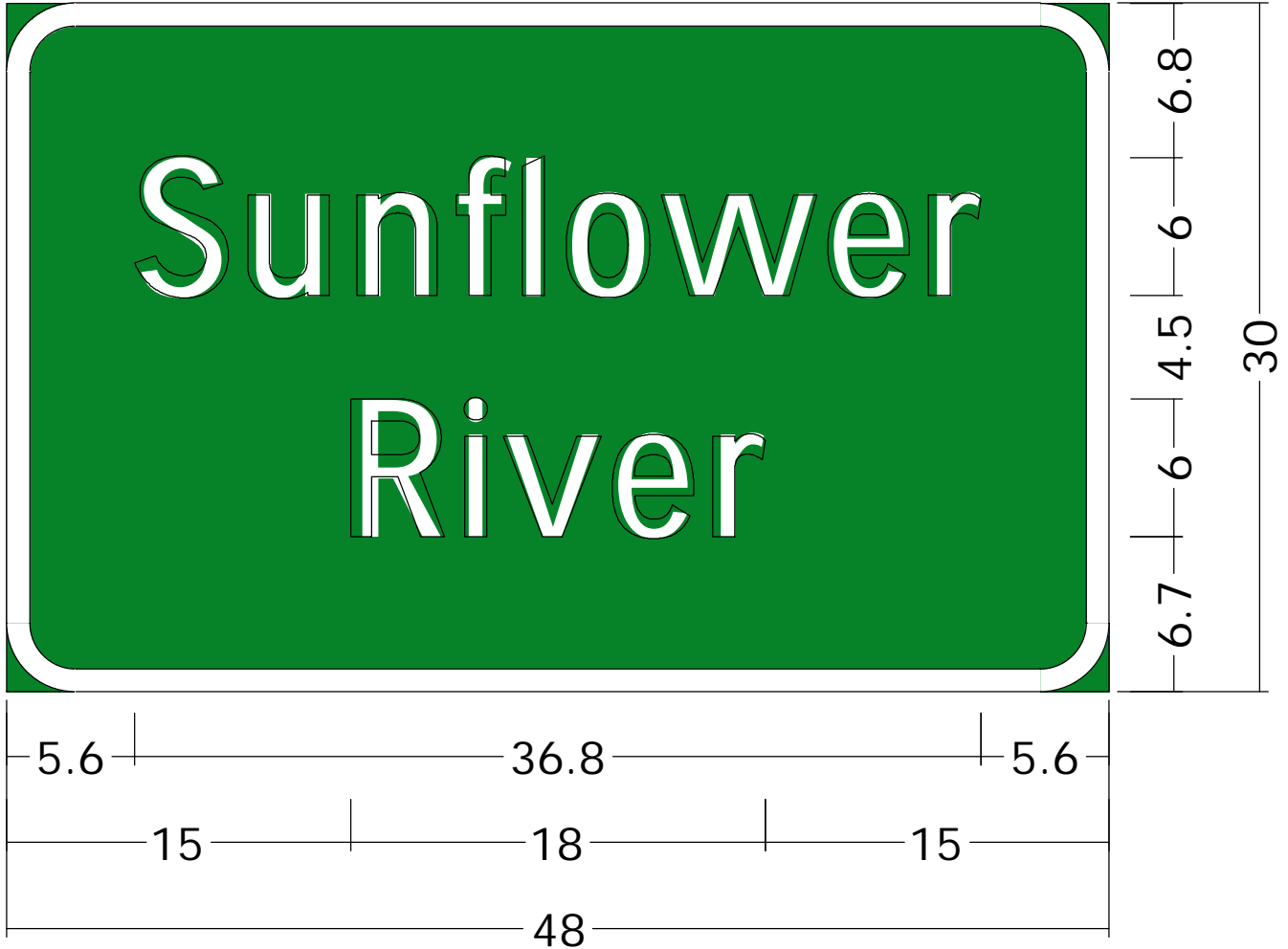


E5-1\_72x60;

6.0" Radius, 1.5" Border, White on, Green;

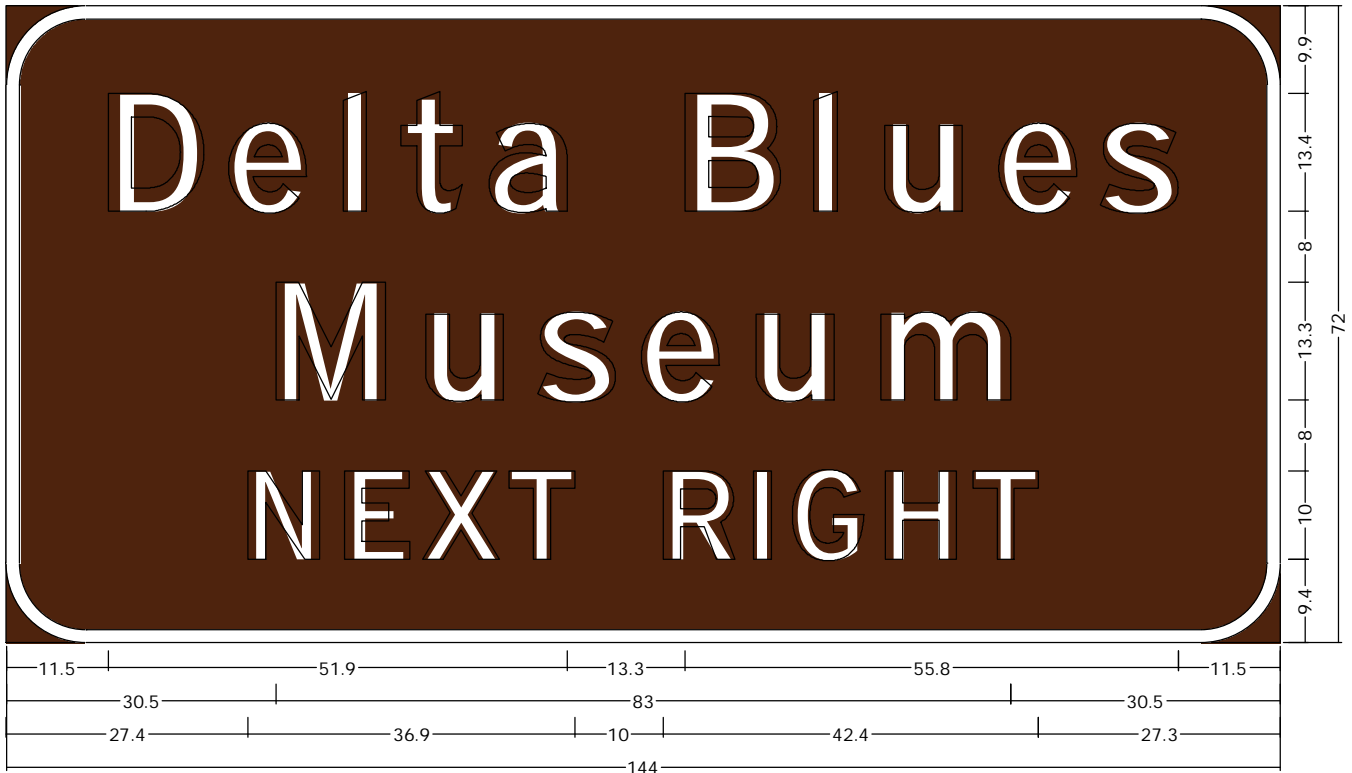
"EXIT", E 2K 220% spacing; Arrow Custom - 29.3" 45';

Sign 7



3.0" Radius, 1.0" Border, White on, Green;  
"Sunflower", D 2K; "River", D 2K;

Sign 8



9.0" Radius, 1.5" Border, White on, Brown;  
"Delta Blues", E Mod 2K; "Museum", E Mod 2K; "NEXT RIGHT", E Mod 2K;

Sign 9



12.0" Radius, 2.0" Border, White on, Green;  
"SOUTH", E Mod 2K; "Clarksdale", E Mod 2K; "Greenwood", E Mod 2K; Arrow Custom - 36.0" 35";

Sign 10

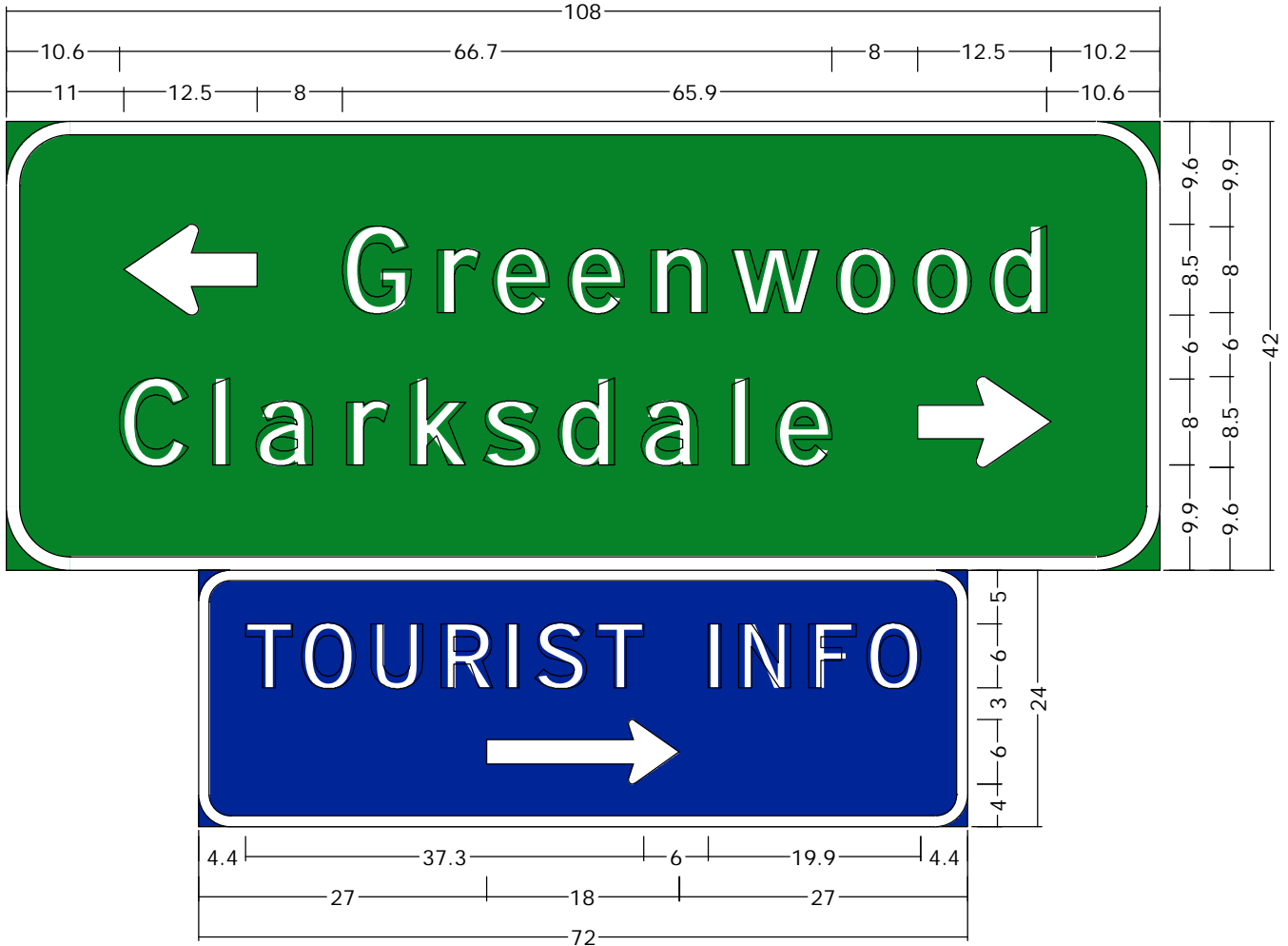


E5-1\_72x60;

6.0" Radius, 1.5" Border, White on, Green;

"EXIT", E 2K 220% spacing; Arrow Custom - 29.3" 45';

Sign 11



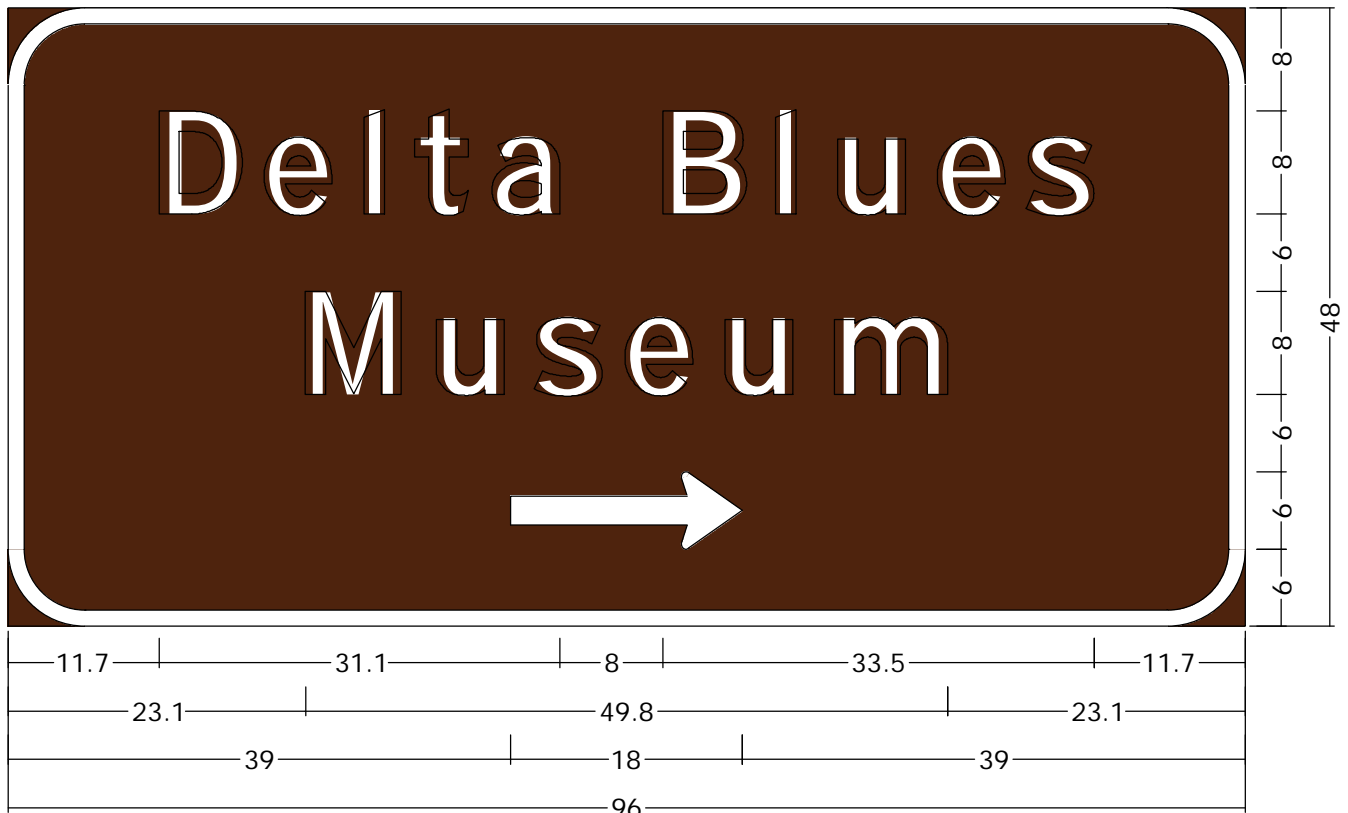
Sign 11a

6.0" Radius, 1.3" Border, White on, Green;  
Standard Arrow Custom 12.5" X 8.5" 180'; "Greenwood", E Mod 2K; "Clarksdale", E Mod 2K;  
Standard Arrow Custom 12.5" X 8.5" 0';

3.0" Radius, 1.0" Border, White on, Blue;  
"TOURIST INFO", E Mod 2K; Standard Arrow Custom 18.0" X 6.0" 0';



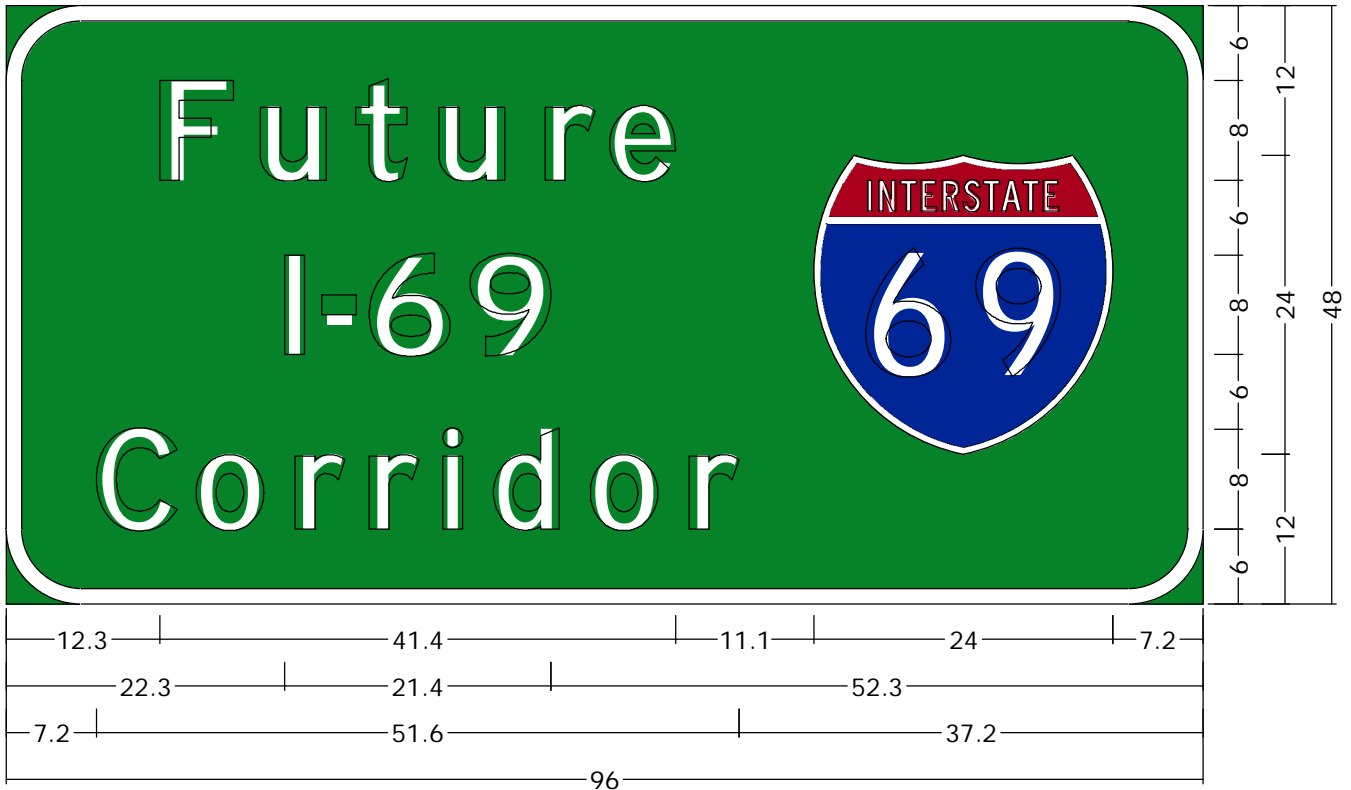
Sign 12



6.0" Radius, 1.3" Border, White on, Brown;

"Delta Blues", E Mod 2K; "Museum", E Mod 2K; Standard Arrow Custom 18.0" X 6.0" 0";

Sign 13



6.0" Radius, 1.3" Border, White on, Green;  
"Future", E Mod 2K; "I-69", E Mod 2K; "Corridor", E Mod 2K;

Sign 14



12.0" Radius, 2.0" Border, White on, Green;  
"EAST", E Mod 2K; "Clarksdale", E Mod 2K; "Batesville", E Mod 2K; "EXIT 1 MILE", E Mod 2K;

Sign 15



12.0" Radius, 2.0" Border, White on, Green;  
"EAST", E Mod 2K; "Clarksdale", E Mod 2K; "Batesville", E Mod 2K; Arrow Custom - 36.0" 45'

