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08 -



SM No. CSTBG9999014011

# PROPOSAL AND CONTRACT DOCUMENTS

## FOR THE CONSTRUCTION OF

08

Sign Replacements on various routes throughout the District, known as Federal Aid  
Project No. STBG-9999-01(401) / 108811301 in District 1.

Project Completion: 67 Working Days

**(STATE DELEGATED)**

### NOTICE

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

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

# SECTION 900

## OF THE CURRENT 2017 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION

JACKSON, MISSISSIPPI

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
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**PROJECT: STBG-9999-01(401)/108811301 - District 1**

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(REVISIONS TO THE ABOVE WILL BE INDICATED ON THE SECOND SHEET  
OF SECTION 905 AS ADDENDA)

09/01/2021 09:01 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, September 28, 2021, from the Bid Express Service and shortly thereafter publicly read on the Sixth Floor For:

Sign Replacements on various routes throughout the District, known as Federal Aid Project No. STBG-9999-01(401) / 108811301 in District 1.

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. 1**

**DATE:** 06/08/2021

**SUBJECT:** Governing Specifications

Change the web address at the end of the first paragraph to the following.

<https://shop.mdot.ms.gov/default.aspx?StoreIndex=1>

# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

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

**CODE: (IS)**

**DATE: 03/01/2017**

**SUBJECT: Governing Specifications**

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Transportation Commission is made a part hereof fully and completely as if it were attached hereto, except where superseded by special provisions, or amended by revisions of the Specifications contained within this proposal.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

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

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

## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**SECTION 904 - NOTICE TO BIDDERS NO. 2**

**CODE: (IS)**

**DATE: 03/01/2017**

**SUBJECT: Status of Right-of-Way**

Although it is desirable to have acquired all rights-of-way and completed all railroad agreements, utility adjustments and work to be performed by others prior to receiving bids, sometimes it is not considered to be in the public interest to wait until each and every such clearance has been obtained. The bidder is hereby advised of possible unacquired rights-of-way, relocations, railroad agreements and utilities adjustments which have not been completed.

The status of right-of-way acquisition, utility adjustments, encroachments, potentially contaminated sites, railroad facilities, improvements, and asbestos contamination are set forth in the following attachments.

In the event right of entry is not available to ALL parcels of right-of-way and/or all work that is to be accomplished by others on the date set forth in the contract for the Notice to Proceed is not complete, the Department will issue a restricted Notice to Proceed.

**STATUS OF RIGHT-OF-WAY**

STBG-9999-01(401)

108811/301000

District 1 Districtwide

All rights of way and legal rights of entry have been acquired **except:**

**None.**

STATUS OF POTENTIALLY CONTAMINATED SITES  
STBG-9999-01(401)  
108811/301000  
District 1 Districtwide  
August 10, 2021

THERE IS NO RIGHT OF WAY REQUIRED FOR THIS PROJECT. NO INITIAL SITE ASSESSMENT WILL BE PERFORMED. IF CONTAMINATION ON EXISTING RIGHT OF WAY IS DISCOVERED, IT WILL BE HANDLED BY THE DEPARTMENT.

ASBESTOS CONTAMINATION STATUS OF BUILDINGS  
TO BE REMOVED BY THE CONTRACTOR

STBG-9999-01(401)

108811/301000

District 1 Districtwide

August 10, 2021

Reference is made to notices to bidders entitled "Asbestos National Emission Standards for Hazardous Air Pollutants (NESHAP)" and "Removal of Obstructions".

The following pertinent information is furnished concerning asbestos containing materials (ACMs), if any, found in buildings to be removed by the Contractor.

There is no Right of Way required for this project. There are no buildings to be removed by the contractor.

# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

## *Inter-Departmental Memorandum*

TO: ROW Division  
Trudi Loflin

DATE: August 9, 2021

FROM: District 1  
Jamie McDonald *JM*

SUBJECT OR PROJECT NO: STBG-9999-01(401)  
108811/301000

INFORMATION COPY TO:

COUNTY: District 1 Districtwide

Asst. Chief Engineer – Pre Construction  
District Engineer (Holley)  
Project Engineer (Parker)  
Project File

### District 1 Status Report

1. STATUS OF RIGHT OF WAY: All Construction is within existing ROW
2. RIGHT OF WAY CLEARANCE: There are no encroachments on the Right of Way.
3. STATUS OF AFFECTED RAILROAD OPERATING FACILITIES: None affected.
4. STATUS OF REQUIRED UTILITY RELOCATIONS: None required
5. STATUS OF CONSTRUCTION AGREEMENT: None required.

Improvements to be included in Notice to Bidders to be removed by the Construction Contractor  
FMS Construction Project No: 108811-301000  
External ROW No: District 1 Districtwide

Parcel No:  
Station No:  
Property Owner:  
Description/Pictures:

**NA**



**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

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

**CODE: (IS)**

**DATE: 03/01/2017**

**SUBJECT: Federal Bridge Formula**

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

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

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

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

or

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

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

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

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

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

**CODE: (SP)**

**DATE: 07/25/2017**

**SUBJECT: Reduced Speed Limit Signs**

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

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

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

**CODE: (SP)**

**DATE: 10/10/2017**

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

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

## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 516

CODE: (IS)

DATE: 11/28/2017

SUBJECT: Errata and Modifications to the 2017 Standard Specifications

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

- |     |               |   |
|-----|---------------|---|
| 725 | 702.08.3      | In the second sentence of the first paragraph, change “hot-mix” to “asphalt.”                     |
| 954 | 804.02.13.1.6 | In the definition for “M” in the % Reduction formulas, change “paragraph 7.3” to “paragraph 5.3.” |

## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 977

CODE: (IS)

DATE: 07/25/2018

SUBJECT: DUNS Requirement for Federal Funded Projects

Bidders are advised that the Prime Contractor must maintain a current registration in the System for Award Management ( <http://www.sam.gov> ) at all times during this project. A Dun and Bradstreet Data Universal Numbering System (DUNS) Number ( <http://www.dnb.com> ) is one of the requirements for registration in the System for Award Management.

Bidders are also advised that prior to the award of this contract, they MUST be registered, active, and have no active exclusions in the System for Award Management.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SECTION 904 - NOTICE TO BIDDERS NO. 1225**

**CODE: (SP)**

**DATE: 11/13/2018**

**SUBJECT: Early Notice to Proceed**

Bidders are advised that if an early notice to proceed is allowed by the Department and the Contractor experiences problems or delays between the early notice to proceed date and the original notice to proceed date, this shall not be justification for any monetary compensation or an extension of contract time.

## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

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

**CODE: (IS)**

**DATE: 11/16/2018**

**SUBJECT: Material Storage Under Bridges**

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



**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

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

**CODE: (IS)**

**DATE: 11/27/2018**

**SUBJECT: Fuel and Material Adjustments**

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

## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**SECTION 904 - NOTICE TO BIDDERS NO. 2206**

**CODE: (IS)**

**DATE: 01/14/2020**

**SUBJECT: MASH Compliant Devices**

Bidders are hereby advised that compliance associated with the requirements of meeting either the National Cooperative Highway Research Program (NCHRP) Report 350 or the Manual for Assessing Safety Hardware (MASH) for installations of certain traffic control devices and permanent safety hardware devices (guardrails, guardrail terminals, permanent portable barriers, cast-in-place barriers, all other permanent longitudinal barriers, crash cushions, cable barriers, cable barrier terminals, bridge rails, bridge rail transitions, all other terminals, sign supports, and all other breakaway hardware) as listed throughout the Standard Specifications and/or the Standard Drawings, or both, is now replaced with the requirements of meeting the 2016 version of MASH after December 31, 2019. This change applies to new permanent installations and to full replacements of existing installations.

At the preconstruction conference or prior to starting any work on the project, the Contractor shall submit a letter stating that the traffic control devices and permanent safety hardware devices as outlined within the paragraph above that are to be used on the project are certified to meet MASH 2016.

When a MASH 2016-compliant device does not exist for the new permanent installations and/or full replacement installations of permanent safety hardware devices, as listed above, a MASH 2009-compliant or a NCHRP 350-compliant device may be proposed by the Contractor for the project. A written request for such instances must be submitted by the Contractor either at the preconstruction conference or prior to starting any work on the project. The Contractor shall submit the following items to the Project Engineer: (1) a detailed list of the proposed devices and locations thereof; and (2) certification letters indicating that the proposed devices are compliant with either MASH 2009 or NCHRP 350.

When a MASH 2016-compliant device does not exist for the temporary work zone traffic control devices (Category 1, Category 2, and Category 3 devices), a MASH 2009-compliant or a NCHRP 350-compliant device may be proposed by the Contractor for the project. Temporary work zone traffic control devices (Category 1, Category 2, and Category 3 devices) that are MASH 2009-compliant or NCHRP 350-compliant that have been in use prior to December 31, 2019, and that have a remaining service life may be proposed for use throughout their normal service life on the project by the Contractor. For either of these scenarios for temporary work zone traffic control devices, a written request must be submitted by the Contractor either at the preconstruction conference or prior to starting any work on the project. The Contractor shall submit the following items to the Project Engineer: (1) a detailed list of the proposed devices and locations thereof; and (2) certification letters indicating that the proposed devices are compliant with either MASH 2009 or NCHRP 350.

Work will only be allowed to proceed after the Department has granted written concurrence(s) with the proposed request(s) as listed above.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SECTION 904 - NOTICE TO BIDDERS NO. 2273**

**CODE: (SP)**

**DATE: 02/12/2020**

**SUBJECT: Mississippi Special Fuel Tax Law**

Bidder's attention is brought to the second paragraph of Subsection 107.02 of the Standard Specifications which states that all Contractors and Subcontractors must comply with all requirements contained in the Mississippi Special Fuel Tax Law, Section 27-55-501, *et seq.* Attached are two Fact Sheets provided by the Mississippi Department of Revenue (MDOR) with additional information.

## Gasoline and Dyed Diesel Used for Non-Highway Purposes

*Mississippi provides a reduced rate for gasoline and dyed diesel used for non-highway purposes. The reduced rates are 6.44 cents per gallon and 5.75 cents per gallon of gasoline or dyed diesel. These fuels are generally taxed at 18 cents per gallon if for on road use.*

### Gasoline Used for Non-Highway Purposes

You may be entitled to a refund of 11.56 cents per gallon (making this an equivalent to a tax rate of 6.44 cents per gallon) if you desire to purchase gasoline to be used off road. The gasoline must be used for agricultural, maritime, industrial, manufacturing, domestic or non-highway purposes only.

Examples of non-highway include gasoline used in boats, golf carts, machinery used for manufacturing or farm equipment used exclusively in plowing, planting or harvesting farm products.

### Refund Gasoline User

The refund is based on the amount of gallons used. Before a refund is issued, you are required to...

1. Obtain a refund gasoline user's permit and a certificate for refund booklet from the Department of Revenue;
2. Have a storage tank marked "REFUND GASOLINE"; and,
3. Purchase the gasoline from someone who holds a refund gasoline dealer's permit.

No refund will be allowed for gasoline used in motor vehicles owned or operated by a government entity or used in Mississippi government contracts.

### Refund Gasoline Dealer

You must obtain a refund gasoline dealer's permit from the Department of Revenue before selling refund gasoline. At no time should the gasoline be delivered to a tank that is not properly marked. The gasoline must be dyed a distinctive mahogany color at the time of delivery.

The Department of Revenue may waive the dye requirement if the dye may cause damage to the equipment. The refund gasoline user is required to obtain the waiver from the Department of Revenue.

### Dyed Diesel Used for Non-Highway Purposes

Unlike gasoline, you are not required to apply for a refund if you desire to purchase dyed diesel to be used off road. Mississippi provides a reduced rate of 5.75 cents per gallon on dyed diesel used off road. Diesel used on road is subjected to 18 cents per gallon. Dyed diesel used in motor vehicles owned or operated by a government entity or used in Mississippi government contracts will be subjected to 18 cents per gallon.

### Dyed Diesel Used on the Highway

Any person who purchases, receives, acquires or uses dyed diesel for highway use will be liable to pay 18 cents per gallon and subject to a penalty in the amount of \$1000.

### Identifying Dyed Diesel

Storage facilities for dyed diesel must be plainly marked "NONHIGHWAY DIESEL FUEL" or "NONHIGHWAY KEROSENE". Retailers are also required to mark all pumps or dispensing equipment.



## Special Fuel Used on Government Contracts

### State and Local Government Contracts

Special fuel purchased, acquired or used in performing contracts with the State of Mississippi, counties, municipalities or any political subdivision is taxed at a rate of 18 cents per gallon. Special fuel includes but is not limited to the following:

- Dyed diesel fuel;
- Kerosene;
- Undyed diesel fuel; and,
- Fuel oil.

State and local government contracts include construction, reconstruction and maintenance or repairs of projects such as roads, bridges, water systems, sewer systems, buildings, drainage canals and recreational facilities. The Department of Revenue may require contractors to remit the excise tax directly to the state in lieu of paying the tax to a distributor.

### Special Fuel Direct Pay Permit

Contractors that remit the excise tax to the state will be issued a Special Fuel Direct Pay Permit. This permit relieves the distributor from collecting the tax and requires the contractor to file a monthly special fuel return. The distributor should include the contractor’s permit number on all invoices that are related to tax-free sales.

The contractor is required to furnish a surety or cash bond guaranteeing the payment of the excise tax prior to receiving the Special Fuel Direct Pay Permit. The Department of Revenue may accept a contractors tax bond if the bond covers the excise tax levied on special fuel.

### Special Fuel Distributors

If the contractor does not have a Special Fuel Direct Pay Permit, distributors are required to collect the 18 cents excise tax and remit the tax to the Department of Revenue. The additional 12.25 cents levied on special fuel (excluding undyed diesel) should be reported on schedules 5F and 5G of the special fuel return.

### Environmental Protection Fee

Special fuel distributors are required to collect the environmental protection fee even if the contractor has a Special Fuel Direct Pay Permit. The fee is levied at 4/10<sup>ths</sup> of a cent per gallon. The fee is suspended or reinstated when the trust fund has exceeded or fallen below the obligatory balance.

### Penalties

Any person who knowingly and willfully purchases untaxed fuel for use in equipment utilized on a road or highway construction site in this state is guilty of a misdemeanor and, upon conviction, shall be fined not less than \$1,000 or more than \$100,000, or imprisoned in the county jail for not more than one year, or both.



# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

## SUPPLEMENT TO NOTICE TO BIDDERS NO. 2611

**DATE:**       **05/02/2020**

The goal is 0 percent for the Disadvantaged Business Enterprise. All Bidders are required to submit Form OCR-481 for all DBEs. Bidders are advised to check the bid tabulation link for this project on the MDOT website at:

[https://mdot.ms.gov/portal/current\\_letting](https://mdot.ms.gov/portal/current_letting)

Bid tabulations are usually posted by 3:00 pm on Letting Day.

# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 2611

CODE: (IS)

DATE: 05/21/2020

SUBJECT: Disadvantaged Business Enterprises In Federal-Aid Highway Construction

This contract is subject to the "Moving Ahead for Progress in the 21<sup>st</sup> Century Act (MAP-21)" and applicable requirements of "Title 49, Code of Federal Regulations, Part 26." Portions of the Act are set forth in this Notice as applicable to compliance by the Contractor and all of the Act, and the MDOT DBE Program, is incorporated by reference herein.

The Department has developed a Disadvantaged Business Enterprise Program that is applicable to this contract and is made a part thereof by reference.

Copies of the program may be obtained from:

Office of Civil Rights  
Mississippi Department of Transportation  
P. O. Box 1850  
Jackson, Mississippi 39215-1850

## POLICY

It is the policy of the Mississippi Department of Transportation to provide a level playing field, to foster equal opportunity in all federally assisted contracts, to improve the flexibility of the DBE Program, to reduce the burdens on small businesses, and to achieve that amount of participation that would be obtained in a non-discriminatory market place. In doing so, it is the policy of MDOT that there will be no discrimination in the award and performance of federally assisted contracts on the basis of race, color, sex, or national origin.

## ASSURANCES THAT CONTRACTORS MUST TAKE

MDOT will require that each contract which MDOT signs with a sub-recipient or a Contractor, and each subcontract the Prime Contractor signs with a Subcontractor, includes the following assurances:

“The Contractor, sub-recipient or Subcontractor shall not discriminate on the basis of race, color, sex, or national origin in the performance of this contract. The Contractor shall carry out applicable requirements of 49 CFR 26 in the award and administration of federally assisted contracts. Failure by the Contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as MDOT deems appropriate.”

**DEFINITIONS**

For purposes of this provision the following definitions will apply:

"Disadvantaged Business" means a small business concern: (a) which is at least 51 percent owned by one or more socially and economically disadvantaged individual(s) or in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more socially and economically disadvantaged individual(s); and (b) whose management and daily business operations are controlled by one or more of the socially and economically disadvantaged individual(s) who own it. It is important to note that the business owners themselves must control the operations of the business. Absentee ownership or title ownership by an individual who does not take an active role in controlling the business is not consistent with eligibility as a DBE under 49 CFR Part 26.71.

**CONTRACTOR'S OBLIGATION**

The Contractor and all Subcontractors shall take all necessary and reasonable steps to ensure that DBE firms can compete for and participate in the performance of a portion of the work in this contract and shall not discriminate on the basis of race, color, sex, or national origin. Failure on the part of the Contractor to carry out the DBE requirements of this contract constitutes a breach of contract and after proper notification the Department may terminate the contract or take other appropriate action as determined by the Department.

When a contract has a zero percent (0%) DBE goal, the Contractor still has the responsibility to take all necessary and reasonable steps to ensure that DBE firms can compete for and participate in the performance of the work in the contract. In this case, all work performed by a certified DBE firm is considered to be a "race neutral" measure and the Department will receive DBE credit towards the overall State goals when the DBE firm is paid for their work. If the Prime Contractor is a certified DBE firm, the Department can receive DBE credit only for the work performed by the Prime Contractor's work force or any work subcontracted to another DBE firm. Work performance by a non-DBE Subcontractor is not eligible for DBE credit.

**CONTRACT GOAL**

The goal for participation by DBEs is established for this contract in the attached Supplement. The Contractor shall exercise all necessary and reasonable steps to ensure that participation is equal to or exceeds the contract goal.

If the percentage of the contract that is proposed for DBEs is 1% or greater, the Contractor shall agree to meet or exceed the contract goal on the last bid sheet of the proposal.

All Bidders shall submit to the Office of Civil Rights Form OCR-481, signed by the Prime Contractor and the DBE Subcontractors, no later than the 3<sup>rd</sup> business day after opening of the bids.



Form OCR-481 is available on the MDOT website at [www.mdot.ms.gov](http://www.mdot.ms.gov) under the Civil Rights tab, or by calling 601-359-7466.

The OCR-481 Form must contain the following information:

The name and address of each certified DBE Contractor / Supplier;

The Reference Number, percent of work to be completed by the DBE subcontractor and the dollar amount of each item. If a portion of an item is subcontracted, a breakdown of that item including quantities and unit price must be attached, detailing what part of the item the DBE firm is to perform and who will perform the remainder of the item.

If the DBE Commitment shown on the last bid sheet of the proposal, does not equal or exceed the contract goal, the bidder must submit, to MDOT Contract Administration Division prior to bid opening, information to satisfy the Department that adequate good faith efforts have been made to meet the contract goal.

Failure of the lowest bidder to furnish acceptable proof of good faith efforts, submitted to MDOT Contract Administration Division prior to bid opening, shall be just cause for rejection of the proposal. Award may then be made to the next lowest responsive bidder or the project may be re-advertised.

### **GOOD FAITH EFFORTS**

The following factors are illustrative of matters the Department will consider in judging whether or not the bidder has made adequate good faith effort to satisfy the contract goal.

- (1) Whether the bidder attended the pre-bid meeting that was scheduled by the Department to inform DBEs of subcontracting opportunities;
- (2) Whether the bidder advertised in general circulation, trade association, and minority-focus media concerning the subcontracting opportunities;
- (3) Whether the bidder provided written notice to a reasonable number of specific DBEs that their interest in the contract is being solicited;
- (4) Whether the bidder followed up initial solicitations of interest by contacting DBEs to determine with certainty whether they were interested;
- (5) Whether the bidder selected portions of the work to be performed by DBEs in order to increase the likelihood of meeting the contract goal;
- (6) Whether the bidder provided interested DBEs with adequate information about the plans, specifications and requirements of the contract;

- (7) Whether the bidder negotiated in good faith with interested DBEs and did not reject them as unqualified without sound reasons based on a thorough investigation of their capabilities; and
- (8) Whether the bidder made efforts to assist interested DBEs in obtaining any required bonding or insurance.
- (9) Whether the bidder has written notification to certified DBE Contractors soliciting subcontracting for items of work in the contract.
- (10) Whether the bidder has a statement of why an agreement was not reached.
- (11) Proof of written notification to certified DBE Contractors by certified mail that their interest is solicited in subcontracting the work defaulted by the previous DBE or in subcontracting other items of work in the contract.

The bidder’s execution of the signature portion of the proposal shall constitute execution of the following assurance:

The bidder hereby gives assurance pursuant to the applicable requirements of "Moving Ahead for Progress in the 21<sup>st</sup> Century Act (MAP-21)" and applicable requirements of "Title 49, Code of Federal Regulations, Part 26" that the bidder has made a good faith effort to meet the contract goal for DBE participation for which this proposal is submitted.

### **DIRECTORY**

A list of “Certified DBE Contractors” which have been certified as such by the Mississippi Department of Transportation and other Unified Certification Partners (UPC) can be found on the Mississippi Department of Transportation website at [www.mdot.ms.gov](http://www.mdot.ms.gov). The list is in the top left corner of the current Letting Calendar under Contracts & Letting. The DBE firm must be certified at the time the project is let and approved by MDOT to count towards meeting the DBE goal.

### **REPLACEMENT**

If a DBE Subcontractor cannot perform satisfactorily, and this causes the OCR-481 commitment to fall below the contract goal, the Contractor shall take all necessary reasonable steps to replace the DBE with another certified DBE Subcontractor or submit information to satisfy the Mississippi Department of Transportation that adequate good faith efforts have been made to replace the DBE. The good faith efforts outlined previously in this document still apply. The replacement DBE must be a DBE who was on the Department's list of "Certified DBE Contractors" when the job was let, and who is still active. All DBE replacements must be approved by the Department.

Under no circumstances shall the Prime or any Subcontractor perform the DBE's work (as shown on the OCR-481) without prior written approval from the Department. See "Sanctions" at the end of this document for penalties for performing DBE's work.

When a Contractor proposes to substitute/replace/terminate a DBE that was originally named on the OCR-481, the Contractor must obtain a release, in writing, from the named DBE explaining why the DBE Subcontractor cannot perform the work. A copy of the original DBE's release must be attached to the Contractor's written request to substitute/replace/terminate along with appropriate Subcontract Forms for the substitute/replacement/terminated Subcontractor, all of which must be submitted to the DBE Coordinator and approved, in advance, by MDOT.

### **PRE-BID MEETING**

A pre-bid meeting will be held in the [Commission Room on the 1<sup>st</sup> Floor](#) of the [MDOT Administration Building](#) in Jackson, at 2:00 P.M. on the day preceding the date of the bid opening.

This meeting is to inform DBE firms of subcontracting and material supply opportunities. Attendance at this meeting is considered of prime importance in demonstrating good faith effort to meet the contract goal.

### **PARTICIPATION / DBE CREDIT**

Participation shall be counted toward meeting the goal in this contract as follows:

- (1) If the Prime Contractor is a certified DBE firm, only the value of the work actually performed by the DBE Prime can be counted towards the project goal, along with any work subcontracted to a certified DBE firm.
- (2) If the Contractor is not a DBE, the work subcontracted to a certified DBE Contractor will be counted toward the goal.
- (3) The Contractor may count toward the goal a portion of the total dollar value of a contract with a joint venture eligible under the standards of this provision equal to the percentage of the DBE partner in the joint venture.
- (4) Expenditures to DBEs that perform a commercially useful function may be counted toward the goal. A business is considered to perform a commercially useful function when it is responsible for the execution of a distinct element of the work and carries out its responsibilities by actually performing, managing, and supervising the work involved.
- (5) The Contractor may count 100% of the expenditures for materials and supplies obtained from certified DBE suppliers and manufacturers that produce goods from raw materials or substantially alters them for resale provided the suppliers and manufacturers assume the actual and contractual responsibility for the provision of the materials and supplies. The Contractor may count sixty percent (60%) of the expenditures to suppliers that are not

manufacturers, provided the supplier performs a commercially useful function in the supply process. Within 30 days after receipt of the materials, the Contractor shall furnish to the DBE Coordinator invoices from the certified supplier to verify the DBE goal.

- (6) Any work that a certified DBE firm subcontracts or sub-subcontracts to a non-DBE firm will not count towards the DBE goal.
- (7) Only the dollars actually paid to the DBE firm may be counted towards the DBE goal. The participation of a DBE Firm cannot be counted towards the Prime Contractor's DBE goal until the amount being counted towards the goal has been paid to the DBE.

### **AWARD**

Award of this contract to the low bidder will be contingent upon the following conditions:

- (1) Concurrence from Federal Highway Administration, when applicable.
- (2) **All Bidders** must submit to the Office of Civil Rights for approval, Form OCR-481 (DBE Commitment) no later than the 3<sup>rd</sup> business day after opening of the bids to satisfy the Department and that adequate good faith efforts have been made to meet the contract goal. For answers to questions regarding Form OCR-481, contact the MDOT Office of Civil Rights at (601) 359-7466.
- (3) Bidder must include OCR-485 information with their bid proposal listing all firms that submitted quotes for material supplies or items to be subcontracted. OCR-485 information must be **signed and** included with the bid proposal. If the OCR-485 information is not included as part of bid proposal, your bid will be deemed irregular.

Prior to the start of any work, the bidder must notify the Project Engineer, in writing, of the name of the designated "DBE Liaison Officer" for this project. This notification must be posted on the bulletin board at the project site.

### **DEFAULT**

If the contract goal established by MDOT in this proposal is 1% or greater, it must be met to fulfill the terms of the contract. The Contractor may list DBE Subcontractors and items that exceed MDOT's contract goal, but should unforeseen problems arise that would prevent a DBE from completing its total commitment percentage, the Contractor will meet the terms of the contract as long as it meets or exceeds MDOT's Contract Goal. For additional information, refer to "Replacement" section of this Notice.

### **DBE REPORTS**

- (1) OCR-481: Refer to "CONTRACT GOAL" section of this Notice to Bidders for information regarding this form.

- (2) OCR-482: At the conclusion of the project, before the final estimate is paid and the project is closed out, the Prime Contractor will submit to the Project Engineer for verification of quantities and further handling Form OCR-482 whereby the Contractor certifies to the amounts of payments made to all Contractors / Suppliers over the life of the contract. The Project Engineer shall submit the completed Form OCR-482 to the DBE Coordinator (Office of Civil Rights). Final acceptance of the project is dependent upon Contract Administration Division's receipt of completed Form OCR-482 which they will receive from the Office of Civil Rights.
- (3) OCR-483: The Project Engineer/Inspector will complete Form OCR-483, the Commercially Useful Function (CUF) Performance Report, in accordance with MDOT S.O.P. No. OCR-03-05-02-483. Evaluations reported on this form are used to determine whether or not the DBE firm is performing a CUF. The Prime Contractor should take corrective action when the report contains any negative evaluations. DBE credit may be disallowed and/or other sanctions imposed if it is determined the DBE firm is not performing a CUF. This form should also be completed and returned to the DBE Coordinator (Office of Civil Rights).
- (4) OCR-484: Each month, the Prime Contractor will submit to the Project Engineer OCR-484 that certifies payments to all Subcontractors and shows all firms even if the Prime Contractor has paid no monies to the firm during that estimate period (negative report). The Project Engineer will attach the form to the monthly estimate before forwarding to the Contract Administration Division for further processing. Failure of the Contractor to submit the OCR-484 will result in the estimate not being processed and paid.
- (5) OCR-485: ALL BIDDERS must submit signed form with bid proposal of all firms that submitted quotes for material supplies or items to be subcontracted. If the OCR-485 information is not included as part of bid proposal, the bid will be deemed irregular.
- (6) OCR-487: Only used by Prime Contractors that are certified DBE firms. This form is used in determining the exact percentage of DBE credit for the specified project. The low Bidder should return this form to MDOT with the OCR-481 form, or can also be returned with the Permission to Subcontract Forms (CAD-720, CAD-725 and CAD-521).

DBE Forms, can be obtained from the Office of Civil Rights Division, MDOT Administration Building, 401 North West Street, Jackson, MS, or at [www.mdot.ms.gov](http://www.mdot.ms.gov) under the Civil Rights tab.

### SANCTIONS

The Department has the option to enforce any of the following penalties for failure of the Prime Contractor to fulfill the DBE goal as stated on the OCR-481 form or any violations of the DBE program guidelines:

- (1) Disallow credit towards the DBE goal

(2) Withhold progress estimate payments

(3) Deduct from the final estimate or recover an amount equal to the unmet portion of the DBE goal which may include additional monetary penalties as outlined below based on the number of offenses and the severity of the violation as determined by MDOT.

1 <sup>st</sup> Offense	10% of unmet portion of goal	or	\$5,000 lump sum payment	or	Both
2 <sup>nd</sup> Offense	20% of unmet portion of goal	or	\$10,000 lump sum payment	or	Both
3 <sup>rd</sup> Offense	40% of unmet portion of goal	or	\$20,000 lump sum payment	or	\$20,000 lump sum payment and debarment

(4) Debar the Contractor involved from bidding on MDOT federally funded projects for a period of up to 12 months after notification by certified email.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SECTION 904 - NOTICE TO BIDDERS NO. 2782**

**CODE: (SP)**

**DATE: 8/13/2020**

**SUBJECT: DBE Pre-Bid Meeting**

Due to the COVID-19 pandemic and the Department not allowing visitors in the Administration Building at this time, the DBE Pre-Bid Meeting referenced on Page 5 of Notice to Bidders No. 2611 will be held by **video conference only**. The meeting will be held at 2:00 P.M. on the day preceding the date of the bid opening using Zoom video conferencing software. Anyone interested in participating can download Zoom and connect to the meeting at the below link.