Sign 16

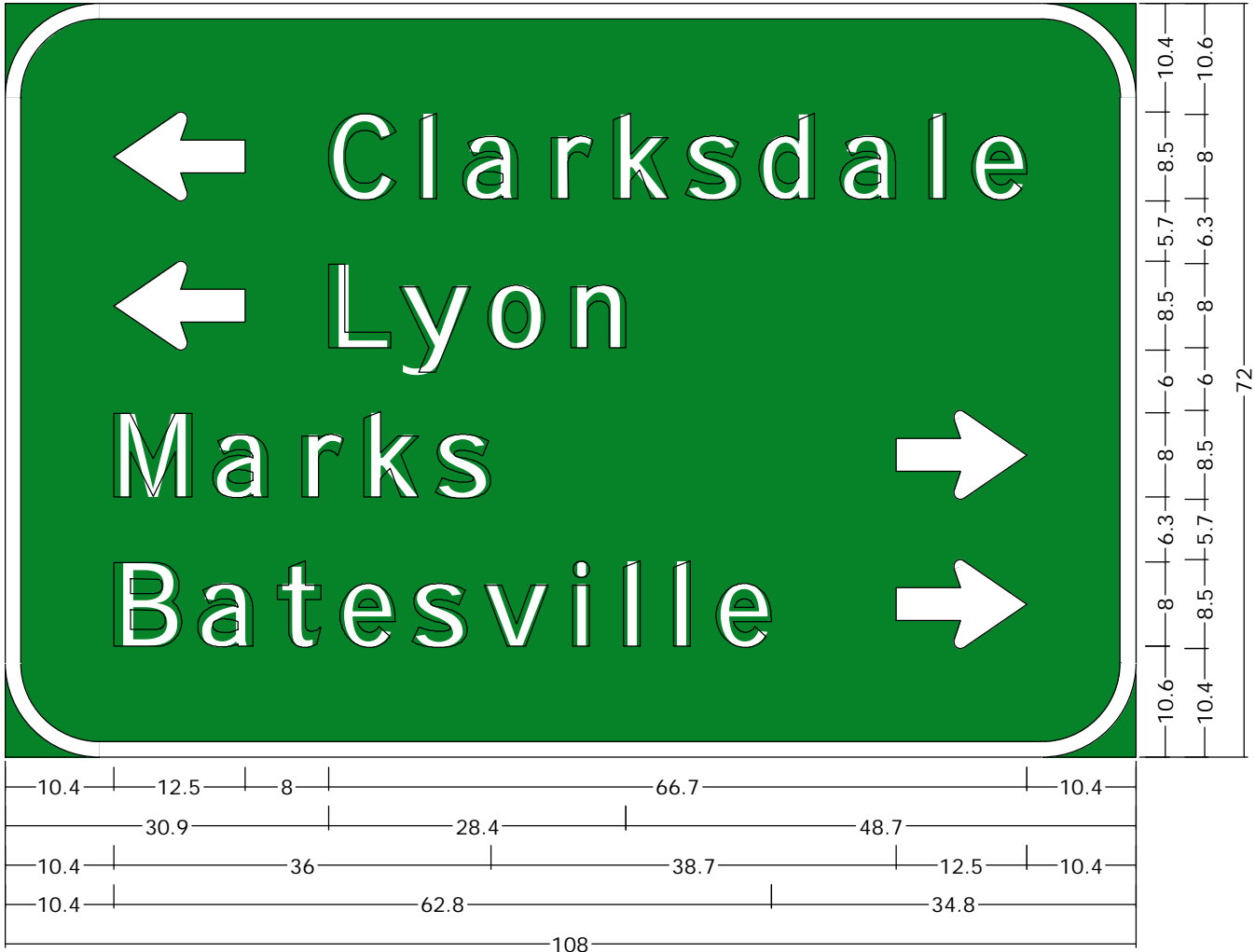


E5-1\_72x60;

6.0" Radius, 1.5" Border, White on, Green;

"EXIT", E 2K 220% spacing; Arrow Custom - 29.3" 45';

Sign 17



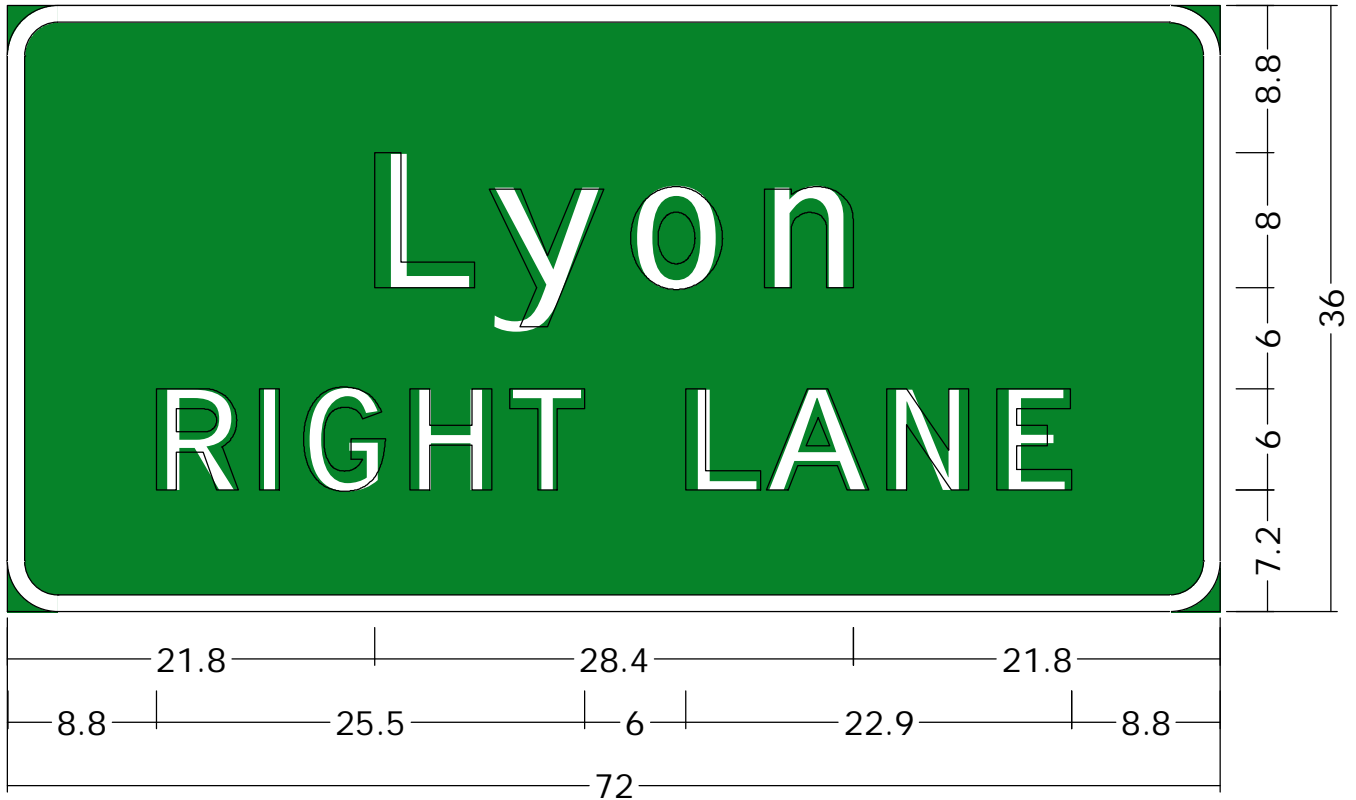
9.0" Radius, 1.5" Border, White on, Green;  
 Standard Arrow Custom 12.5" X 8.5" 180'; "Clarksdale", E Mod 2K;  
 Standard Arrow Custom 12.5" X 8.5" 180'; "Lyon", E Mod 2K; "Marks", E Mod 2K;  
 Standard Arrow Custom 12.5" X 8.5" 0'; "Batesville", E Mod 2K; Standard Arrow Custom 12.5" X 8.5" 0';

Sign 18



3.0" Radius, 1.0" Border, White on, Green;  
"Clarksdale", D 2K; "Corp Limit", D 2K;

Sign 19



3.0" Radius, 1.0" Border, White on, Green;

"Lyon", E Mod 2K; "RIGHT LANE", E Mod 2K;



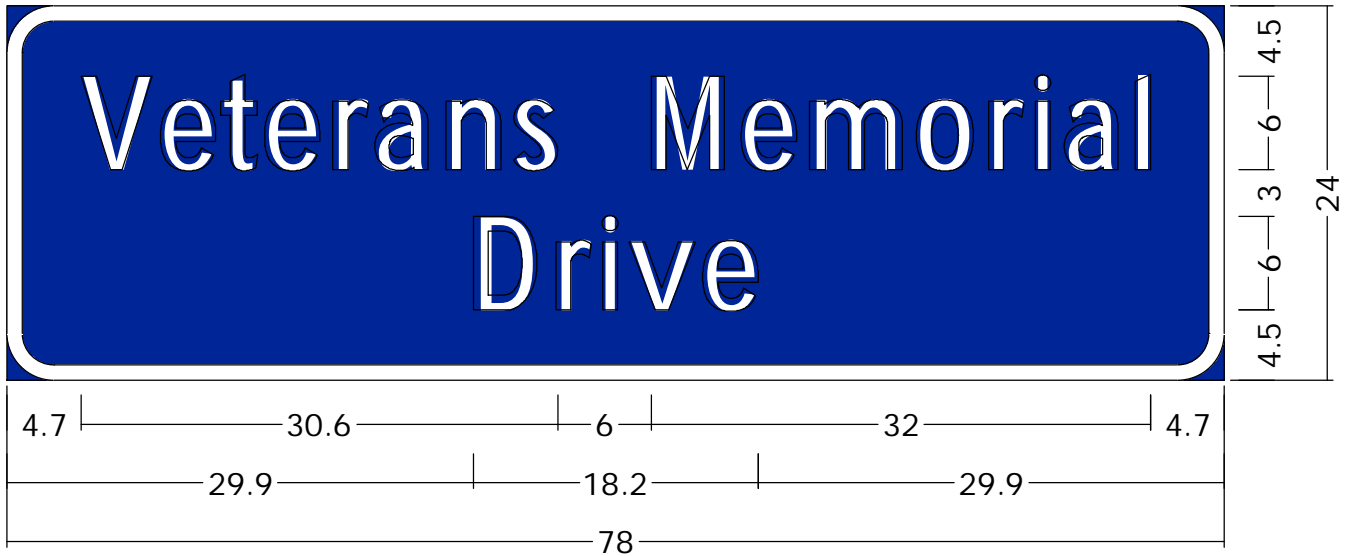
Sign 20



9.0" Radius, 1.5" Border, White on, Green;

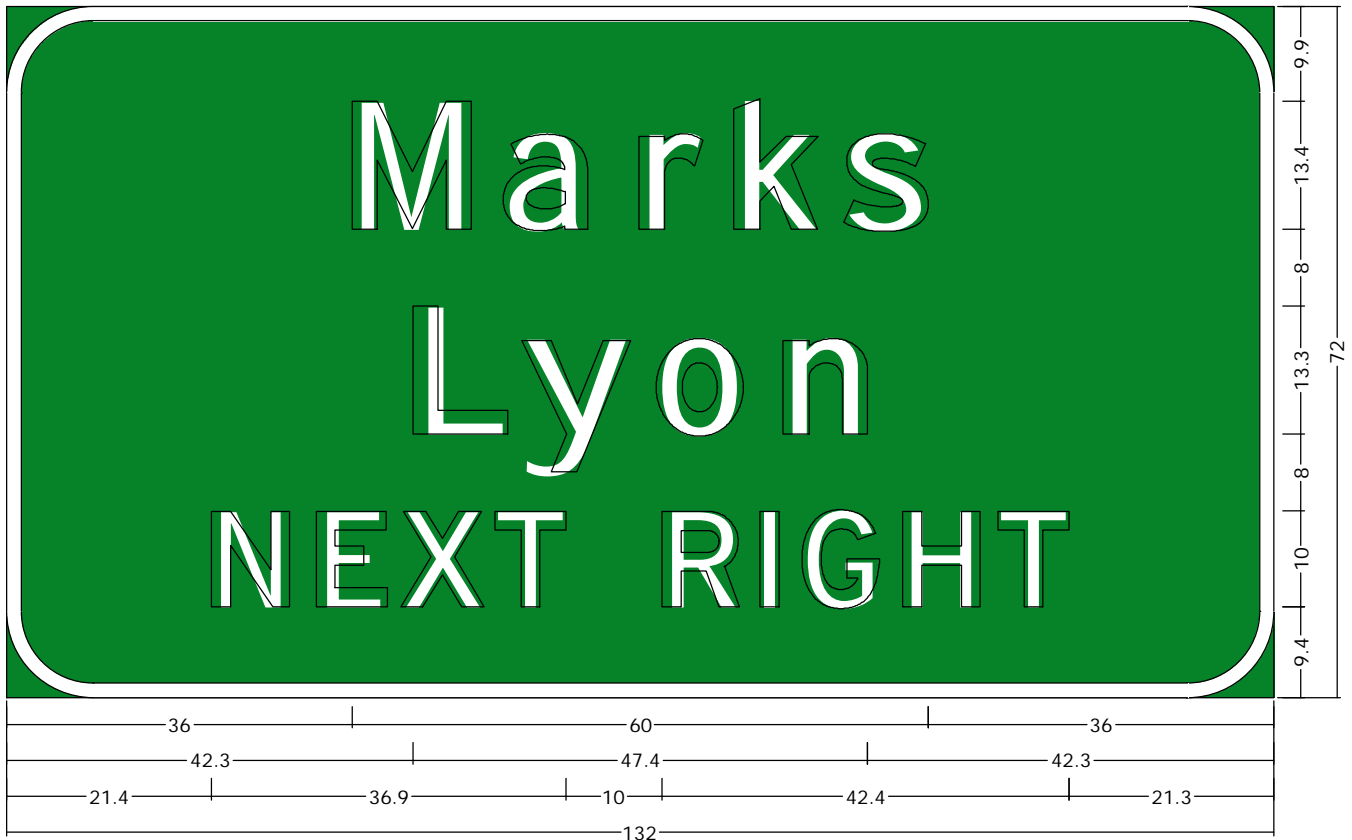
"Lyon", E Mod 2K; "N. Clarksdale", E Mod 2K; "NEXT RIGHT", E Mod 2K;

Sign 21



3.0" Radius, 1.0" Border, White on, Blue;  
"Veterans Memorial", D 2K; "Drive", D 2K;

Sign 22



9.0" Radius, 1.5" Border, White on, Green;

"Marks", E Mod 2K; "Lyon", E Mod 2K; "NEXT RIGHT", E Mod 2K;

Sign 23



12.0" Radius, 2.0" Border, White on, Green;  
"EAST", E Mod 2K; "Clarksdale", E Mod 2K; "Batesville", E Mod 2K; Arrow Custom - 36.0° 45'

Sign 24

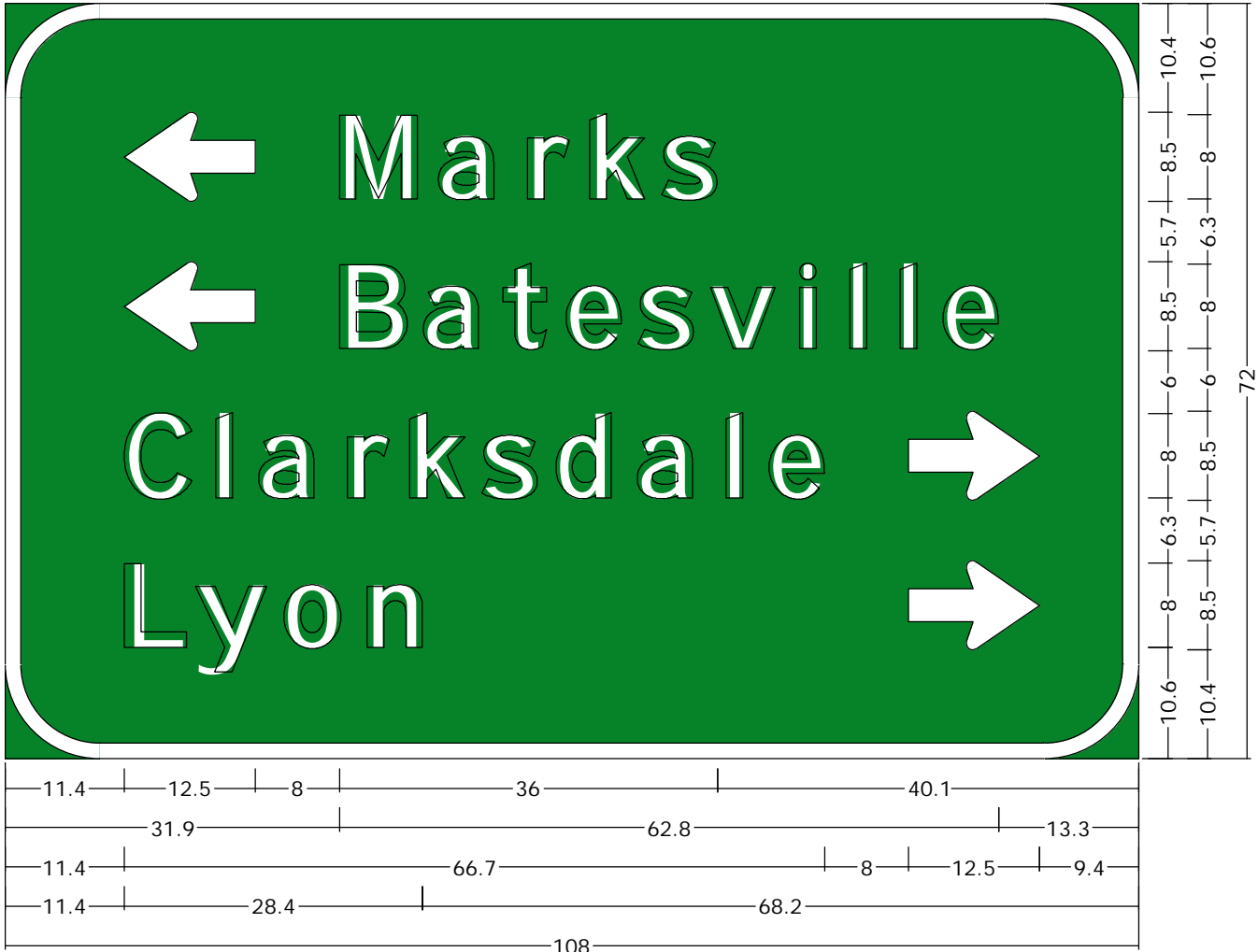


E5-1\_72x60;

6.0" Radius, 1.5" Border, White on, Green;

"EXIT", E 2K 220% spacing; Arrow Custom - 29.3" 45';

Sign 25



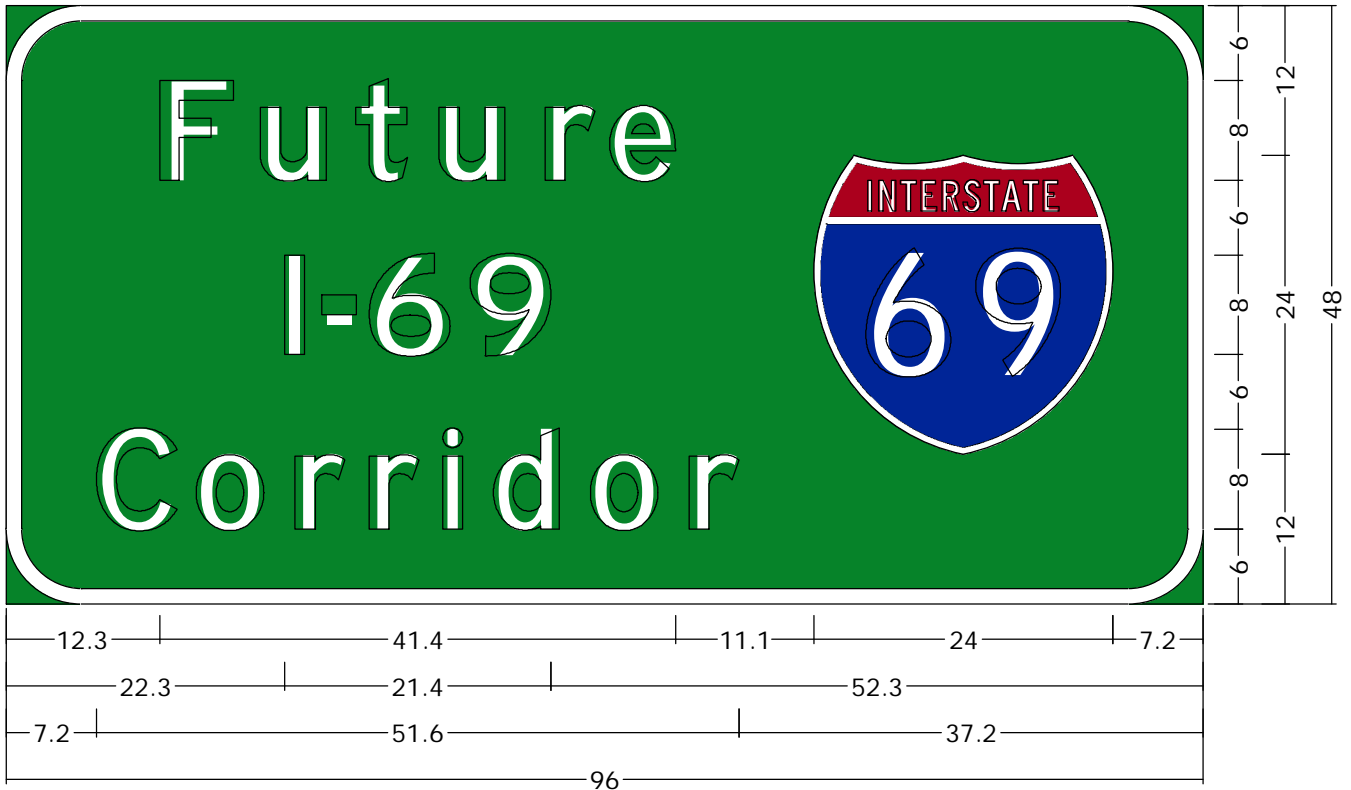
9.0" Radius, 1.5" Border, White on, Green;

Standard Arrow Custom 12.5" X 8.5" 180'; "Marks", E Mod 2K;

Standard Arrow Custom 12.5" X 8.5" 180'; "Batesville", E Mod 2K; "Clarksdale", E Mod 2K;

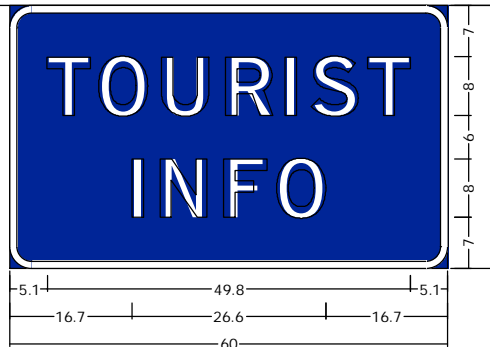
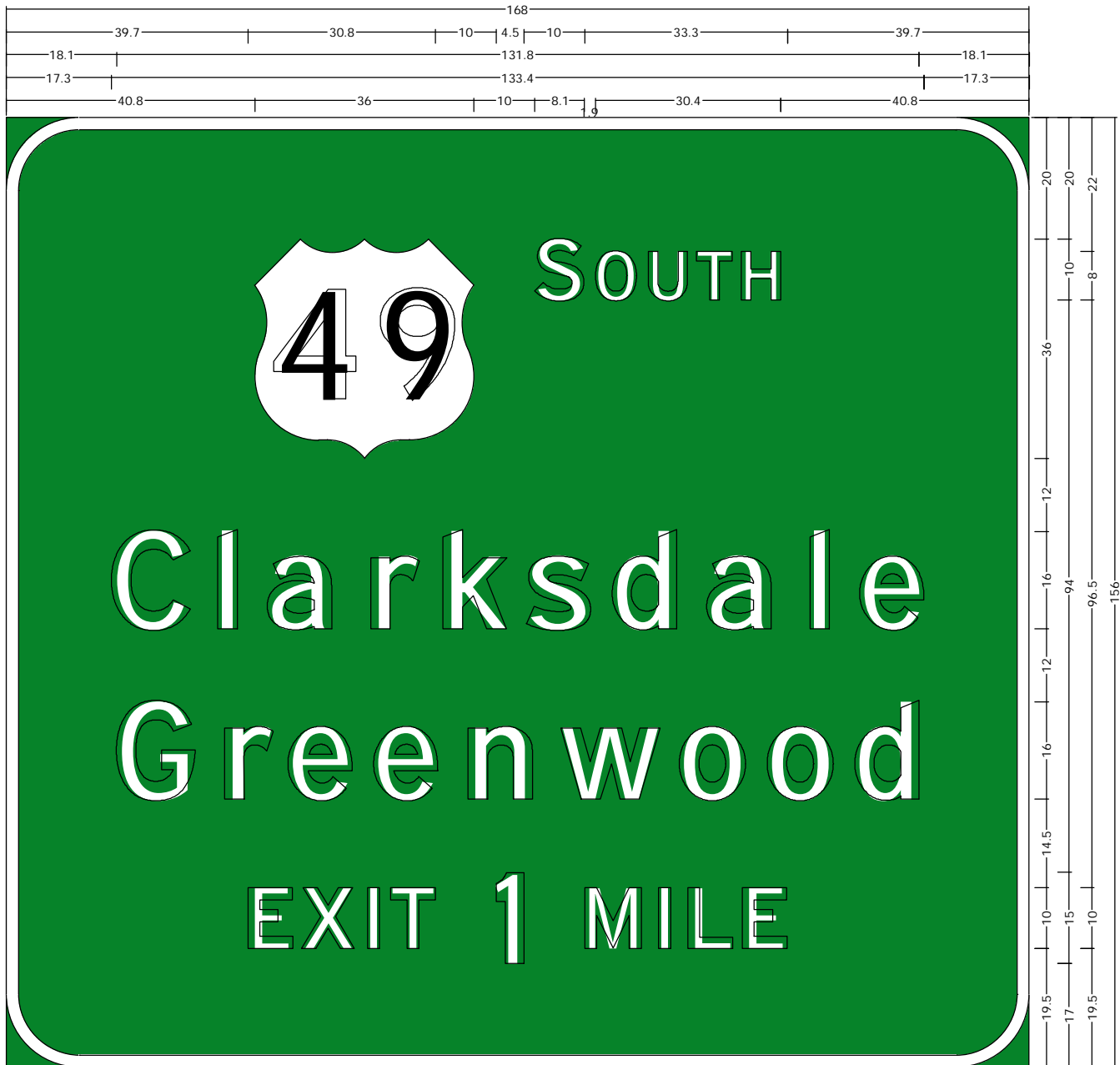
Standard Arrow Custom 12.5" X 8.5" 0'; "Lyon", E Mod 2K; Standard Arrow Custom 12.5" X 8.5" 0';

Sign 26



6.0" Radius, 1.3" Border, White on, Green;  
"Future", E Mod 2K; "I-69", E Mod 2K; "Corridor", E Mod 2K;

Sign 27



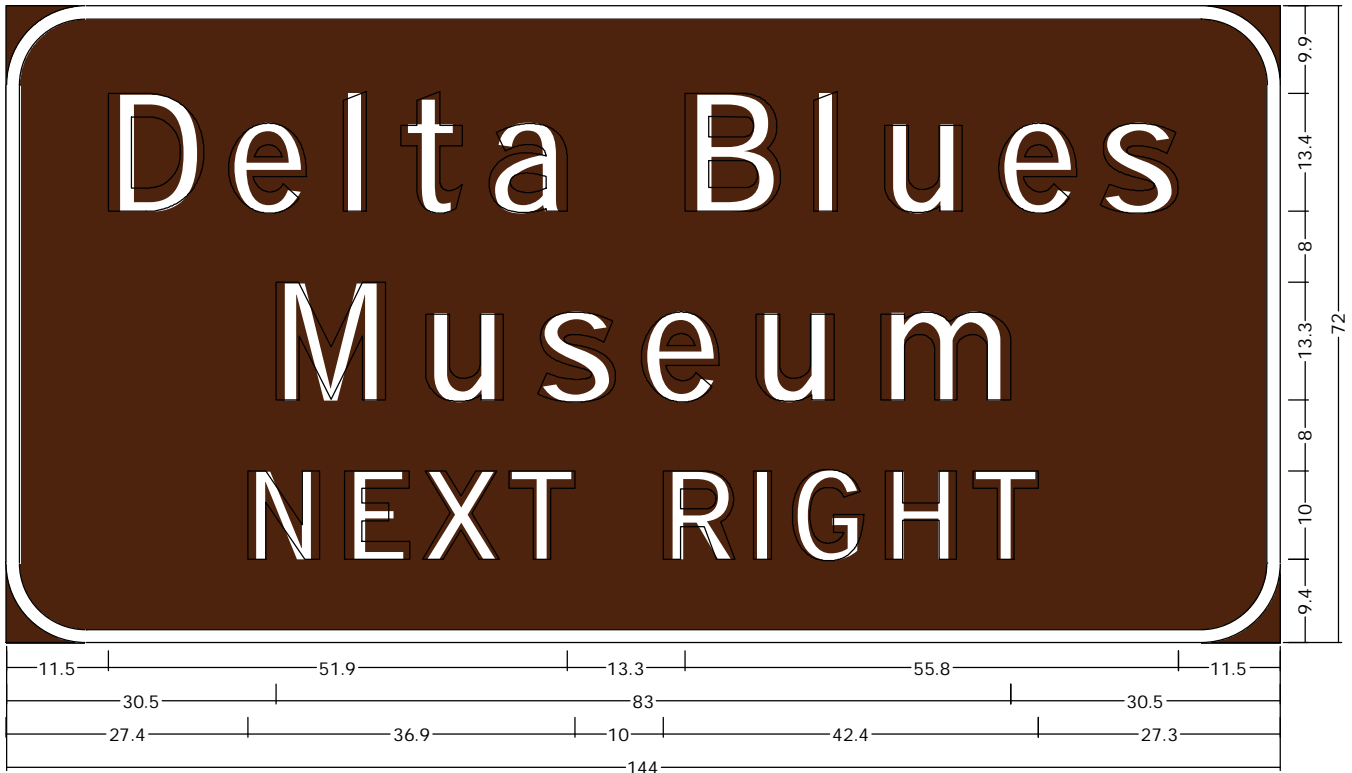
Sign 27a

12.0" Radius, 2.0" Border, White on, Green;  
 "SOUTH", E Mod 2K; "Clarksdale", E Mod 2K; "Greenwood", E Mod 2K; "EXIT 1 MILE", E Mod 2K;

3.0" Radius, 1.0" Border, White on, Blue;  
 "TOURIST", E Mod 2K; "INFO", E Mod 2K;



Sign 28



9.0" Radius, 1.5" Border, White on, Brown;  
"Delta Blues", E Mod 2K; "Museum", E Mod 2K; "NEXT RIGHT", E Mod 2K;

Sign 29



12.0" Radius, 2.0" Border, White on, Green;  
"SOUTH", E Mod 2K; "Clarksdale", E Mod 2K; "Greenwood", E Mod 2K; Arrow Custom - 36.0" 35";

Sign 30

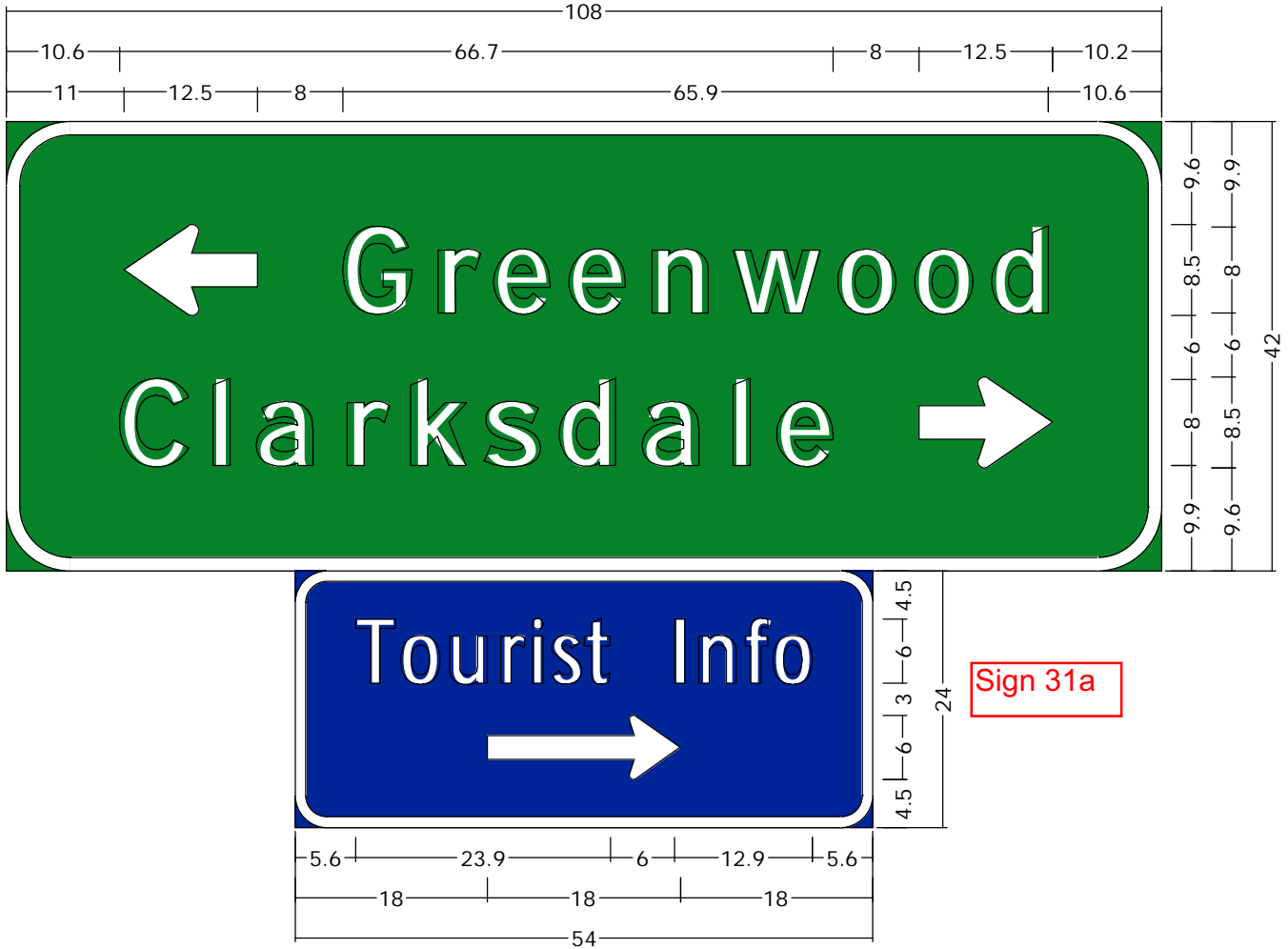


E5-1\_72x60;

6.0" Radius, 1.5" Border, White on, Green;

"EXIT", E 2K 220% spacing; Arrow Custom - 29.3" 45';

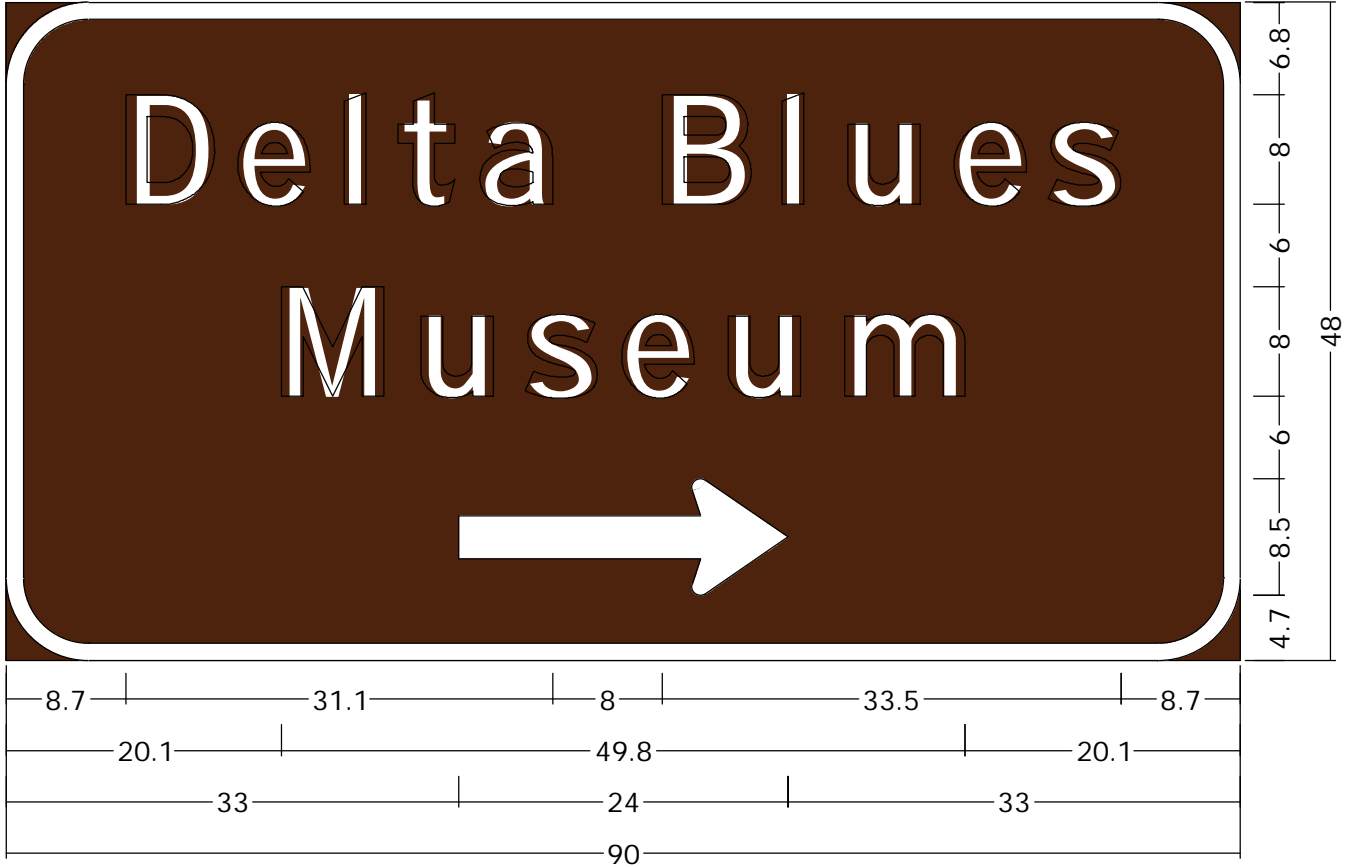
Sign 31



6.0" Radius, 1.3" Border, White on, Green;  
 Standard Arrow Custom 12.5" X 8.5" 180'; "Greenwood", E Mod 2K; "Clarksdale", E Mod 2K;  
 Standard Arrow Custom 12.5" X 8.5" 0';

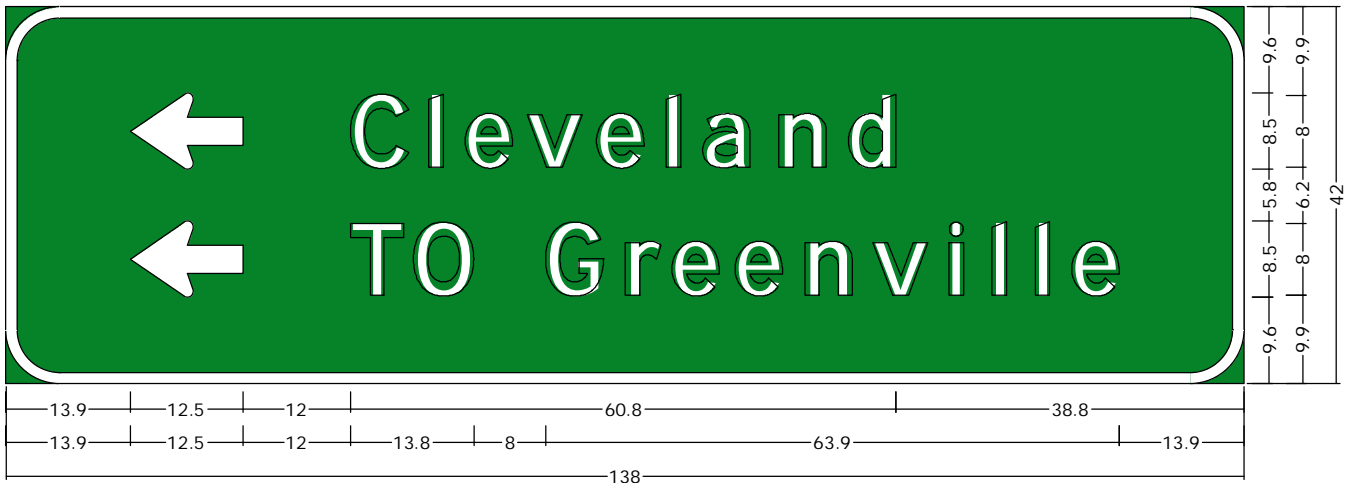
3.0" Radius, 1.0" Border, White on, Blue;  
 "Tourist Info", D 2K; Standard Arrow Custom 18.0" X 6.0" 0';

Sign 32



6.0" Radius, 1.3" Border, White on, Brown;  
"Delta Blues", E Mod 2K; "Museum", E Mod 2K;  
Standard Arrow Custom 24.0" X 8.5" 0";

Sign 33

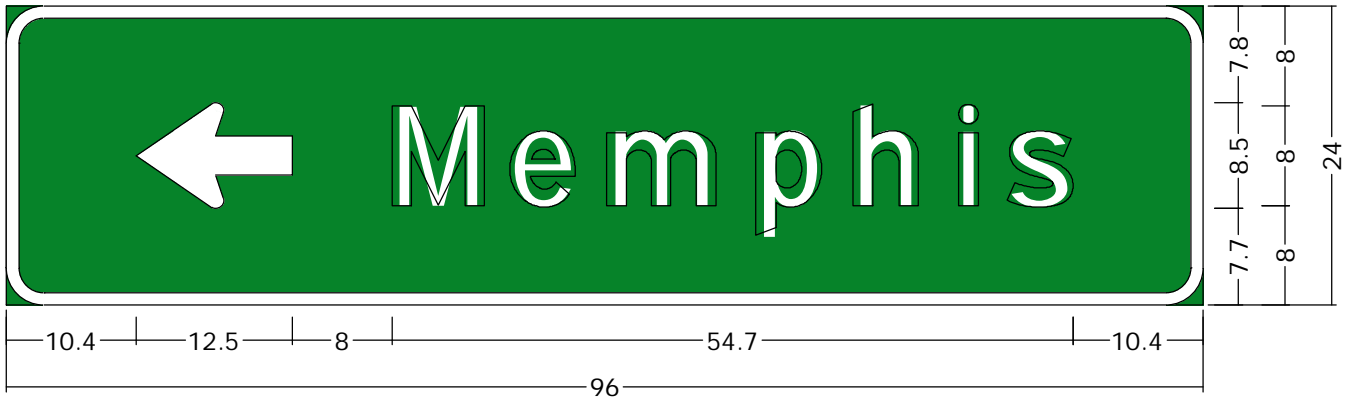


6.0" Radius, 1.3" Border, White on, Green;