<https://zoom.us/j/5548736403?pwd=SDh5S2hQSE5pNG5FOEkzR3NsUnBYQT09>

Password (if prompted): 272147

For those unable to participate via Zoom, the below teleconference number may be used instead.

1-888-227-7517

Conference Code: 404496

## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 2954

CODE: (SP)

DATE: 12/01/2020

SUBJECT: Reflective Sheeting for Signs

Bidders are hereby advised that the retroreflective sign sheeting used for signs on this project shall be as listed below and shall meet the requirements of Subsection 721.06.

### Temporary Construction Signs

Temporary traffic control (orange) sign sheeting shall be a minimum Type IX Fluorescent Orange sheeting as shown in Special Provision 907-721.

### Permanent Signs

Permanent signs, except signs on traffic signal poles/mast arms, shall be as follows:

- Brown background sheeting on guide signs shall be a minimum Type VIII sheeting,
- Green and blue background sheeting on guide signs shall be a minimum Type IX sheeting, and
- All white, yellow, red, fluorescent yellow, and fluorescent yellow/green sheeting shall be Type XI sheeting.



**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SECTION 904 – NOTICE TO BIDDERS NO. 3117**

**CODE: (SP)**

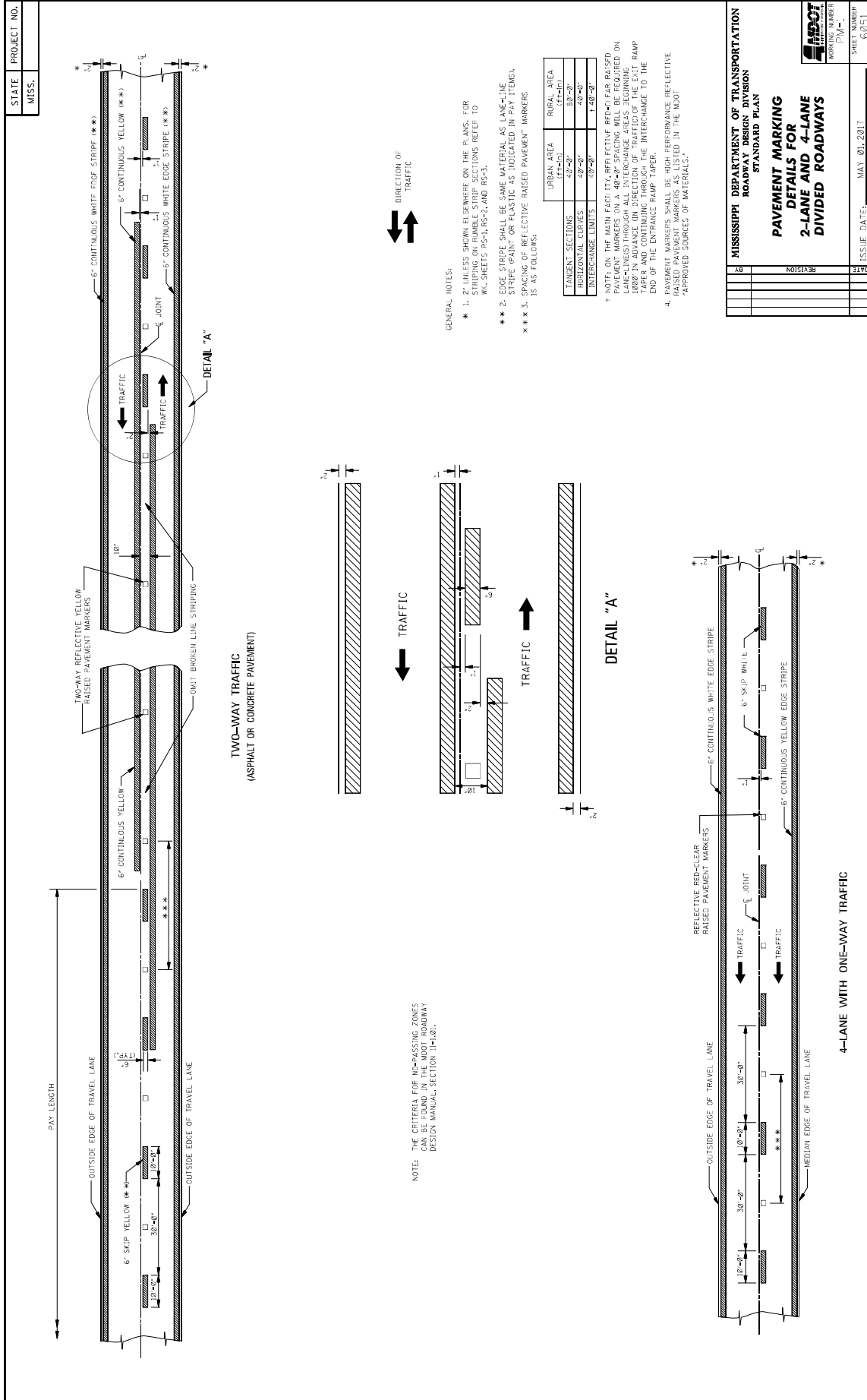
**DATE: 02/23/2021**

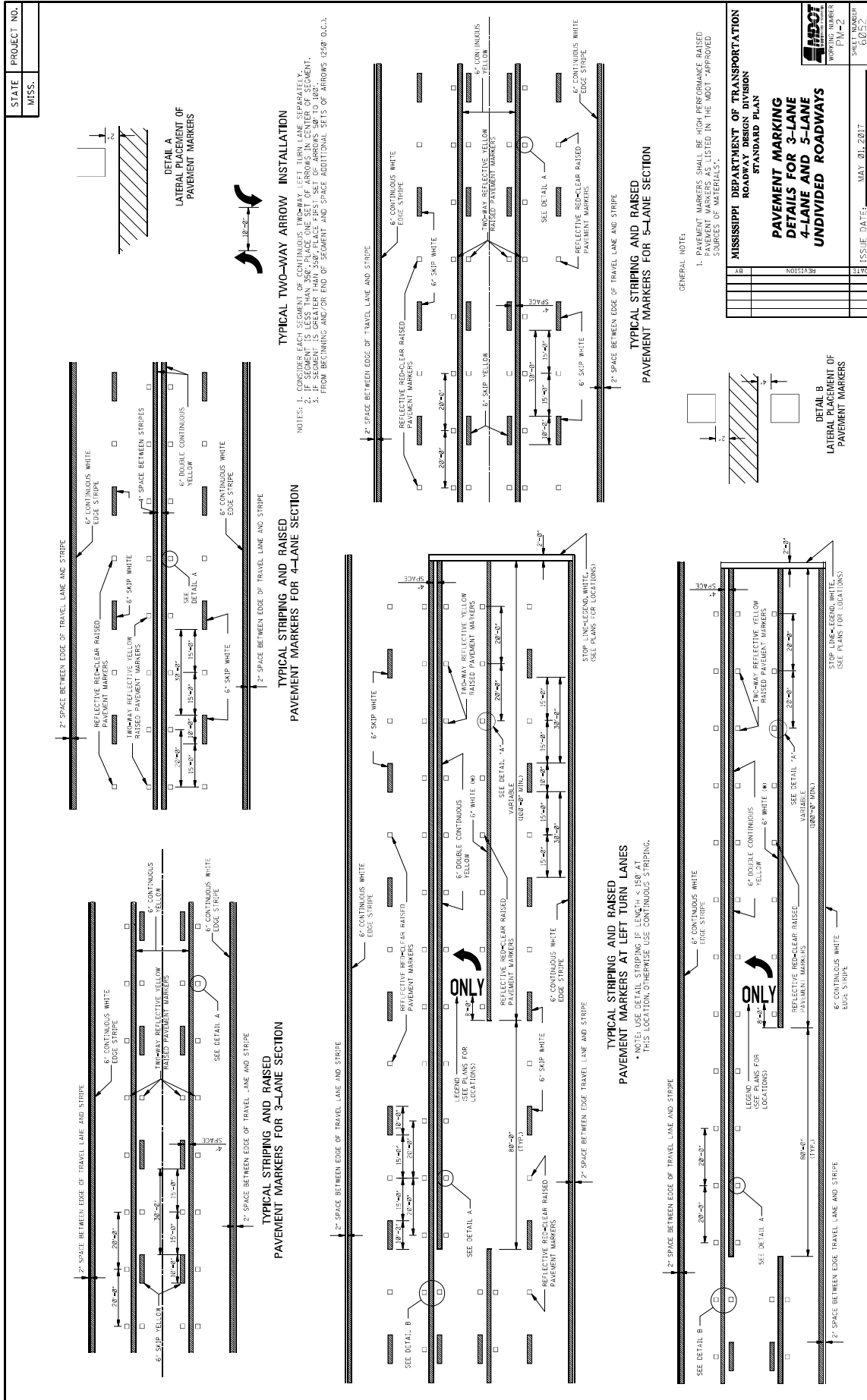
**SUBJECT: Standard Drawings**

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

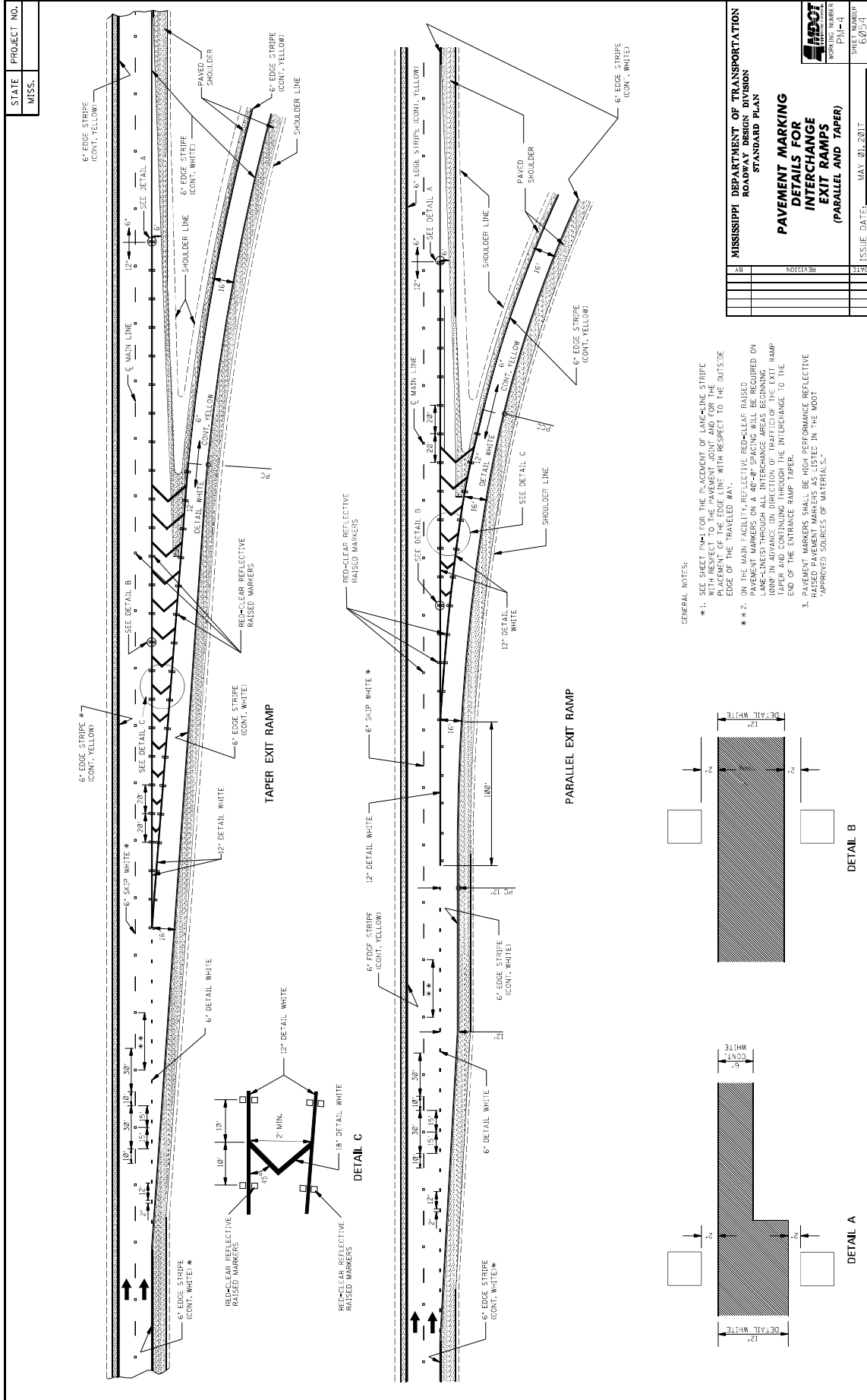
Larger copies of Standard Drawings may be purchased from:

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









- GENERAL NOTES:
- \* 1. SEE SHEET PAV-1 FOR THE PLACEMENT OF LANE-LINE STRIPE WITH RESPECT TO THE PAVEMENT JOINT AND FOR THE PLACE OF THE PAVED SHOULDER WITH RESPECT TO THE OUTSIDE EDGE OF THE PAVED SHOULDER.
  - \*\* 2. RAISED PAVEMENT MARKERS (RPM) SHALL BE REQUIRED ON LANE-LINES THROUGH ALL INTERCHANGE AREAS BEGINNING 100' IN ADVANCE IN DIRECTION OF TRAFFIC OF THE EXIT RAMP TAPER AND CONTINUING THROUGH THE INTERCHANGE TO THE END OF THE ENTRANCE RAMP TAPER.
  3. RAISED PAVEMENT MARKERS SHALL BE HIGH PERFORMANCE REFLECTIVE 'APPROVED SOURCES OF MATERIALS.'

<b>MISSISSIPPI DEPARTMENT OF TRANSPORTATION</b>	
<b>ROADWAY DESIGN DIVISION</b>	
<b>STANDARD PLAN</b>	
<b>PAVEMENT MARKING</b>	
<b>INTERCHANGE</b>	
<b>EXIT RAMP</b>	
<b>(PARALLEL AND TAPER)</b>	
SHEET NUMBER	ISSUE DATE:
PL-4	MAY 20, 2017
WORKING NUMBER	
672541	

STATE MISS.	PROJECT NO.										
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6'-4"

8'-4"

4"

6'-4"

8'-4"

4"

6'-4"

8'-4"

4"

6'-4"

8'-4"

4"

5'-4"

8'-4"

4"

7'-0"

8'-4"

4"

7'-0"

8'-4"

4"

8'-0"

8'-4"

4"

8'-4"

9'-8"

4"

GENERAL NOTES:

- TWO HORIZONTAL GAPS (CAUSED BY TEMPLATE CONNECTIONS) OF 1/4" SHALL BE SHOWN EXTENDING FULL WIDTH OF LETTERS.
- FOR OTHER DETAILS, SEE THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. LEGENDS ARE AS FOLLOWS:

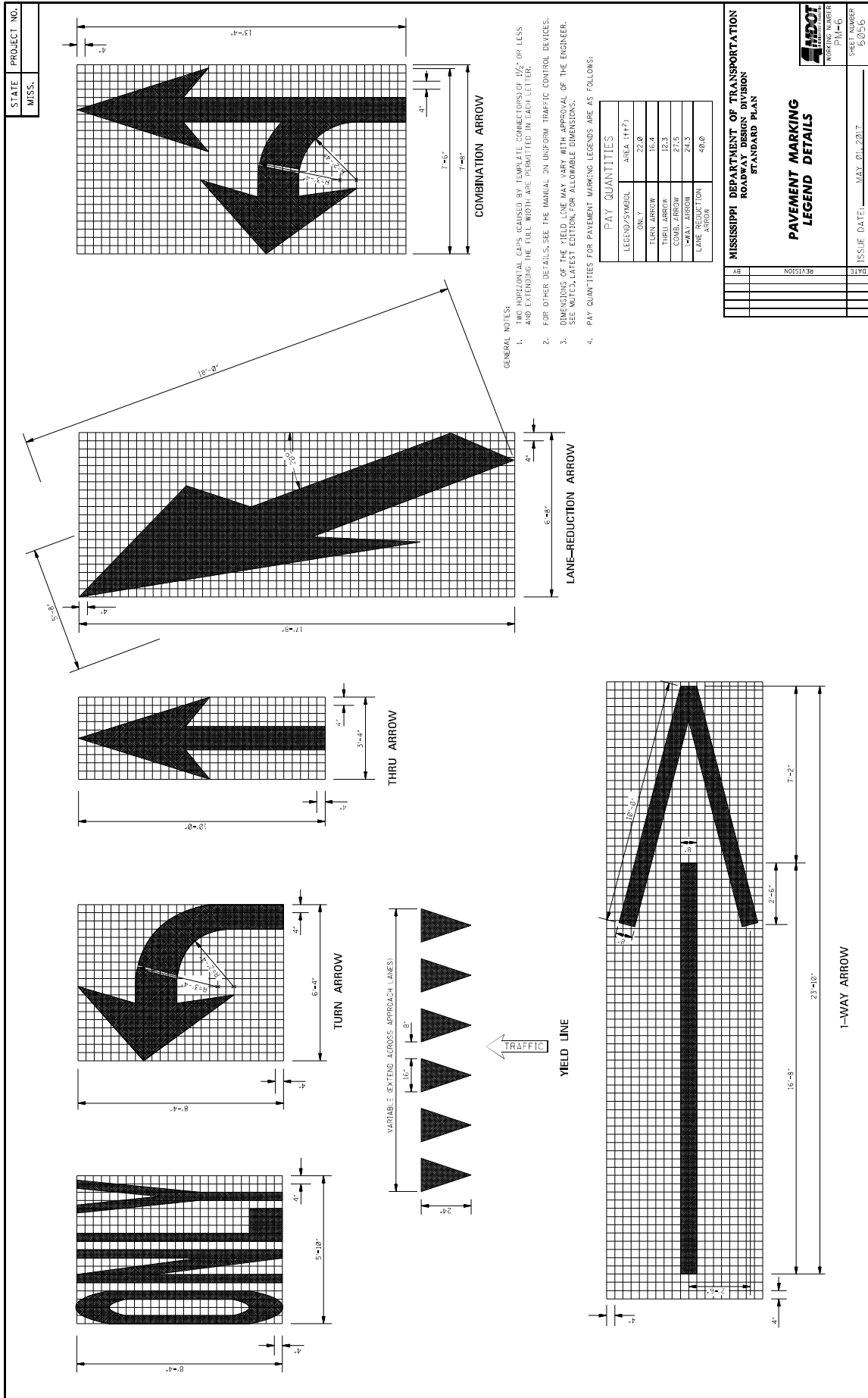
LEGEND	AREA (FT <sup>2</sup> )
STOP	24.6
RIGHT	28.6
LEFT	19.5
TRAFFIC	22.2
YIELD	26.8
EXIT	18.5
SIGNAL	32.5
SCHOOL	35.2

MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
ROADWAY DESIGN DIVISION  
STANDARD PLAN

**PAVEMENT MARKING  
LEGEND DETAILS**

DATE	BY	REVISION								
ISSUE DATE: MAY 01, 2017										
SHEET NUMBER 60535										



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

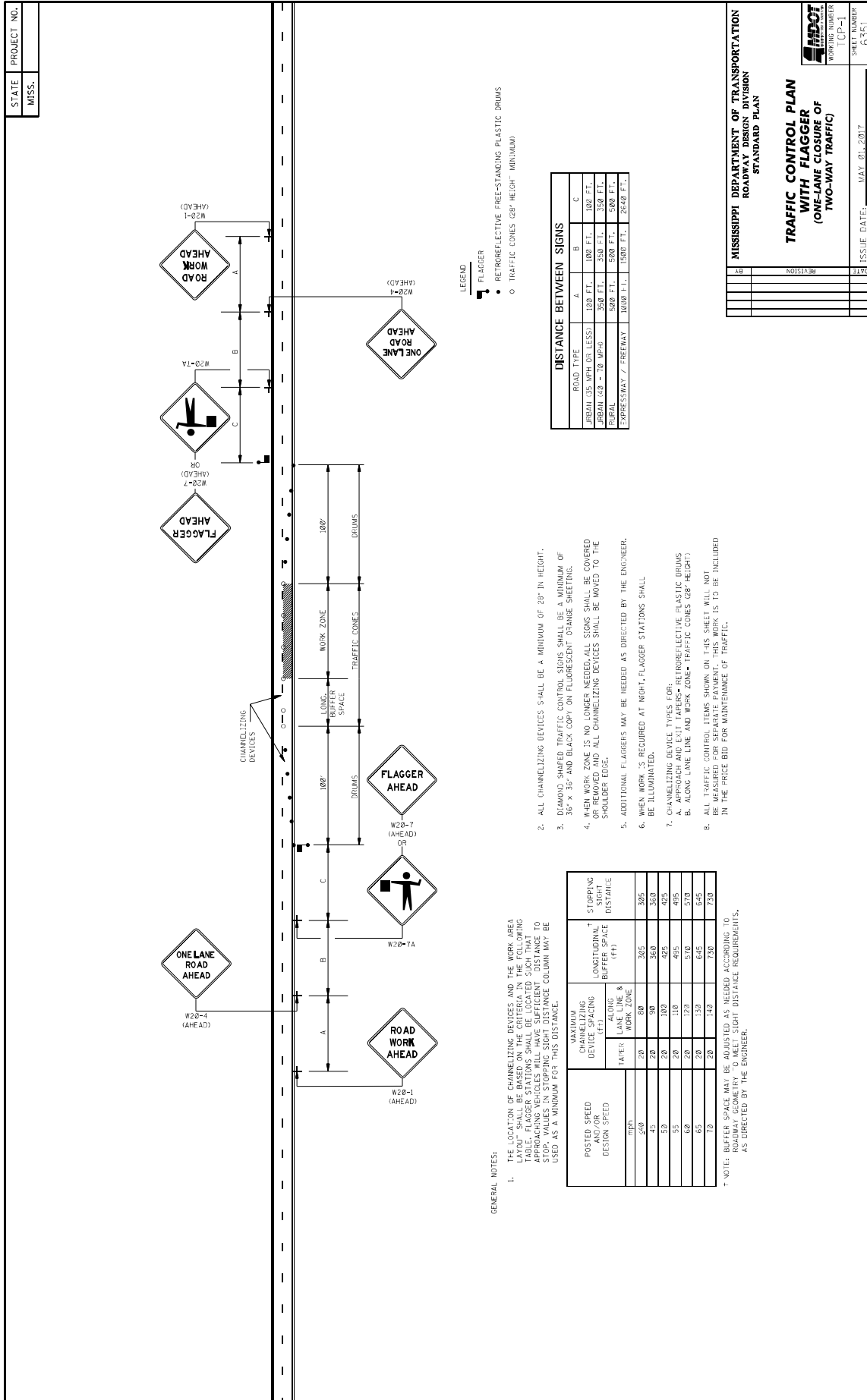
**PAVEMENT MARKING  
LEGEND DETAILS**

DATE	BY	REVISION	DATE	BY	REVISION	DATE	BY	REVISION

SHEET NUMBER: P11-6  
 TOTAL SHEETS: 60/56  
 ISSUE DATE: MAY 01, 2017







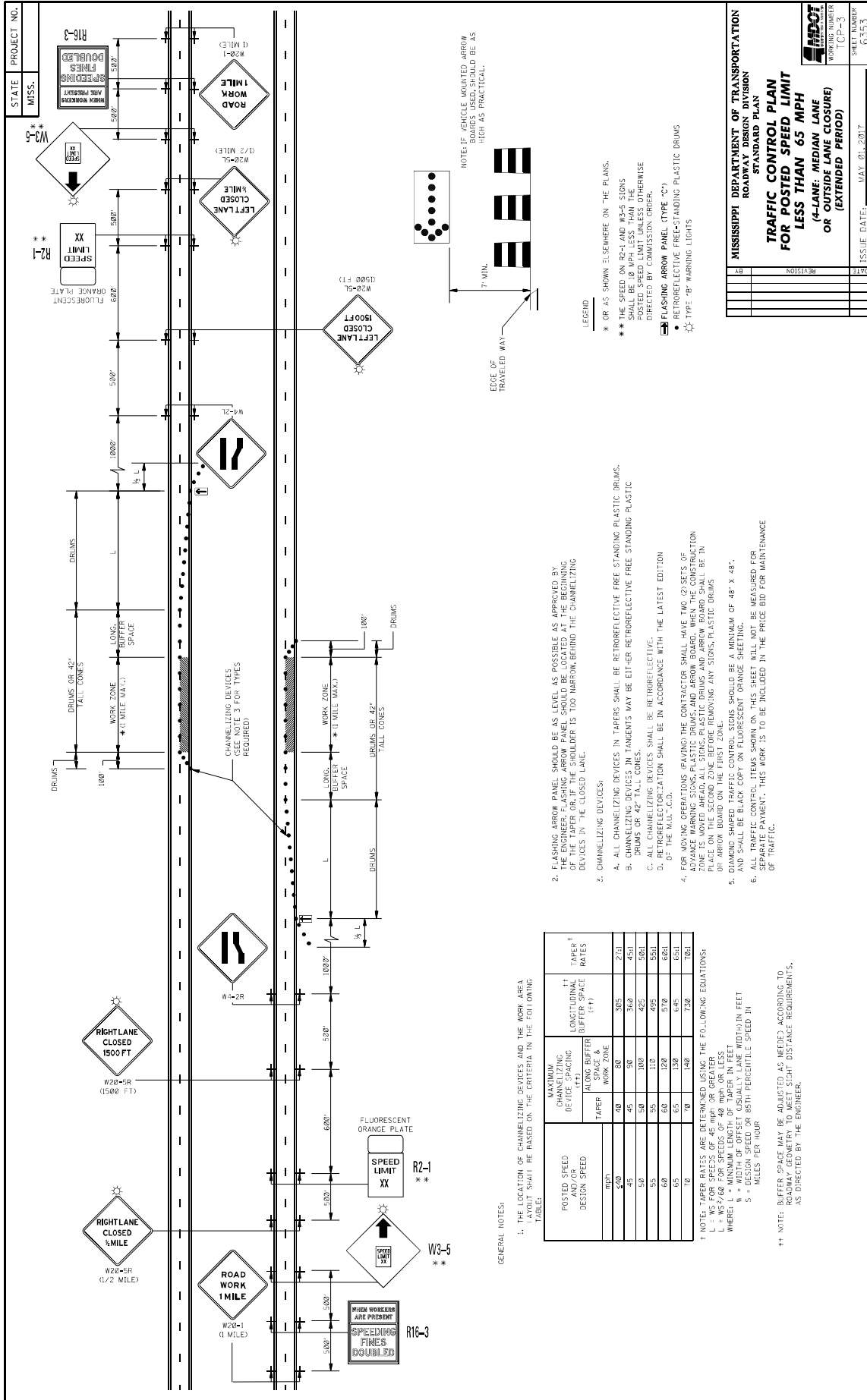
**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**  
ROADWAY DESIGN DIVISION  
STANDARD PLAN

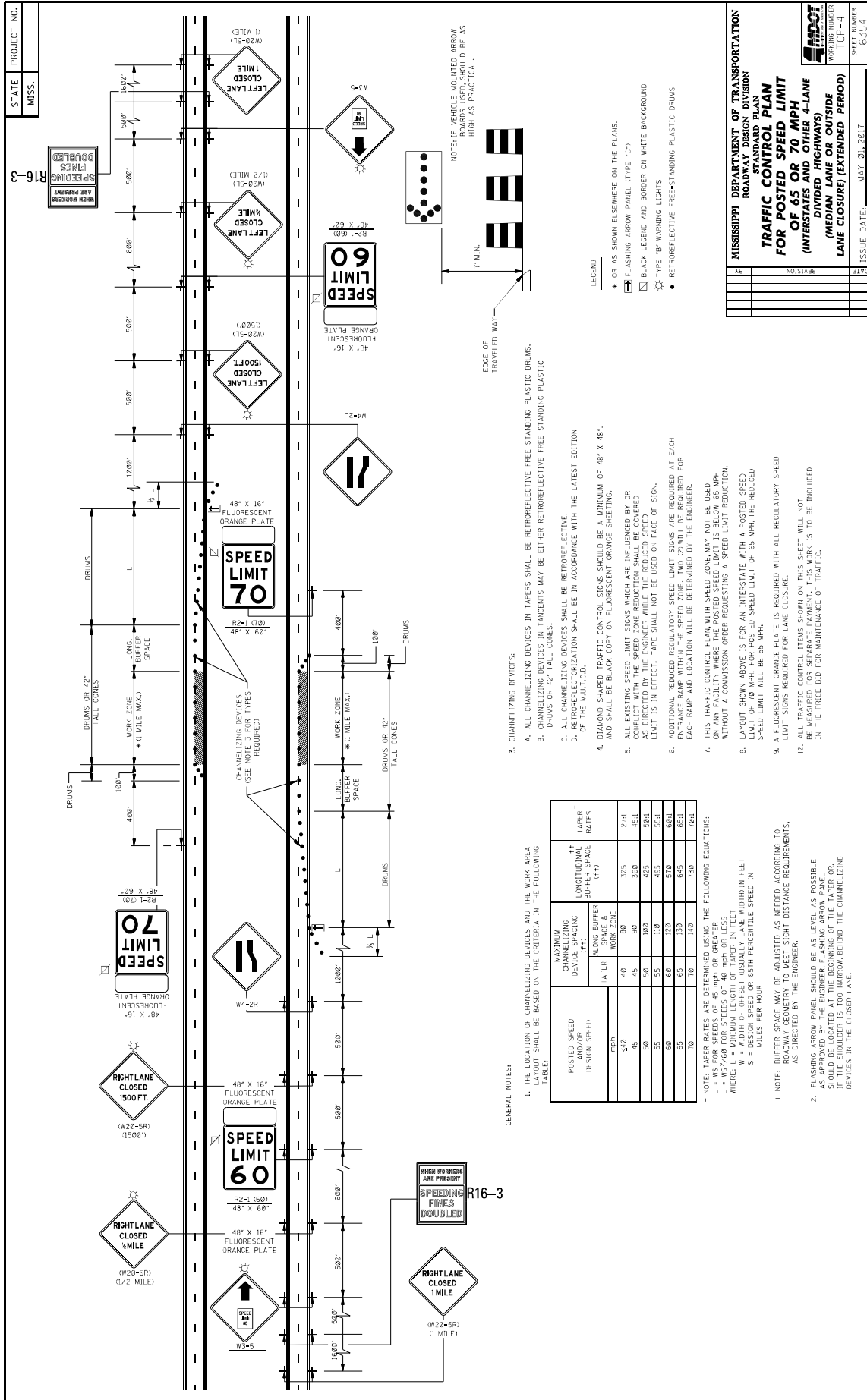
**TRAFFIC CONTROL PLAN**  
**WITH FLAGGER**  
**(ONE-LANE CLOSURE OF TWO-WAY TRAFFIC)**