Standard Arrow Custom 12.5" X 8.5" 180"; "Cleveland", E Mod 2K; Standard Arrow Custom 12.5" X 8.5" 180";

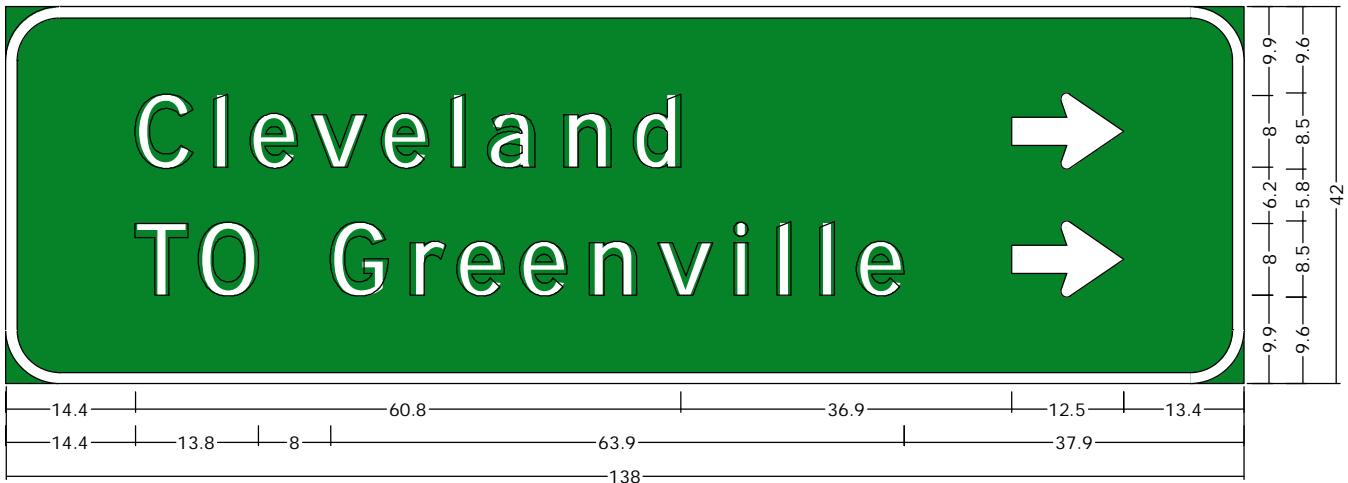
"TO Greenville", E Mod 2K;

Sign 34



3.0" Radius, 1.0" Border, White on, Green;  
Standard Arrow Custom 12.5" X 8.5" 180'; "Memphis", E Mod 2K;

Sign 35



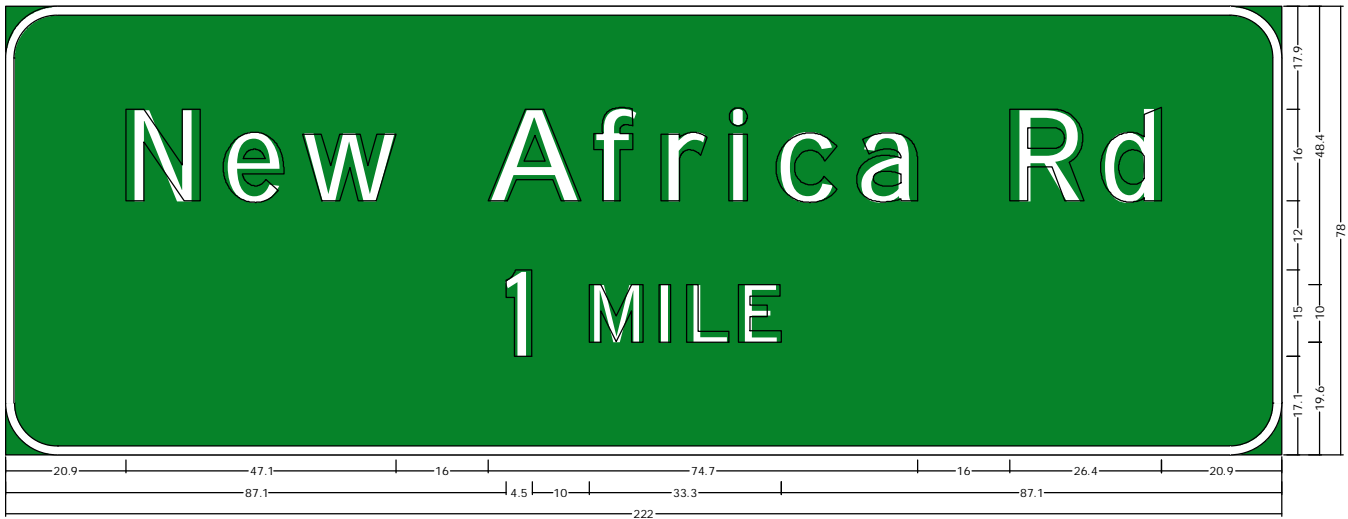
6.0" Radius, 1.3" Border, White on, Green;

"Cleveland", E Mod 2K; Standard Arrow Custom 12.5" X 8.5" 0"; "TO Greenville", E Mod 2K;

Standard Arrow Custom 12.5" X 8.5" 0";



Sign 36



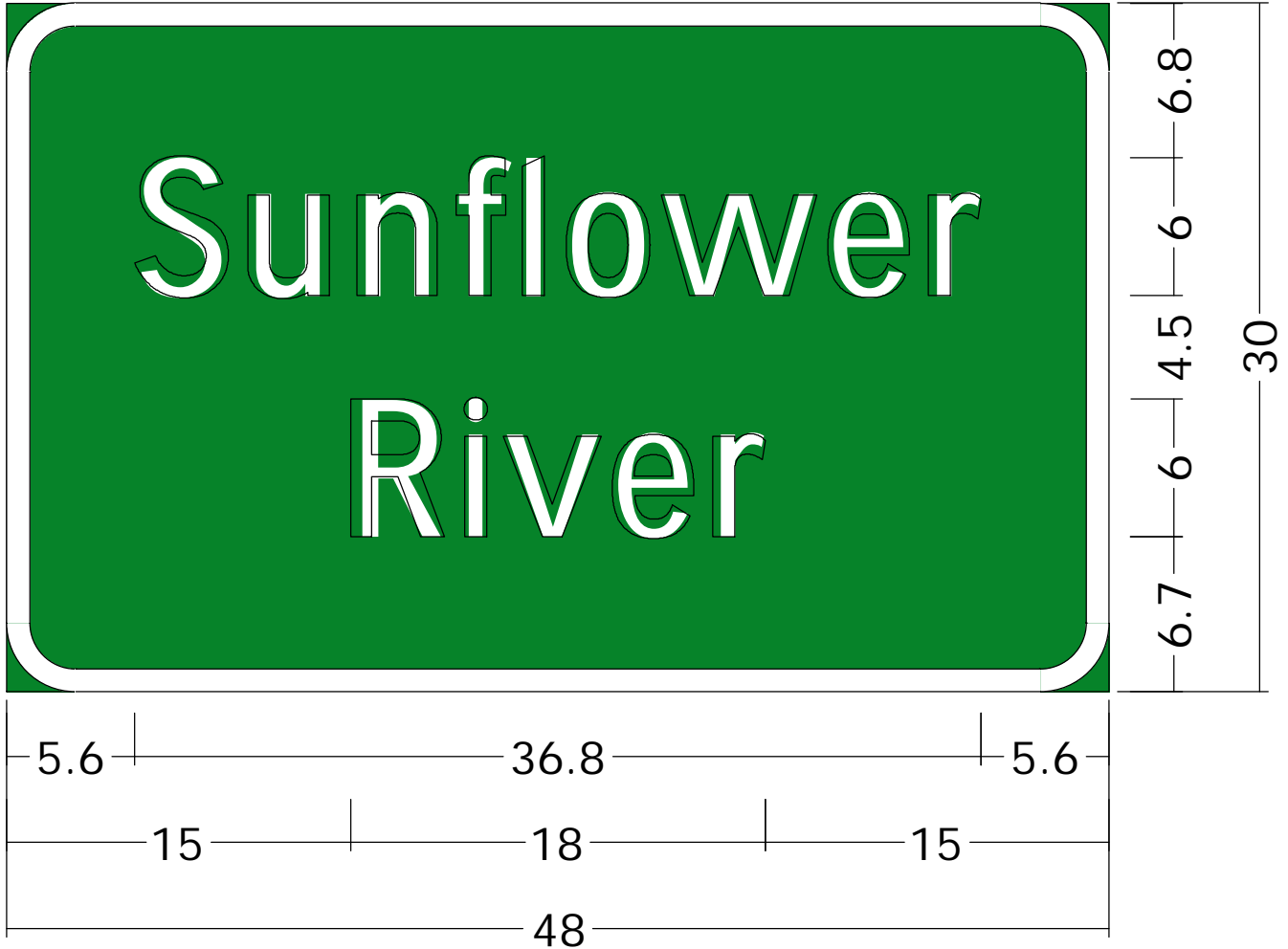
9.0" Radius, 1.5" Border, White on, Green:  
"New Africa Rd", E Mod 2K: "1 MILE", E Mod 2K:

Sign 37



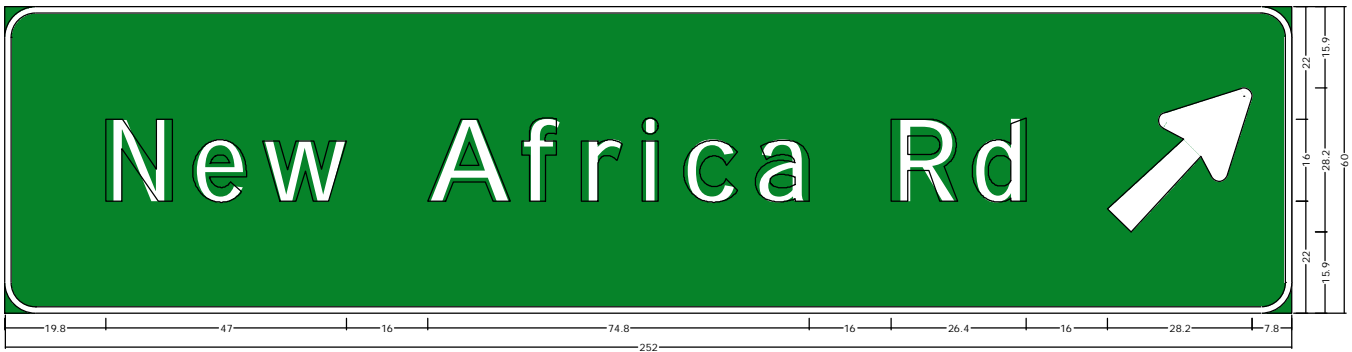
9.0" Radius, 1.5" Border, White on, Green;  
"Downtown", E Mod 2K; "Clarksdale", E Mod 2K; "NEXT RIGHT", E Mod 2K;

Sign 38



3.0" Radius, 1.0" Border, White on, Green;  
"Sunflower", D 2K; "River", D 2K;

Sign 39



6.0" Radius, 1.3" Border, White on, Green;  
"New Africa Rd", E Mod 2K; Arrow Custom - 36.0" 45;

Sign 40

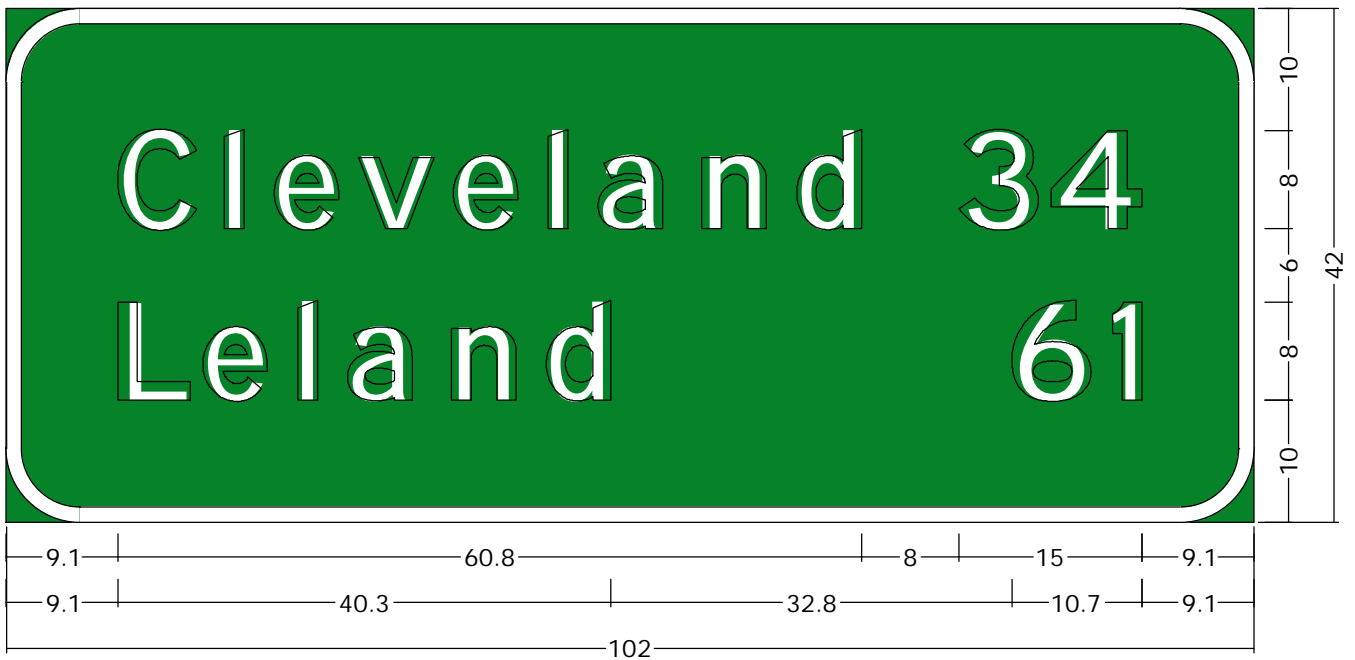


E5-1\_72x60;

6.0" Radius, 1.5" Border, White on, Green;

"EXIT", E 2K 220% spacing; Arrow Custom - 29.3" 45';

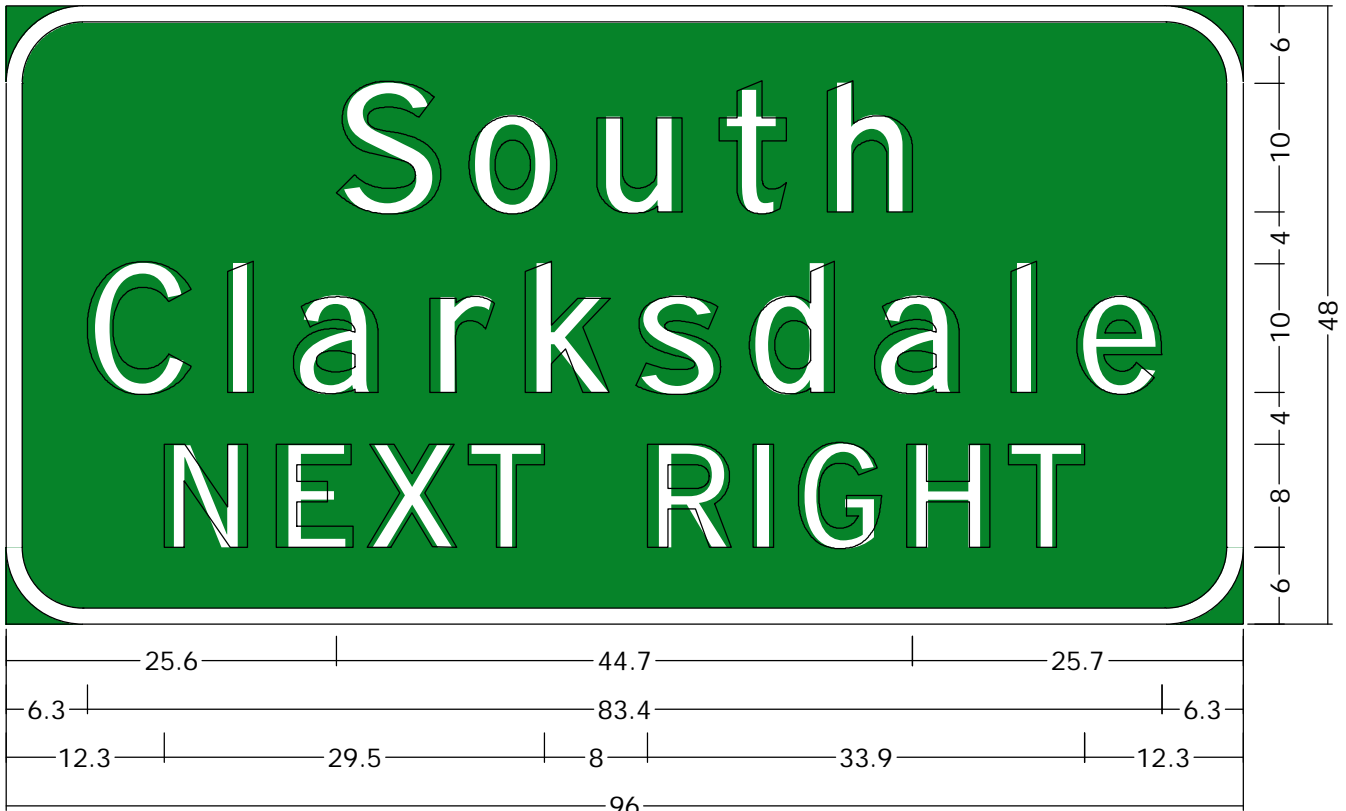
Sign 41



6.0" Radius, 1.3" Border, White on, Green;

"Cleveland", E Mod 2K; "34", E Mod 2K; "Leland", E Mod 2K; "61", E Mod 2K;

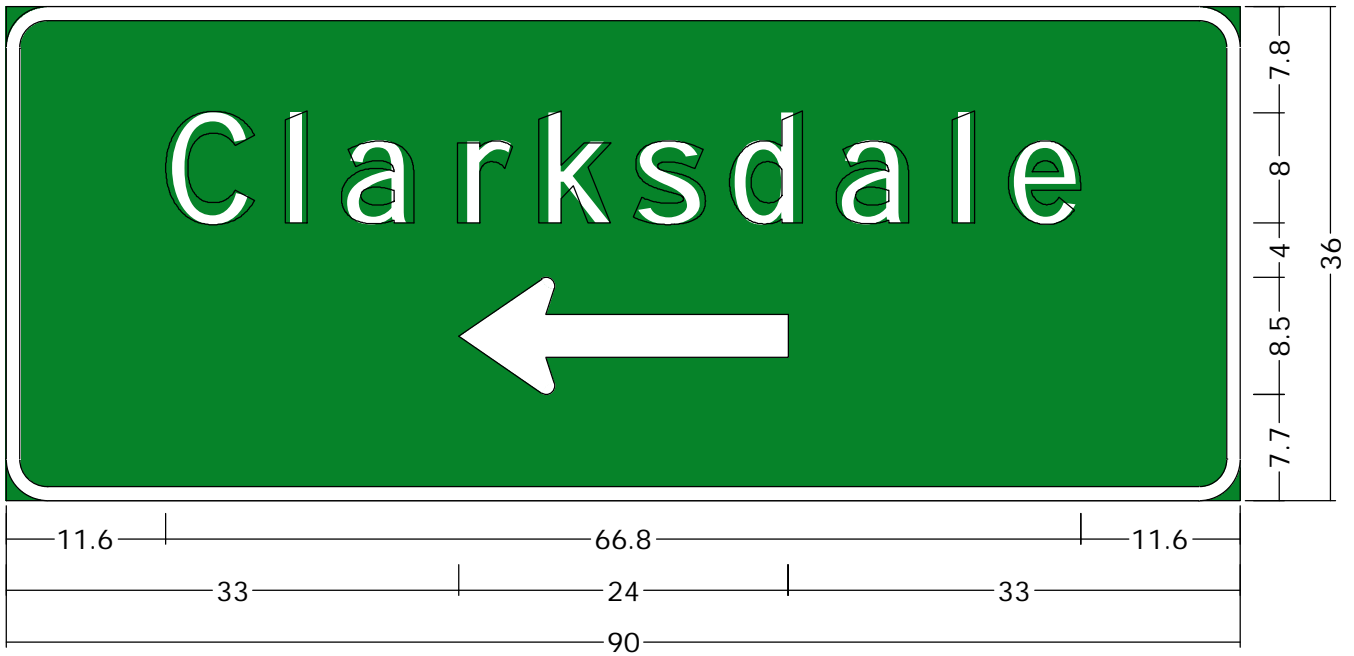
Sign 42



6.0" Radius, 1.3" Border, White on, Green;

"South", E Mod 2K; "Clarksdale", E Mod 2K; "NEXT RIGHT", E Mod 2K;

Sign 43

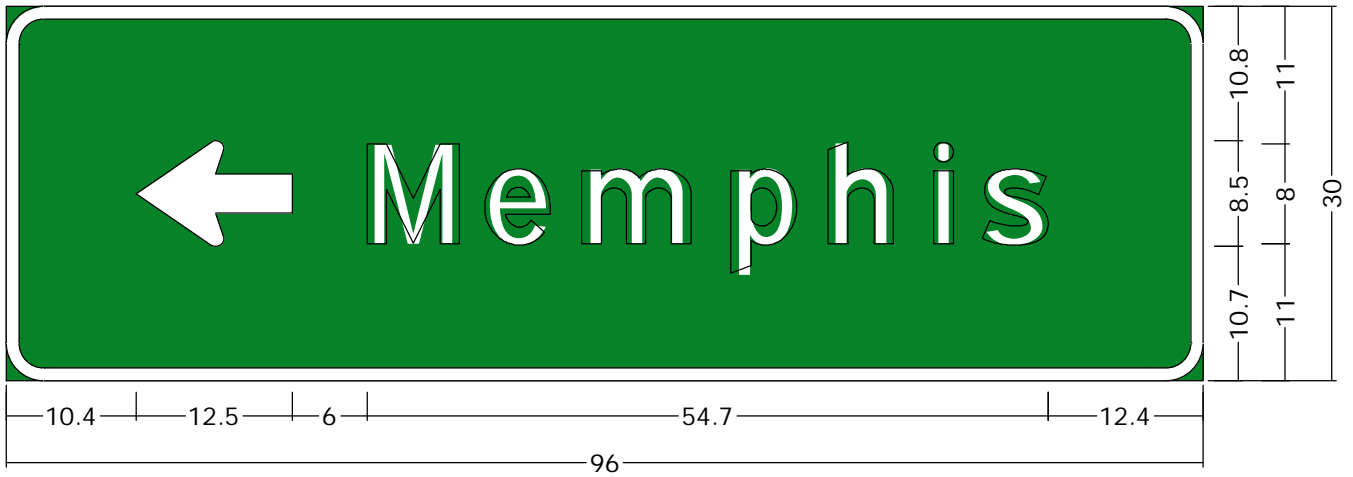


3.0" Radius, 1.0" Border, White on, Green;

"Clarksdale", E Mod 2K; Standard Arrow Custom 24.0" X 8.5" 180';

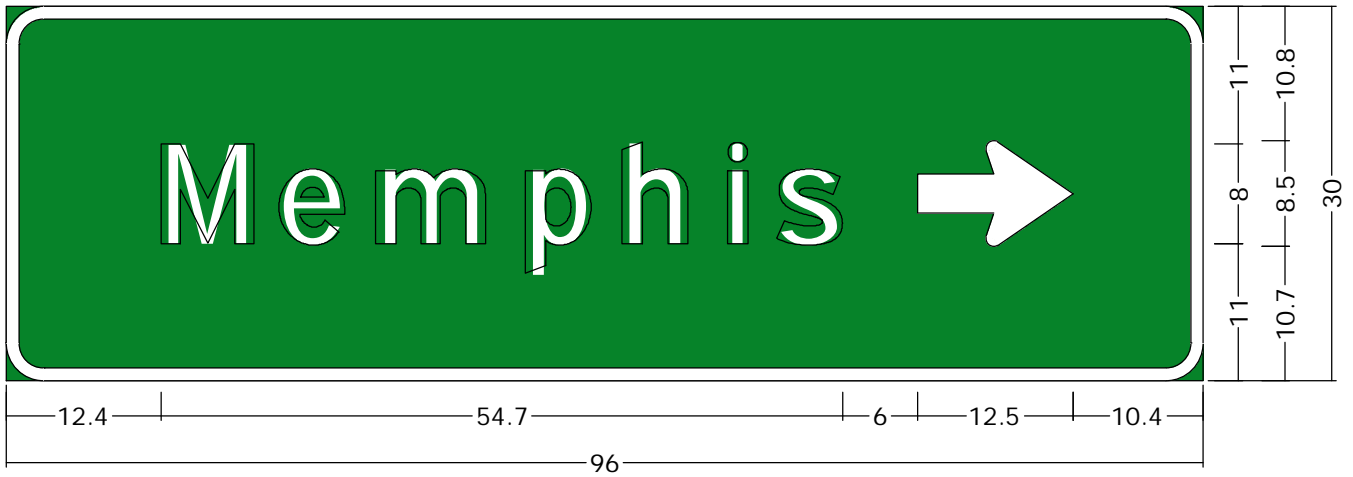


Sign 44



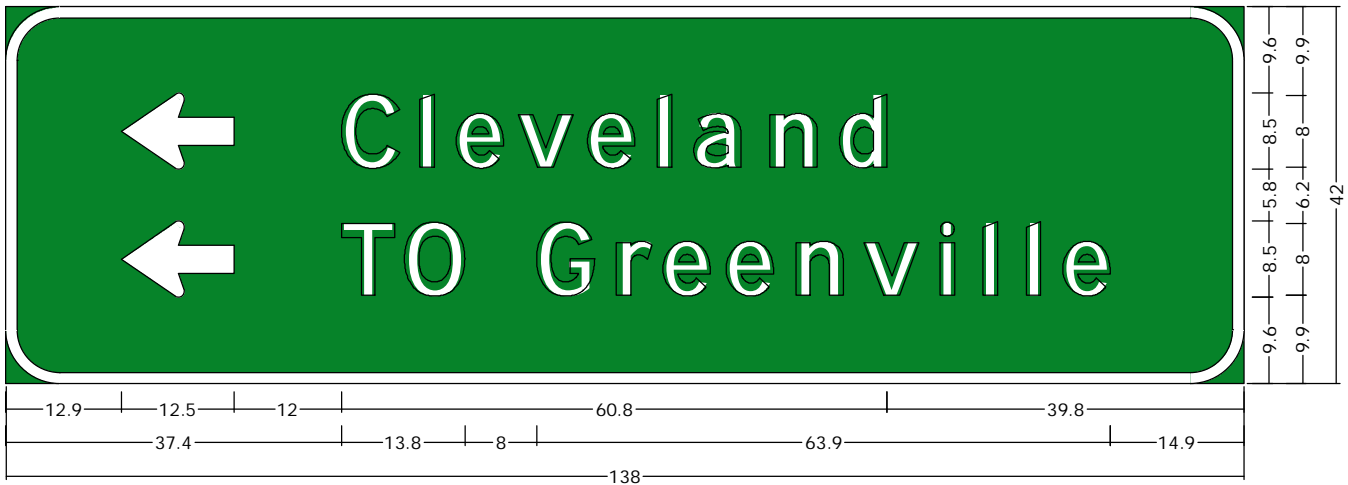
3.0" Radius, 1.0" Border, White on, Green;  
Standard Arrow Custom 12.5" X 8.5" 180'; "Memphis", E Mod 2K;

Sign 45



3.0" Radius, 1.0" Border, White on, Green;  
"Memphis", E Mod 2K; Standard Arrow Custom 12.5" X 8.5" 0';

Sign 46



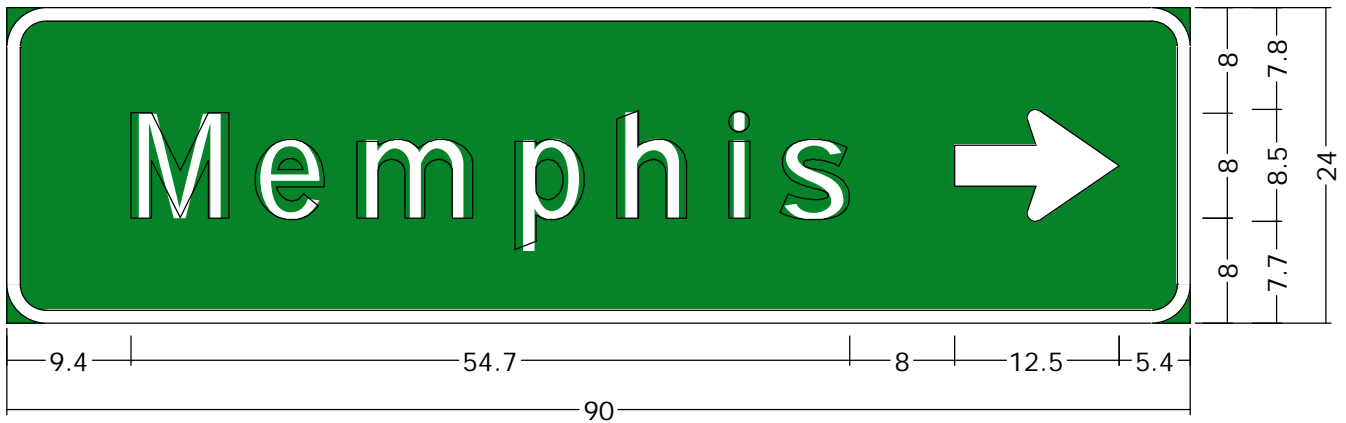
6.0" Radius, 1.3" Border, White on, Green;  
Standard Arrow Custom 12.5" X 8.5" 180"; "Cleveland", E Mod 2K; Standard Arrow Custom 12.5" X 8.5" 180";  
"TO Greenville", E Mod 2K;

Sign 47



12.0" Radius, 2.0" Border, White on, Green;  
"EAST", E Mod 2K; "Clarksdale", E Mod 2K; "Batesville", E Mod 2K; "EXIT 3/4 MILE", E Mod 2K;

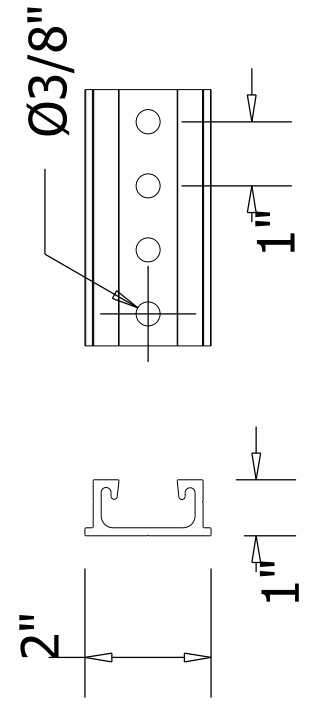
Sign 48



3.0" Radius, 1.0" Border, White on, Green;  
"Memphis", E Mod 2K; Standard Arrow Custom 12.5" X 8.5" 0';

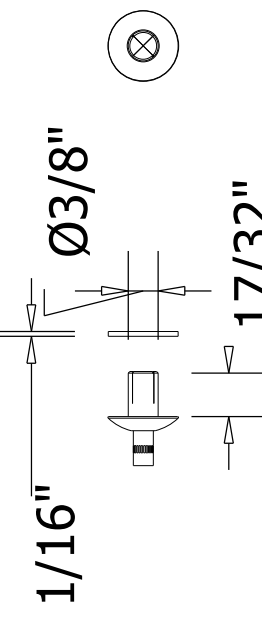
STATE	PROJECT NO.
MISS.	( )

**FLAT PANEL SIGN BRACE**



6061-T6 ALUMINUM ALLOY;  
2" MOUNTING SURFACE x  
7/8" DEPTH x 1/8" NOMINAL  
WALL THICKNESS. 3/8"  
HOLES ON 1" CENTERS,  
CENTERED ALONG ENTIRE  
LENGTH OF THE BRACE. A  
MINIMUM OF TWO HORIZONTAL  
BRACES MUST BE USED.

**SIGN DRIVE RIVET w/WASHER**

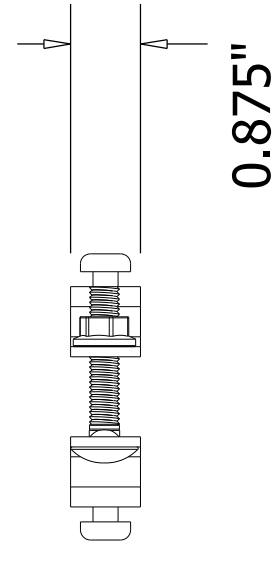


3/8" ALUMINUM SHELL / STEEL CORE RIVET  
WITH NYLON WASHER. MAXIMUM DISTANCE  
BETWEEN RIVETS SHOULD BE 12". WASHER  
MUST BE PRE-INSTALLED AND FIT INTO  
SIGN BRACE TO SECURE ALUMINUM SIGN  
PANEL. ALL EXTRUDED PANEL SIGNS SHALL  
USE 3/16"x3/8" GRIP RANGE ALUMINUM POP  
RIVETS (#66).

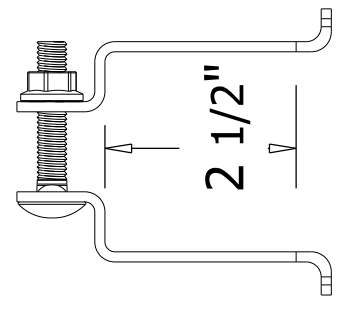
**NOTES:**

- A. CONCRETE FOOTING MUST BE 12" DIAMETER x 36" DEEP.
- B. BRASS SHIMS MAY BE USED BETWEEN SLIP PLATES TO LEVEL THE UPPER SLIP PLANE.
- C. SLIP BASE IS FHWA ACCEPTED, MEETING CURRENT AASHTO & NCHRP 350 REQUIREMENTS.
- D. SIGN BRACE CLAMPS ALLOW SIGN BRACE TO BE ADJUSTED UP, DOWN, LEFT OR RIGHT IN ORDER TO ACHIEVE PERFECT POSITION OF SIGN PANEL.
- E. USE INSTALLATION INSTRUCTION RT280U-SQ1.
- F. PRODUCT MUST MEET FHWA'S MADE IN AMERICA CLAUSE.
- G. PAID BY LENGTH OF POST, 36" STUB TO BE ABSORBED.

**EXTRUDED PANEL SIGN CLAMP**



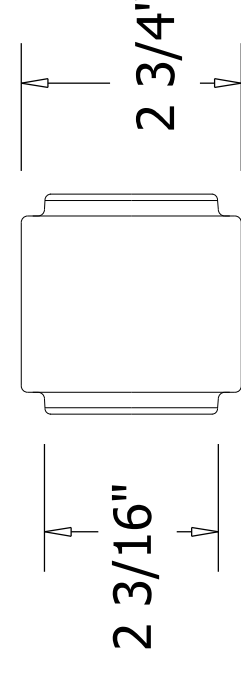
0.875"



2 1/2"

MATERIALS: 1.4" WIDE x 11ga. TYPE 304, #2B FINISHED STAINLESS STEEL BRACKET. INCLUDES STAINLESS STEEL 3/8"-16 x 2" CARRIAGE BOLT AND SERRATED FLANGED NUT. ONE CLAMP REQUIRED FOR EACH BRACE TO POST JUNCTION.

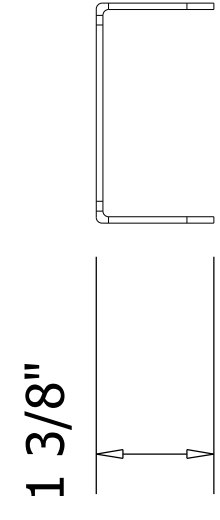
**POST CAP**



2 3/16"

2 3/4"

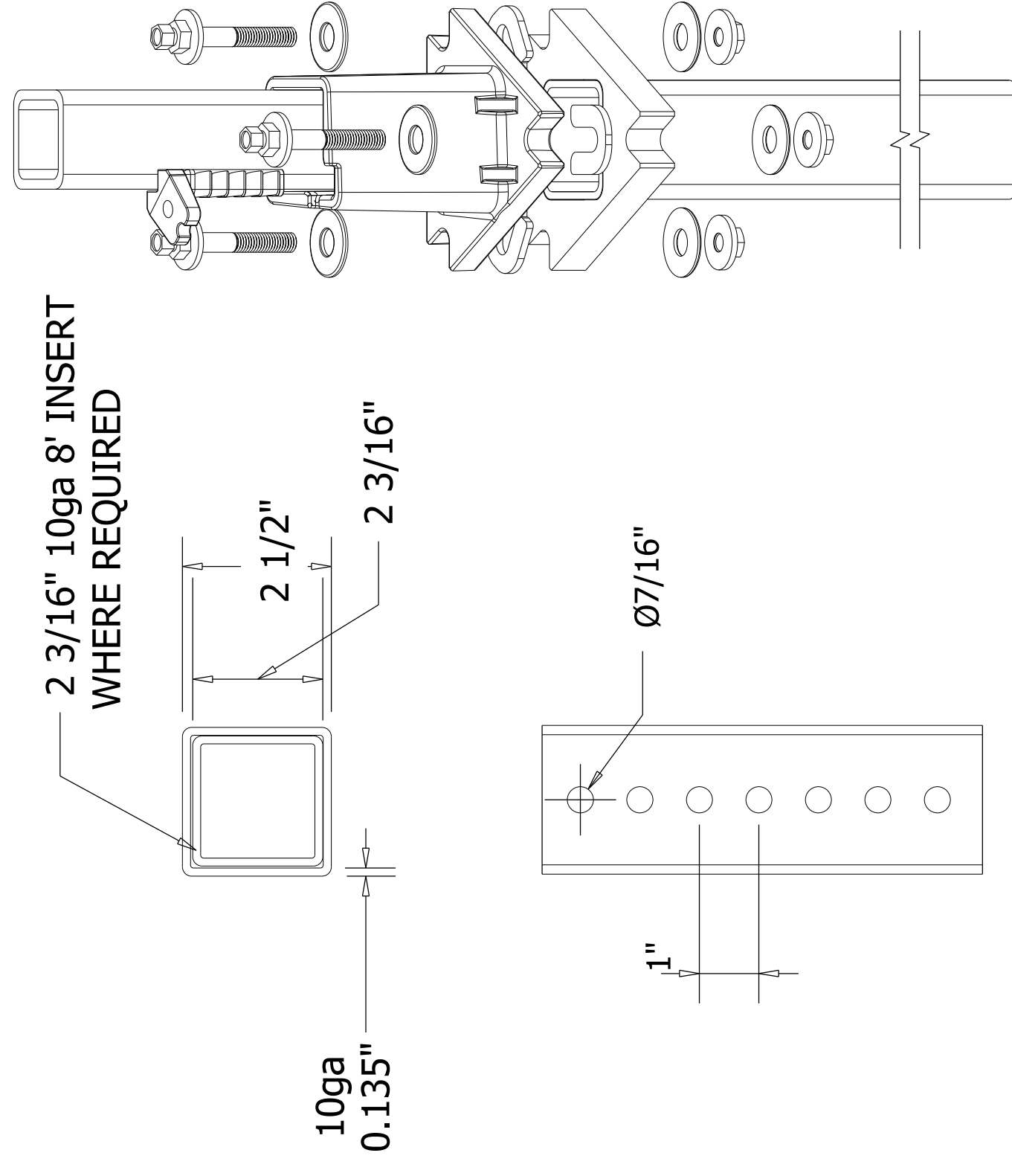
2 1/2"



1 3/8"

MADE OF 16GA PREGALVANIZED STEEL WITH AN ID CAPABLE OF FITTING INTO THE INSIDE OF A 2-1/2" SQUARE STEEL POST WITHOUT ANY FASTENERS. A CAST ALUMINUM FRICTION FIT CAP MAY ALSO BE USED.

**SIGN POSTS**



10ga  
0.135"

2 3/16" 10ga 8' INSERT  
WHERE REQUIRED

2 1/2"

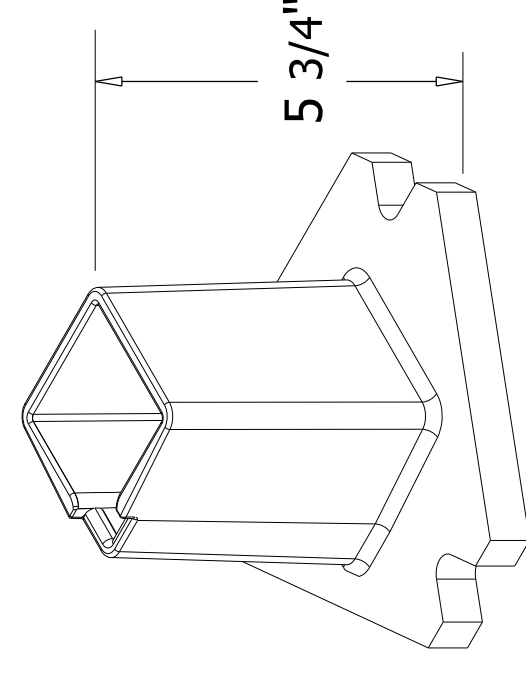
2 3/16"

Ø7/16"

1"

**example slip  
base assembly  
(detailed below)**

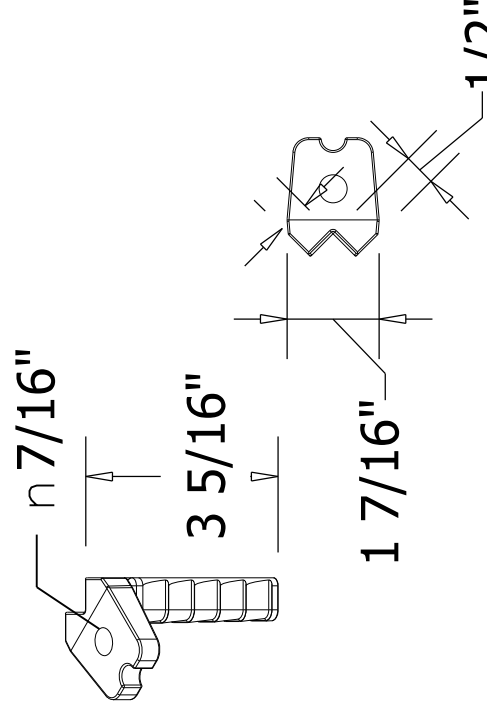
**2-1/2" SQUARE POST RECEIVER**



5 3/4"

RECEIVER TO BE CAST FROM DUCTILE IRON ASTM A536 CLASS 65-45-12. GALVANIZED PER ASTM A153.