WORKING NUMBER: [CP-1]  
SHEET NUMBER: 6351

ISSUE DATE: MAY 01, 2017







STATE PROJECT NO.  
MISS. R16-3

WHEN WORKERS ARE WORKING SPEEDING FINES DOUBLED

MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
ROADWAY DESIGN DIVISION  
TRAFFIC CONTROL PLAN  
FOR POSTED SPEED LIMIT  
OF 65 OR 70 MPH  
(INTERSTATES AND OTHER 4-LANE  
DIVIDED HIGHWAYS)  
(MEDIUM LANE OR OUTSIDE  
LANE CLOSED (EXTENDED PERIOD))  
ISSUE DATE: MAY 20, 2012  
SHEET NUMBER  
CP-44  
6554

- GENERAL NOTES:
1. THE LOCATION OF CHANNELIZING DEVICES AND THE WORK AREA TAPER SHALL BE BASED ON THE CRITERIA IN THE FOLLOWING TABLE:
- | POSTED SPEED<br>(DESIGN SPEED)<br>MPH | MAXIMUM<br>CHANNELIZING<br>DEVICE SPACING<br>(AFLK) |            | LONGITUDINAL<br>BUFFER SPACE<br>(FT) | TAPER<br>RATES |
|---------------------------------------|---|------------|--------------------------------------|----------------|
|                                       | ALONG<br>SPACE &<br>WORK ZONE                       | TRANSVERSE |                                      |                |
| 50                                    | 40  | 80         | 300                                  | 2/1            |
| 45                                    | 40  | 80         | 300                                  | 2/1            |
| 40                                    | 40  | 80         | 300                                  | 2/1            |
| 35                                    | 40  | 80         | 300                                  | 2/1            |
| 30                                    | 40  | 80         | 300                                  | 2/1            |
| 25                                    | 40  | 80         | 300                                  | 2/1            |
| 20                                    | 40  | 80         | 300                                  | 2/1            |
| 15                                    | 40  | 80         | 300                                  | 2/1            |
| 10                                    | 40  | 80         | 300                                  | 2/1            |
- † NOTE: TAPER RATES ARE DETERMINED USING THE FOLLOWING EQUATIONS:  
 †† NOTE: BUFFER SPACE MAY BE ADJUSTED AS NEEDED ACCORDING TO ROADWAY GEOMETRY TO MEET SIGHT DISTANCE REQUIREMENTS, AS DIRECTED BY THE ENGINEER.  
 ††† NOTE: FLASHING ARROW PANEL SHOULD BE AS LEVEL AS POSSIBLE AS APPROVED BY THE ENGINEER. FLASHING ARROW PANEL SHOULD BE LOCATED AT THE BEGINNING OF THE TAPER OR AT THE END OF THE TAPER, BEHIND THE CHANNELIZING DEVICES IN THE CLOSED LANE.
2. CHANNELIZING DEVICES IN TAPERS SHALL BE RETROREFLECTIVE FREE STANDING PLASTIC DRUMS.
  3. CHANNELIZING DEVICES IN TANGENTS MAY BE EITHER RETROREFLECTIVE FREE STANDING PLASTIC DRUMS OR 42" TALL CONES.
  4. ALL CHANNELIZING DEVICES SHALL BE RETROREFLECTIVE.
  5. ALL EXISTING SPEED LIMIT SIGNS WHICH ARE INFLUENCED BY OR CONFLICT WITH THE SPEED ZONE REDUCTION SHALL BE COVERED WITH RETROREFLECTIVE SHEETING.
  6. DIAMOND SHAPED TRAFFIC CONTROL SIGNS SHOULD BE A MINIMUM OF 48" X 48" AND SHALL BE BLACK COPY ON FLUORESCENT ORANGE SHEETING.
  7. THIS TRAFFIC CONTROL PLAN WITH SPEED ZONE MAY NOT BE USED ON ANY FACILITY WHERE THE POSTED SPEED LIMIT IS BELOW 65 MPH WITHOUT A COMMISSION ORDER REQUESTING A SPEED LIMIT REDUCTION.
  8. LAYOUT SHOWN ABOVE IS FOR AN INTERSTATE WITH A POSTED SPEED LIMIT OF 70 MPH. FOR POSTED SPEED LIMIT OF 65 MPH, THE REDUCED SPEED LIMIT WILL BE 55 MPH.
  9. A FLUORESCENT ORANGE PLATE IS REQUIRED WITH ALL REGULATORY SPEED LIMIT SIGNS REQUIRED FOR LANE CLOSURE.
  10. ALL TRAFFIC CONTROL ITEMS SHOWN ON THIS SHEET WILL NOT BE MEASURED FOR SEPARATE PAYMENT, THIS WORK IS TO BE INCLUDED IN THE PRICE BID FOR MAINTENANCE OF TRAFFIC.

- LEGEND
- \* OR AS SHOWN ELSEWHERE ON THE PLANS.
  - † FLASHING ARROW PANEL (TYPE "C")
  - BLACK LEADED AND BORDER ON WHITE BACKGROUND
  - ☆ TYPE "B" MARKING LIGHTS
  - RETROREFLECTIVE FREE-STANDING PLASTIC DRUMS
- NOTE: IF VEHICLE MOUNTED ARROW SHOULD BE AS HIGH AS PRACTICAL.



STATE PROJECT NO.  
MISS.

WORKING NUMBER  
ICP-5

SHEET NUMBER  
6350

ISSUE DATE: MAY 21, 2017

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

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

DATE	REVISION

**WING BARRICADES**

1. WING BARRICADES ARE TYPE II BARRICADES ERECTED ON THE SHOULDER OF A ROADWAY OR RESTRICTED ROADWAY. WING BARRICADES MAY BE USED AS A MOUNTING FOR THE ADVANCE WARNING SIGNS OR FLASHERS.

2. WING BARRICADES SHOULD BE USED:

A. IN ADVANCE OF A CONSTRUCTION PROJECT EVEN WHEN NO PART OF THE ROADWAY IS ACTUALLY CLOSED.

B. IN ADVANCE OF ALL BRIDGE OR CULVERT WIDENING OPERATIONS.

**PLASTIC DRUM STRIPING DETAIL**

1. PLASTIC DRUMS SHALL BE ON END AND USED AS AN EXPEDIENT METHOD FOR TRAFFIC CHANNELIZATION. THE COLOR AND MARKING OF DRUMS SHALL BE CONSISTENT WITH MARKING STRIPES. THE PREFERRED COLOR OF DRUMS WITH MARKING STRIPES SHALL BE RETROREFLECTIVE. HORIZONTAL, CIRCUMFERENTIAL STRIPES (2 ORANGE & 2 WHITE) 6" WIDE.

2. DRUMS SHOULD NEVER BE PLACED IN THE ROADWAY WITHOUT WARNING SIGNS.

3. WHERE PRACTICAL PLASTIC DRUMS SHOULD BE PLACED NO CLOSER THAN 3'-0" FROM THE EDGE OF TRAVELED LANE.

**BARRICADE CHARACTERISTICS**

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

\* 1. FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES MAY BE USED.

\*\* 2. BARRICADES INTENDED FOR USE ON EXPRESSWAYS, FREEWAYS AND OTHER HIGH SPEED ROADWAYS, SHALL HAVE A MINIMUM OF 270 IN<sup>2</sup> OF REFLECTIVE AREA FACING TRAFFIC.

**STANDARD BARRICADES**

1. THE MARKING FOR BARRICADE RAILS SHALL BE ORANGE AND WHITE (SLOPING DOWNWARD AT AN ANGLE OF 45° IN THE DIRECTION OF TRAFFIC IS TO PASS).

2. RAIL STRIPE SHALL BE 6 INCHES, EXCEPT THAT 4-INCH WIDE STRIPES MAY BE USED IF RAIL LENGTHS ARE LESS THAN 36 INCHES.

3. DO NOT PLACE SANDBAGS OR OTHER DEVICES TO PROVIDE MASS ON THE BOTTOM RAIL THAT WILL BLOCK VIEW OR RAIL FACE.

4. FOR ADDITIONAL INFORMATION OR DETAILS, SEE MUTCD, LATEST EDITION.

5. BARRICADES ARE CLASSIFIED BY FHWA AS CATEGORY II. MOST TYPE DEVICES WHICH REQUIRE SUCCESSFULLY CRASH TESTED. A LIST OF CRASHWORTHY BARRICADES AND OTHER CATEGORY II DEVICES CAN BE FOUND ON FHWA'S WEBSITE: [http://safety.fhwa.dot.gov/roadway\\_dept/policy\\_guidance/road\\_hardware/cat2.cfm](http://safety.fhwa.dot.gov/roadway_dept/policy_guidance/road_hardware/cat2.cfm)

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

1. TYPE 3 OBJECT MARKERS SHALL BE USED AT ALL EXPOSED BRIDGE ABUTMENTS AND AT OTHER LOCATIONS AS DETERMINED NECESSARY BY THE ENGINEER.

2. THE OM-3R IS SIMILAR EXCEPT THE STRIPES SLOPE DOWNWARD FROM THE UPPER LEFT SIDE TO THE LOWER RIGHT SIDE AND SHALL BE PLACED ON THE LEFT SIDE OF THE OBJECT.

3. THE INSIDE EDGE OF THE MARKER SHALL BE IN LINE WITH THE INNER EDGE OF THE OBSTRUCTION.

**CHEVRON SIGN DETAIL**

1. A CHEVRON SIGN CONSISTS OF A BLACK CHEVRON TYPE MARKING ON AN ORANGE BACKGROUND AND SHALL POINT IN THE DIRECTION OF TRAFFIC FLOW.

2. THE CHEVRON SIGN SHALL BE MOUNTED ON CRASHWORTHY SUPPORT.

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

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

**MOBILE OPERATIONS ON MULTILANE ROAD**

### MOBILE OPERATIONS ON TWO-LANE ROAD

**MOBILE OPERATIONS ON TWO-LANE ROAD**

**NOTES FOR MULTILANE LANE OPERATION:**

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

**NOTES FOR TWO-LANE OPERATION:**

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

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

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

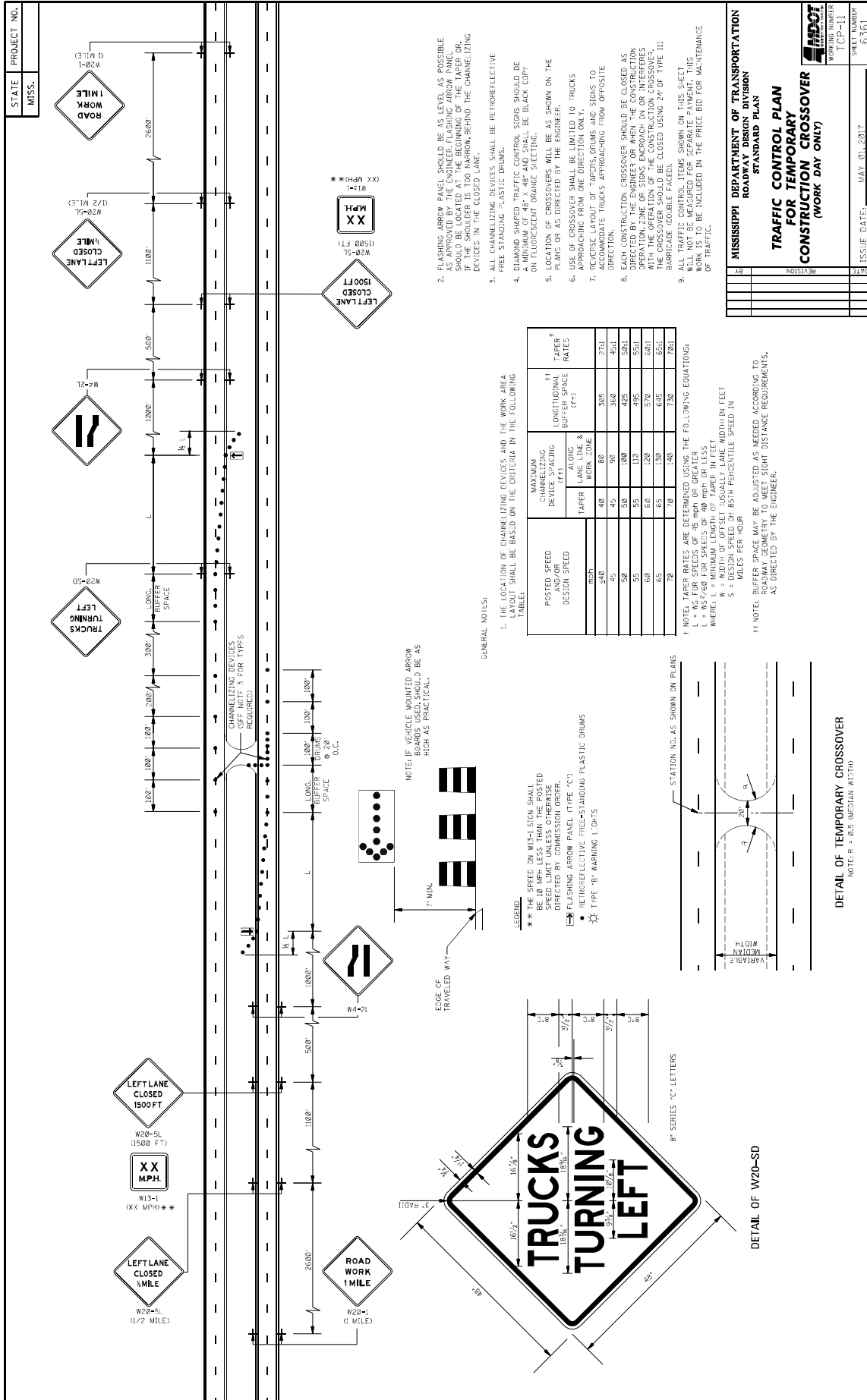
ISSUE DATE: MAY 01, 2017

REV	REVISION	
1		
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SHEET NUMBER  
TCP-9  
WORKING NUMBER  
6333



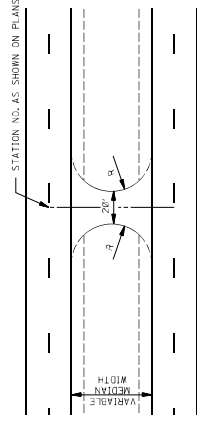




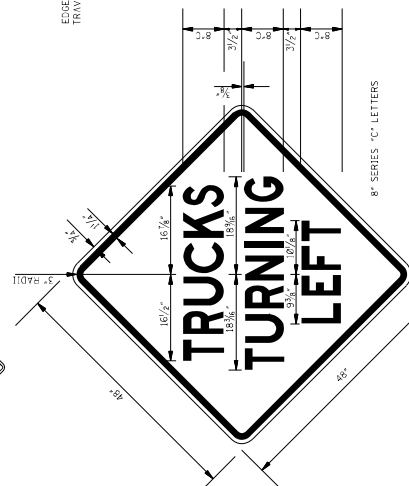
1. THE LOCATION OF CHANNELIZING DEVICES AND THE WORK AREA TAPER SHALL BE BASED ON THE CRITERIA IN THE FOLLOWING TABLE:
2. FLASHING ARROW PANELS SHOULD BE AS LEVEL AS POSSIBLE AS APPROVED BY THE ENGINEER. FLASHING ARROW PANELS SHOULD BE LOCATED AT THE BEGINNING OF THE TAPER OR, IF THE SHOULDER IS TOO NARROW, BEHIND THE CHANNELIZING DEVICES IN THE CLOSED LANE.
3. ALL CHANNELIZING DEVICES SHALL BE RETROREFLECTIVE FREE STANDING PLASTIC DRUMS.
4. DIAMOND SHAPED TRAFFIC CONTROL SIGNS SHOULD BE BLACK COPY WITH FLUORESCENT ORANGE SUCTING.
5. LOCATION OF CROSSOVERS WILL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
6. USE OF CROSSOVERS SHALL BE LIMITED TO TRUCKS APPROACHING FROM ONE DIRECTION ONLY.
7. REVERSE LAYOUT OF TAPERS, DRUMS AND SIGNS TO ACCOMMODATE TRUCKS APPROACHING FROM OPPOSITE DIRECTION.
8. EACH CONSTRUCTION CROSSOVER SHOULD BE CLOSED AS EARLY AS POSSIBLE AND KEPT CLOSED AS LONG AS POSSIBLE WITH THE OPERATION OF THE CONSTRUCTION CROSSOVER.
9. ALL TRAFFIC CONTROL ITEMS SHOWN ON THIS SHEET WILL NOT BE MEASURED FOR SEPARATE PAYMENT. THIS WORK IS TO BE INCLUDED IN THE PRICE BID FOR MAINTENANCE OF TRAFFIC.

GENERAL NOTES:

1. THE LOCATION OF CHANNELIZING DEVICES AND THE WORK AREA TAPER SHALL BE BASED ON THE CRITERIA IN THE FOLLOWING TABLE:
2. FLASHING ARROW PANELS SHOULD BE AS LEVEL AS POSSIBLE AS APPROVED BY THE ENGINEER. FLASHING ARROW PANELS SHOULD BE LOCATED AT THE BEGINNING OF THE TAPER OR, IF THE SHOULDER IS TOO NARROW, BEHIND THE CHANNELIZING DEVICES IN THE CLOSED LANE.
3. ALL CHANNELIZING DEVICES SHALL BE RETROREFLECTIVE FREE STANDING PLASTIC DRUMS.
4. DIAMOND SHAPED TRAFFIC CONTROL SIGNS SHOULD BE BLACK COPY WITH FLUORESCENT ORANGE SUCTING.
5. LOCATION OF CROSSOVERS WILL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
6. USE OF CROSSOVERS SHALL BE LIMITED TO TRUCKS APPROACHING FROM ONE DIRECTION ONLY.
7. REVERSE LAYOUT OF TAPERS, DRUMS AND SIGNS TO ACCOMMODATE TRUCKS APPROACHING FROM OPPOSITE DIRECTION.
8. EACH CONSTRUCTION CROSSOVER SHOULD BE CLOSED AS EARLY AS POSSIBLE AND KEPT CLOSED AS LONG AS POSSIBLE WITH THE OPERATION OF THE CONSTRUCTION CROSSOVER.
9. ALL TRAFFIC CONTROL ITEMS SHOWN ON THIS SHEET WILL NOT BE MEASURED FOR SEPARATE PAYMENT. THIS WORK IS TO BE INCLUDED IN THE PRICE BID FOR MAINTENANCE OF TRAFFIC.



DETAIL OF TEMPORARY CROSSOVER  
NOTE: R = 60.5' MEDIAN W/3710'



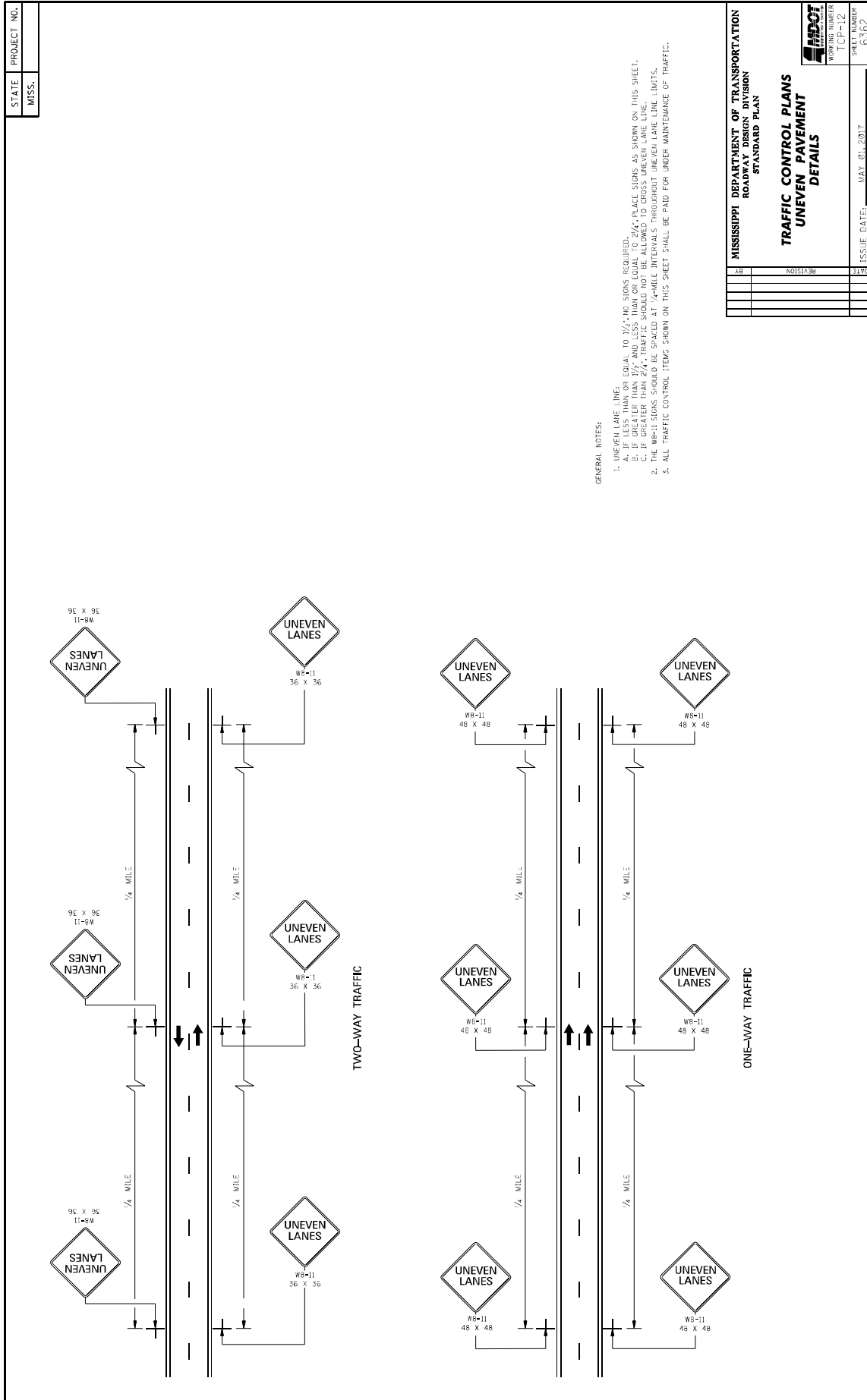
DETAIL OF W20-5D

STATE PROJECT NO. MISS.

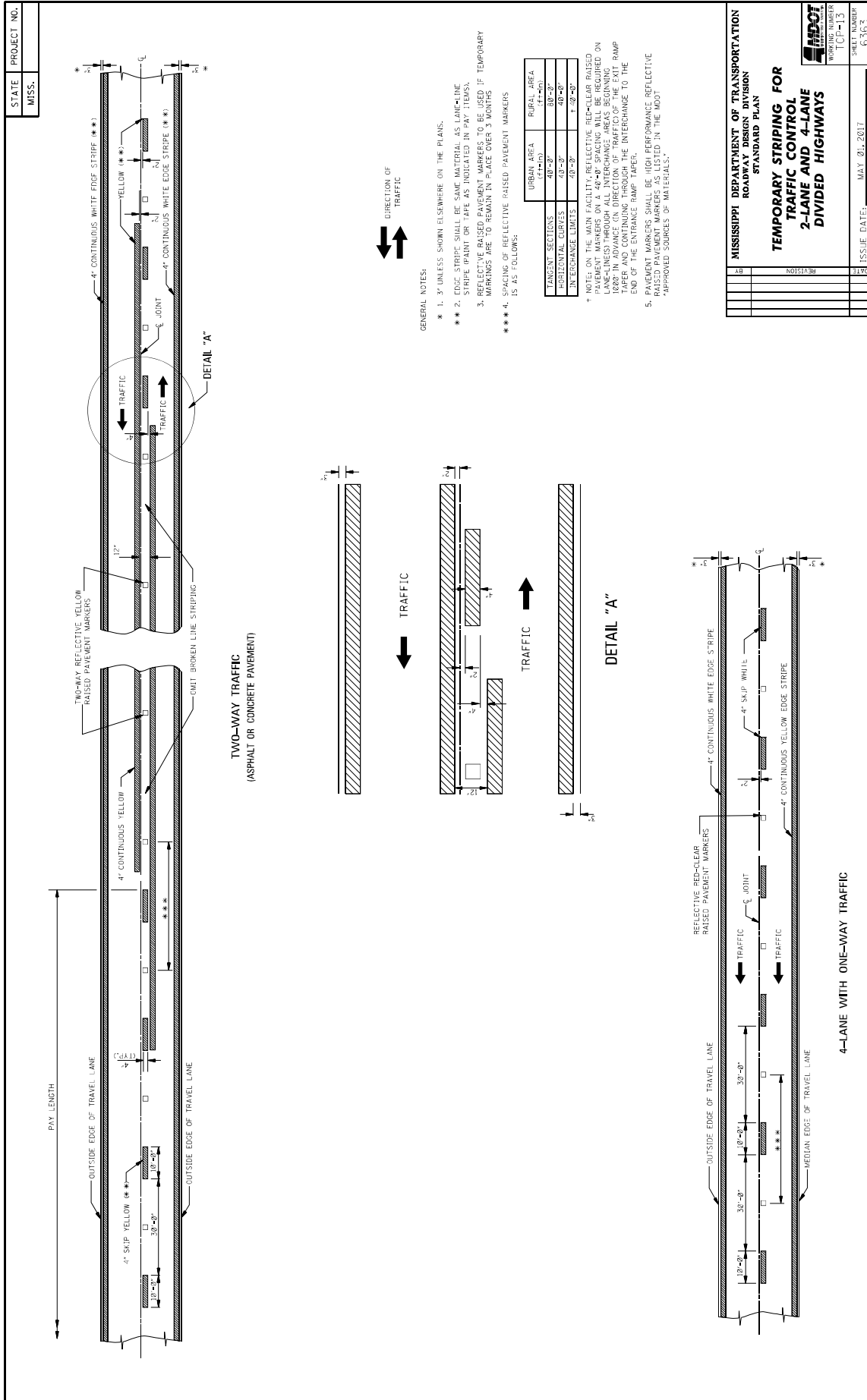
MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
ROADWAY DESIGN DIVISION  
STANDARD PLAN  
TRAFFIC CONTROL PLAN  
FOR TEMPORARY  
CONSTRUCTION CROSSOVER  
(WORK DAY ONLY)

WORKING NUMBER: TCR-11  
SHEET NUMBER: 6361

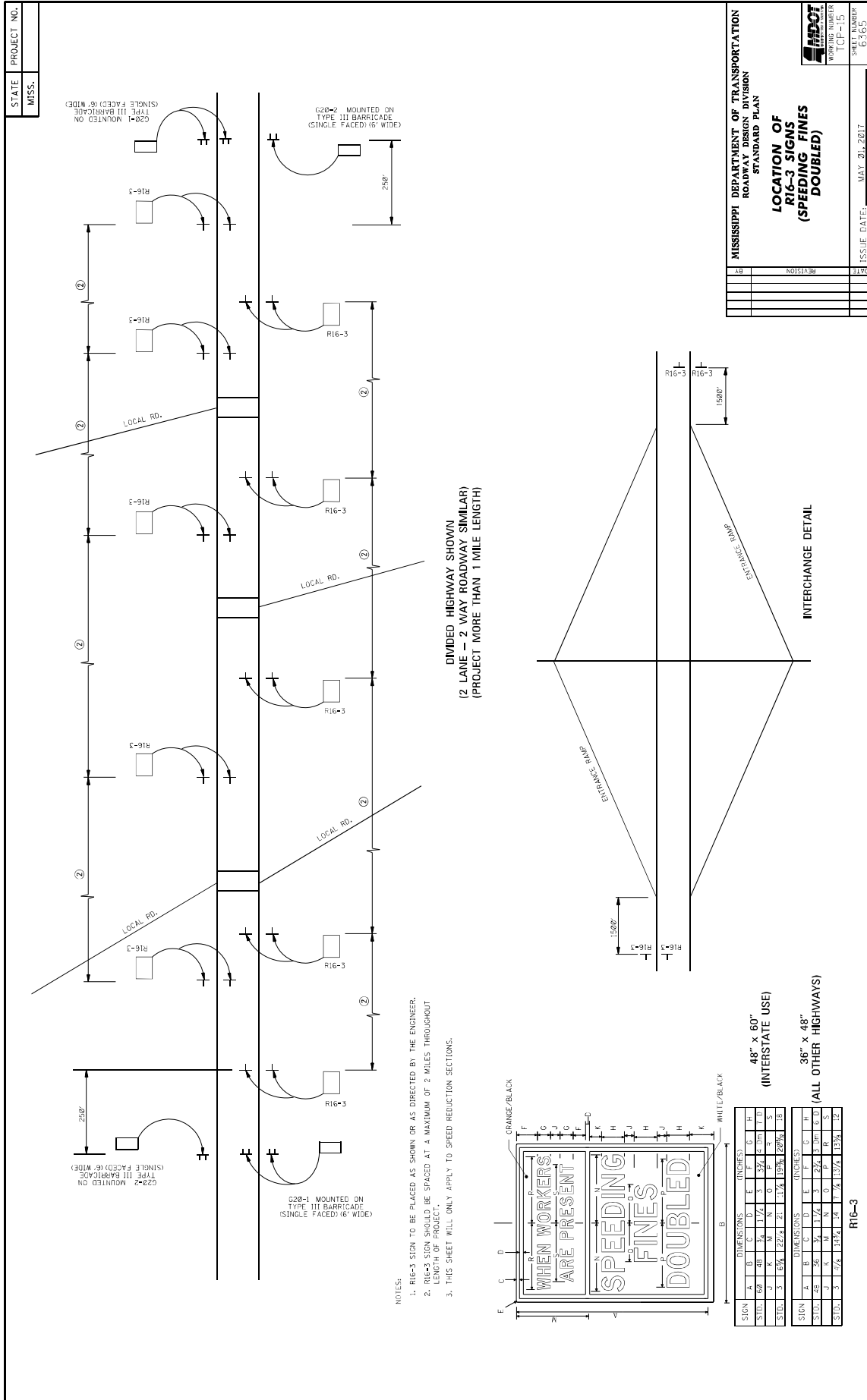
ISSUE DATE: MAY 01, 2017



MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN	
<b>TRAFFIC CONTROL PLANS UNEVEN PAVEMENT DETAILS</b>	
WORKING NUMBER	ICP-12
SHEET NUMBER	6262
ISSUE DATE:	MAY 01, 2017
REVISION	
DATE	







STATE PROJECT NO.  
MISS.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
ROADWAY DESIGN DIVISION  
STANDARD PLAN

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

ISSUE DATE: MAY 21, 2017

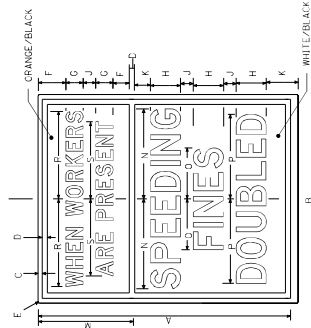
WORKING NUMBER ICF-15

SHR. NUMBER 63463

DATE	BY	REVISION

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

**DIVIDED HIGHWAY SHOWN**  
(2 LANE - 2 WAY ROADWAY SIMILAR)  
(PROJECT MORE THAN 1 MILE LENGTH)



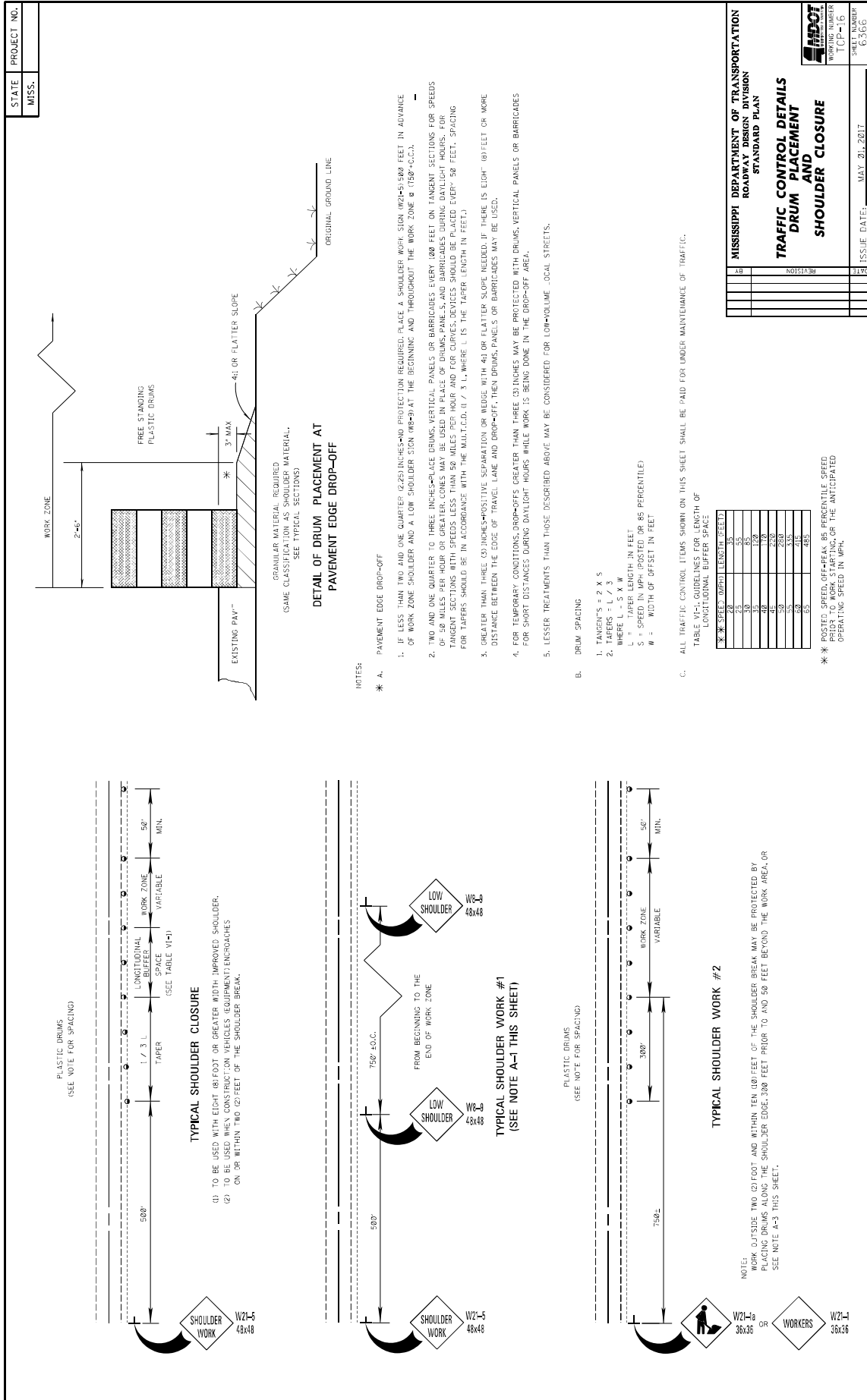
**48" x 60"**  
(INTERSTATE USE)

**36" x 48"**  
(ALL OTHER HIGHWAYS)

SIGN	A	B	C	D	E	F	G	H
STO.	60	48	36	1 1/2	5	5 1/2	4	1 1/2
STD.	3	1 1/2	1 1/2	2	1 1/2	1 1/2	1 1/2	1 1/2

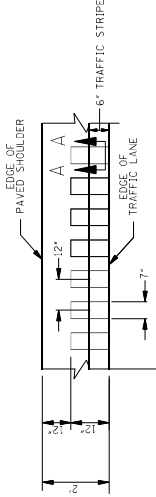
SIGN	A	B	C	D	E	F	G	H
STO.	48	36	24	1 1/2	4	4 1/2	3	1 1/2
STD.	3	1 1/2	1 1/2	2	1 1/2	1 1/2	1 1/2	1 1/2

**R16-3**

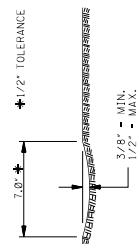


GENERAL NOTES

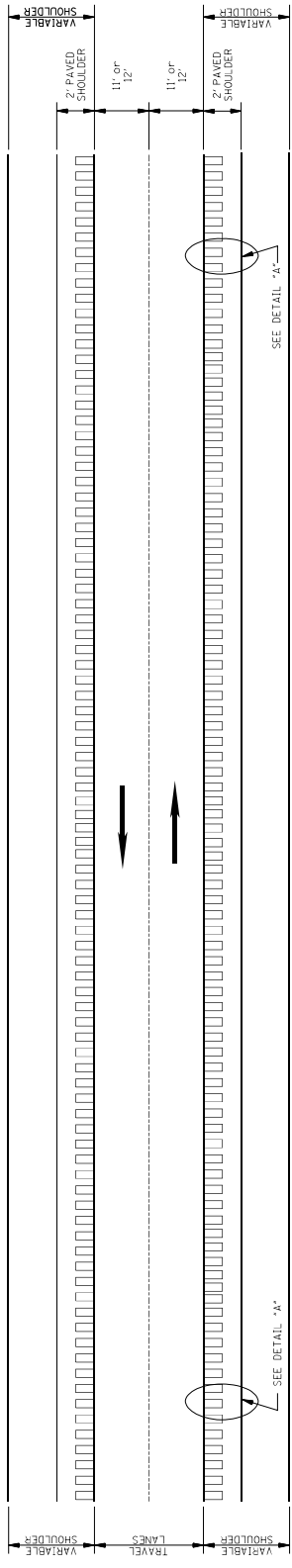
1. GROUND-IN RUMBLE STRIPES SHALL BE APPLIED TO ALL PAVED SHOULDERS OF ALL PAVED SHOULDERS ON THIS PROJECT.
2. GROUND-IN RUMBLE STRIPES SHALL BE APPLIED TO ALL EXISTING AND NEW ROADS, INCLUDING INTERSECTIONS, NORMAL SHOULDER WIDTH AS DIRECTED BY THE ENGINEER.
3. COST TO BE PAID FOR USING APPROPRIATE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



SECTION "A-A"



SECTION "A-A"

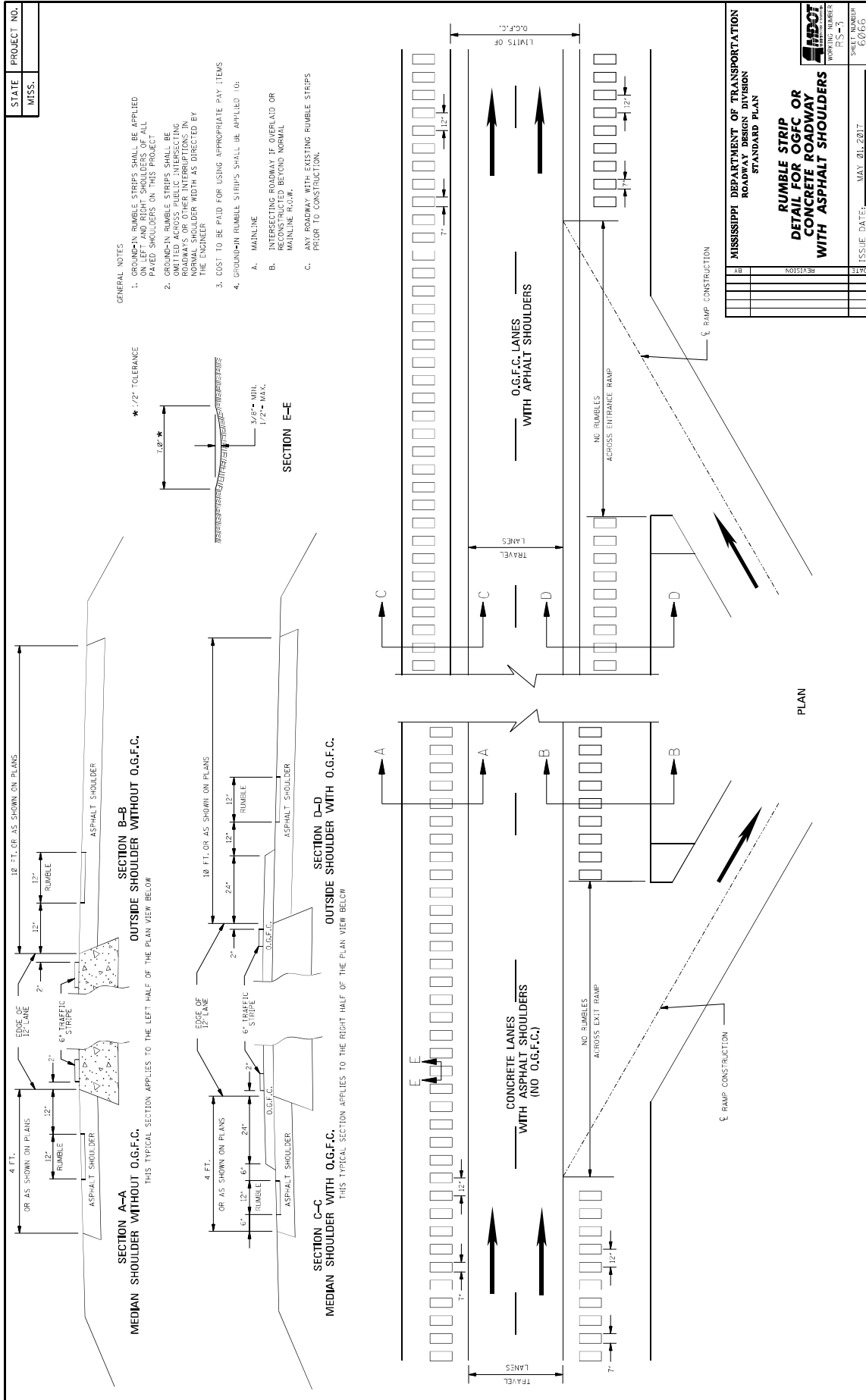


PLAN  
NOT TO SCALE

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







**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SECTION 904 - NOTICE TO BIDDERS NO. 3593**

**CODE: (SP)**

**DATE: 08/25/2021**

**SUBJECT: Contract Time**

**PROJECT: STBG-9999-01(401) / 108811301000 – Districtwide**

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 October 12, 2021 and the date for Notice to Proceed / Beginning of Contract Time will be March 10, 2022.

Should the Contractor request a Notice to Proceed earlier than March 10, 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.

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

**Contract Time was calculated with the assumption that Shop Drawing Submittals and Fabrication will begin upon Notice of Award.**

# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 -- NOTICE TO BIDDERS NO. 3594

CODE: (SP)

DATE: 08/17/2021

SUBJECT: Scope of Work

PROJECT: STBG-9999-01(401) 108811301 -- District 1

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".

## **DISTRICT WIDE SIGN REPLACEMENT** **DISTRICT 1**

Work on this project shall consist of fabrication and installation of new sheet aluminum or extruded panel aluminum signs as well as removal and delivery of the existing signs. The Contractor shall also be responsible for maintenance of traffic in accordance with MDOT Standard Drawings and/or other Special Design sheets that may be included in this proposal. Any additional construction signs may be placed as directed by the Project Engineer and will be paid for as Pay Item No. 618-B001, Additional Construction Signs.

**Roadside Directional Signs** designated herein will be replaced on designated routes and counties in MDOT District 1. All existing roadside directional signs and posts will become the property of the Contractor.

Prior to fabrication, the Contractor shall verify that the proposed dimensions of the required roadside directional signs are compatible with existing or proposed supports and do not encroach upon travel lanes. Should the Contractor identify conflicts of this nature, the Contractor shall propose modified sign dimensions as necessary with these modifications clearly identified in the sign shop submittals. Once the appropriate submittals have been approved, the Contractor shall have the signs fabricated and install them on either the existing or proposed post and mount (as indicated on the summary sheets), utilizing the existing hardware on post that are to remain in place. Replacement of corroded or missing connection hardware will be required. Such costs shall be absorbed in other items bid. If a pay item is not provided for any component or hardware necessary for installation, it shall be known that those items are to be absorbed in the cost of other items. Posts that are damaged beyond repair will be replaced using the contract pay item, as approved by the Engineer. A determination of whether the proposed sign can be installed as described above shall be made prior to removal of the existing sign. If the sign cannot be installed as described above, the Contractor shall coordinate with the Engineer to deliver the new sign to the District 1 Maintenance Headquarters in Tupelo.

**Standard Roadside Signs** designated herein shall be replaced as follows: All signs listed herein on US 72 in Alcorn County, Tippah County and Tishomingo County, US 82 in Oktibbeha County and Webster County, MS 15 in Chickasaw County, Choctaw County, Oktibbeha County, Pontotoc County, Webster County and Winston County, MS 25 in Oktibbeha County and Winston County.

Existing signs that are removed will be taken to District 1 Headquarters in Tupelo, or stockpiled at a location designated by the Engineer, and remain the property of the Department.

The Contractor shall have the standard roadside signs fabricated and install them on proposed or the existing post and/or mount, utilizing the existing hardware. Corroded or missing hardware shall be replaced; cost to be absorbed in other items. A determination of whether the proposed sign can be installed as described above shall be made prior to removal of the existing sign. If a pay item is not provided for any component or hardware necessary for installation, it shall be known that those items are to be absorbed in the cost of other items.

**General Notes:**

1. It shall be the responsibility of the Contractor to protect the roadway and all existing structures, such as bridges, culverts, signs and curb, from damage occurring as a result of the Contractor's operations. Such damage as described will be repaired by the Contractor, as soon as possible after it occurs, at no cost to the Department.
2. The Contractor is responsible for verifying the location of the required devices listed, enumerated, or otherwise depicted in this Notice to Bidders, having the devices fabricated and installing them on proposed or existing posts and/or mounts using existing hardware unless specifically stated otherwise above. GPS locations are approximate and site conditions may warrant adjustment. Installation of new signs and sign assemblies shall not block visibility of any existing signs that are to remain. Recommended minimum spacing between signs is 200 feet. All field adjustments are to be approved by the Engineer.
3. Voids created by the removal of posts shall be backfilled and tamped in accordance with Section 203 of the Standard Specifications. Where posts and footings require removal in concrete islands and are to be removed and replaced, any sawcuts and removal are to be absorbed in other items. Any concrete removed will be replaced and cost to be absorbed.
4. Erection dates shall be legibly written in bold, black markings on the back of all permanent signs with a permanent marking stick that is waterproof, fade resistant, and marks on wet or dry surfaces.
5. Existing signs will be removed at the same time that the new signs are installed and as a part of the same operation.
6. All existing Standard Roadside signs that are removed under this project are to remain the property of MDOT, and shall be transported and stockpiled at the MDOT District 1 Headquarters at 1909 North Gloster Street in Tupelo. All existing posts, hardware and footings to be removed will become the property of the Contractor. The Engineer may allow the Contractor to transport and stockpile the existing signs at a more conveniently located MDOT property. Existing sign posts that are removed under this project will become the property of the Contractor.
7. Underground utilities and/or structures have not been identified. The Contractor shall be responsible for taking the appropriate actions necessary to avoid damage of possible

utilities and/or structures in locations where new posts will be placed. The contractor shall make a utility location request to 811 prior to any sign post erection.

Total Quantities Notice to Bidders No. 3594 -- Cont'd.

Pay Item No.	Pay Item	Unit	Quantity
618-A001	Maintenance Of Traffic	LS	1
618-B001	Additional Construction Signs	SF	1
620-A001	Mobilization	LS	1
630-A001	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness	SF	1872
630-A003	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness	SF	2960
630-A005	Standard Roadside Signs, Sheet Aluminum, 0.1" Thickness	SF	4507
630-B002	Interstate Directional Signs, Bolted Extruded Aluminum Panels, Ground Mounted	SF	58
630-C001	Square Tube Posts, 4.0 lb/ft	LF	2818
630-C002	Square Tube Posts, 2.0 lb/ft	LF	3150
907-630-PP002	Roadside Directional Signs, Sheet Aluminum, 0.125" Thickness, Ground Mounted	SF	1842

Summary of Quantities

Pay Item No.	Pay Item	Unit	Qty	
618-A001	Maintenance Of Traffic	LS	1	
618-B001	Additional Construction Signs	SF	1	
620-A001	Mobilization	LS	1	
630-A001	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness	SF	112.6	①
630-A003	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness	SF	263.75	①
630-A005	Standard Roadside Signs, Sheet Aluminum, 0.1" Thickness	SF	242.76	①
630-C001	Square Tube Posts, 4.0 lb/ft	LF	570	②
630-C002	Square Tube Posts, 2.0 lb/ft	LF	405	③
907-630-PP002	Roadside Directional Signs, Sheet Aluminum, 0.125" Thickness, Ground Mounted	SF	314.75	①

- ① To include cost of removal of sign panels including hardware.
- ② To include cost of removal of existing post and footing. Also to include cost of Class "B" Concrete footing for replacment sign.
- ③ To include cost of removal of existing post and footing.

Notes:

1. Install and remove signs as shown, GPS locations are approximate and site conditions may warrant adjustment.
2. Unless directed by the engineer, all existing sign assemblies not shown in this scope of work are to remain in place.
3. Installation of new signs and sign assemblies shall not block visibility of any existing signs that are to remain. All field adjustments are to be approved by the Engineer.
4. Recommended minimum spacing between signs is 200'.
5. Where posts and footings require removal in concrete islands, are to be removed and replaced, any sawcuts and removal are to be absorbed in other items. Any concrete removed will be replaced and cost to be absorbed.
6. Signs and Posts that are removed are to become the property of the contractor.
7. Any voids created with removal of existing posts are to be backfilled with suitable granular material.

**630-A001 Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness**

MUTCD ID	Size	Size	Description	Qty	Unit Area (Sq Ft)	Total Area (Sq Ft)
M1-4	24	24	US 72	2	4	8
M3-4	12	24	West	2	2	4
R1-2	36	36	Yield	4	3.9	15.6
R6-1L	12	36	One Way Left	16	3	48
R6-1R	12	36	One Way Right	7	3	21
W13-1	24	24	Advisory Speed (45 MPH)	4	4	16
					<b>Total:</b>	<b>112.6</b>

**630-A003 Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness**

MUTCD ID	Size	Size	Description	Qty	Unit Area (Sq Ft)	Total Area (Sq Ft)
R1-1	48	48	Stop	3	13.25	39.75
R2-1	48	36	Speed Limit 65	3	12	36
R2-1	48	36	Speed Limit 55	1	12	12
W3-1	48	48	Stop Ahead	3	16	48
W3-3	48	48	Signal Ahead	2	16	32
W8-13	48	48	Bridge Ices Before Road	6	16	96
					<b>Total</b>	<b>263.75</b>

**630-A005 Standard Roadside Signs, Sheet Aluminum, 0.100" Thickness**

MUTCD ID	Size	Size	Description	Qty	Unit Area (Sq Ft)	Total Area (Sq Ft)
R1-1	36	36	Stop	6	7.46	44.76
R5-1	36	36	Do Not Enter	11	9	99
W11-8	36	36	Fire Station	1	9	9
W2-1	36	36	Crossroad	1	9	9
W2-2	36	36	Side Road Right Or Left	1	9	9
W3-1	36	36	Stop Ahead	6	9	54
W3-5	36	36	Speed Reduction (55 MPH)	2	9	18
					<b>Total:</b>	<b>242.76</b>

**907-630-PP002 Roadside Directional Signs, Sheet Aluminum, 0.125" Thickness,**

MUTCD ID	Size	Size	Description	Qty	Unit Area (Sq Ft)	Total Area (Sq Ft)
XX	XX	XX	Roadside Directional Signs	14	XX	314.75
					<b>Total:</b>	<b>314.75</b>



Tippah, US 72

Sign No.	MUTCD ID	Description	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 .08 Thick Unit Area (Sq Ft)	630-A003 .125 Thick Unit Area (Sq Ft)	630-A005 .10 Thick Unit Area (Sq Ft)	630-C002 4 lb/ft Post Unit Length (FT)	630-C001 2 lb/ft Post Unit Length (FT)	907-630-PP002 Roadside Directional Sign .125 Thick Unit Area (Sq Ft)
1	R6-1L	One Way Left	12 36	U-Post	34.953663	-89.009978	3			15		
2	R6-1R	One Way Right	12 36		34.953663	-89.009978	3					
3	R2-1	Speed Limit 65	48 36		34.953032	-89.009437		12				
4	W3-1	Stop Ahead	36 36	U-Post	34.954993	-89.00925			9		15	
5	W3-1	Stop Ahead	36 36	U-Post	34.951727	-89.004972			9		15	
6	R6-1L	One Way Left	12 36	U-Post	34.954883	-88.99584	3					
7	R5-1	Do Not Enter	36 36	U-Post	34.954735	-88.995315			9			
8	R5-1	Do Not Enter	36 36	U-Post	34.955642	-88.961748			9			
9	W11-8	Fire Station	36 36	U-Post	34.955463	-88.959665			9			
10	R1-1	Stop	36 36		34.954362	-88.953742			7.46			
11	R6-1L	One Way Left	12 36	U-Post	34.954362	-88.953742	3			15		
12	R1-1	Stop	36 36		34.951957	-88.946808			7.46			
13	R6-1L	One Way Left	12 36	U-Post	34.951957	-88.946808	3			15		
14	W3-1	Stop Ahead	36 36	U-Post	34.95389	-88.946507			9		15	
15	W3-1	Stop Ahead	36 36	U-Post	34.949625	-88.937688			9		15	
16	R1-1	Stop	36 36		34.951067	-88.929987			7.46			
17	R6-1L	One Way Left	12 36	U-Post	34.951067	-88.929987	3			15		
18	R6-1R	One Way Right	12 36		34.951067	-88.929987	3					
19	R1-1	Stop	36 36		34.950815	-88.929938			7.46			
20	R6-1L	One Way Left	12 36	U-Post	34.950815	-88.929938	3			15		
21	R6-1R	One Way Right	12 36	U-Post	34.950815	-88.929938	3					
22	W3-1	Stop Ahead	36 36	U-Post	34.952468	-88.929888			9		15	
23	R1-1	Stop	36 36		34.950542	-88.921863			7.46			
24	R6-1L	One Way Left	12 36	U-Post	34.950542	-88.921863	3			15		
25	M1-4	US 72	24 24	U-Post	34.950537	-88.917873	4			15		
26	M3-4	West	12 24		34.950537	-88.917873	2					
27	W3-5	Speed Reduction (55 MPH)	36 36		34.950055	-88.916337			9			
28	W8-13	Bridge Ices Before Road	48 48		34.950075	-88.915637		16				
29	R6-1L	One Way Left	12 36	U-Post	34.950523	-88.915307	3				15	
30	R2-1	Speed Limit 65	48 36		34.950767	-88.912113						
31	W8-13	Bridge Ices Before Road	48 48		34.950803	-88.911967		16				
32	R6-1L	One Way Left	12 36	U-Post	34.951505	-88.908225	3				15	
33	W13-1	Advisory Speed (45 MPH)	24 24		34.951507	-88.906935	4					
34	W3-3	Signal Ahead	48 48		34.951507	-88.906935		16				
35	W13-1	Advisory Speed (45 MPH)	24 24		34.951597	-88.906907	4					
36	W3-3	Signal Ahead	48 48	Round Pipe	34.951597	-88.906907		16		15		

Tippah, US 72

Sign No.	MUTCD ID	Description	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 .08 Thick Unit Area (Sq Ft)	630-A003 .125 Thick Unit Area (Sq Ft)	630-A005 .10 Thick Unit Area (Sq Ft)	630-C002 4 lb/ft Post Unit Length (FT)	630-C001 2 lb/ft Post Unit Length (FT)	907-630-PP002 Roadside Directional Sign .125 Thick Unit Area (Sq Ft)
37	R5-1	Do Not Enter	36 36	U-Post	34.951688	-88.906577			9		15	
38	R6-1L	One Way Left	12 36	U-Post	34.952007	-88.906355	3				15	
39	M1-4	US 72	24 24	U-Post	34.952453	-88.904503	4			15		
40	M3-4	West	12 24		34.952453	-88.904503	2					
41	R5-1	Do Not Enter	36 36	U-Post	34.952298	-88.903685			9		15	
42	R1-2	Yield	36 36	U-Post	34.952675	-88.903672	3.9				15	
43	R1-2	Yield	36 36	U-Post	34.952198	-88.902958	3.9				15	
44	W8-13	Bridge Ices Before Road	48 48		34.952347	-88.901517		16				
45	W13-1	Advisory Speed (45 MPH)	24 24		34.95263	-88.898508	4					
46	W13-1	Advisory Speed (45 MPH)	24 24		34.952498	-88.898463	4					
47	W8-13	Bridge Ices Before Road	48 48		34.952567	-88.897417		16				
48	R2-1	Speed Limit 65	48 36		34.952072	-88.894478		12				
49	R2-1	Speed Limit 55	48 36		34.952433	-88.894268		12				
50	W3-5	Speed Reduction (55 MPH)	36 36	Round Pipe	34.952242	-88.890242			9		15	
51	W8-13	Bridge Ices Before Road	48 48		34.952077	-88.884503		16				
52	W8-13	Bridge Ices Before Road	48 48		34.954243	-88.86948		16				
53	W3-1	Stop Ahead	36 36	U-Post	34.95316	-88.865915			9		15	
54	W3-1	Stop Ahead	48 48		34.956955	-88.85125		16				
55	R5-1	Do Not Enter	36 36	U-Post	34.955462	-88.849823			9		15	
56	R1-2	Yield	36 36		34.955183	-88.84971	3.9					
57	R5-1	Do Not Enter	36 36	U-Post	34.955183	-88.84971			9	15		
58	R1-1	Stop	48 48		34.955917	-88.849497		13.25				
59	R6-1L	One Way Left	12 36		34.955917	-88.849497	3					
60	R6-1R	One Way Right	12 36		34.955917	-88.849497	3					
61	R1-2	Yield	36 36	U-Post	34.955187	-88.849288	3.9				15	
62	R5-1	Do Not Enter	36 36	U-Post	34.955632	-88.849113			9		15	
63	W2-2	Side Road Right Or Left	36 36		34.954277	-88.843653			9			
64	R5-1	Do Not Enter	36 36	U-Post	34.953968	-88.841342			9		15	
65	W2-1	Crossroad	36 36	U-Post	34.953522	-88.839377			9		15	
66	R1-1	Stop	48 48		34.953502	-88.835905		13.25				
67	R6-1L	One Way Left	12 36	U-Post	34.953502	-88.835905	3			15		
68	R6-1R	One Way Right	12 36		34.953502	-88.835905	3					
69	R6-1L	One Way Left	12 36	U-Post	34.952985	-88.835868	3			15		
70	R6-1R	One Way Right	12 36		34.952985	-88.835868	3					
71	W3-1	Stop Ahead	48 48		34.955228	-88.835122		16				
72	R1-1	Stop	36 36		34.952237	-88.832837			7.46			