**POST LOCKING WEDGE**



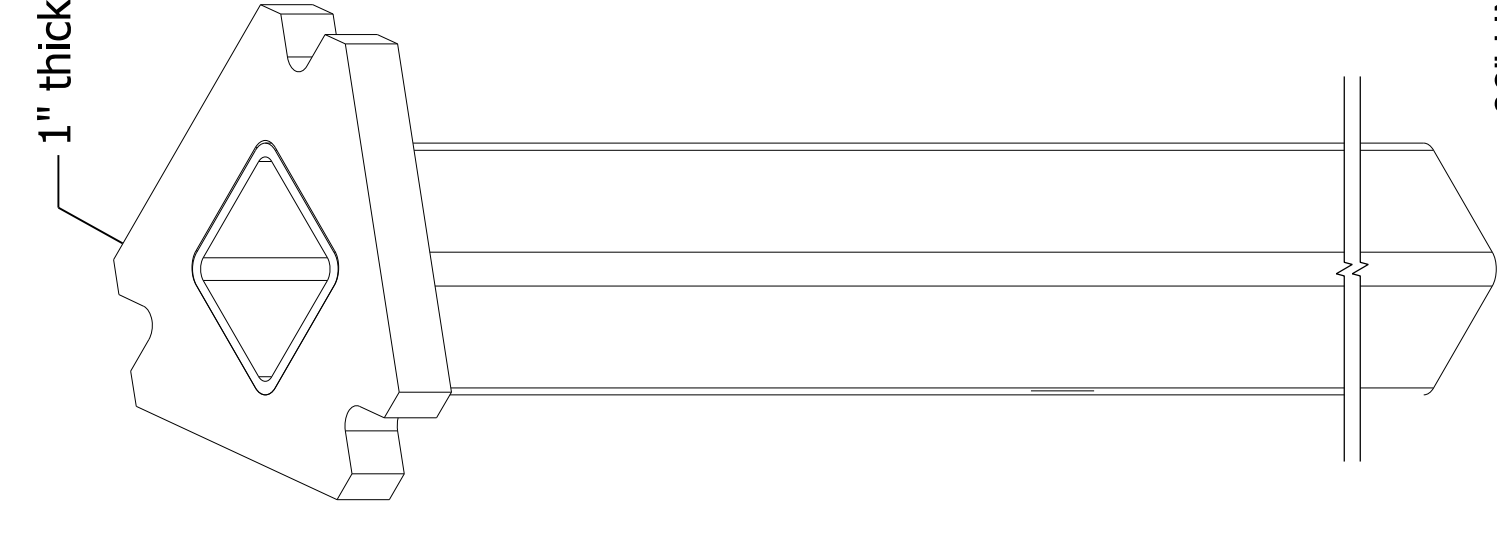
7/16"

3 5/16"

1 7/16"

LOCKING WEDGE FORGED FROM SAE 1035 STEEL AND GALVANIZED PER ASTM A153.

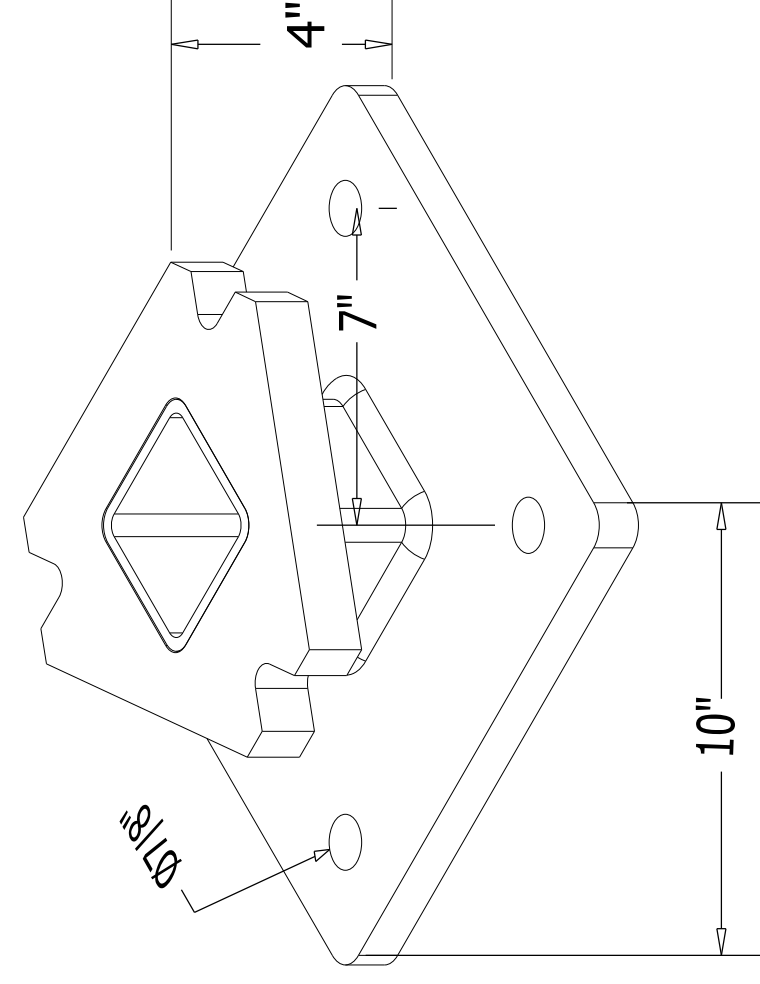
**UNIBASE ANCHOR STUB**



1" thick

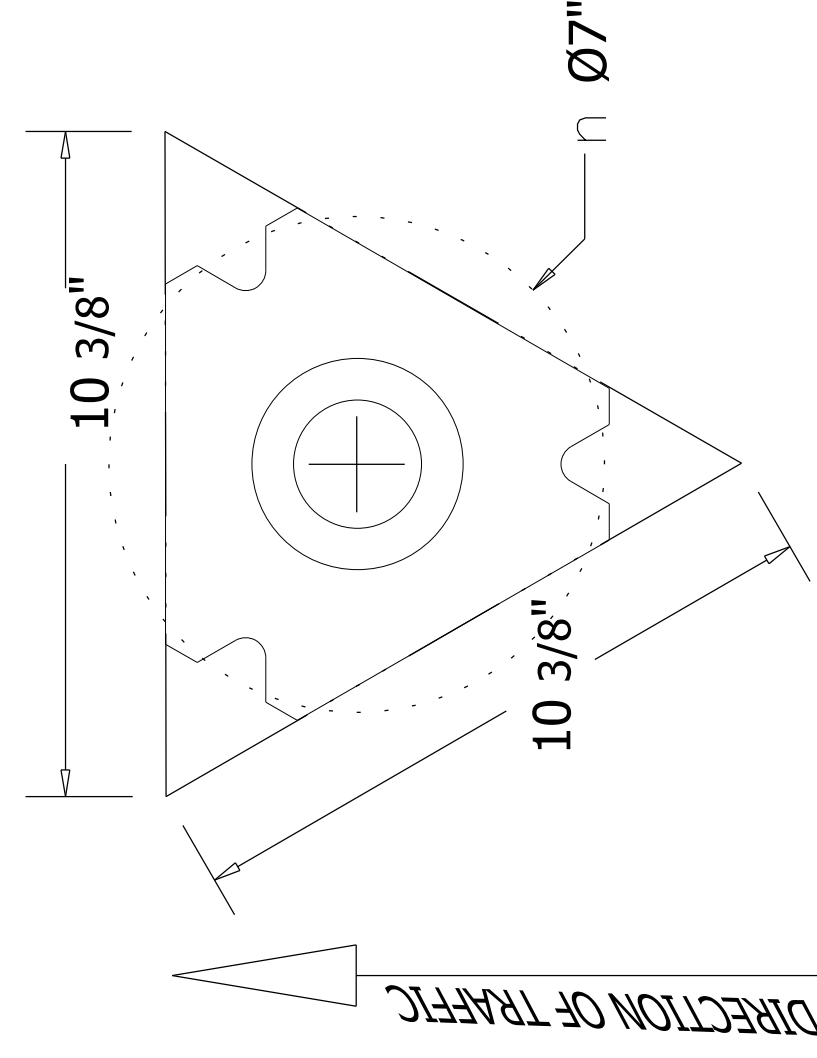
36" UNIBASE ANCHOR A500 GRADE B TUBE WELDED TO A572 SLIP PLATE. GALVANIZED PER ASTM A153.

**SURFACE MOUNT BASE**



RECEIVER TO BE CAST FROM DUCTILE IRON ASTM A536 CLASS 65-45-12. GALVANIZED PER ASTM A153.

**SLIP PLATE DIMENSION**



10 3/8"

Ø7"

DIRECTION OF TRAFFIC

SIGN CENTROID	2-1/2" x 10ga PSST	2-1/2" x 10ga & 2-3/16" x 10ga inserted PSST	Sign Bracing**
16'	24.82	43.46	18" maximum distance between braces
15'	26.48	46.36	18" maximum distance between braces
14'	28.38	49.66	18" maximum distance between braces
13'	30.56	53.48	18" maximum distance between braces
12'	33.10	57.94	18" maximum distance between braces
11'	36.12	63.20	18" maximum distance between braces

\* based on two legs per sign  
\*\* Minimum of two braces per flat panel sign  
NOTE: Sign area is in square feet.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION		SIGN SUPPORT HARDWARE	
2.5" SQUARE POST		PROJ. NO.:	( )
2.5" SQUARE POST		COUNTY:	( )
DATE	DESIGN TEAM	FILENAME: TSS-1.DGN	DATE: MAY 2021
BY	REVISION	WORKING NUMBER	TSS-1
		SHEET NUMBER	( )

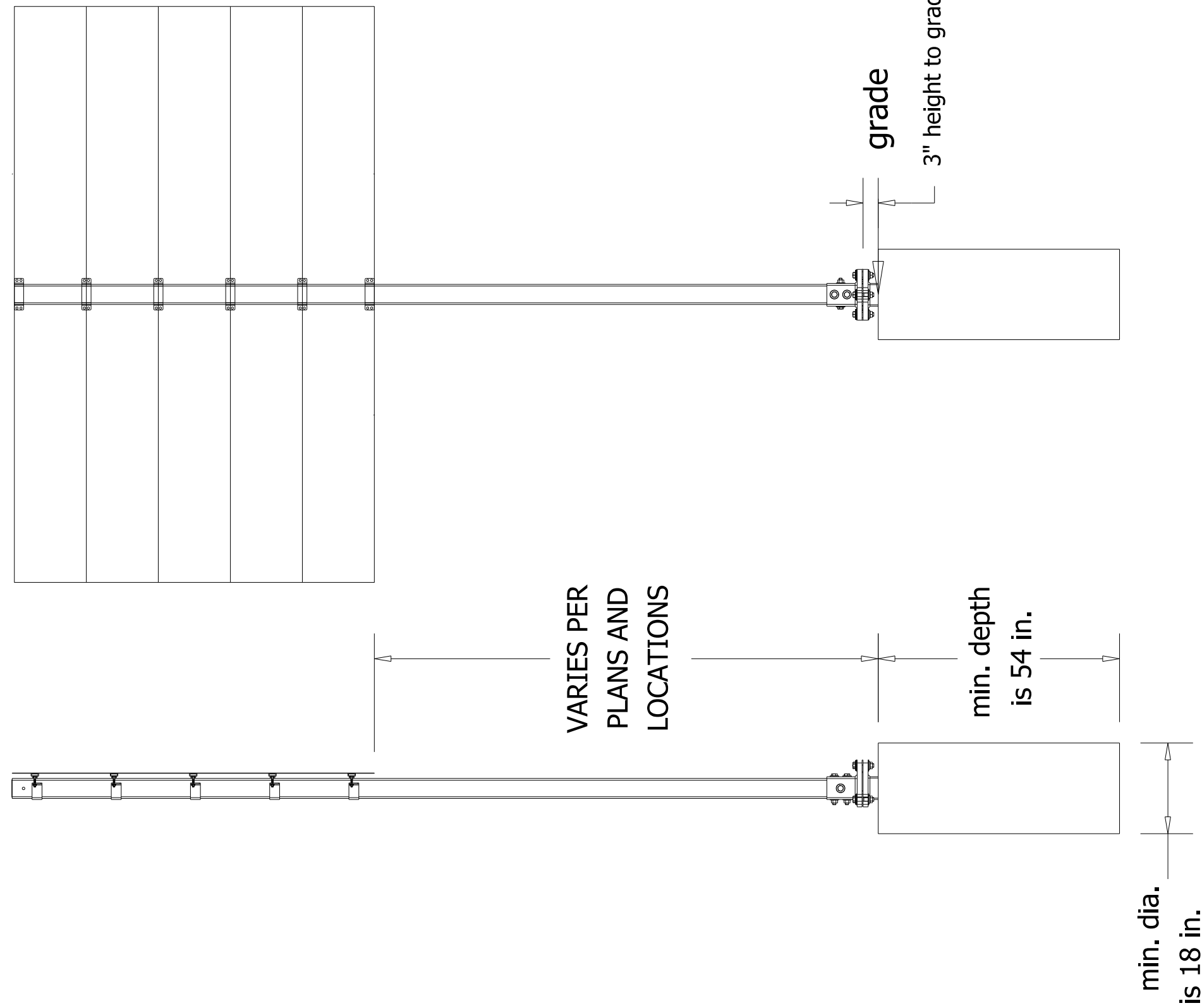
Notice to Bidders No. 4127



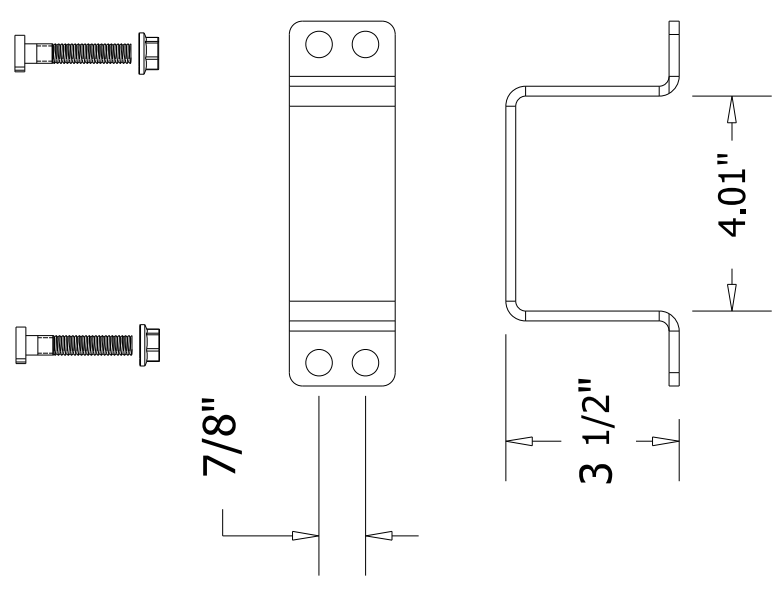
FMS CON:

STATE	PROJECT NO.
MISS.	

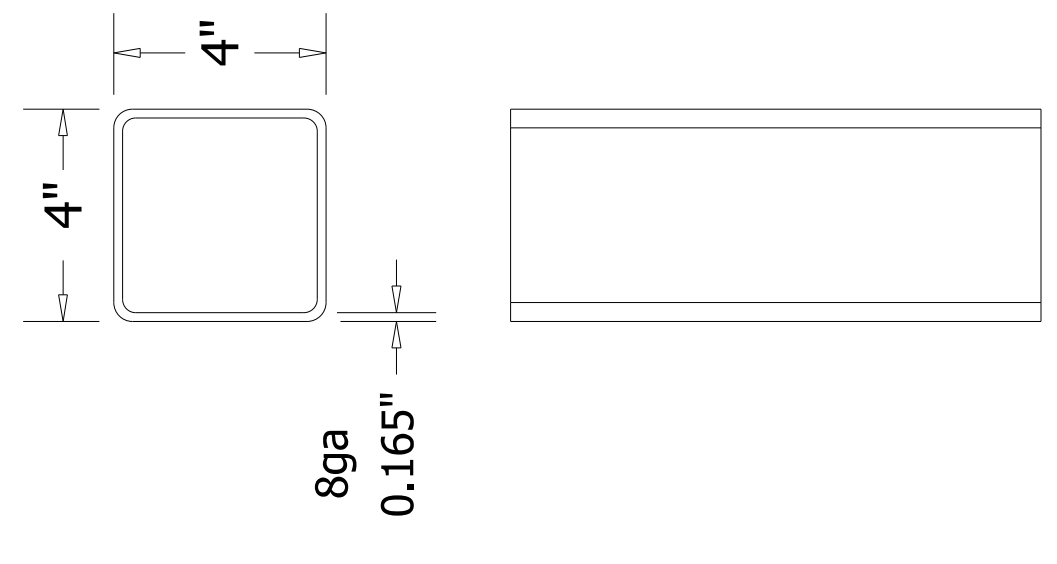
**SIGN CLAMP KIT**



MATERIALS: 2" WIDE x 3/16" TYPE 304, #2B FINISHED STAINLESS STEEL BRACKET. INCLUDES 2 STAINLESS STEEL 3/8"-16 x 2" T-HEAD BOLTS AND SERRATED FLANGED NUTS. ONE CLAMP REQUIRED FOR EACH BRACE TO POST JUNCTION.

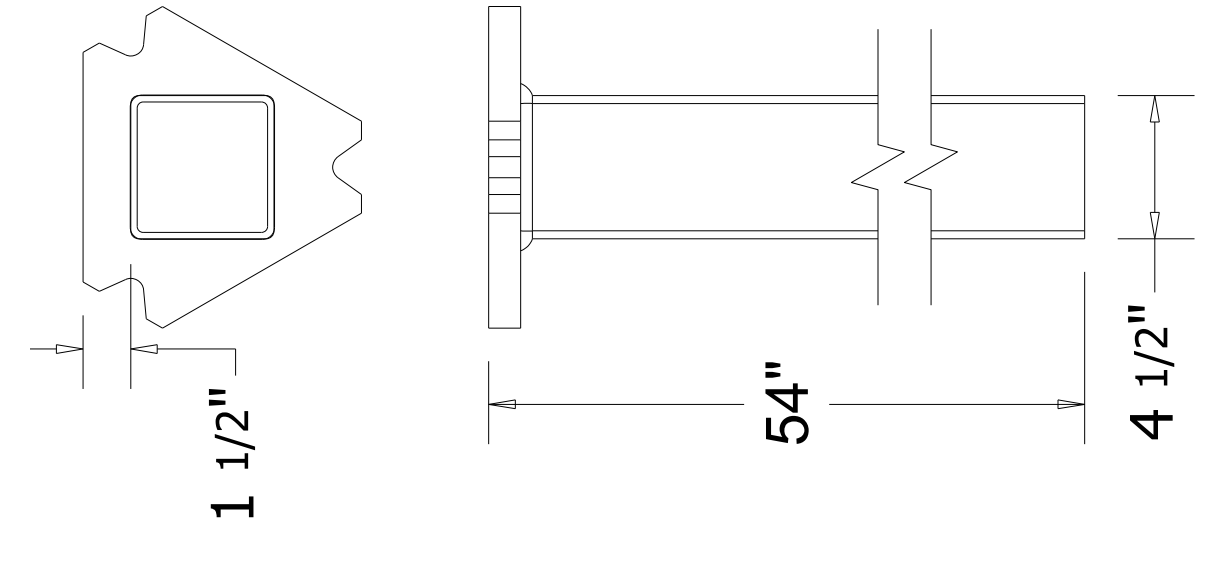


**SIGN POSTS**



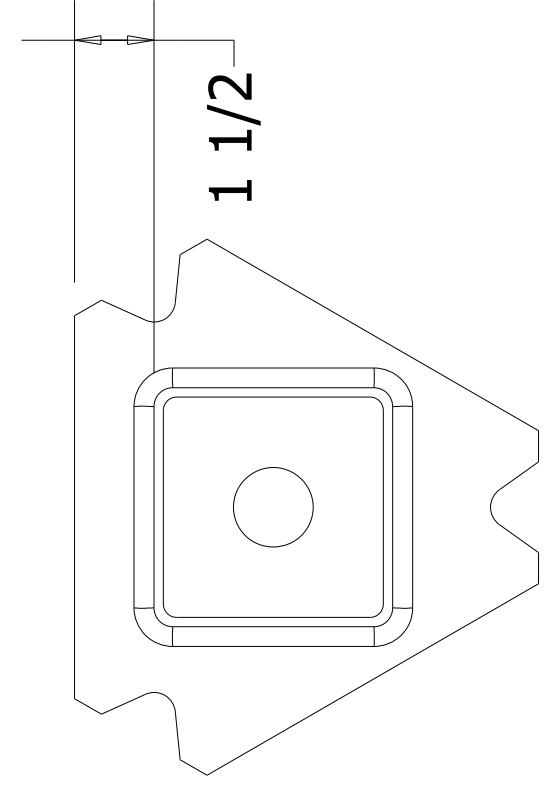
STEEL CONFORMS TO ASTM A500, Grade C. MUST BE WELDED, SCARFED OUTSIDE AFTER WELDING, THEN ZINC FLO-COAT GALVANIZED INTERIOR AND EXTERIOR AFTER SCARFING. MUST BE COATED WITH A CROMATE CONVERSION COATING & CLEAR ORGANIC POLYMER TOPCOAT. POST WEIGHT IS 8.6 lbs./ft.