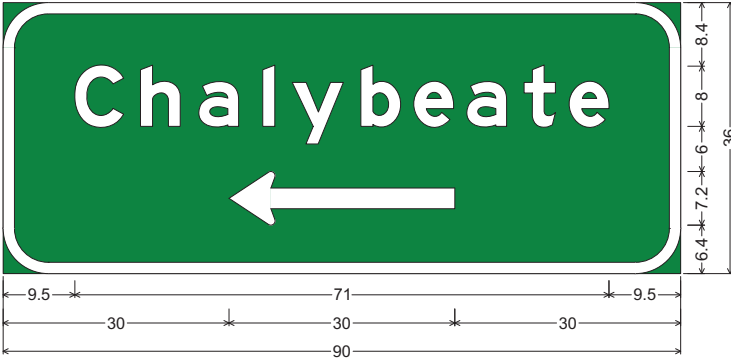
Tippah, US 72

Sign No.	MUTCD ID	Description	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 .08 Thick Unit Area (Sq Ft)	630-A003 .125 Thick Unit Area (Sq Ft)	630-A005 .10 Thick Unit Area (Sq Ft)	630-C002 4 lb/ft Post Unit Length (FT)	630-C001 2 lb/ft Post Unit Length (FT)	907-630-PP002 Roadside Directional Sign .125 Thick Unit Area (Sq Ft)
73	R6-1L	One Way Left	12 36	U-Post	34.952237	-88.832837	3			15		
74	R1-1	Stop	48 48		34.952748	-88.832533		13.25				
75	R6-1L	One Way Left	12 36		34.952748	-88.832533	3					
76	R6-1R	One Way Right	12 36		34.952748	-88.832533	3					
77	R5-1	Do Not Enter	36 36	U-Post	34.9524	-88.832322			9		15	
78	R5-1	Do Not Enter	36 36	U-Post	34.951813	-88.831173			9		15	
79	W3-1	Stop Ahead	48 48	U-Post	34.95004	-88.830995		16		15		
80	R6-1L	One Way Left	12 36	U-Post	34.9520917	-88.8308144	3				15	
81	R5-1	Do Not Enter	36 36	U-Post	34.951923	-88.830465			9		15	
82	XX	Chalybeate ←	90 36	U-Post	34.955657	-88.848547				30		22.5
83	XX	Chalybeate →	90 36	U-Post	34.955365	-88.850497				30		22.5
84	XX	Corinth 19 ↑ Corinth ← Bolivar Ripley →	78 18	U-Post	34.95192	-88.890999				30		9.75
85	XX	Memphis 57 ↑ Memphis ← Ripley Bolivar →	84 48	U-Post	34.952003	-88.904955				30		28
86	XX	Memphis 57 ↑ Memphis ← Ripley Bolivar →	90 18	U-Post	34.951838	-88.906958				30		11.25
87	XX	Memphis 57 ↑ Memphis ← Ripley Bolivar →	96 48	U-Post	34.952733	-88.901623				30		32
89	XX	Northeast Miss Regional Landfill ←	126 48	U-Post	34.951195	-88.93475				30		42
90	XX	Northeast Miss Regional Landfill →	126 48	U-Post	34.950948	-88.940095				30		42
91	XX	Three Forks ←	84 30	U-Post	34.955	-88.963437				30		17.5
92	XX	Tippah County Walnut Corp. Limit	54 36	Round Pipe	34.953612	-89.017265				15		13.5
93	XX	Walnut Corp. Limit	54 30	U-Post	34.952427	-88.893803				15		11.25

Tippah, US 72

Sign No.	MUTCD ID	Description	Size	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 .08 Thick Unit Area (Sq Ft)	630-A003 .125 Thick Unit Area (Sq Ft)	630-A005 .10 Thick Unit Area (Sq Ft)	630-C002 4 lb/ft Post Unit Length (FT)	630-C001 2 lb/ft Post Unit Length (FT)	907-630-PP002 Roadside Directional Sign .125 Thick Unit Area (Sq Ft)
94	XX	Walnut Industrial Park ←	120	48	U-Post	34.950682	-88.933667				30		40
88-1	XX	Muddy Creek	54	30	U-Post	34.9527617	-88.877774				15		11.25
88-2	XX	Muddy Creek	54	30	U-Post	34.9535833	-88.8753587				15		11.25
<b>Total:</b>								<b>112.6</b>	<b>263.75</b>	<b>242.76</b>	<b>570</b>	<b>405</b>	<b>314.75</b>

US 72 Tippah County

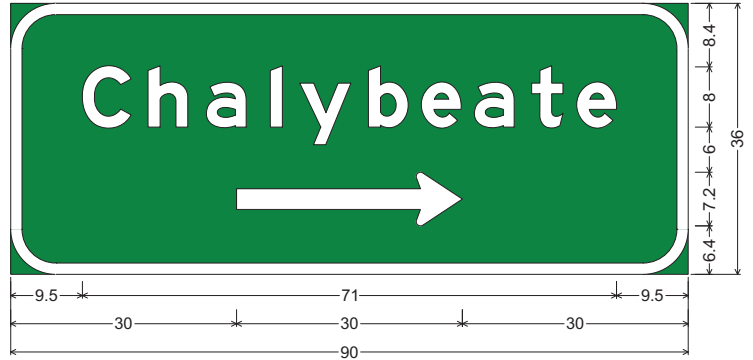


6.0" Radius, 1.5" Border, White on, Green;  
 "Chalybeate", E Mod 2K; Standard Arrow Custom 30.0" X 7.1" 180°;  
 Table of letter and object lefts

C	h	a	l	y	b	e	a	t	e
9.5	18.2	26.0	34.5	38.4	47.5	54.6	61.6	69.2	75.2
←									
30.0									

Sign 82

US 72 Tippah County

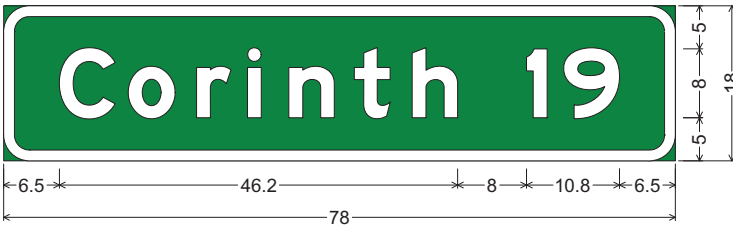


6.0" Radius, 1.5" Border, White on, Green;  
 "Chalybeate", E Mod 2K; Standard Arrow Custom 30.0" X 7.1" 0°;  
 Table of letter and object lefts

C	h	a	l	y	b	e	a	t	e
9.5	18.2	26.0	34.5	38.4	47.5	54.6	61.6	69.2	75.2
→									
30.0									

Sign 83

US 72 Tippah County

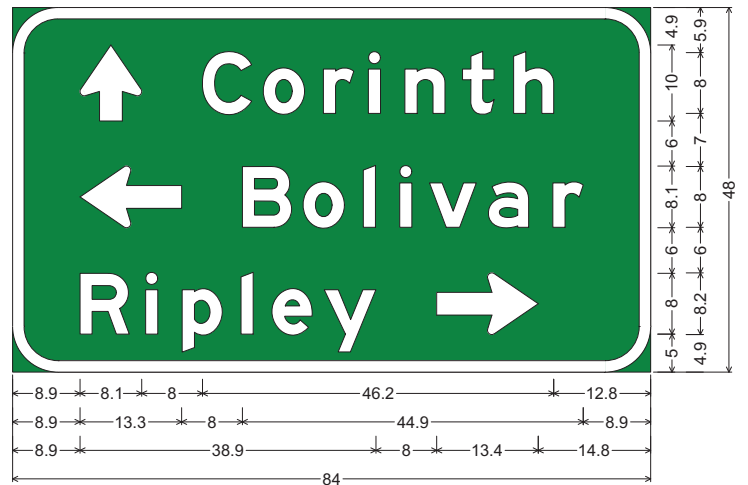


3.0" Radius, 1.3" Border, White on, Green;  
 "Corinth", E Mod 2K; "19", E Mod 2K;  
 Table of letter and object lefts

C	o	r	i	n	t	h	i	9
6.5	14.5	22.4	28.3	33.1	40.7	47.4	60.7	65.0

Sign 84

US 72 Tippah County

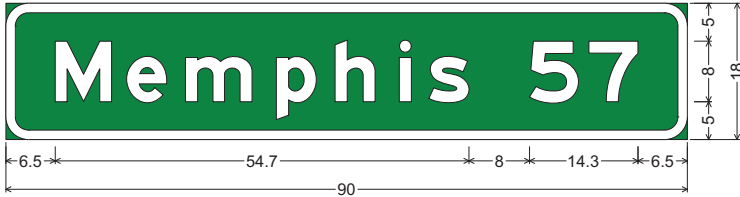


6.0" Radius, 1.5" Border, White on, Green;  
 Standard Arrow Custom 10.0" X 8.1" 90°; "Corinth", E Mod 2K;  
 Standard Arrow Custom 13.4" X 8.1" 180°; "Bolivar", E Mod 2K;  
 "Ripley", E Mod 2K; Standard Arrow Custom 13.4" X 8.1" 0°;  
 Table of letter and object lefts

↑	C	o	r	i	n	t	h
8.9	25.0	33.0	40.9	46.8	51.6	59.2	66.0
←	B	o	l	i	v	a	r
8.9	30.2	38.2	46.2	51.0	54.9	62.6	71.1
R	i	p	l	e	y	→	
8.9	17.5	22.3	30.1	34.2	41.0	55.8	

Sign 85

US 72 Tippah County

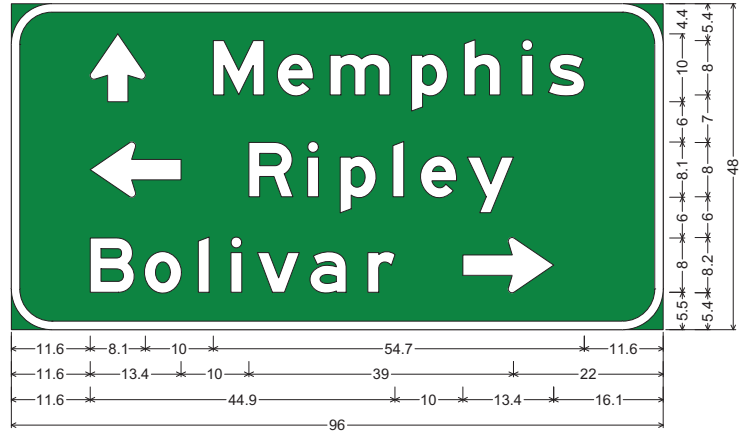


3.0" Radius, 1.3" Border, White on, Green;  
 "Memphis", E Mod 2K; "57", E Mod 2K;  
 Table of letter and object lefts

M	e	m	p	h	i	s	5	7
6.5	16.0	23.7	35.7	43.5	52.0	55.9	69.2	77.0

Sign 86

US 72 Tippah County

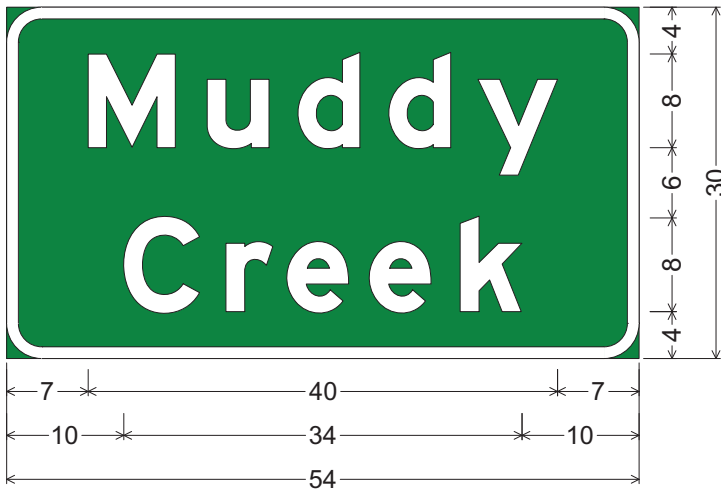


6.0" Radius, 1.3" Border, White on, Green;  
 Standard Arrow Custom 10.0" X 8.1" 90"; "Memphis", E Mod 2K;  
 Standard Arrow Custom 13.4" X 8.1" 180"; "Ripley", E Mod 2K; "Bolivar", E Mod 2K;  
 Standard Arrow Custom 13.4" X 8.1" 0";  
 Table of letter and object lefts

↑	M	e	m	p	h	i	s
11.6	29.7	39.2	46.9	58.9	66.7	75.2	79.1
←	R	i	p	l	e	y	
11.6	35.0	43.6	48.4	56.2	60.3	67.2	
B	o	l	i	v	a	r	→
11.6	19.6	27.5	32.3	36.3	44.0	52.5	66.5

Sign 87

US 72 Tippah County



3.0" Radius, 1.0" Border, White on, Green;  
 "Muddy", E Mod 2K; "Creek", E Mod 2K;  
 Table of letter and object lefts

M	u	d	d	y
7.0	17.1	24.9	32.6	40.2
C	r	e	e	k
10.0	18.7	23.9	31.0	38.7

Sign 88

US 72 Tippah County

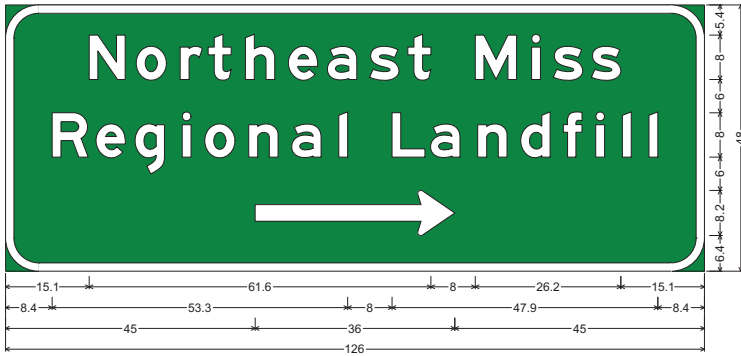


6.0" Radius, 1.5" Border, White on, Green;  
 "Northeast Miss", E Mod 2K; "Regional Landfill", E Mod 2K; Standard Arrow Custom 36.0" X 8.1" 180";  
 Table of letter and object lefts

N	o	r	t	e	a	s	t	M	i	s	s					
15.1	23.6	31.5	36.5	43.2	51.0	58.0	65.6	72.5	84.7	94.8	98.8	105.6				
R	e	g	i	o	n	a	i	L	a	n	d	f	i	l	l	←
8.4	16.3	23.4	31.8	35.9	43.8	51.6	60.1	69.7	76.6	85.1	92.9	100.6	106.4	111.2	116.0	45.0

Sign 89

US 72 Tippah County



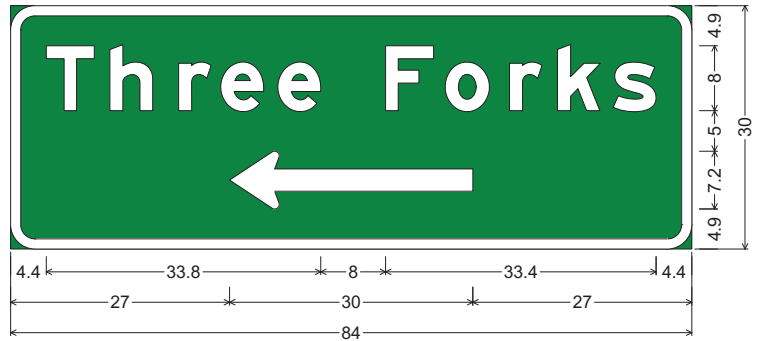
6.0" Radius, 1.5" Border, White on, Green;  
 "Northeast Miss", E Mod 2K; "Regional Landfill", E Mod 2K; Standard Arrow Custom 36.0" X 8.1" 0';

Table of letter and object lefts

N	o	r	t	h	e	a	s	t	M	i	s	s	
15.1	23.6	31.5	36.5	43.2	51.0	58.0	65.6	72.5	84.7	94.8	98.8	105.6	
R	e	g	i	o	n	a	i	L	a	n	d	f	i
8.4	16.3	23.4	31.8	35.9	43.8	51.6	60.1	69.7	76.6	85.1	92.9	100.6	106.4
													111.2
													116.0
													45.0

Sign 90

US 72 Tippah County



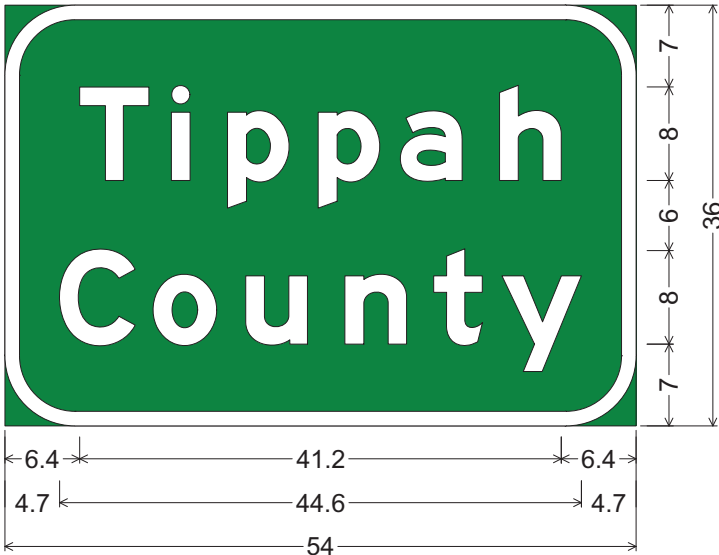
3.0" Radius, 1.3" Border, White on, Green;  
 "Three Forks", E Mod 2K; Standard Arrow Custom 30.0" X 7.1" 180';

Table of letter and object lefts

T	h	r	e	e	F	o	r	k	s
4.4	12.2	20.7	25.9	33.0	46.2	53.6	61.5	67.4	74.3
									27.0

Sign 91

US 72 Tippah County



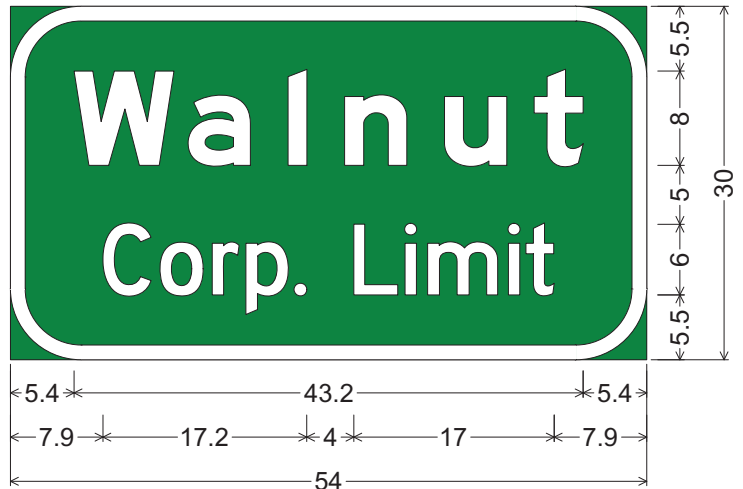
6.0" Radius, 1.3" Border, White on, Green;  
 "Tippah", E Mod 2K; "County", E Mod 2K;

Table of letter and object lefts

T	i	p	p	a	h
6.4	14.2	19.0	26.8	33.8	42.3
C	o	u	n	t	y
4.7	12.7	20.6	29.1	36.7	42.5

Sign 92

US 72 Tippah County



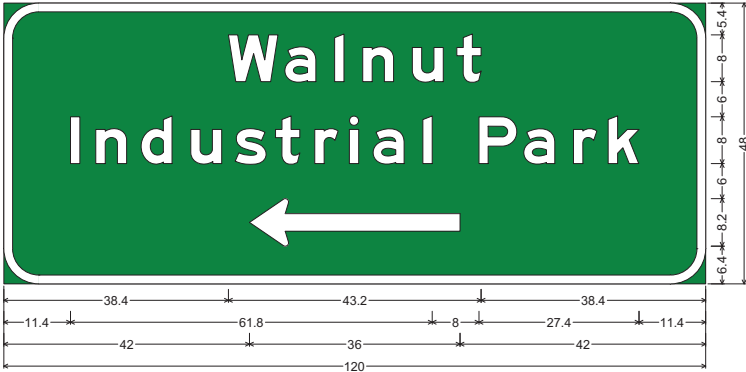
6.0" Radius, 1.3" Border, White on, Green;  
 "Walnut", E Mod 2K;  
 "Corp. Limit", D 2K 80% spacing;

Table of letter and object lefts

W	a	l	n	u	t				
5.4	15.1	23.6	28.4	36.8	44.4				
C	o	r	p	.	L	i	m	i	t
7.9	12.7	17.1	20.0	24.1	29.1	33.5	35.4	42.3	43.7

Sign 93

US 72 Tippah County



6.0" Radius, 1.5" Border, White on, Green;  
 "Walnut", E Mod 2K; "Industrial Park", E Mod 2K; Standard Arrow Custom 36.0" X 8.1" 180";  
 Table of letter and object lefts

W	a	l	n	u	t
38.4	48.1	56.6	61.4	69.8	77.4
I	n	d	u	s	t
11.4	15.7	23.5	32.0	39.6	46.4
r	i	a	i	p	a
53.2	59.1	63.2	71.6	81.2	88.9
r	e	k			
97.4	103.3				
←					
42.0					

Sign 94



## Summary of Quantities

Pay Item No.	Pay Item	Unit	Qty	
618-A001	Maintenance Of Traffic	LS	1	
618-B001	Additional Construction Signs	SF	1	
620-A001	Mobilization	LS	1	
630-A001	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness	SF	238.575	①
630-A003	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness	SF	477.87	①
630-A005	Standard Roadside Signs, Sheet Aluminum, 0.1" Thickness	SF	452.31	①
630-C001	Square Tube Posts, 4.0 lb/ft	LF	585	②
630-C002	Square Tube Posts, 2.0 lb/ft	LF	990	③
907-630-PP002	Roadside Directional Signs, Sheet Aluminum, 0.125" Thickness, Ground Mounted	SF	183	①

- ① To include cost of removal of sign panels including hardware.
- ② To include cost of removal of existing post and footing. Also to include cost of Class "B" Concrete footing for replacment sign.
- ③ To include cost of removal of existing post and footing.

## Notes:

1. Install and remove signs as shown, GPS locations are approximate and site conditions may warrant adjustment.
2. Unless directed by the engineer, all existing sign assemblies not shown in this scope of work are to remain in place.
3. Installation of new signs and sign assemblies shall not block visibility of any existing signs that are to remain. All field adjustments are to be approved by the Engineer.
4. Recommended minimum spacing between signs is 200'.
5. Where posts and footings require removal in concrete islands, are to be removed and replaced, any sawcuts and removal are to be absorbed in other items. Any concrete removed will be replaced and cost to be absorbed.
6. Signs and Posts that are removed are to become the property of the contractor.
7. Any voids created with removal of existing posts are to be backfilled with suitable granular material.

**630-A001 Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness**

MUTCD ID	Size	Size	Description	Qty	Unit Area (Sq Ft)	Total Area (Sq Ft)
D9-2	24	24	Hospital Symbol	4	4.00	16
D9-3a	24	24	Trailer Camping	2	4.00	8
M1-4	24	24	US 72	2	4.00	8
M3-4	24	12	West	1	2.00	2
M5-1L	21	15	Left Angle	1	2.19	2.1875
M5-1L	21	15	Left Angle (Blue)	1	2.19	2.1875
OM-3L	12	36	Type 3 Object Marker	3	3.00	9
OM-3R	12	36	Type 3 Object Marker	3	3.00	9
R1-2	36	36	Yield	3	3.90	11.7
R3-9B	24	36	Center Lane Only	7	6.00	42
R6-1L	36	12	One Way Left	20	3.00	60
R6-1R	36	12	One Way Right	14	3.00	42
W13-1	24	24	Advisory Speed (15 MPH)	1	4.00	4
W1-8	30	36	Chevron Alignment	3	7.50	22.5
					Total:	238.575

**630-A003 Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness**

MUTCD ID	Size	Size	Description	Qty	Unit Area (Sq Ft)	Total Area (Sq Ft)
R1-1	48	48	Stop	6	13.25	79.5
R1-2	48	48	Yield	9	6.93	62.37
W2-1	48	48	Crossroad	2	16.00	32
W2-2	48	48	Side Road	3	16.00	48
W3-1	48	48	Stop Ahead	4	16.00	64
W6-2	48	48	Divided Highway (Ends)	2	16.00	32
W8-13	48	48	Bridge Ices Before Road	10	16.00	160
					Total:	477.87

**630-A005 Standard Roadside Signs, Sheet Aluminum, 0.100" Thickness**

MUTCD ID	Size	Size	Description	Qty	Unit Area (Sq Ft)	Total Area (Sq Ft)
R1-1	36	36	Stop	11	7.46	82.06
R2-1	36	48	Speed Limit 65	4	12.00	48
R3-7	36	36	Right Ln Must Turn Rt	2	9.00	18
R5-1	36	36	Do Not Enter	13	9.00	117
R6-1R	18	54	One Way Right	1	6.75	6.75
S5-1(MOD)	24	48	School Speed Limit 35 When Children Are Present	1	8.00	8
W1-1R	36	36	Right Turn	1	9.00	9
W14-1	36	36	Dead End	1	9.00	9
W1-6	60	30	One Direction Large Arrow	2	8.00	16
W1-7	60	30	Two Direction Large Arrow	1	12.50	12.5
W3-1	36	36	Stop Ahead	4	9.00	36
W3-3	36	36	Signal Ahead	6	9.00	54
W8-13	36	36	Bridge Ices Before Road	3	9.00	27
XX	36	36	Watch for Turns	1	9.00	9
					Total:	452.31

**907-630-PP002 Roadside Directional Signs, Sheet Aluminum, 0.125" Thickness, Ground Mounted**

MUTCD ID	Size	Size	Description	Qty	Unit Area (Sq Ft)	Total Area (Sq Ft)
XX	XX	XX	Roadside Directional Signs	9	XX	183
					Total:	183.00

Sign No.	MUTCD ID	Description	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 .08 Thick Unit Area (Sq Ft)	630-A003 .125 Thick Unit Area (Sq Ft)	630-A005 .10 Thick Unit Area (Sq Ft)	630-C001 4 lb/ft Post Unit Length (FT)	630-C002 2 lb/ft Post Unit Length (FT)	907-630-PP002 Roadside Directional Sign .125 Thick Unit Area (Sq Ft)
1	W2-1	Crossroad	48 48		34.946552	-88.803077		16.00				
2	W3-1	Stop Ahead	48 48		34.944147	-88.801297		16.00				
3	R5-1	Do Not Enter	36 36	U-Post	34.946278	-88.801137			9.00		15	
4	R1-1	Stop	36 36	U-Post	34.946317	-88.80009			7.46		15	
5	R1-1	Stop	48 48		34.946058	-88.800782		13.25				
6	R6-1L	One Way Left	36 12		34.946058	-88.800782	3.00					
7	R6-1R	One Way Right	36 12		34.946058	-88.800782	3.00					
8	W14-1	Dead End	36 36	U-Post	34.946897	-88.800778			9.00		15	
9	R6-1L	One Way Left	36 12	U-Post	34.946435	-88.800708	3.00				15	
10	R5-1	Do Not Enter	36 36	U-Post	34.946447	-88.800515			9.00		15	
11	W1-8	Chevron Alignment	30 36	U-Post	34.946988	-88.800407	7.50			15		
12	W2-1	Crossroad	48 48	PIPE - SINGLE SIGN	34.9464	-88.79861		16.00				
13	W3-1	Stop Ahead	36 36	U-Post	34.947023	-88.798605			9.00		15	
14	W1-8	Chevron Alignment	30 36	U-Post	34.946875	-88.796888	7.50				15	
15	W1-8	Chevron Alignment	30 36	U-Post	34.94699	-88.796733	7.50				15	
16	W8-13	Bridge Ices Before Road	48 48	U-Post	34.945845	-88.79517		16.00				
17	W8-13	Bridge Ices Before Road	48 48	U-Post	34.942138	-88.782733		16.00				
18	M1-4	US 72	24 24	U-Post	34.937322	-88.775705	4.00			15		
19	M3-4	West	24 12		34.937322	-88.775705	2.00					
20	R1-2	Yield	48 48	U-Post	34.935953	-88.774627		6.93			15	
21	R1-1	Stop	48 48		34.935967	-88.774418		13.25				
22	R6-1L	One Way Left	36 12		34.935967	-88.774418	3.00					
23	R6-1R	One Way Right	18 54		34.935967	-88.774418			6.75			
24	OMI-3L	Type 3 Object Marker	12 36	U-Post	34.936422	-88.773987	3.00			15		
25	OMI-3R	Type 3 Object Marker	12 36	U-Post	34.936422	-88.773987	3.00					
26	OMI-3R	Type 3 Object Marker	12 36	U-Post	34.936673	-88.773758	3.00					
27	R5-1	Do Not Enter	36 36	POST - SINGLE SIGN	34.933778	-88.769885			9.00		15	
28	W8-13	Bridge Ices Before Road	48 48		34.932592	-88.765145		16.00				
29	W3-1	Stop Ahead	48 48	U-Post	34.933563	-88.755485		16.00		15		
30	R6-1R	One Way Right	36 12	U-Post	34.932612	-88.754642	3.00				15	
31	R6-1L	One Way Left	36 12	U-Post	34.934382	-88.746922	3.00				15	
32	R1-2	Yield	48 48	U-Post	34.93488	-88.746887		6.93			15	
33	R5-1	Do Not Enter	36 36	U-Post	34.93488	-88.746887		9.00			15	
34	R5-1	Do Not Enter	36 36	U-Post	34.931692	-88.716825		9.00			15	
35	R6-1L	One Way Left	36 12	U-Post	34.931812	-88.716387	3.00					
36	R6-1R	One Way Right	36 12		34.931812	-88.716387	3.00					
37	W3-1	Stop Ahead	48 48	U-Post	34.932967	-88.715192		16.00		15		
38	R6-1L	One Way Left	36 12	U-Post	34.931085	-88.695548	3.00				15	
39	R6-1R	One Way Right	36 12	U-Post	34.931085	-88.695548	3.00				15	
40	R1-1	Stop	48 48		34.930868	-88.695082		13.25				
41	R6-1L	One Way Left	36 12		34.930868	-88.695082	3.00					
42	R6-1R	One Way Right	36 12		34.930868	-88.695082	3.00					
43	R5-1	Do Not Enter	36 36	U-Post	34.931045	-88.689512			9.00		15	
44	R1-1	Stop	48 48		34.930905	-88.689137		13.25				
45	R1-2	Yield	48 48		34.931207	-88.689097		6.93				
46	R6-1L	One Way Left	36 12	POST - SINGLE SIGN	34.931207	-88.689097	3.00			15		
47	R5-1	Do Not Enter	36 36	POST - SINGLE SIGN	34.931282	-88.684455		9.00			15	
48	W3-1	Stop Ahead	36 36	U-Post	34.932398	-88.677828		9.00			15	
49	R1-1	Stop	36 36		34.931493	-88.677815		7.46				
50	R6-1R	One Way Right	36 12	U-Post	34.931493	-88.677815	3.00			15		
51	R6-1L	One Way Left	36 12	U-Post	34.930907	-88.677808	3.00				15	
52	R1-2	Yield	48 48	U-Post	34.931218	-88.664663		6.93			15	
53	R1-1	Stop	48 48		34.93142	-88.66448		13.25				
54	R6-1L	One Way Left	36 12		34.93142	-88.66448	3.00					
55	R6-1R	One Way Right	36 12		34.93142	-88.66448	3.00					

Sign No.	MUTCD ID	Description	Size	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 .08 Thick Unit Area (Sq Ft)	630-A003 .125 Thick Unit Area (Sq Ft)	630-A005 .10 Thick Unit Area (Sq Ft)	630-C001 4 lb/ft Post Unit Length (FT)	630-C002 2 lb/ft Post Unit Length (FT)	907-630-PP002 Roadside Directional Sign .125 Thick Unit Area (Sq Ft)
56	R1-1	Stop	48	48		34.931765	-88.664442		13.25				
57	R6-1L	One Way Left	36	12	U-Post	34.931765	-88.664442	3.00			15		
58	R1-2	Yield	48	48		34.93213	-88.664355		6.93				
59	R5-1	Do Not Enter	36	36	U-Post	34.93213	-88.664355		6.93	9.00	15		
60	R1-2	Yield	48	48	U-Post	34.931428	-88.664205		6.93			15	
61	R2-1	Speed Limit 65	36	48	POST - SINGLE SIGN	34.93219	-88.660262			12.00	15		
62	R2-1	Speed Limit 65	36	48		34.931782	-88.659757			12.00			
63	W8-13	Bridge Ices Before Road	48	48		34.932067	-88.655258		16.00				
64	W8-13	Bridge Ices Before Road	48	48		34.932787	-88.649213		16.00				
65	XX	Watch for Turns	36	36		34.932128	-88.64649			9.00		15	
66	D9-3a	Trailer Camping	24	24		34.93095	-88.631982	4.00				15	
67	R5-1	Do Not Enter	36	36	U-Post	34.931177	-88.612003			9.00		15	
68	R1-1	Stop	36	36		34.931002	-88.611547			7.46			
69	R6-1R	One Way Right	36	12	U-Post	34.931002	-88.611547	3.00			15		
70	W8-13	Bridge Ices Before Road	48	48		34.931038	-88.604945		16.00				
71	W8-13	Bridge Ices Before Road	48	48		34.931332	-88.586512		16.00				
72	W8-13	Bridge Ices Before Road	48	48		34.93098	-88.58256		16.00				
73	W8-13	Bridge Ices Before Road	48	48		34.93126	-88.576525		16.00				
74	W6-2	Divided Highway (Ends)	48	48		34.930965	-88.576282		16.00				
75	R2-1	Speed Limit 65	36	48		34.931175	-88.574518			12.00			
76	M1-4	US 72	24	24	U-Post	34.93112	-88.572668	4.00				15	
77	D9-2	Hospital Symbol	24	24		34.93086	-88.56931	4.00				15	
78	W3-3	Signal Ahead	36	36	U-Post	34.930897	-88.563047			9.00		15	
79	R3-9B	Center Lane Only	24	36		34.9308736	-88.56284944	6.00					
80	D9-2	Hospital Symbol	24	24		34.930875	-88.562815	4.00			15		
81	M5-1L	Left Angle (Blue)	21	15	U-Post	34.930875	-88.562815	2.19					
82	W3-3	Signal Ahead	36	36	U-Post	34.931047	-88.556687			9.00		15	
83	D9-2	Hospital Symbol	24	24		34.931045	-88.555048	4.00				15	
84	R3-9B	Center Lane Only	24	36	POST - SINGLE SIGN	34.931045	-88.554368	6.00				15	
85	R3-9B	Center Lane Only	24	36		34.92940918	-88.53122845	6.00				15	
86	R3-7	Right Ln Must Turn Rt	36	36		34.92741	-88.526475			9.00		15	
87	R3-7	Right Ln Must Turn Rt	36	36		34.927172	-88.526347			9.00		15	
88	W8-13	Bridge Ices Before Road	36	36		34.924765	-88.522485			9.00			
89	M5-1L	Left Angle	21	15	U-Post	34.921977	-88.517183	2.19				15	
90	R1-2	Yield	36	36	U-Post	34.92135764	-88.5162967	3.90				15	
91	W3-3	Signal Ahead	36	36	U-Post	34.920642	-88.514058			9.00		15	
92	W3-3	Signal Ahead	36	36	U-Post	34.917953	-88.509187			9.00		15	
93	R3-9B	Center Lane Only	24	36	U-Post	34.916967	-88.506935	6.00				15	
94	R3-9B	Center Lane Only	24	36	U-Post	34.915907	-88.505152	6.00				15	
95	W3-3	Signal Ahead	36	36	U-Post	34.915332	-88.50372			9.00		15	
96	W3-3	Signal Ahead	36	36	POST - SINGLE SIGN	34.91473	-88.502875			9.00		15	
97	R1-2	Yield	36	36		34.91382	-88.501523	3.90					
98	R5-1	Do Not Enter	36	36	U-Post	34.91382	-88.501523			9.00	15		
99	R1-2	Yield	36	36	U-Post	34.913752	-88.501162	3.90				15	
100	R3-9B	Center Lane Only	24	36	U-Post	34.913388	-88.50028	6.00				15	
101	W8-13	Bridge Ices Before Road	36	36	POST - SINGLE SIGN	34.912297	-88.498157			9.00		15	
102	R3-9B	Center Lane Only	24	36	U-Post	34.912138	-88.497405	6.00				15	
103	OM-3L	Type 3 Object Marker	12	36	POST - SINGLE SIGN	34.911237	-88.49602	3.00				15	
104	OM-3L	Type 3 Object Marker	12	36	U-Post	34.911023	-88.495183	3.00				15	
105	OM-3R	Type 3 Object Marker	12	36	U-Post	34.911023	-88.495183	3.00				15	
106	W8-13	Bridge Ices Before Road	36	36		34.909692	-88.492627			9.00			
107	W3-1	Stop Ahead	48	48		34.906898	-88.491723		16.00				
108	W1-7	Two Direction Large Arrow	60	30	U-Post	34.90901	-88.491388			12.50	15		

Sign No.	MUTCD ID	Description	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 .08 Thick Unit Area (Sq Ft)	630-A003 .125 Thick Unit Area (Sq Ft)	630-A005 .10 Thick Unit Area (Sq Ft)	630-C001 4 lb/ft Post Unit Length (FT)	630-C002 2 lb/ft Post Unit Length (FT)	907-630-PP002 Roadside Directional Sign .125 Thick Unit Area (Sq Ft)
109	R1-1	Stop	36 36		34.9086295	-88.49133701			7.46			
110	R1-1	Stop	36 36		34.908482	-88.49034			7.46			
111	S5-1(MOD)	School Speed Limit 35 When Children Are Present	24 48	U-Post	34.904592	-88.483743			8.00	15		
112	R1-1	Stop	36 36	U-Post	34.902572	-88.479968			7.46		15	
113	D9-2	Hospital Symbol	24 24		34.893545	-88.46615	4.00				15	
114	W6-2	Divided Highway (Ends)	48 48	Round Pipe	34.891942	-88.463377		16.00				
115	R6-1L	One Way Left	36 12	U-Post	34.891768	-88.46319	3.00				15	
116	W1-6	One Direction Large Arrow	60 30	U-Post	34.883938	-88.450218			8.00		15	
117	R2-1	Speed Limit 65	36 48		34.883363	-88.450083			12.00			
118	W8-13	Bridge Ices Before Road	48 48		34.882733	-88.449852		16.00				
119	W1-1R	Right Turn	36 36		34.880992	-88.443845			9.00			
120	W13-1	Advisory Speed (15 MPH)	24 24	U-Post	34.880992	-88.443845	4.00			15		
121	W3-1	Stop Ahead	36 36	U-Post	34.880575	-88.443447			9.00		15	
122	R6-1L	One Way Left	36 12	U-Post	34.87906	-88.442633	3.00				15	
123	R1-2	Yield	48 48	U-Post	34.879313	-88.442588		6.93				
124	W1-6	One Direction Large Arrow	60 30	U-Post	34.879845	-88.442525			8.00		15	
125	R1-2	Yield	48 48	U-Post	34.87885	-88.441163		6.93			15	
126	R1-2	Yield	48 48		34.878753	-88.440867		6.93				
127	R5-1	Do Not Enter	36 36	U-Post	34.878753	-88.440867			9.00	15		
128	R5-1	Do Not Enter	36 36	POST - SINGLE SIGN	34.878502	-88.440827			9.00		15	
129	R6-1L	One Way Left	36 12	POST - SINGLE SIGN	34.875618	-88.436225	3.00				15	
130	R1-1	Stop	36 36		34.876067	-88.435937			7.46			
131	R6-1L	One Way Left	36 12	U-Post	34.876067	-88.435937	3.00				15	
132	R6-1R	One Way Right	36 12		34.876067	-88.435937	3.00					
133	R1-1	Stop	36 36		34.868063	-88.42236			7.46			
134	R6-1L	One Way Left	36 12		34.868063	-88.42236	3.00					
135	R6-1R	One Way Right	36 12		34.868063	-88.42236	3.00					
136	R1-1	Stop	36 36		34.868377	-88.42236			7.46			
137	R6-1L	One Way Left	36 12	U-Post	34.868377	-88.42236	3.00			15		
138	R6-1R	One Way Right	36 12		34.868377	-88.42236	3.00					
139	W3-1	Stop Ahead	36 36		34.868565	-88.420482			9.00		15	
140	R6-1L	One Way Left	36 12	U-Post	34.86432	-88.416278	3.00				15	
141	W2-2	Side Road	48 48		34.864818	-88.416213		16.00				
142	W2-2	Side Road	48 48		34.864818	-88.416213		16.00				
143	R1-1	Stop	36 36	U-Post	34.8644745	-88.41601726			7.46	15		
144	R6-1L	One Way Left	36 12		34.8644745	-88.41601726	3.00					
145	R6-1R	One Way Right	36 12		34.8644745	-88.41601726	3.00					
146	R1-1	Stop	36 36	U-Post	34.86466307	-88.4157319			7.46	15		
147	R6-1R	One Way Right	36 12		34.86466307	-88.4157319	3.00					
148	R6-1R	One Way Right	36 12		34.86466307	-88.4157319	3.00					
149	D9-3a	Trailer Camping	24 24		34.86217281	-88.4092063	4.00				15	
150	R6-1L	One Way Left	36 12	POST - SINGLE SIGN	34.856412	-88.383005	3.00				15	
151	W2-2	Side Road	48 48		34.85594	-88.375525		16.00				
152	R5-1	Do Not Enter	36 36	POST - SINGLE SIGN	34.855877	-88.372805			9.00		15	
153	XX	Alcorn County	54 36	Round Pipe	34.854767	-88.365047				15		13.5
154	XX	Corinth Civil War Interpretive Center LEFT LANE	102 42	U-Post	34.926282	-88.525575				30		29.75
155	XX	Corinth Corp. Limit A Certified Retirement City	84 42	U-Post	34.893157	-88.465638				30		24.5
156	XX	County Line Community	72 48	U-Post	34.946508	-88.803032				30		24

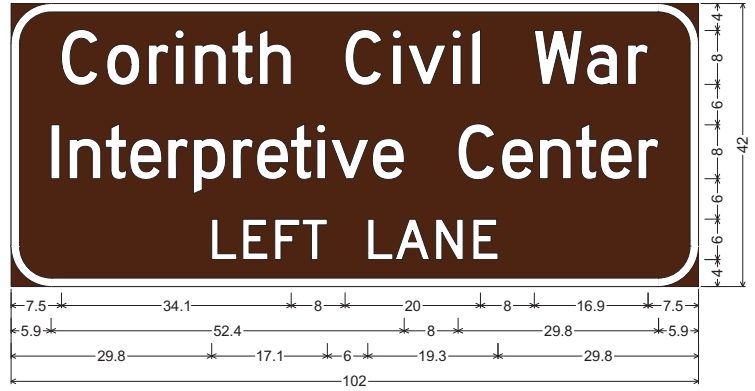
Sign No.	MUTCD ID	Description	Size	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 .08 Thick Unit Area (Sq Ft)	630-A003 .125 Thick Unit Area (Sq Ft)	630-A005 .10 Thick Unit Area (Sq Ft)	630-C001 4 lb/ft Post Unit Length (FT)	630-C002 2 lb/ft Post Unit Length (FT)	907-630-PP002 Roadside Directional Sign .125 Thick Unit Area (Sq Ft)
157	XX	Glen Corp. Limit	54	30	U-Post	34.860103	-88.400575				15		11.25
158	XX	HWY PATROL CELL PHONE DIAL * HP	48	48	Round Pipe	34.89275	-88.465587				15		16
159	XX	Road Offset Ahead	48	48	Round Pipe	34.910085	-88.493745				15		16
160	XX	Union Center ←	96	36	U-Post	34.934773	-88.77141				30		24
161	XX	Union Center →	96	36	U-Post	34.937253	-88.776272				30		24
<b>Total:</b>								<b>238.58</b>	<b>477.87</b>	<b>452.31</b>	<b>585.00</b>	<b>990.00</b>	<b>183.00</b>



6.0" Radius, 1.5" Border, White on, Green;  
 "Alcorn", E Mod 2K; "County", E Mod 2K;  
 Table of letter and object lefts

<b>A</b>	<b>l</b>	<b>c</b>	<b>o</b>	<b>r</b>	<b>n</b>
6.9	16.9	21.0	28.0	35.9	41.8
<b>C</b>	<b>o</b>	<b>u</b>	<b>n</b>	<b>t</b>	<b>y</b>
4.7	12.7	20.6	29.1	36.7	42.5

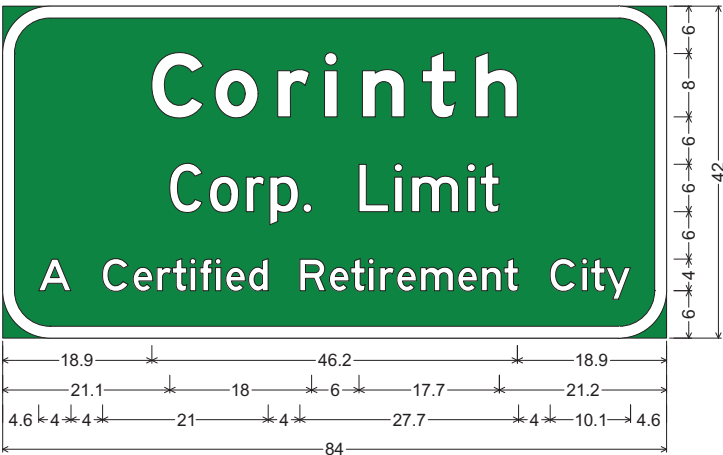
Sign 153



6.0" Radius, 1.3" Border, White on, Brown;  
 "Corinth Civil War", D 2K; "Interpretive Center", D 2K 80% spacing; "LEFT LANE", D 2K;  
 Table of letter and object lefts

<b>C</b>	<b>o</b>	<b>r</b>	<b>i</b>	<b>n</b>	<b>t</b>	<b>h</b>	<b>C</b>	<b>i</b>	<b>v</b>	<b>i</b>	<b>l</b>	<b>W</b>	<b>a</b>	<b>r</b>
7.5	14.2	20.4	24.4	27.2	32.8	36.8	49.6	56.6	58.8	65.5	68.4	77.6	85.4	91.5
<b>i</b>	<b>n</b>	<b>t</b>	<b>e</b>	<b>r</b>	<b>p</b>	<b>e</b>	<b>t</b>	<b>C</b>	<b>e</b>	<b>n</b>	<b>t</b>	<b>e</b>	<b>r</b>	
5.9	8.6	14.0	17.6	23.2	27.0	32.9	36.4	41.5	45.4	47.4	53.6	66.3	72.8	83.8
<b>L</b>	<b>E</b>	<b>F</b>	<b>T</b>	<b>L</b>	<b>A</b>	<b>N</b>	<b>E</b>							
29.8	34.4	39.1	43.2	52.9	57.0	63.0	68.5							

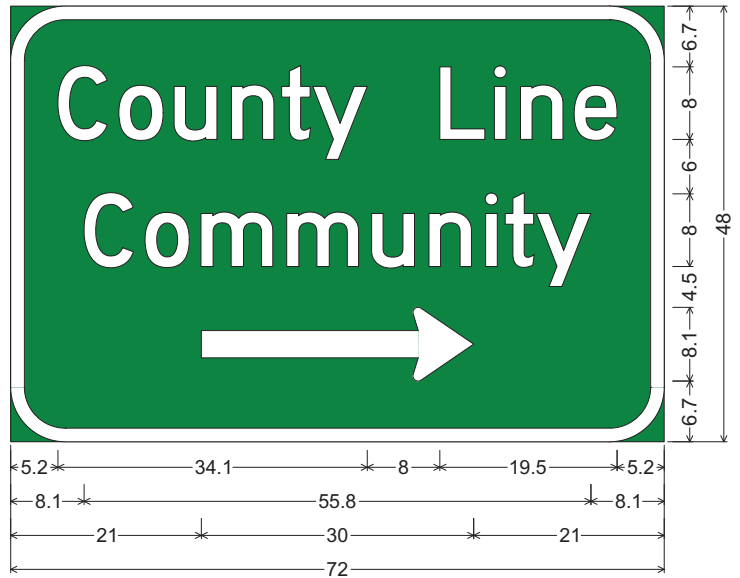
Sign 154



6.0" Radius, 1.5" Border, White on, Green;  
 "Corinth", E Mod 2K; "Corp. Limit", D 2K; "A Certified Retirement City", E 2K;  
 Table of letter and object lefts

<b>C</b>	<b>o</b>	<b>r</b>	<b>i</b>	<b>n</b>	<b>t</b>	<b>h</b>								
18.9	26.9	34.8	40.7	45.5	53.1	59.8								
<b>C</b>	<b>o</b>	<b>r</b>	<b>p</b>	<b>L</b>	<b>i</b>	<b>m</b>	<b>i</b>	<b>t</b>						
21.1	26.2	30.8	33.8	38.0	45.1	49.6	51.7	58.8	60.4					
<b>A</b>	<b>C</b>	<b>e</b>	<b>r</b>	<b>t</b>	<b>i</b>	<b>f</b>	<b>e</b>	<b>d</b>						
4.6	12.6	16.5	19.5	21.5	23.7	25.0	26.9	28.2	31.1					
<b>R</b>	<b>e</b>	<b>t</b>	<b>i</b>	<b>r</b>	<b>e</b>	<b>m</b>	<b>e</b>	<b>n</b>	<b>t</b>	<b>C</b>	<b>i</b>	<b>t</b>	<b>y</b>	
37.6	41.4	44.0	46.3	47.7	49.9	52.9	57.6	60.6	63.4	69.3	73.3	74.4	76.4	

Sign 155



6.0" Radius, 1.5" Border, White on, Green;  
 "County Line", D 2K; "Community", D 2K;  
 Standard Arrow Custom 30.0" X 8.1" 0';  
 Table of letter and object lefts

<b>C</b>	<b>o</b>	<b>u</b>	<b>n</b>	<b>t</b>	<b>y</b>	<b>L</b>	<b>i</b>	<b>n</b>	<b>e</b>					
5.2	11.9	18.0	24.3	29.8	33.3	47.3	53.3	56.2	62.1					
<b>C</b>	<b>o</b>	<b>m</b>	<b>m</b>	<b>u</b>	<b>n</b>	<b>i</b>	<b>t</b>	<b>y</b>						
8.1	14.8	21.0	30.4	39.8	46.1	52.3	54.5	57.9						
<b>→</b>														
21.0														

Sign 156

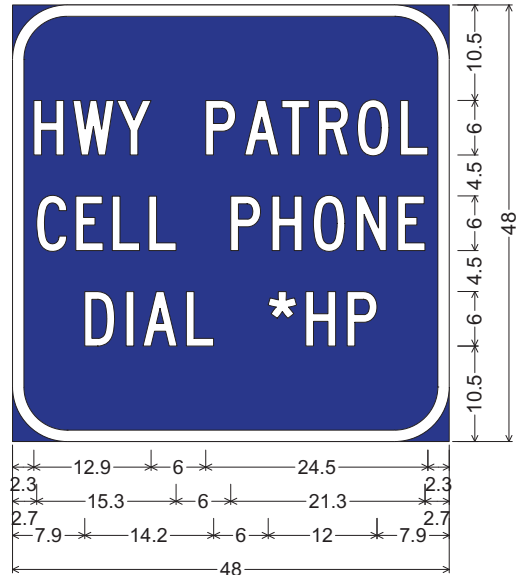
US 72 Alcorn County



6.0" Radius, 1.5" Border, White on, Green;  
 "Glen", E Mod 2K; "Corp. Limit", D 2K;  
 Table of letter and object lefts

<b>G</b>	<b>l</b>	<b>e</b>	<b>n</b>						
14.0	22.9	27.0	34.7						
<b>C</b>	<b>o</b>	<b>r</b>	<b>p</b>	<b>.</b>	<b>L</b>	<b>i</b>	<b>m</b>	<b>i</b>	<b>t</b>
6.1	11.2	15.8	18.8	23.0	30.1	34.6	36.7	43.8	45.4

Sign 157



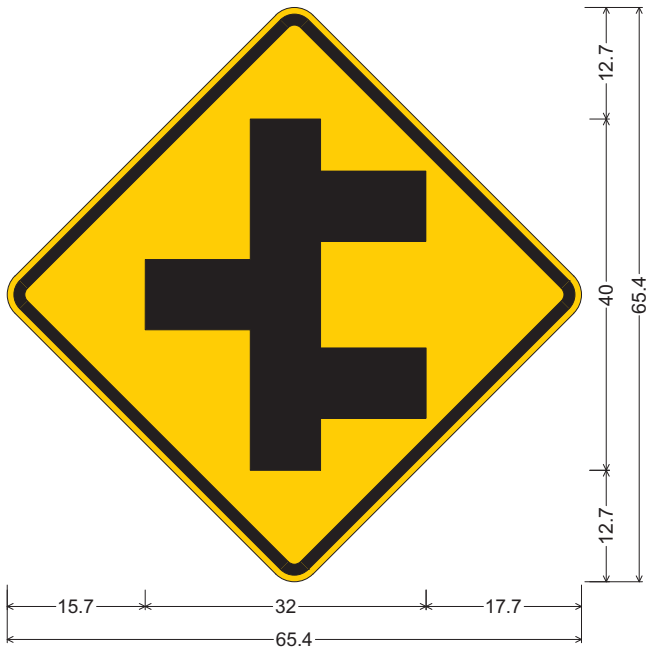
6.0" Radius, 1.3" Border, White on, Blue;  
 "HWY PATROL", C; "CELL PHONE", C;  
 "DIAL \*HP", C;

Table of letter and object lefts

<b>H</b>	<b>W</b>	<b>Y</b>	<b>P</b>	<b>A</b>	<b>T</b>	<b>R</b>	<b>O</b>	<b>L</b>
2.3	6.6	11.5	21.2	25.5	29.6	33.6	37.9	42.7
<b>C</b>	<b>E</b>	<b>L</b>	<b>L</b>	<b>P</b>	<b>H</b>	<b>O</b>	<b>N</b>	<b>E</b>
2.7	7.0	11.0	15.0	24.0	28.5	33.1	37.8	42.3
<b>D</b>	<b>I</b>	<b>A</b>	<b>L</b>	<b>*</b>	<b>H</b>	<b>P</b>		
7.9	12.5	14.3	19.1	28.1	32.2	36.8		

Sign 158

US 72 Alcorn County

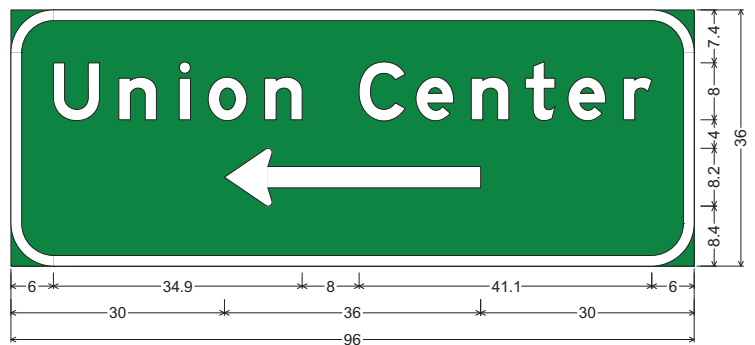


W2-2L\_48x48;  
 48.0" across sides 3.0" Radius, 1.3" Border, 0.8" Indent, Black on, Yellow;  
 Table of letter and object lefts

<b>T</b>
15.7

Sign 159

US 72 Alcorn County



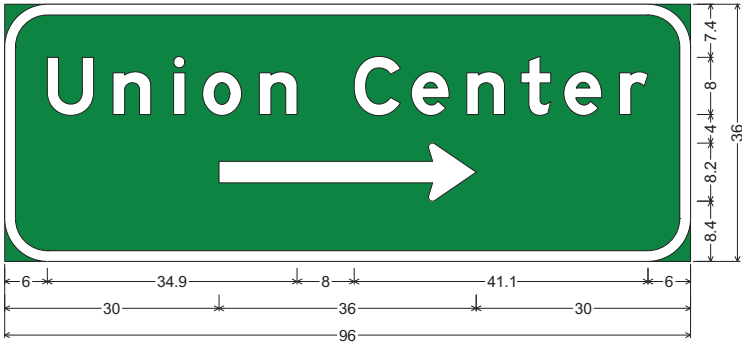
6.0" Radius, 1.5" Border, White on, Green;  
 "Union Center", E Mod 2K; Standard Arrow Custom 36.0" X 8.1" 180';  
 Table of letter and object lefts

<b>U</b>	<b>n</b>	<b>i</b>	<b>o</b>	<b>n</b>	<b>C</b>	<b>e</b>	<b>n</b>	<b>t</b>	<b>e</b>	<b>r</b>
6.0	15.2	23.6	27.7	35.6	48.9	56.9	64.7	72.3	78.3	86.0
<b>A</b>										
30.0										

Sign 160



US 72 Alcorn County



6.0" Radius, 1.5" Border, White on, Green;  
 "Union Center", E Mod 2K; Standard Arrow Custom 36.0" X 8.1" 0";  
 Table of letter and object lefts

U	n	i	o	n	C	e	n	t	e	r
6.0	15.2	23.6	27.7	35.6	48.9	56.9	64.7	72.3	78.3	86.0
→										
30.0										

Sign 161

Summary of Quantities

Pay Item No.	Pay Item	Unit	Qty	
618-A001	Maintenance Of Traffic	LS	1	
618-B001	Additional Construction Signs	SF	1	
620-A001	Mobilization	LS	1	
630-A001	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness	SF	156.43	①
630-A003	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness	SF	292.5	①
630-A005	Standard Roadside Signs, Sheet Aluminum, 0.1" Thickness	SF	454.55	①
630-C001	Square Tube Posts, 4.0 lb/ft	LF	765	②
630-C002	Square Tube Posts, 2.0 lb/ft	LF	810	③
907-630-PP002	Roadside Directional Signs, Sheet Aluminum, 0.125" Thickness, Ground Mounted	SF	652.25	①

- ① To include cost of removal of sign panels including hardware.
- ② To include cost of removal of existing post and footing. Also to include cost of Class "B" Concrete footing for replacment sign.
- ③ To include cost of removal of existing post and footing.

Notes:

1. Install and remove signs as shown, GPS locations are approximate and site conditions may warrant adjustment.
2. Unless directed by the engineer, all existing sign assemblies not shown in this scope of work are to remain in place.
3. Installation of new signs and sign assemblies shall not block visibility of any existing signs that are to remain. All field adjustments are to be approved by the Engineer.
4. Recommended minimum spacing between signs is 200'.
5. Where posts and footings require removal in concrete islands, are to be removed and replaced, any sawcuts and removal are to be absorbed in other items. Any concrete removed will be replaced and cost to be absorbed.
6. Signs and Posts that are removed are to become the property of the contractor.
7. Any voids created with removal of existing posts are to be backfilled with suitable granular material.