**UNIBASE ANCHOR STUB**



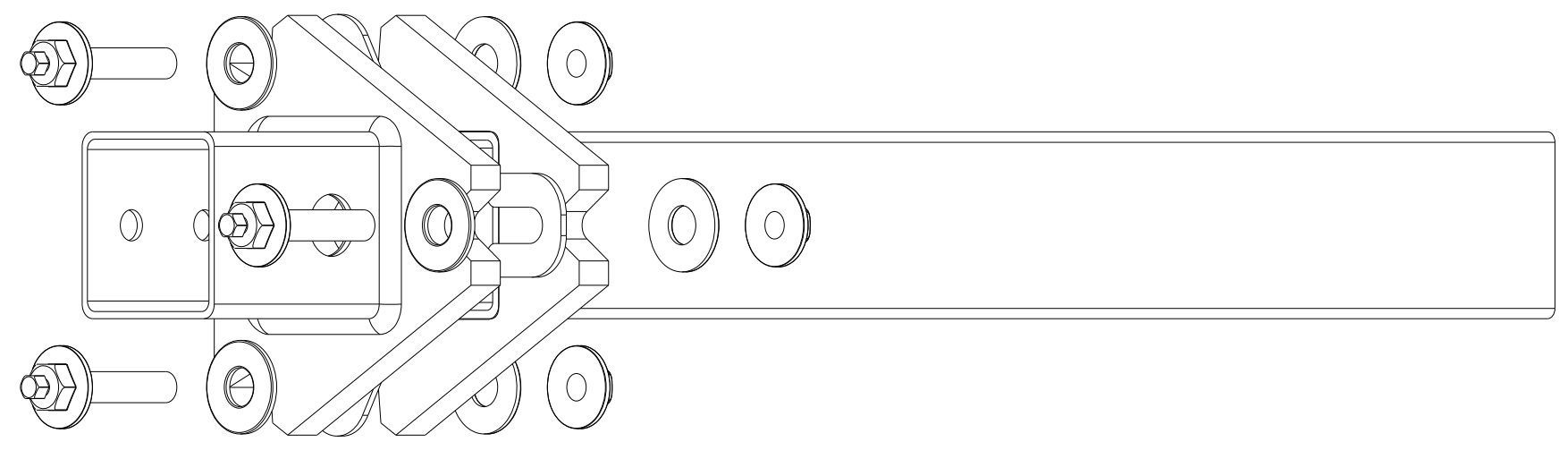
4-1/2" x 54" x 7 GA UNIBASE ANCHOR A500 GRADE B TUBE WELDED TO 1" THICK A572 SLIP PLATE. GALVANIZED PER ASTM A123.

**4" SQUARE POST RECEIVER**



13" OMNIDIRECTIONAL SLIP BASE RECEIVER FOR 4" SQUARE STEEL POSTS A500 STEEL TUBE WELDED TO 1" THICK A572 SLIP PLATE. GALVANIZED PER ASTM A153.

**SLIP BASE ASSEMBLY**



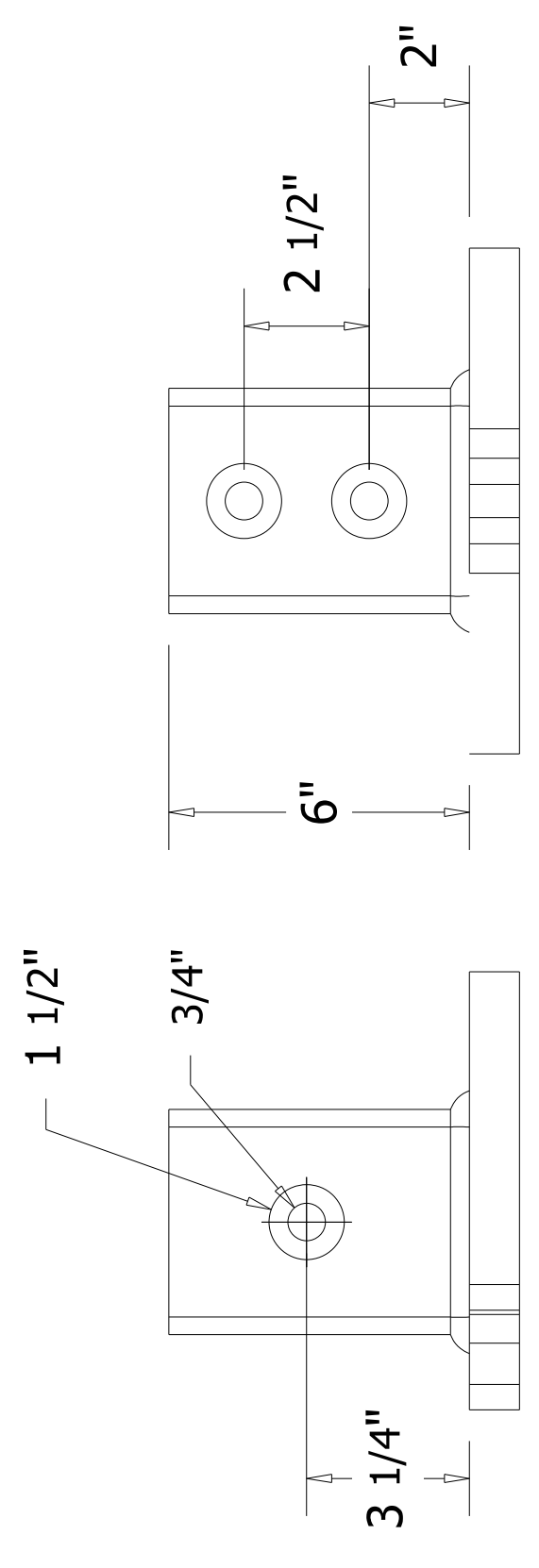
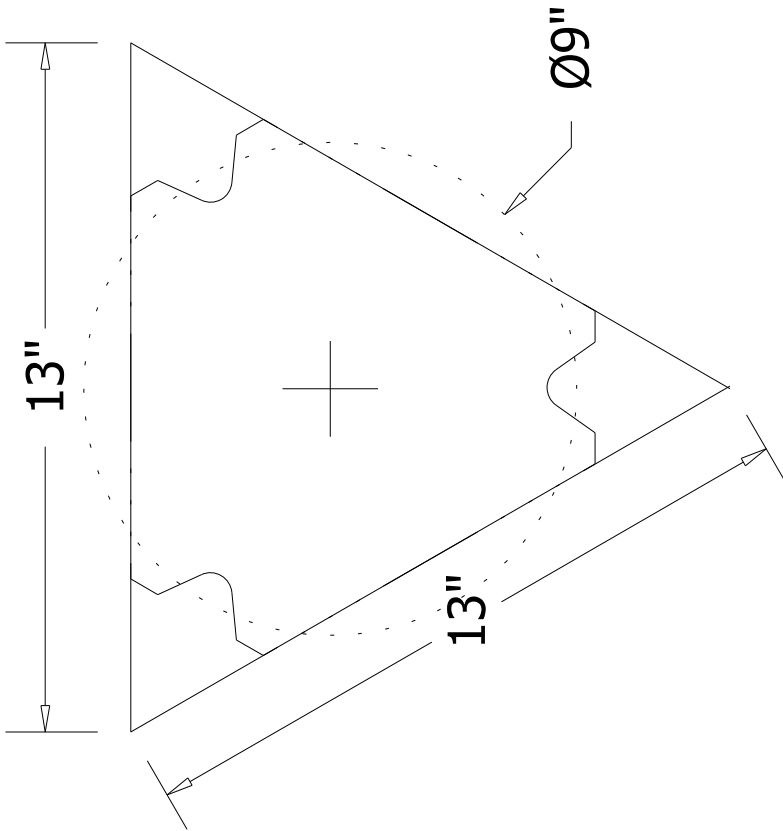
**POST ATTACHMENT HARDWARE KIT WILL CONSIST OF:**

- (3) 5/8"-11 x 5-3/4" HEX BOLTS - A325
- (3) 5/8" x 1-3/4" AR400 WASHER
- (3) 5/8" x 1-3/8" AR400 WASHER
- (3) 5/8" FLAT WASHERS - F436
- (3) 5/8" HEX NUTS - A563DH

ALL HOT DIP GALVANIZED per ASTM A153/F2329.  
NOTE: 1 POST ATTACHMENT HARDWARE KIT IS USED FOR SLIP BASE TOP POST RECEIVER. TORQUE TO 100 ft-lbs.

	3/4"-10 x 3-1/2" GRADE 8, DOUBLE HEADED FLANGE BOLT, GALVANIZE PER ASTM B695 class 50. (3 EACH PER KIT)
	7/8" U.S.S. FLAT WASHER ANSI B 18.22.1, TYPE A WIDE, GALVANIZE PER ASTM B695, class 50 (6 EACH PER KIT)
	2-1/2" SQUARE x 3/16" THICK TEFLON COATED, HARDENED SLIP WASHER (3 EACH PER KIT)
	3/4"-10 GRADE 8 LARGE FLANGE NUT GALVANIZE PER ASTM B695, class 50 (3 EACH PER KIT)
<b>SLIP BASE MATCH PLATE HARDWARE KIT (SLIP BASE HARDWARE TORQUED IS 60 FT-LBS.)</b>	

**SLIP PLATE DIMENSION**



**4" SQUARE POST RECEIVER**

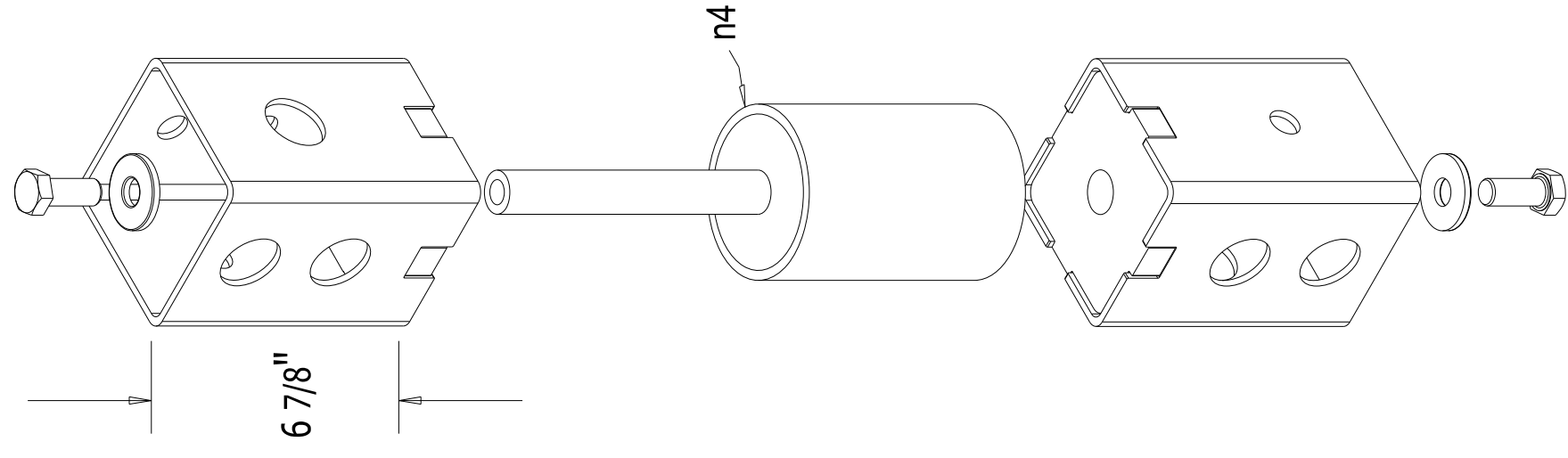
- NOTES:**
- A. CONCRETE FOOTING MUST BE A MINIMUM OF 18" DIAMETER x 54" DEEP.
  - B. BRASS SHIMS MAY BE USED BETWEEN SLIP PLATES TO LEVEL THE UPPER SLIP PLANE.
  - C. MAXIMUM SIGN AREA PER SIGN BRACKET TO POST JUNCTION IS 10FT<sup>2</sup>.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
<b>SIGN SUPPORT HARDWARE</b>	
4" SQUARE POST (SINGLE POST)	
PROJ. NO.:	FILENAME: TSS-3.DGN
COUNTY:	DESIGN TEAM: MDOT
DATE	CHECKED: DATE: MAY, 2021
REVISION	WORKING NUMBER: TSS-3
BY	SHEET NUMBER:

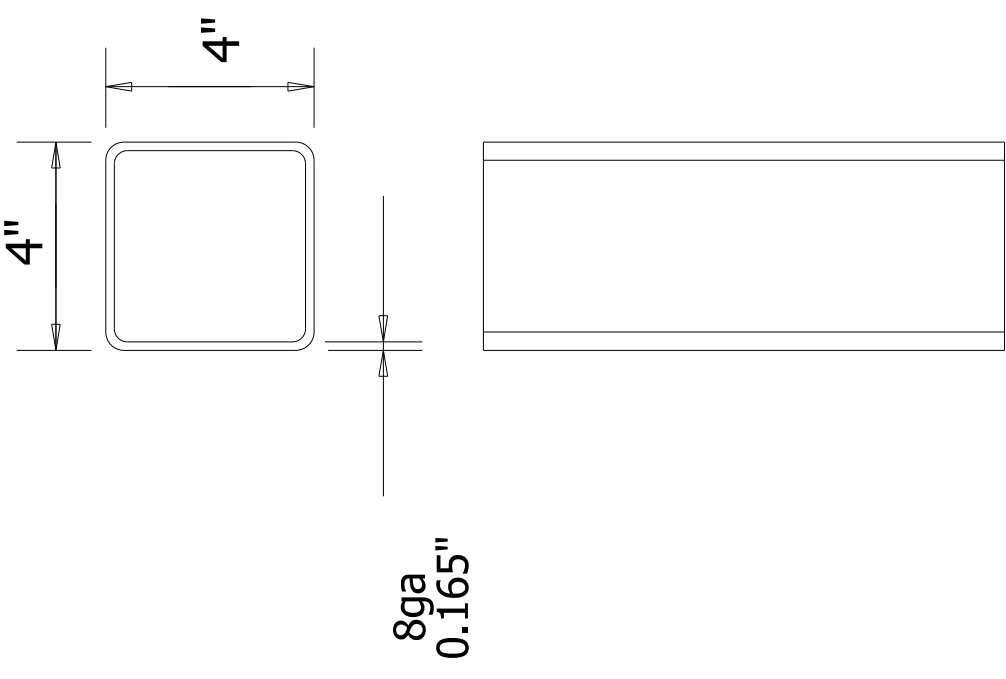


HINGE ASSEMBLY

HINGE ASSEMBLY WILL CONSIST OF:  
 (2) STAINLESS STEEL HEX BOLTS  
 (2) FLAT WASHERS  
 (2) HINGE POST RECEIVER  
 SOCKETS - HDG PER ASTM A153.  
 (1) STAINLESS STEEL TUBE  
 (1) PIPE SLEEVE  
 HDG PER ASTM A153.  
 TORQUE TO 100 ft.-lbs.

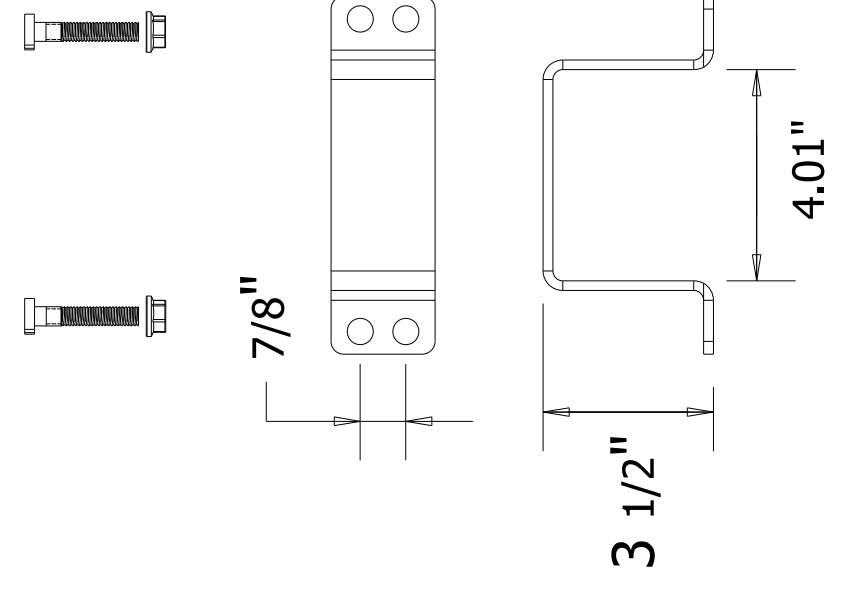


SIGN POSTS

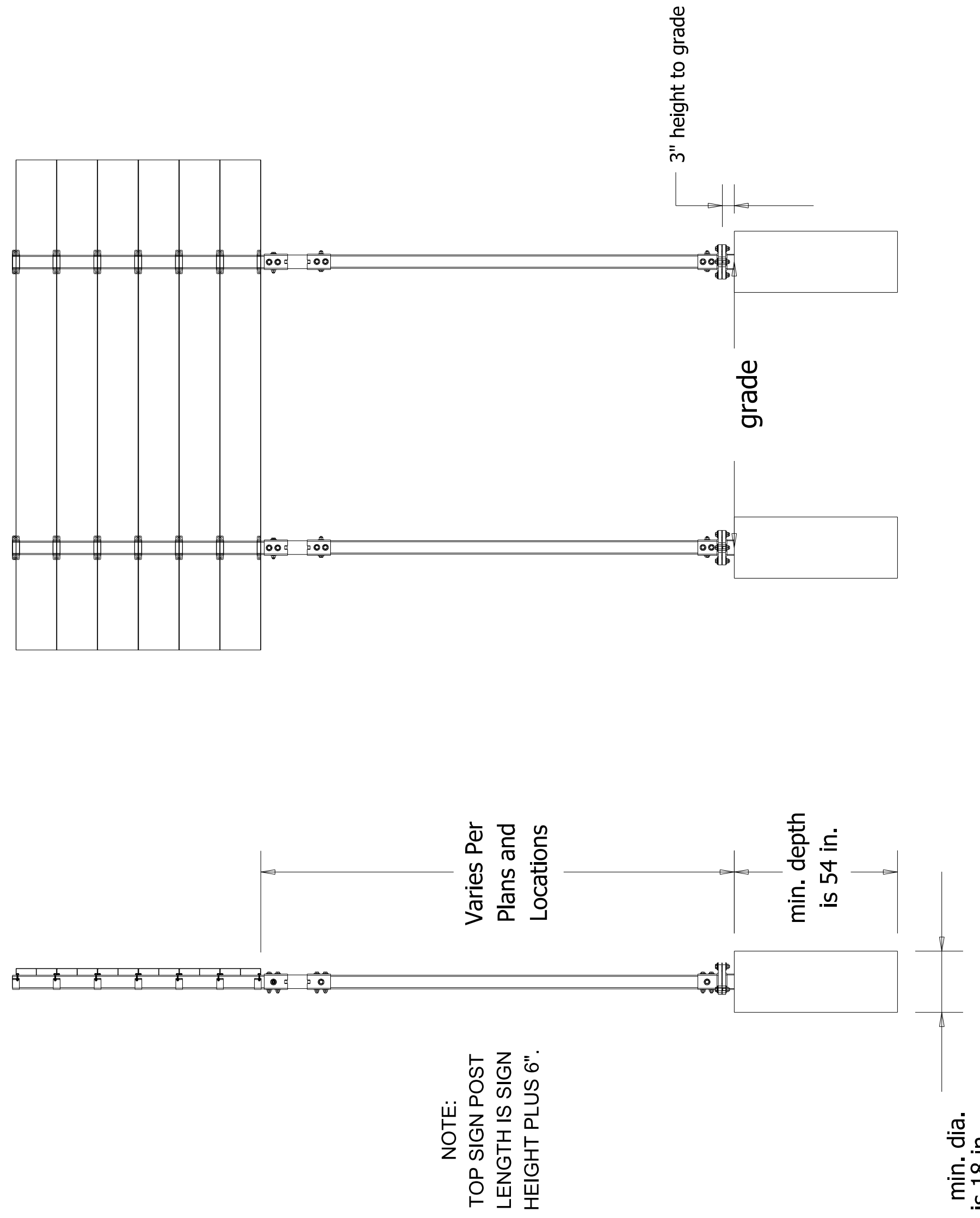


STEEL CONFORMS TO ASTM A500, Grade C. MUST BE WELDED, SCARFED OUTSIDE AFTER WELDING, THEN ZINC FLO-COAT GALVANIZED INTERIOR AND EXTERIOR AFTER SCARFING. MUST BE COATED WITH A CROMATE CONVERSION COATING & CLEAR ORGANIC POLYMER TOPCOAT. POST WEIGHT IS 8.6 lbs./ft.