**630-A001 Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness**

MUTCD ID	Size	Size	Description	Qty	Unit Area (Sq Ft)	Total Area (Sq Ft)
I-5	24	24	Airport	2	4.00	8
M1-4	24	24	US 72	3	4.00	12
M1-5	24	30	MS Route Marker 172	1	5.00	5
M1-5	24	30	MS Route Marker 365	2	5.00	10
M2-1	15	21	JCT.	3	2.19	6.5625
M3-2	12	24	East	2	2.00	4
M3-4	12	24	West	2	2.00	4
M6-1	21	15	Right Or Left Arrow	1	2.19	2.1875
M6-1	21	15	Right Or Left Arrow (Green)	2	2.19	4.375
R1-2	36	36	Yield	7	3.90	27.3
R6-1L	12	36	One Way Left	5	3.00	15
R6-1R	12	36	One Way Right	8	3.00	24
RS-040	30	24	Trailer Camping	1	5.00	5
W1-8	24	30	Chevron Alignment	1	5.00	5
XX	24	30	No Park Within 10 Ft	4	5.00	20
XX	24	24	Unlawful To Pass Stopped School Bus	1	4.00	4
					<b>Total:</b>	<b>156.43</b>

**630-A003 Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness**

MUTCD ID	Size	Size	Description	Qty	Unit Area (Sq Ft)	Total Area (Sq Ft)
E5-1	48	48	Exit	2	16.00	32
R1-1	48	48	Stop	3	16.00	48
W1-6	60	30	One Direction Large Arrow	1	12.50	12.5
W2-1	48	48	Crossroad	2	16.00	32
W3-5	60	48	Speed Reduction (55 MPH)	1	20.00	20
W4-1R	48	48	Merge Right	3	16.00	48
W8-13	48	48	Bridge Ices Before Road	5	16.00	80
W13-2	48	60	Exit Speed (30 MPH)	1	20.00	20
					<b>Total:</b>	<b>292.50</b>

**630-A005 Standard Roadside Signs, Sheet Aluminum, 0.100" Thickness**

MUTCD ID	Size	Size	Description	Qty	Unit Area (Sq Ft)	Total Area (Sq Ft)
R1-1	36	36	Stop	5	7.46	37.3
R2-1	36	48	Speed Limit 55	5	12.00	60
R2-1	36	48	Speed Limit 65	4	12.00	48
R4-3	36	48	Slower Trffc Keep Rt	1	12.00	12
R5-1	36	36	Do Not Enter	22	9.00	198
S1-1	36	36	School Advance	3	6.75	20.25
S5-1	24	48	School Speed Limit 55 When Flashing	2	8.00	16
W3-1	36	36	Stop Ahead	7	9.00	63
					<b>Total:</b>	<b>454.55</b>

**907-630-PP002 Roadside Directional Signs, Sheet Aluminum, 0.125" Thickness, Ground Mounted**

MUTCD ID	Size	Size	Description	Qty	Unit Area (Sq Ft)	Total Area (Sq Ft)
XX	XX	XX	Roadside Directional Signs	20	XX	652.25
					<b>Total:</b>	<b>652.25</b>

Tishomingo, US 72

Sign No.	MUTCD ID	Description	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 .08 Thick Unit Area (Sq Ft)	630-A003 .125 Thick Unit Area (Sq Ft)	630-A005 .10 Thick Unit Area (Sq Ft)	630-C001 4 lb/ft Post Unit Length (FT)	630-C002 2 lb/ft Post Unit Length (FT)	907-630-PP002 Roadside Directional Sign .125 Thick Unit Area (Sq Ft)
1	R1-1	Stop	36	U-Post	34.85307	-88.354685			7.46		15	
2	R1-1	Stop	36	U-Post	34.852843	-88.354462			7.46		15	
3	W2-1	Crossroad	48		34.852507	-88.354238		16.00				
4	W2-1	Crossroad	48		34.852432	-88.354158		16.00				
5	W8-13	Bridge Ices Before Road	48		34.851312	-88.347142		16.00				
6	W3-1	Stop Ahead	36	U-Post	34.849287	-88.342228			9.00		15	
7	W8-13	Bridge Ices Before Road	48		34.851023	-88.342133		16.00				
8	W3-5	Speed Reduction (55 MPH)	60		34.847562	-88.334875		20.00				
9	R5-1	Do Not Enter	36	U-Post	34.847177	-88.334047			9.00		15	
10	W1-8	Chevron Alignment	24	U-Post	34.84731	-88.333188	5.00				15	
11	R1-1	Stop	36		34.845807	-88.332372			7.46			
12	R6-1L	One Way Left	12	U-Post	34.845807	-88.332372	3.00			15		
13	R6-1R	One Way Right	12		34.845807	-88.332372	3.00					
14	R2-1	Speed Limit 55	36		34.845703	-88.332028			12.00			
15	R2-1	Speed Limit 65	36		34.84591	-88.331852			12.00			
16	M1-4	US 72	24	U-Post	34.842673	-88.326977	4.00			15		
17	M3-4	West	12		34.842673	-88.326977	2.00					
18	R5-1	Do Not Enter	36	U-Post	34.842233	-88.326627			9.00		15	
19	R5-1	Do Not Enter	36	U-Post	34.841863	-88.326095			9.00		15	
20	XX	No Park Within 10 Ft	24		34.841568	-88.32584	5.00				15	
21	XX	No Park Within 10 Ft	24		34.841568	-88.32584	5.00				15	
22	R2-1	Speed Limit 55	36		34.841427	-88.325162			12.00			
23	E5-1	Exit	48		34.840153	-88.323737		16.00				
24	W4-1R	Merge Right	48		34.840202	-88.323143		16.00				
25	E5-1	Exit	48		34.839962	-88.32283		16.00				
26	M1-4	US 72	24		34.838393	-88.321072	4.00					
27	M3-2	East	12		34.838393	-88.321072	2.00			15		
28	R2-1	Speed Limit 55	36	U-Post	34.838352	-88.321013			12.00			
29	R5-1	Do Not Enter	36	U-Post	34.838142	-88.320465			9.00		15	
30	R1-1	Stop	36		34.838483	-88.320382			7.46			
31	R6-1L	One Way Left	12	U-Post	34.838483	-88.320382	3.00			15		
32	R2-1	Speed Limit 55	36		34.837023	-88.318285			12.00			
33	M1-5	MS Route Marker 365	24		34.836733	-88.317987	5.00					
34	M2-1	JCT.	15	U-Post	34.836733	-88.317987	2.19			15		
35	R1-1	Stop	48		34.8360314	-88.3168614		16.00				
36	XX	No Park Within 10 Ft	24	U-Post	34.835168	-88.316305	5.00				15	
37	XX	No Park Within 10 Ft	24	U-Post	34.835168	-88.316305	5.00				15	
38	S1-1	School Advance	36	U-Post	34.833218	-88.312232			6.75		15	
39	R2-1	Speed Limit 55	36		34.832327	-88.311332			12.00			

Tishomingo, US 72

Sign No.	MUTCD ID	Description	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 .08 Thick Unit Area (Sq Ft)	630-A003 .125 Thick Unit Area (Sq Ft)	630-A005 .10 Thick Unit Area (Sq Ft)	630-C001 4 lb/ft Post Unit Length (FT)	630-C002 2 lb/ft Post Unit Length (FT)	907-630-PP002 Roadside Directional Sign .125 Thick Unit Area (Sq Ft)
40	R6-1L	One Way Left	12 36	U-Post	34.831528	-88.309965	3.00				15	
41	R2-1	Speed Limit 65	36 48		34.83132	-88.309573			12.00			
42	R5-1	Do Not Enter	36 36	U-Post	34.831458	-88.309557			9.00		15	
43	W1-6	One Direction Large Arrow	60 30	U-Post	34.831852	-88.309485		12.50			15	
44	M1-5	MS Route Marker 365	24 30		34.83132	-88.308977	5.00					
45	W8-13	Bridge Ices Before Road	48 48	U-Post	34.825905	-88.299472		16.00		15		
46	R5-1	Do Not Enter	36 36	U-Post	34.823943	-88.296418			9.00		15	
47	R1-2	Yield	36 36	U-Post	34.82354	-88.296278	3.90				15	
48	R6-1R	One Way Right	12 36	U-Post	34.823667	-88.296048	3.00				15	
49	M3-2	East	12 24		34.8232482	-88.2950424	2.00					
50	M6-1	Right Or Left Arrow	21 15	U-Post	34.8232482	-88.2950424	2.19			15		
51	M2-1	JCT.	15 21	U-Post	34.8223006	-88.2938501	2.19				15	
52	W3-1	Stop Ahead	36 36	U-Post	34.815288	-88.287795			9.00		15	
53	R5-1	Do Not Enter	36 36	U-Post	34.815643	-88.286757			9.00			
54	R6-1R	One Way Right	12 36	U-Post	34.815343	-88.286367	3.00			15		
55	W3-1	Stop Ahead	36 36	U-Post	34.81636	-88.284973			9.00		15	
56	W8-13	Bridge Ices Before Road	48 48		34.81291	-88.283835		16.00				
57	W8-13	Bridge Ices Before Road	48 48		34.810212	-88.278613		16.00				
58	R6-1R	One Way Right	12 36	U-Post	34.808402	-88.269433	3.00				15	
59	R5-1	Do Not Enter	36 36	U-Post	34.807878	-88.269427			9.00		15	
60	R5-1	Do Not Enter	36 36	U-Post	34.808453	-88.269155			9.00		15	
61	S5-1	School Speed Limit 55 When Flashing	24 48		34.807525	-88.265837			8.00			
62	S1-1	School Advance	36 36	U-Post	34.807305	-88.26434			6.75		15	
63	R1-2	Yield	36 36	U-Post	34.807632	-88.263823	3.90				15	
64	R5-1	Do Not Enter	36 36	U-Post	34.807657	-88.263247			9.00		15	
65	R6-1L	One Way Left	12 36	U-Post	34.806043	-88.256162	3.00				15	
66	R5-1	Do Not Enter	36 36	U-Post	34.806363	-88.255718			9.00		15	
67	S1-1	School Advance	36 36	U-Post	34.806175	-88.25505			6.75		15	
68	R2-1	Speed Limit 65	36 48		34.805622	-88.253513			12.00			
69	S5-1	School Speed Limit 55 When Flashing	24 48		34.805968	-88.253398			8.00			
70	W3-1	Stop Ahead	36 36	U-Post	34.800487	-88.233697			9.00		15	
71	R5-1	Do Not Enter	36 36	U-Post	34.801615	-88.231128			9.00		15	
72	R6-1R	One Way Right	12 36	U-Post	34.802172	-88.230628	3.00				15	
73	R5-1	Do Not Enter	36 36	U-Post	34.801812	-88.230508			9.00		15	
74	R1-2	Yield	36 36		34.802128	-88.23036	3.90					
75	R5-1	Do Not Enter	36 36	U-Post	34.802128	-88.23036			9.00	15		
76	W3-1	Stop Ahead	36 36	U-Post	34.803295	-88.228998			9.00		15	
77	RS-040	Trailer Camping	30 24		34.7933833	-88.2118333	5.00					
78	W4-1R	Merge Right	48 48		34.794133	-88.211315		16.00				
79	R6-1R	One Way Right	12 36	U-Post	34.78973	-88.200008	3.00				15	

Tishomingo, US 72

Sign No.	MUTCD ID	Description	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 .08 Thick Unit Area (Sq Ft)	630-A003 .125 Thick Unit Area (Sq Ft)	630-A005 .10 Thick Unit Area (Sq Ft)	630-C001 4 lb/ft Post Unit Length (FT)	630-C002 2 lb/ft Post Unit Length (FT)	907-630-PP002 Roadside Directional Sign .125 Thick Unit Area (Sq Ft)
80	R4-3	Slower Trffc Keep Rt	36	U-Post	34.789428	-88.198828			12.00	15		
81	W3-1	Stop Ahead	36	U-Post	34.7873631	-88.1850766			9.00		15	
82	R1-1	Stop	36	U-Post	34.785565	-88.184798			7.46		15	
83	R5-1	Do Not Enter	36	U-Post	34.785042	-88.184513			9.00		15	
84	R6-1L	One Way Left	12	U-Post	34.78211	-88.178808	3.00				15	
85	R5-1	Do Not Enter	36	U-Post	34.782122	-88.178257			9.00		15	
86	R1-2	Yield	36	U-Post	34.781017	-88.17561	3.90				15	
87	R5-1	Do Not Enter	36	U-Post	34.781017	-88.17561			9.00		15	
88	R6-1R	One Way Right	12	U-Post	34.78135	-88.175283	3.00				15	
89	R1-2	Yield	36	U-Post	34.781798	-88.174975	3.90				15	
90	R5-1	Do Not Enter	36	U-Post	34.781798	-88.174975			9.00	15		
91	R1-2	Yield	36	U-Post	34.781143	-88.174905	3.90				15	
92	I-5	Airport	24	U-Post	34.781163	-88.171288	4.00				15	
93	M6-1	Right Or Left Arrow (Green)	21	U-Post	34.781163	-88.171288	2.19					
94	R1-1	Stop	48	U-Post	34.781915	-88.169183		16.00				
95	R6-1R	One Way Right	12	U-Post	34.781915	-88.169183	3.00					
96	R5-1	Do Not Enter	36	U-Post	34.782217	-88.169157			9.00		15	
97	R5-1	Do Not Enter	36	U-Post	34.781278	-88.168862			9.00		15	
98	R5-1	Do Not Enter	36	U-Post	34.781278	-88.168862			9.00		15	
99	R1-1	Stop	48	U-Post	34.781513	-88.16879		16.00				
100	R1-2	Yield	36	U-Post	34.781548	-88.168543	3.90				15	
101	W3-1	Stop Ahead	36	U-Post	34.779928	-88.167953			9.00			
102	I-5	Airport	24	U-Post	34.781977	-88.167777	4.00				15	
103	M6-1	Right Or Left Arrow (Green)	21	U-Post	34.781977	-88.167777	2.19					
104	W4-1R	Merge Right	48	U-Post	34.778292	-88.154748		16.00				
105	W13-2	Exit Speed (30 MPH)	48	U-Post	34.77621	-88.150988		20.00				
106	XX	Unlawful To Pass	24	U-Post	34.768258	-88.121722	4.00				15	
107	M1-5	MS Route Marker 172	24	U-Post	34.767352	-88.119047	5.00					
108	M2-1	JCT.	15	U-Post	34.767352	-88.119047	2.19			15		
109	R2-1	Speed Limit 65	36	U-Post	34.767555	-88.118717			12.00			
110	M1-4	US 72	24	U-Post	34.767137	-88.117658	4.00			15		
111	M3-4	West	12	U-Post	34.767137	-88.117658	2.00					
112	R5-1	Do Not Enter	36	U-Post	34.766542	-88.115762			9.00		15	
115	XX	Burnsville Corp. Limit	54	U-Post	34.82915	-88.305178				15		11.25

Tishomingo, US 72

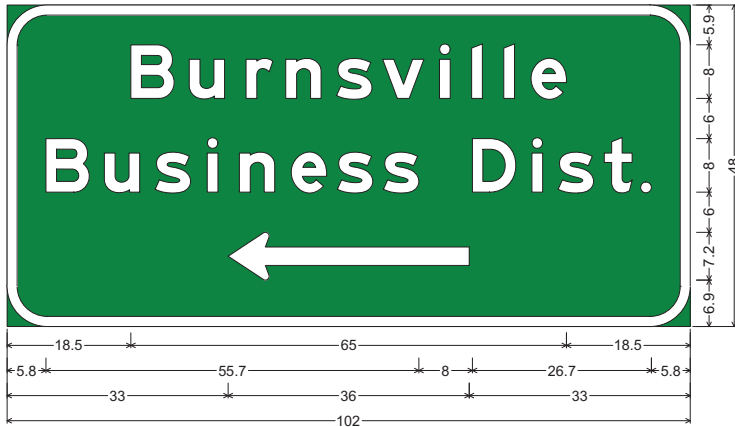
Sign No.	MUTCD ID	Description	Size	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 .08 Thick Unit Area (Sq Ft)	630-A003 .125 Thick Unit Area (Sq Ft)	630-A005 .10 Thick Unit Area (Sq Ft)	630-C001 4 lb/ft Post Unit Length (FT)	630-C002 2 lb/ft Post Unit Length (FT)	907-630-PP002 Roadside Directional Sign .125 Thick Unit Area (Sq Ft)
113	XX	Burnsville Business Dist. ←	102	48	U-Post	34.83612	-88.317698				30		34
114	XX	Burnsville Business Dist. →	102	48	U-Post	34.835522	-88.31608				30		34
118	XX	Corinth 12 luka 5	78	18	U-Post	34.847625	-88.334473				30		9.75
119	XX	Corinth 27	78	30	POST - SINGLE SIGN	34.768512	-88.124538				30		16.25
120	XX	luka 6 Huntsville 104	108	36	U-Post	34.826633	-88.301332				30		27
123	XX	Northeast Mississippi Waterway Industrial Park NEXT LEFT	132	48	U-Post	34.83414	-88.313797				30		44
124	XX	Northeast Mississippi Waterway Industrial Park NEXT RIGHT	132	48	U-Post	34.834603	-88.315337				30		44
125	XX	Tishomingo Co. High School ←	84	42	POST - SINGLE SIGN	34.807417	-88.265233				30		24.5
126	XX	Tishomingo Co. High School →	84	42	U-Post	34.806105	-88.25405				30		24.5
127	XX	Tishomingo County	84	36	U-Post	34.765968	-88.113697				30		21
116-1	XX	Cairo, MS Savannah, TN EXIT 1 MILE	162	78	U-Post	34.83132	-88.308977				45		87.75
116-2	XX	Cairo, MS Savannah, TN EXIT 1 MILE	162	78	Square Tube Post	34.849187	-88.337695				45		87.75
117-1	XX	Cairo, MS Savannah, TN ↗	144	66	U-Post	34.839252	-88.32196				45		66
117-2	XX	Cairo, MS Savannah, TN ↗	144	66	U-Post	34.840708	-88.324628				45		66
121-1	XX	luka Corp. Limit	66	30	U-Post	34.781472	-88.172013				15		13.75

Tishomingo, US 72

Sign No.	MUTCD ID	Description	Size	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 .08 Thick Unit Area (Sq Ft)	630-A003 .125 Thick Unit Area (Sq Ft)	630-A005 .10 Thick Unit Area (Sq Ft)	630-C001 4 lb/ft Post Unit Length (FT)	630-C002 2 lb/ft Post Unit Length (FT)	907-630-PP002 Roadside Directional Sign .125 Thick Unit Area (Sq Ft)
121-2	XX	Iuka Corp. Limit	66	30	POST - SINGLE SIGN	34.803077	-88.236735				15		13.75
122-1	XX	Little Yellow Creek	54	24	U-Post	34.811117	-88.28127				15		9
122-2	XX	Little Yellow Creek	54	24	POST - SINGLE SIGN	34.8113	-88.280843				15		9
122-3	XX	Little Yellow Creek	54	24	U-Post	34.851265	-88.343773				15		9
<b>Total:</b>								<b>156.43</b>	<b>292.50</b>	<b>454.55</b>	<b>765.00</b>	<b>810.00</b>	<b>652.25</b>



US 72 Tishomingo County

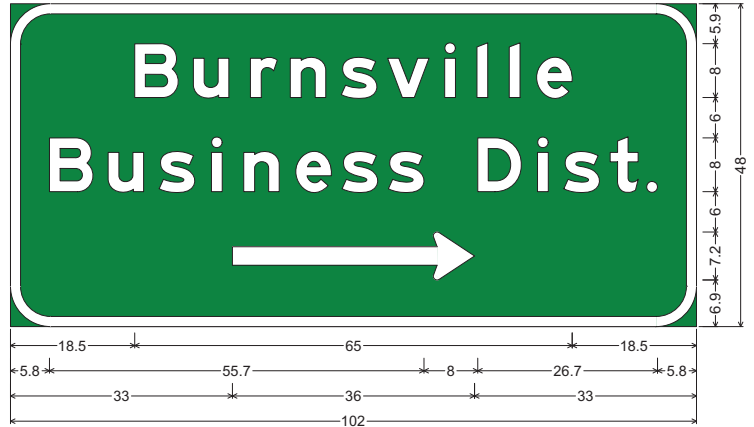


6.0" Radius, 1.5" Border, White on, Green;  
 "Burnsville", E Mod 2K; "Business Dist.", E Mod 2K; Standard Arrow Custom 36.0" X 7.1" 180";  
 Table of letter and object lefts

B	u	r	n	s	v	i	l	l	e			
18.5	27.2	35.7	41.6	49.2	56.1	64.6	69.4	74.2	78.2			
B	u	s	i	n	e	s	s	D	i	s	t	.
5.8	14.5	22.1	29.9	34.7	42.4	49.3	56.2	69.5	78.4	82.3	89.2	94.6
—												
33.0												

Sign 113

US 72 Tishomingo County



6.0" Radius, 1.5" Border, White on, Green;  
 "Burnsville", E Mod 2K; "Business Dist.", E Mod 2K; Standard Arrow Custom 36.0" X 7.1" 0";  
 Table of letter and object lefts

B	u	r	n	s	v	i	l	l	e			
18.5	27.2	35.7	41.6	49.2	56.1	64.6	69.4	74.2	78.2			
B	u	s	i	n	e	s	s	D	i	s	t	.
5.8	14.5	22.1	29.9	34.7	42.4	49.3	56.2	69.5	78.4	82.3	89.2	94.6
—												
33.0												

Sign 114

US 72 Tishomingo County



6.0" Radius, 1.3" Border, White on, Green;  
 "Burnsville", D 2K; "Corp. Limit", D 2K;  
 Table of letter and object lefts

B	u	r	n	s	v	i	l	l	e
3.8	10.3	16.6	20.6	26.4	30.6	37.2	40.1	43.0	45.5
C	o	r	p	.	L	i	m	i	t
6.1	11.2	15.8	18.8	23.0	30.1	34.6	36.7	43.8	45.4

Sign 115

US 72 Tishomingo County

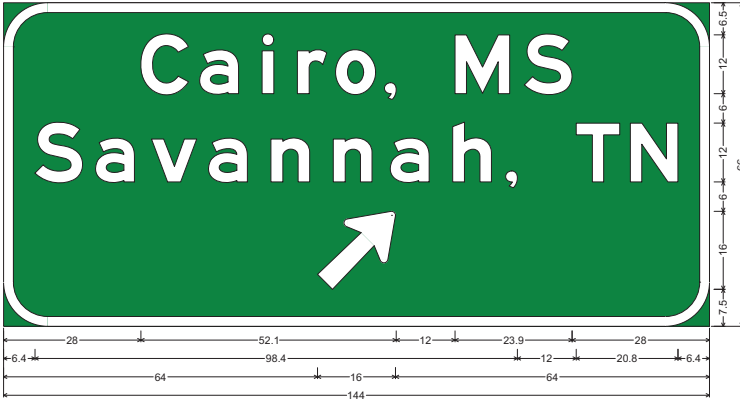


9.0" Radius, 1.5" Border, White on, Green;  
 "Cairo, MS", E Mod 2K; "Savannah, TN", E Mod 2K; "EXIT 1 MILE", E Mod 2K;  
 Table of letter and object lefts

C	a	i	r	o	M	S				
32.1	45.5	59.6	67.6	76.3	87.3	103.3	119.1			
S	a	v	a	n	n	a	h	T	N	
6.1	21.9	34.3	47.5	61.9	75.7	88.7	102.8	114.8	130.8	143.1
E	X	I	T	1	M	I	L	E		
38.7	47.5	58.3	62.1	77.5	90.0	102.1	106.9	115.9		

Sign 116

US 72 Tishomingo County

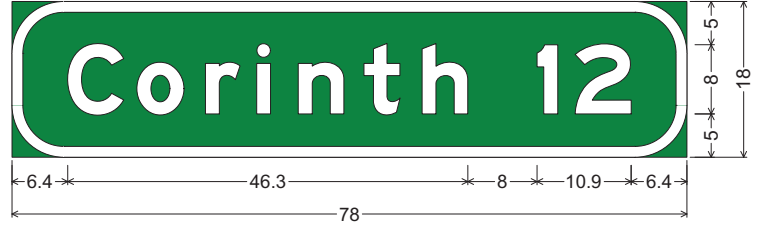


9.0" Radius, 2.0" Border, White on, Green;  
 "Cairo, MS", E Mod 2K; "Savannah, TN", E Mod 2K; Arrow Custom - 20.0" 45";  
 Table of letter and object lefts

C	a	i	r	o	,	M	S			
28.0	40.0	52.7	59.9	67.7	77.7	92.1	106.3			
S	a	v	a	n	n	a	h	,	T	N
6.4	18.8	30.2	41.8	54.5	67.3	78.9	91.6	102.4	116.8	127.9
↑										
64.0										

Sign 117

US 72 Tishomingo County

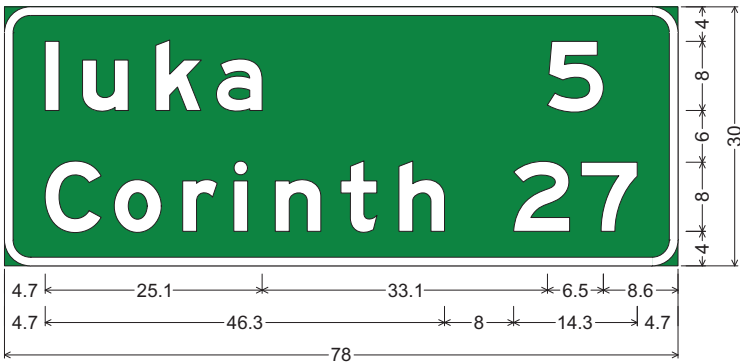


6.0" Radius, 1.3" Border, White on, Green;  
 "Corinth", E Mod 2K; "12", E Mod 2K;  
 Table of letter and object lefts

C	o	r	i	n	t	h	1	2
6.4	14.4	22.4	28.3	33.1	40.7	47.4	60.7	65.1

Sign 118

US 72 Tishomingo County

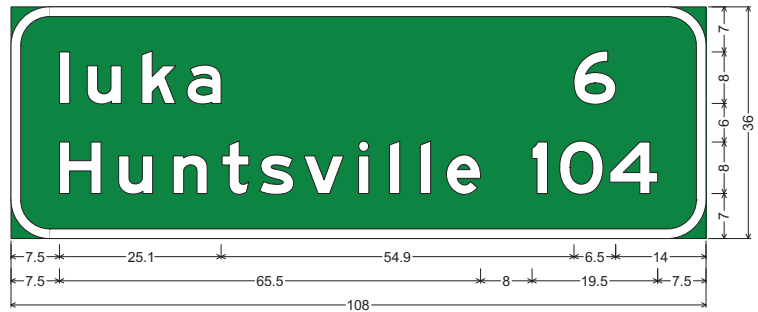


3.0" Radius, 1.0" Border, White on, Green;  
 "luka", E Mod 2K; "5", E Mod 2K; "Corinth", E Mod 2K;  
 "27", E Mod 2K;  
 Table of letter and object lefts

l	u	k	a	5				
4.7	9.0	17.5	24.6	62.9				
C	o	r	i	n	t	h	2	7
4.7	12.7	20.6	26.6	31.4	39.0	45.7	59.0	66.8

Sign 119

US 72 Tishomingo County



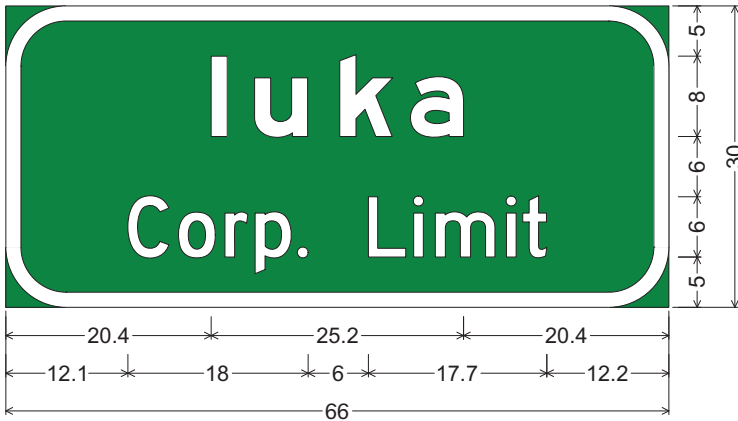
6.0" Radius, 1.5" Border, White on, Green;  
 "luka", E Mod 2K; "6", E Mod 2K; "Huntsville", E Mod 2K; "104", E Mod 2K;  
 Table of letter and object lefts

l	u	k	a	6								
7.5	11.8	20.3	27.4	87.5								
H	u	n	t	s	v	i	l	e	1	0	4	
7.5	16.7	25.2	32.8	38.6	45.5	54.0	58.8	63.6	67.7	81.0	85.3	93.0

Sign 120

US 72 Tishomingo County

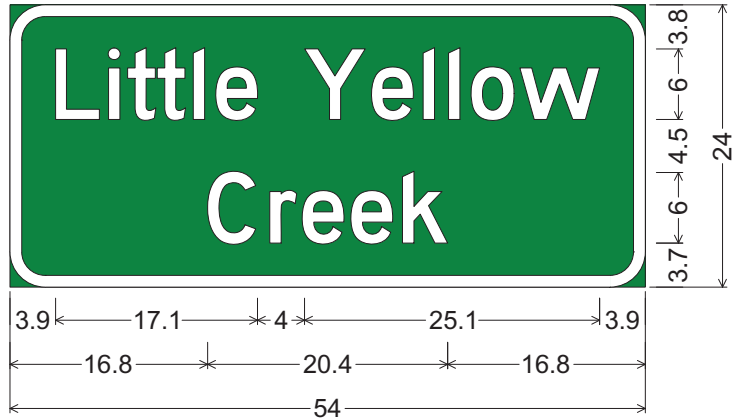
US 72 Tishomingo County



6.0" Radius, 1.5" Border, White on, Green;  
 "Iuka", E Mod 2K; "Corp. Limit", D 2K;  
 Table of letter and object lefts

I	u	k	a	L	i	m	i	t	
20.4	24.8	33.2	40.3	29.0	36.1	40.6	42.7	49.8	51.4
C	o	r	p						
12.1	17.2	21.8	24.8						

Sign 121



3.0" Radius, 1.0" Border, White on, Green;  
 "Little Yellow", D 2K; "Creek", D 2K;  
 Table of letter and object lefts