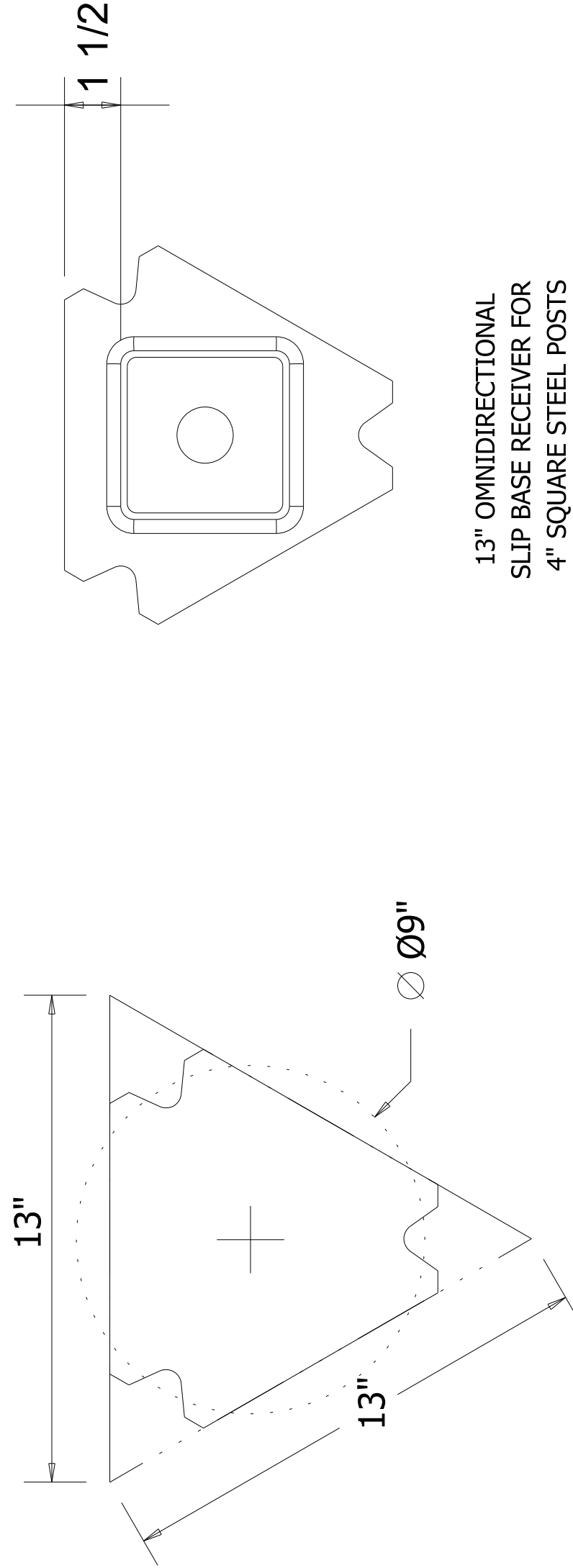
SIGN CLAMP KIT



MATERIALS: 2" WIDE x 3/16" TYPE 304, #2B FINISHED STAINLESS STEEL BRACKET. INCLUDES 2 STAINLESS STEEL 3/8"-16 x 2" T-HEAD BOLTS AND SERRATED FLANGED NUTS. ONE CLAMP REQUIRED FOR EACH BRACE TO POST JUNCTION.

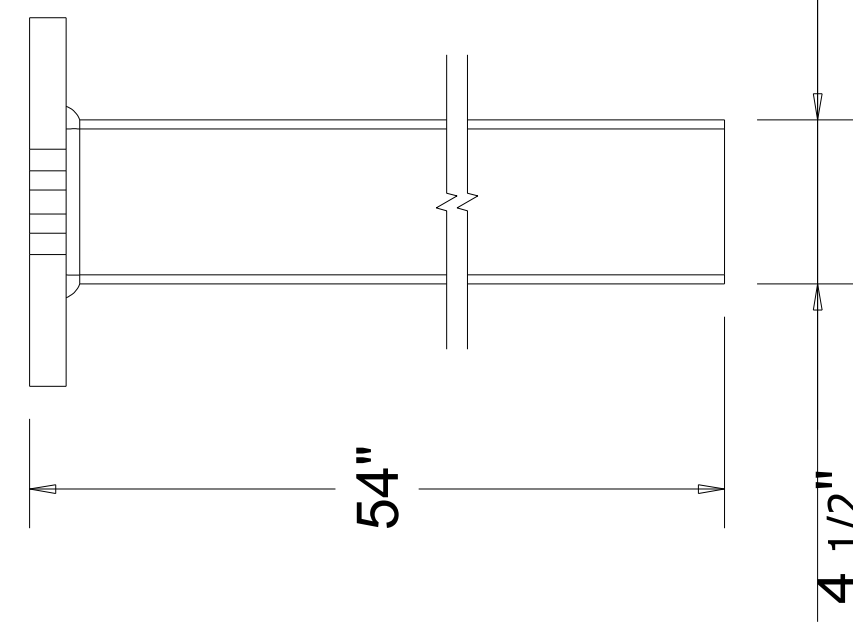


4" SQUARE POST RECEIVER



13" OMNIDIRECTIONAL SLIP BASE RECEIVER FOR 4" SQUARE STEEL POSTS A500 STEEL TUBE WELDED TO 1" THICK A572 SLIP PLATE. GALVANIZED PER ASTM A153.

UNIBASE ANCHOR STUB



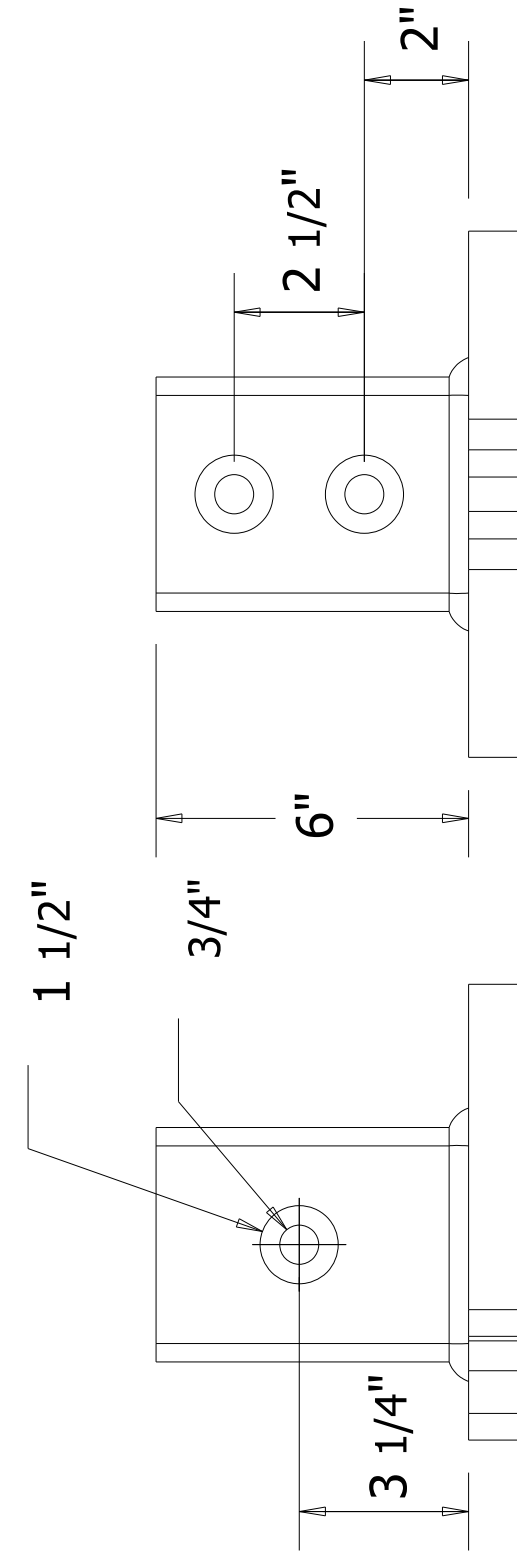
4-1/2" x 54" x 7 GA UNIBASE ANCHOR A500 GRADE B TUBE WELDED TO 1" THICK A572 SLIP PLATE. GALVANIZED PER ASTM A123.

POST ATTACHMENT HARDWARE KIT WILL CONSIST OF:  
 (3) 5/8"-11 x 5-3/4" HEX BOLTS - A325  
 (3) 5/8" x 1-3/4" AR400 WASHER  
 (3) 5/8" x 1-3/8" AR400 WASHER  
 (3) 5/8" FLAT WASHERS - F436  
 (3) 5/8" HEX NUTS - A563DH  
 ALL HOT DIP GALVANIZED per ASTM A153/F2329.

NOTE: 1 POST ATTACHMENT HARDWARE KIT IS USED FOR SLIP BASE TOP POST RECEIVER.  
 2 POST ATTACHMENT HARDWARE KITS ARE USED FOR HINGE ATTACHMENT TO MAIN POST AND TO SIGN POST.  
 TORQUE TO 100 ft.-lbs.

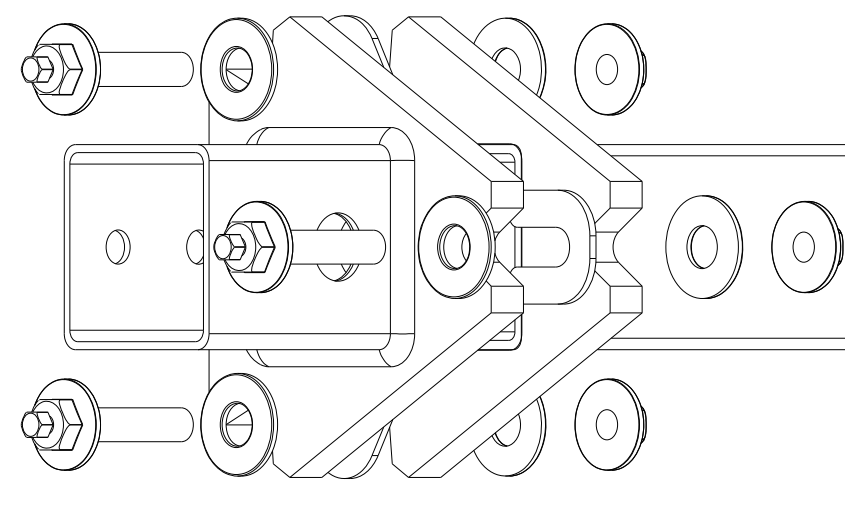
	3/4"-10 x 3-1/2" GRADE 8, DOUBLE HEADED FLANGE BOLT, GALVANIZE PER ASTM B695, class 50. (3 EACH PER KIT)
	7/8" U.S.S. FLAT WASHER ANSI B 18.22.1, TYPE A WIDE, GALVANIZE PER ASTM B695, class 50 (6 EACH PER KIT)
	2-1/2" SQUARE x 3/16" THICK TEFLON COATED, HARDENED SLIP WASHER (3 EACH PER KIT)
	3/4"-10 GRADE 8 LARGE FLANGE NUT GALVANIZE PER ASTM B695, class 50. (3 EACH PER KIT)
<b>SLIP BASE MATCH PLATE HARDWARE KIT (SLIP BASE HARDWARE TORQUE IS 60 FT-LBS.)</b>	

SLIP PLATE DIMENSION



4" SQUARE POST RECEIVER

- NOTES:
- A. CONCRETE FOOTING MUST BE A MINIMUM OF 18" DIAMETER x 54" DEEP.
  - B. BRASS SHIMS MAY BE USED BETWEEN SLIP PLATES TO LEVEL THE UPPER SLIP PLANE.
  - C. MAXIMUM SIGN AREA PER SIGN BRACKET TO POST JUNCTION IS 10FT<sup>2</sup>.



MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
**SIGN SUPPORT HARDWARE**

**4" SQUARE POST (DUAL POST)**

PROJ. NO.:  
 COUNTY:

FILENAME: ISS-4.DGN  
 DESIGN TEAM: MBDT  
 CHECKED: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 DATE MAY 2021

Notice to Bidders No. 4127  
 WORKING NUMBER: TSS-4  
 SHEET NUMBER

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SECTION 904 - NOTICE TO BIDDERS NO. 4129**

**CODE: (SP)**

**DATE: 5/16/2022**

**SUBJECT: Project Number Change**

**PROJECT: NH-0009-04(038) / 107958301, NH-0009-04(039) / 107958302 & NH-0009-04(039) / 107958303—Coahoma County**

Bidders are hereby advised that any references to **Project Number NH-0009-04(038) / 107958301 & NH-0009-04(039) / 107958302** in the proposal or specifications shall be understood to mean **Project Number NH-0009-04(038) / 107958301, NH-0009-04(039) / 107958302 & NH-0009-04(039) / 107958303**.

Mill & Overlay approximately 12 miles on US 61/49 from 0.6 miles south of SR 161 to south of Eagles Nest Road and approximately 1 mile of US 49 / SR 149 from 0.5 miles south of US 61 to 0.46 miles north of US 61, known as Federal Aid Project Nos. NH-0009-04(038) / 107958301 & NH-0009-04(039) / 107958302 & 303 in Coahoma County.

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
<b>Roadway Items</b>					
0010	201-A001		1	Lump Sum	Clearing and Grubbing
0020	202-B007		240	Square Yard	Removal of Asphalt Pavement, All Depths
0030	202-B069		210	Square Yard	Removal of Concrete Pavement w/ Variable Depth Overlay
0040	202-B117		528	Each	Removal of Delineator, All Types
0050	202-B158		4,177	Linear Feet	Removal of Guard Rail, Including Rails, Posts and Terminal Ends
0060	202-B215		24	Each	Removal of Sign Including Post & Footing
0070	202-B240		14,950	Linear Feet	Removal of Traffic Stripe
0080	203-G001	(E)	100	Cubic Yard	Excess Excavation, FM, AH
0090	304-B002	(GT)	21,500	Ton	Granular Material, Class 3, Group D
0100	403-A002	(BA1)	29,175	Ton	12.5-mm, MT, Asphalt Pavement
0110	403-A003	(BA1)	5,225	Ton	12.5-mm, ST, Asphalt Pavement
0120	403-A006	(BA1)	300	Ton	19-mm, ST, Asphalt Pavement
0130	403-A015	(BA1)	3,125	Ton	9.5-mm, ST, Asphalt Pavement
0140	403-B010	(BA1)	7,340	Ton	9.5-mm, HT, Asphalt Pavement, Leveling
0150	403-B011	(BA1)	12,070	Ton	9.5-mm, MT, Asphalt Pavement, Leveling
0160	403-B012	(BA1)	3,175	Ton	9.5-mm, ST, Asphalt Pavement, Leveling
0170	403-D001	(BA1)	19,050	Ton	12.5-mm, HT, Asphalt Pavement, Polymer Modified
0180	406-D001		529,552	Square Yard	Fine Milling of Bituminous Pavement, All Depths
0190	407-A001	(A2)	87,100	Gallon	Asphalt for Tack Coat
0200	413-E001		8,250	Linear Feet	Sawing and Sealing Transverse Joints in Asphalt Pavement
0210	423-A001		49	Mile	Rumble Strips, Ground In
0220	503-C010		880	Linear Feet	Saw Cut, Full Depth
0230	601-B001	(S)	13	Cubic Yard	Class "B" Structural Concrete, Minor Structures
0240	606-B002		4,577	Linear Feet	Guard Rail, Class A, Type 1, 'W' Beam
0250	606-C001		2	Each	Guard Rail, Cable Anchor Type 1, Metal Post
0260	606-D019		8	Each	Guard Rail, Bridge End Section, Type H
0270	606-D022		20	Each	Guard Rail, Bridge End Section, Type I
0280	606-E005		23	Each	Guard Rail, Terminal End Section, Flared
0290	606-E007		3	Each	Guard Rail, Terminal End Section, Non-Flared
0300	607-A001		100,000	Linear Feet	31.5" Type "A" Woven Wire Fence, w/ Barbed Wire as Shown
0310	607-P1007		7,513	Each	Line Post, 7' Tee Post Steel

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0320	607-P1021		155	Each	Line Post, 10' Tee Post Steel
0330	607-P2009		800	Each	Brace Post, 8' x 6" Timber
0340	607-Z001		956	Each	Concrete Anchors
0350	618-A001		1	Lump Sum	Maintenance of Traffic
0360	618-B001		3	Square Feet	Additional Construction Signs [\$10.00]
0370	619-A1001		86	Mile	Temporary Traffic Stripe, Continuous White
0380	619-A2001		80	Mile	Temporary Traffic Stripe, Continuous Yellow
0390	619-A3001		80	Mile	Temporary Traffic Stripe, Skip White
0400	619-A4001		2,605	Linear Feet	Temporary Traffic Stripe, Skip Yellow
0410	619-A5001		45,039	Linear Feet	Temporary Traffic Stripe, Detail
0420	619-A6001		1,301	Square Feet	Temporary Traffic Stripe, Legend
0430	619-A6002		2,920	Linear Feet	Temporary Traffic Stripe, Legend
0440	620-A001		1	Lump Sum	Mobilization
0450	626-A001		26	Mile	6" Thermoplastic Double Drop Traffic Stripe, Skip White
0460	626-B002		34	Mile	6" Thermoplastic Double Drop Traffic Stripe, Continuous White
0470	626-D002		420	Linear Feet	6" Thermoplastic Double Drop Traffic Stripe, Skip Yellow
0480	626-E001		30	Mile	6" Thermoplastic Double Drop Traffic Stripe, Continuous Yellow
0490	626-G004		49,050	Linear Feet	Thermoplastic Double Drop Detail Stripe, White
0500	626-G005		26,055	Linear Feet	Thermoplastic Double Drop Detail Stripe, Yellow
0510	626-H001		592	Square Feet	Thermoplastic Double Drop Legend, White
0520	626-H002		1,582	Linear Feet	Thermoplastic Double Drop Legend, White
0530	627-J001		240	Each	Two-Way Clear Reflective High Performance Raised Markers
0540	627-K001		2,861	Each	Red-Clear Reflective High Performance Raised Markers
0550	627-L001		2,598	Each	Two-Way Yellow Reflective High Performance Raised Markers
0560	630-A001		935	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness
0570	630-A003		851	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness
0580	630-A005		497	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.1" Thickness
0590	630-B002		2,818	Square Feet	Interstate Directional Signs, Bolted Extruded Aluminum Panels, Ground Mounted
0600	630-C001		895	Linear Feet	Square Tube Posts, 4.0 lb/ft
0610	630-C004		99	Linear Feet	Square Tube Posts, 9.0 lb/ft
0620	630-C005		1,641	Linear Feet	Square Tube Posts, 2.0 lb/ft
0630	630-C1001		355	Linear Feet	Square Post Inner Sleeve
0640	630-F002		75	Each	Delineators, Flexible Post Mounted, Crossover, Type I, Yellow

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0650	630-F003		8	Each	Delineators, Flexible Post Mounted, Crossover, Type II
0660	630-F006		111	Each	Delineators, Guard Rail, White
0670	630-F007		101	Each	Delineators, Guard Rail, Yellow
0680	630-F010		258	Each	Delineators, Post Mounted, Double White
0690	630-F011		72	Each	Delineators, Post Mounted, Double Yellow
0700	630-F012		216	Each	Delineators, Post Mounted, Single White
0710	630-F013		90	Each	Delineators, Post Mounted, Single Yellow
0720	630-G004		24	Each	Type 3 Object Markers, OM-3R or OM-3L
0730	699-A001		1	Lump Sum	Roadway Construction Stakes
0740	907-630-E003		160	Linear Feet	Structural Aluminum Angles & Bars, Aluminum Sign Bracing
0750	907-630-PP002		284	Square Feet	Roadside Directional Signs, Sheet Aluminum, 0.125" Thickness, Ground Mounted
<b>ALTERNATE GROUP AA NUMBER 1</b>					
0760	304-F001	(GT)	142	Ton	3/4" and Down Crushed Stone Base
<b>ALTERNATE GROUP AA NUMBER 2</b>					
0770	304-F002	(GT)	142	Ton	Size 610 Crushed Stone Base
<b>ALTERNATE GROUP AA NUMBER 3</b>					
0780	304-F003	(GT)	142	Ton	Size 825B Crushed Stone Base