L	i	t	t	l	e	Y	e	l	l	o	w
3.9	8.4	10.0	12.5	15.6	17.5	25.0	30.7	35.1	37.3	39.2	43.3
C	r	e	e	k							
16.8	22.1	24.8	29.0	33.4							

Sign 122

US 72 Tishomingo County



9.0" Radius, 2.0" Border, White on, Green;  
 "Northeast Mississippi", D 2K; "Waterway Industrial Park", D 2K 80% spacing; "NEXT LEFT", E Mod 2K;  
 Table of letter and object lefts

N	e	s	t	e	a	s	t	M	i	s	s	i	s	s	i	p	p	i	l	l	
16.0	22.9	29.0	32.3	36.4	42.3	47.8	53.4	57.4	68.6	76.6	79.0	83.4	88.2	90.6	94.9	99.7	102.6	108.6	114.7		
W	a	t	e	r	w	a	y	I	n	d	u	s	t	r	i	a	P	a	r	k	
6.1	13.7	18.9	22.6	28.2	31.5	41.0	46.2	58.2	60.9	66.6	72.6	78.2	82.2	86.2	90.0	92.2	98.0	105.3	111.2	117.0	120.8
N	E	X	T	L	E	F	T														
41.6	48.2	53.4	59.3	69.8	75.1	80.8	85.9														

Sign 123

US 72 Tishomingo County

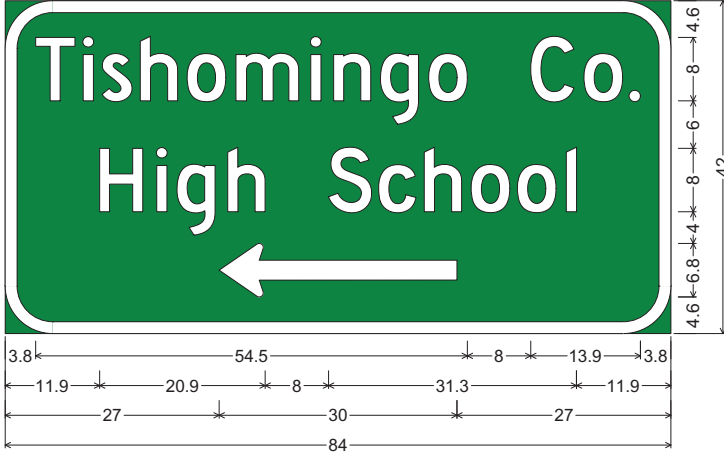


9.0" Radius, 2.0" Border, White on, Green;  
 "Northeast Mississippi", D 2K; "Waterway Industrial Park", D 2K 80% spacing; "NEXT RIGHT", E Mod 2K;  
 Table of letter and object lefts

N	e	s	t	e	a	s	t	M	i	s	s	i	s	s	i	p	p	i	l	l		
16.0	22.9	29.0	32.3	36.4	42.3	47.8	53.4	57.4	68.6	76.6	79.0	83.4	88.2	90.6	94.9	99.7	102.6	108.6	114.7			
W	a	t	e	r	w	a	y	I	n	d	u	s	t	r	i	a	P	a	r	k		
6.1	13.7	18.9	22.6	28.2	31.5	41.0	46.2	58.2	60.9	66.6	72.6	78.2	82.2	86.2	90.0	92.2	98.0	105.3	111.2	117.0	120.8	
N	E	X	T	R	I	G	H	T														
39.2	45.8	51.0	56.9	67.3	73.5	76.1	82.4	88.3														

Sign 124

US 72 Tishomingo County



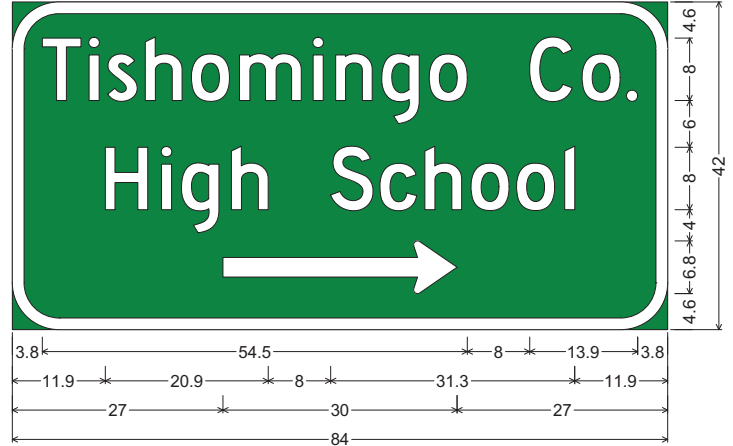
6.0" Radius, 1.5" Border, White on, Green;  
 "Tishomingo Co.", D 2K; "High School", D 2K;  
 Standard Arrow Custom 30.0" X 6.8" 180°;

Table of letter and object lefts

T	i	s	h	o	m	i	n	g	o	C	o	.
3.8	9.8	12.2	17.0	23.0	29.1	38.6	41.4	47.4	53.4	66.3	73.0	78.7
H	i	g	h	S	c	h	o	o	l			
11.9	19.1	21.7	28.1	40.8	47.1	52.9	58.8	64.6	70.8			
→												
27.0												

Sign 125

US 72 Tishomingo County



6.0" Radius, 1.5" Border, White on, Green;  
 "Tishomingo Co.", D 2K; "High School", D 2K;  
 Standard Arrow Custom 30.0" X 6.8" 0°;

Table of letter and object lefts

T	i	s	h	o	m	i	n	g	o	C	o	.
3.8	9.8	12.2	17.0	23.0	29.1	38.6	41.4	47.4	53.4	66.3	73.0	78.7
H	i	g	h	S	c	h	o	o	l			
11.9	19.1	21.7	28.1	40.8	47.1	52.9	58.8	64.6	70.8			
→												
27.0												

Sign 126

US 72 Tishomingo County



6.0" Radius, 1.5" Border, White on, Green;  
 "Tishomingo", E Mod 2K; "County", E Mod 2K;

Table of letter and object lefts

T	i	s	h	o	m	i	n	g	o
5.5	13.4	17.3	25.0	32.8	40.7	52.7	57.5	65.3	73.0
C	o	u	n	t	y				
19.7	27.7	35.6	44.1	51.7	57.5				

Sign 127

Summary of Quantities

Pay Item No.	Pay Item	Unit	Qty	
618-A001	Maintenance Of Traffic	LS	1	
618-B001	Additional Construction Signs	SF	1	
620-A001	Mobilization	LS	1	
630-A001	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness	SF	327.85	①
630-A003	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness	SF	666.5	①
630-A005	Standard Roadside Signs, Sheet Aluminum, 0.1" Thickness	SF	555.3	①
630-C001	Square Tube Posts, 4.0 lb/ft	LF	156	②
630-C002	Square Tube Posts, 2.0 lb/ft	LF	195	③
907-630-PP002	Roadside Directional Signs, Sheet Aluminum, 0.125" Thickness, Ground Mounted	SF	161.5	①

- ① To include cost of removal of sign panels including hardware.
- ② To include cost of removal of existing post and footing. Also to include cost of Class "B" Concrete footing for replacment sign.
- ③ To include cost of removal of existing post and footing.

Notes:

1. Install and remove signs as shown, GPS locations are approximate and site conditions may warrant adjustment.
2. Unless directed by the engineer, all existing sign assemblies not shown in this scope of work are to remain in place.
3. Installation of new signs and sign assemblies shall not block visibility of any existing signs that are to remain. All field adjustments are to be approved by the Engineer.
4. Recommended minimum spacing between signs is 200'.
5. Where posts and footings require removal in concrete islands, are to be removed and replaced, any sawcuts and removal are to be absorbed in other items. Any concrete removed will be replaced and cost to be absorbed.
6. Signs and Posts that are removed are to become the property of the contractor.
7. Any voids created with removal of existing posts are to be backfilled with suitable granular material.

Webster, US 82

MUTCD ID	Description	Size	Qty	0.080 Thick Unit Area (Sq Ft)	0.100 Thick Unit Area (Sq Ft)	.125 Thick Unit Area (Sq Ft)	630-A001 0.080 Thick Total Area (Sq Ft)	630-A003 .125 Thick Total Area (Sq Ft)	630-A005 0.100 Thick Total Area (Sq Ft)	907-630-PP002 Directional Signs .125 Thick Total Area (Sq Ft)
D9-11	Diesel Symbol	24"x24"	2	4			8	0	0	
D9-2	Hospital Symbol	24"x24"	9	4			36	0	0	
D9-2	Hospital Symbol	36"x36"	1		9		0	0	9	
D9-7	Gas Symbol	24"x24"	1	4			4	0	0	
D9-8	Food Symbol	24"x24"	3	4			12	0	0	
E5-1	Exit	48"x48"	1			16	0	16	0	
E5-1	Exit	60"x48"	2			20	0	40	0	
M1-4	US Route 82	24"x24"	6	4			24	0	0	
M1-5	Route Marker 25	24"x24"	1	4			4	0	0	
M1-5	Route Marker 6/9	24"x24"	2	4			8	0	0	
M2-1	JCT.	21"x15"	1	2.19			2.19	0	0	
M3-1	North	24"x12"	1	2			2	0	0	
M3-2	East	24"x12"	2	2			4	0	0	
M3-3	South	24"x12"	2	2			4	0	0	
M3-4	West	24"x12"	3	2			6	0	0	
M3-4	West	30"x15"	2	3.13			6.26	0	0	
M6-1	Right or Left Arrow	21"x15"	1	2.19			2.19	0	0	
M6-1	Right or Left Arrow (Blue)	21"x15"	1	2.19			2.19	0	0	
M6-2R	Right 45 Arrow	21"x15"	2	2.19			4.38	0	0	
M6-3	Up Arrow	21"x15"	1	2.19			2.19	0	0	
OM-3L	Type 3 Object Marker	12"x36"	5	3			15	0	0	
OM-3R	Type 3 Object Marker	12"x36"	7	3			21	0	0	
R1-1	Stop	36"x36"	5		7.46		0	0	37.3	
R1-1	Stop	48"x48"	2			13.25	0	26.5	0	
R1-2	Yield	36"x36"x36"	8	3.9			31.2	0	0	
R1-4	All Way	30"x12"	4	2.5			10	0	0	
R1-4	All Way	36"x15"	3	3.75			11.25	0	0	
R2-1	Speed Limit 35	36"x48"	1		12		0	0	12	
R2-1	Speed Limit 45	36"x48"	2		12		0	0	24	
R2-1	Speed Limit 65	36"x48"	7		12		0	0	84	
R2-4a	Speed Limit 70/MIN 40	48"x96"	3			32	0	96	0	
R4-3	Slower Trffc Keep Rt	36"x48"	2		12		0	0	24	
R5-1	Do Not Enter	36"x36"	5		9		0	0	45	
R5-1a	Wrong Way	42"x30"	10		8.75		0	0	87.5	
R6-1L	One Way Left	36"x12"	16	3			48	0	0	
R6-1R	One Way Right	36"x12"	14	3			42	0	0	

Webster, US 82

MUTCD ID	Description	Size	Qty	0.080 Thick Unit Area (Sq Ft)	0.100 Thick Unit Area (Sq Ft)	.125 Thick Unit Area (Sq Ft)	630-A001 0.080 Thick Total Area (Sq Ft)	630-A003 .125 Thick Total Area (Sq Ft)	630-A005 0.100 Thick Total Area (Sq Ft)	907-630-PP002 Directional Signs .125 Thick Total Area (Sq Ft)
W1-15	270-Degree Loop	48"x48"	1			16	0	16	0	
W13-1	Advisory Speed (45 MPH)	24"x24"	2	4			8	0	0	
W13-1	Advisory Speed (25 MPH)	36"x36"	1		9		0	0	9	
W13-2	EXIT 25 M.P.H.	48"x60"	1			20	0	20	0	
W13-2	Exit 30 M.P.H.	36"x48"	7		12		0	0	84	
W13-2	Exit 45 M.P.H.	36"x48"	2		12		0	0	24	
W13-3	Ramp 30 M.P.H.	48"x60"	1			20	0	20	0	
W1-8	Chevron Alignment	24"x30"	1	5			5	0	0	
W1-8	Chevron Alignment	30"x36"	1		7.5		0	0	7.5	
W2-1	Crossroad	48"x48"	4			16	0	64	0	
W2-2	Side Road	48"x48"	2			16	0	32	0	
W3-1	Stop Ahead	36"x36"	9		9		0	0	81	
W3-1	Stop Ahead	48"x48"	1			16	0	16	0	
W3-5	Speed Reduction 55 M.P.H.	48"x48"	1			16	0	16	0	
W3-5	Speed Reduction 65 M.P.H.	48"x48"	2			16	0	32	0	
W4-1R	Merge Right	48"x48"	2			16	0	32	0	
W7-6	Hill Blocks View	48"x48"	2			16	0	32	0	
W8-13	Bridge Ices Before Road	48"x48"	15			16	0	240	0	
XX	Load 57,650 lbs	24"x30"	1	5			5	0	0	
XX	Official/Emrg Use	36"x36"	2		9		0	0	18	
XX	Watch for Turns	36"x36"	1		9		0	0	9	
XX	Roadside Directional Signs	XX	7							
<b>Total:</b>							<b>327.85</b>	<b>666.5</b>	<b>555.3</b>	<b>161.5</b>

Webster, US 82

Sign No.	MUTCD ID	Description	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 0.080 Thick Unit Area (Sq Ft)	630-A003 .125 Thick Unit Area (Sq Ft)	630-A005 0.100 Thick Unit Area (Sq Ft)	630-C001 4 lb/ft Post Unit Length (Ft)	630-C002 2 lb/ft Post Unit Length (Ft)	907-630-PP001 Roadside Directional Sign .125 Thick Unit Area (Sq Ft)
1	R6-1L	One Way Left	36"x12"		33.4621692	-89.4018517	3					
2	R6-1L	One Way Left	36"x12"		33.4645253	-89.396607	3					
3	W8-13	Bridge Ices Before Road	48"x48"		33.4689858	-89.3888494		16				
4	OM-3R	Type 3 Object Marker	12"x36"		33.4699015	-89.3876197	3					
5	W8-13	Bridge Ices Before Road	48"x48"		33.4720399	-89.3847569		16				
6	OM-3R	Type 3 Object Marker	12"x36"		33.4728487	-89.3835167	3					
7	R6-1R	One Way Right	36"x12"		33.4743277	-89.381207	3					
8	R6-1L	One Way Left	36"x12"		33.4768159	-89.3762439	3					
9	R6-1R	One Way Right	36"x12"		33.4768159	-89.3762439	3					
10	R6-1R	One Way Right	36"x12"		33.4846721	-89.3599276	3					
11	R6-1L	One Way Left	36"x12"		33.48637	-89.357855	3					
12	R6-1L	One Way Left	36"x12"		33.4861441	-89.3577272	3					
13	R6-1R	One Way Right	36"x12"		33.4862848	-89.3575276	3					
14	R1-2	Yield	36"x36"x36"		33.4926371	-89.348747	3.9					
15	W8-13	Bridge Ices Before Road	48"x48"		33.4925588	-89.3482527		16				
16	W1-8	Chevron Alignment	24"x30"		33.5071046	-89.331112	5					
17	W3-1	Stop Ahead	36"x36"		33.5074137	-89.3309567		9				
18	R1-2	Yield	36"x36"x36"		33.5061568	-89.330656	3.9					
19	R6-1L	One Way Left	36"x12"		33.5061568	-89.330656	3					
20	R6-1L	One Way Left	36"x12"		33.5061154	-89.3304514	3					
21	R1-2	Yield	36"x36"x36"		33.5140634	-89.3205576	3.9					
22	W8-13	Bridge Ices Before Road	48"x48"		33.5141602	-89.3198265		16				
23	OM-3L	Type 3 Object Marker	12"x36"		33.5151605	-89.3187239	3					
24	OM-3R	Type 3 Object Marker	12"x36"		33.5150856	-89.3186545	3					
25	R5-1	Do Not Enter	36"x36"		33.5180808	-89.3152886		9				
26	R2-1	Speed Limit 65	36"x48"		33.5198566	-89.3122964		12				
27	W2-1	Crossroad	48"x48"		33.5215665	-89.3093397		16				
28	R5-1a	Wrong Way	42"x30"	U-Post	33.5225187	-89.307662		8.75		15		
29	R1-2	Yield	36"x36"x36"		33.5230085	-89.3071874	3.9					
30	W3-1	Stop Ahead	36"x36"		33.5213093	-89.306294		9				
31	R5-1a	Wrong Way	42"x30"	U-Post	33.5230481	-89.3060116		8.75		15		
32	W3-1	Stop Ahead	36"x36"		33.525413	-89.295313		9				
33	W8-13	Bridge Ices Before Road	48"x48"		33.5234386	-89.2945949		16				
34	W8-13	Bridge Ices Before Road	48"x48"		33.5224586	-89.2886946		16				
35	R5-1a	Wrong Way	42"x30"	U-Post	33.5218608	-89.2873994		8.75		15		
36	D9-11	Diesel Symbol	24"x24"		33.5208421	-89.2815203	4					
37	D9-2	Hospital Symbol	24"x24"		33.5208421	-89.2815203	4					
38	D9-8	Food Symbol	24"x24"		33.5208421	-89.2815203	4					
39	R4-3	Slower Trffc Keep Rt	36"x48"		33.5213344	-89.270077		12				
40	R5-1a	Wrong Way	42"x30"	U-Post	33.5217947	-89.2682094		8.75		15		
41	D9-2	Hospital Symbol	24"x24"		33.5227306	-89.2638568	4					



Sign No.	MUTCD ID	Description	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 0.080 Thick Unit Area (Sq Ft)	630-A003 .125 Thick Unit Area (Sq Ft)	630-A005 0.100 Thick Unit Area (Sq Ft)	630-C001 4 lb/ft Post Unit Length (Ft)	630-C002 2 lb/ft Post Unit Length (Ft)	907-630-PP001 Roadside Directional Sign .125 Thick Unit Area (Sq Ft)
42	W13-2	Exit 45 M.P.H.	36"x48"		33.522947	-89.263125			12			
43	W8-13	Bridge Ices Before Road	48"x48"		33.5235395	-89.2614643		16				
44	D9-2	Hospital Symbol	24"x24"		33.5236119	-89.259801	4					
45	D9-7	Gas Symbol	24"x24"		33.5237687	-89.2589168	4					
46	D9-8	Food Symbol	24"x24"		33.5237687	-89.2589168	4					
47	D9-11	Diesel Symbol	24"x24"		33.5256032	-89.2583308	4					
48	D9-8	Food Symbol	24"x24"		33.5256032	-89.2583308	4					
49	D9-2	Hospital Symbol	24"x24"		33.5257012	-89.2573964	4					
50	M1-5	Route Marker 6/9	24"x24"		33.5257012	-89.2573964	4					
51	M1-5	Route Marker 6/9	24"x24"		33.5257012	-89.2573964	4					
52	M3-1	North	24"x12"		33.5257012	-89.2573964	2					
53	M3-3	South	24"x12"		33.5257012	-89.2573964	2					
54	M6-1	Right or Left Arrow	21"x15"		33.5257012	-89.2573964	2.19					
55	M6-1	Right or Left Arrow (Blue)	21"x15"		33.5257012	-89.2573964	2.19					
56	M6-2R	Right 45 Arrow	21"x15"		33.5257012	-89.2573964	2.19					
57	W4-1R	Merge Right	48"x48"		33.5249315	-89.2570362		16				
58	W13-2	Exit 45 M.P.H.	36"x48"		33.5260668	-89.2549018			12			
59	R2-1	Speed Limit 65	36"x48"		33.527585	-89.24902			12			
60	R4-3	Slower Trffc Keep Rt	36"x48"		33.529151	-89.2447758			12			
61	R5-1a	Wrong Way	42"x30"	U-Post	33.5417853	-89.2262863			8.75		15	
62	R5-1	Do Not Enter	36"x36"		33.5446796	-89.2225277			9			
63	R6-1L	One Way Left	36"x12"		33.5441047	-89.2222357	3					
64	R1-1	Stop	36"x36"		33.5457769	-89.2169223			7.46			
65	R6-1L	One Way Left	36"x12"		33.5481763	-89.2160081	3					
66	R6-1R	One Way Right	36"x12"		33.5481763	-89.2160081	3					
67	W3-1	Stop Ahead	36"x36"		33.548233	-89.2159928			9			
68	R5-1a	Wrong Way	42"x30"	U-Post	33.5464588	-89.2149792			8.75		15	
69	R1-1	Stop	36"x36"		33.5465626	-89.2148113			7.46			
70	R6-1L	One Way Left	36"x12"		33.5465626	-89.2148113	3					
71	W2-1	Crossroad	48"x48"		33.5474024	-89.2071109		16				
72	W2-1	Crossroad	48"x48"		33.5475657	-89.2069338		16				
73	W13-1	Advisory Speed (45 MPH)	24"x24"		33.5476647	-89.2057921	4					
74	W13-1	Advisory Speed (45 MPH)	24"x24"		33.5475078	-89.2057158	4					
75	R6-1R	One Way Right	36"x12"		33.5483469	-89.2017562	3					
76	R6-1R	One Way Right	36"x12"		33.5479946	-89.2016398	3					
77	R1-1	Stop	36"x36"		33.5481012	-89.2016318			7.46			
78	R6-1R	One Way Right	36"x12"		33.5481012	-89.2016318	3					
79	W3-1	Stop Ahead	36"x36"		33.545262	-89.2015597			9			
80	R5-1a	Wrong Way	42"x30"	U-Post	33.5481359	-89.2008316			8.75		15	
81	R2-1	Speed Limit 65	36"x48"		33.5477414	-89.2005829			12			
82	R1-1	Stop	36"x36"		33.5479192	-89.1977301			7.46			

Webster, US 82

Sign No.	MUTCD ID	Description	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 0.080 Thick Unit Area (Sq Ft)	630-A003 .125 Thick Unit Area (Sq Ft)	630-A005 0.100 Thick Unit Area (Sq Ft)	630-C001 4 lb/ft Post Unit Length (Ft)	630-C002 2 lb/ft Post Unit Length (Ft)	907-630-PP001 Roadside Directional Sign .125 Thick Unit Area (Sq Ft)
83	R6-1L	One Way Left	36"x12"		33.5479192	-89.1977301	3					
84	R6-1R	One Way Right	36"x12"		33.5479192	-89.1977301	3					
85	W3-1	Stop Ahead	36"x36"		33.5492585	-89.1966072			9			
86	R5-1a	Wrong Way	42"x30"	U-Post	33.5476339	-89.1906101			8.75		15	
87	R5-1	Do Not Enter	36"x36"		33.5479311	-89.1796556			9			
88	W8-13	Bridge Ices Before Road	48"x48"		33.5471597	-89.1698742		16				
89	R5-1a	Wrong Way	42"x30"	U-Post	33.5473219	-89.1692713			8.75		15	
90	W8-13	Bridge Ices Before Road	48"x48"		33.5438068	-89.1579319		16				
91	W3-5	Speed Reduction 55 M.P.H.	48"x48"		33.5420136	-89.1542259		16				
92	W8-13	Bridge Ices Before Road	48"x48"		33.5413721	-89.1523645		16				
93	R2-1	Speed Limit 65	36"x48"		33.5412061	-89.1502678			12			
94	R2-1	Speed Limit 45	36"x48"		33.540238	-89.1463927			12			
95	E5-1	Exit	48"x48"		33.5405191	-89.1425623		16				
96	W4-1R	Merge Right	48"x48"		33.5405748	-89.1369516		16				
97	R6-1R	One Way Right	36"x12"		33.540592	-89.13668	3					
98	W3-1	Stop Ahead	36"x36"		33.5384569	-89.1336407			9			
99	R6-1R	One Way Right	36"x12"		33.54009	-89.1318526	3					
100	W3-1	Stop Ahead	48"x48"		33.5403639	-89.1282396		16				
101	W3-1	Stop Ahead	36"x36"	U-Post	33.5422577	-89.1276428					15	
102	R1-4	All Way	36"x15"		33.5401139	-89.1243571	3.75					
103	R1-1	Stop	48"x48"		33.5402568	-89.1243176		13.25				
104	R1-4	All Way	36"x15"		33.5402568	-89.1243176	3.75					
105	R1-4	All Way	30"x12"		33.5405539	-89.1243044	2.5					
106	R1-4	All Way	30"x12"		33.5405223	-89.1240914	2.5					
107	R1-4	All Way	36"x15"		33.5400797	-89.124075	3.75					
108	R6-1L	One Way Left	36"x12"		33.5400797	-89.124075	3					
109	R1-1	Stop	48"x48"		33.54032	-89.1240546		13.25				
110	R1-4	All Way	30"x12"		33.54032	-89.1240546	2.5					
111	R1-4	All Way	30"x12"		33.54032	-89.1240546	2.5					
112	R5-1	Do Not Enter	36"x36"		33.5406492	-89.1240206			9			
113	R6-1R	One Way Right	36"x12"		33.5400935	-89.1231919	3					
114	R2-1	Speed Limit 35	36"x48"		33.5401326	-89.1223434			12			
115	R6-1L	One Way Left	36"x12"		33.5404826	-89.1218636	3					
116	XX	Load 57,650 lbs	24"x30"		33.5405605	-89.1194489	5					
117	R6-1L	One Way Left	36"x12"		33.5405123	-89.1187852	3					
118	R5-1a	Wrong Way	42"x30"	U-Post	33.5402703	-89.1179105			8.75		15	
119	R2-1	Speed Limit 45	36"x48"		33.5401168	-89.1156385			12			
120	W13-3	Ramp 30 M.P.H.	48"x60"		33.5394749	-89.1154951		20				
121	OM-3L	Type 3 Object Marker	12"x36"		33.5383847	-89.1107794	3					
122	OM-3R	Type 3 Object Marker	12"x36"		33.53839	-89.1107704	3					
123	OM-3L	Type 3 Object Marker	12"x36"		33.5380047	-89.1078749	3					

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Sign No.	MUTCD ID	Description	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 0.080 Thick Unit Area (Sq Ft)	630-A003 .125 Thick Unit Area (Sq Ft)	630-A005 0.100 Thick Unit Area (Sq Ft)	630-C001 4 lb/ft Post Unit Length (Ft)	630-C002 2 lb/ft Post Unit Length (Ft)	907-630-PP001 Roadside Directional Sign .125 Thick Unit Area (Sq Ft)
124	OM-3R	Type 3 Object Marker	12"x36"		33.5381153	-89.1076708	3					
125	W8-13	Bridge Ices Before Road	48"x48"		33.5361863	-89.102515		16				
126	OM-3L	Type 3 Object Marker	12"x36"		33.5357946	-89.1009636	3					
127	OM-3R	Type 3 Object Marker	12"x36"		33.5357937	-89.1009583	3					
128	OM-3L	Type 3 Object Marker	12"x36"		33.5358473	-89.0999545	3					
129	OM-3R	Type 3 Object Marker	12"x36"		33.5357934	-89.0990506	3					
130	W2-1	Crossroad	48"x48"		33.5323845	-89.086242		16				
131	R1-1	Stop	36"x36"		33.5300326	-89.0797271			7.46			
132	R6-1R	One Way Right	36"x12"		33.5268439	-89.0665758	3					
133	M1-4	US Route 82	24"x24"		33.5260603	-89.0643845	4					
134	M3-2	East	24"x12"		33.5260603	-89.0643845	2					
135	R1-2	Yield	36"x36"x36"		33.5235035	-89.0547148	3.9					
136	R5-1	Do Not Enter	36"x36"		33.5127521	-89.0357043			9			
137	R2-1	Speed Limit 65	36"x48"		33.5119716	-89.0338966			12			
138	M3-4	West	30"x15"		33.5109736	-89.0316529	3.13					
139	M1-4	US Route 82	24"x24"		33.5047141	-89.0031031	4					
140	M3-4	West	24"x12"		33.5047141	-89.0031031	2					
141	R1-2	Yield	36"x36"x36"		33.503283	-88.996045	3.9					
142	XX	Watch for Turns	36"x36"		33.5029618	-88.9933047			9			
143	R6-1L	One Way Left	36"x12"		33.5027279	-88.9903797	3					
144	W2-2	Side Road	48"x48"		33.5023559	-88.9870268		16			15	
145	W3-1	Stop Ahead	36"x36"	U-Post	33.5034866	-88.9841769			9			
146	R1-2	Yield	36"x36"x36"		33.5019201	-88.9840431	3.9					
147	R6-1L	One Way Left	36"x12"		33.5019201	-88.9840431	3					
148	R6-1R	One Way Right	36"x12"		33.5019201	-88.9840431	3					
149	W2-2	Side Road	48"x48"		33.5017927	-88.9812067		16				
150	R2-1	Speed Limit 65	36"x48"		33.5000491	-88.963639			12			
151	M3-4	West	30"x15"		33.4996959	-88.9604212	3.13					
152	R1-2	Yield	36"x36"x36"		33.499112	-88.958933	3.9					
153	R2-1	Speed Limit 65	36"x48"	Round Pipe	33.4954162	-88.8984092			12	16		
154	W13-2	Exit 30 M.P.H.	36"x48"		33.4950983	-88.8554449			12			
155	W3-5	Speed Reduction 65 M.P.H.	48"x48"		33.4954716	-88.8524722		16				
156	W3-5	Speed Reduction 65 M.P.H.	48"x48"		33.4956413	-88.8524598		16				
157	W1-8	Chevron Alignment	30"x36"		33.4961448	-88.8479137			7.5			
158	W13-2	Exit 30 M.P.H.	36"x48"		33.4956789	-88.842749			12			
159	D9-2	Hospital Symbol	24"x24"		33.4952335	-88.8398022	4					
160	D9-2	Hospital Symbol	24"x24"		33.495256	-88.8311793	4					
161	W13-2	Exit 30 M.P.H.	36"x48"		33.4951421	-88.8298445			12			
162	D9-2	Hospital Symbol	36"x36"		33.4945571	-88.8270379			9			
163	D9-2	Hospital Symbol	24"x24"		33.496448	-88.822803	4					
164	W13-2	Exit 30 M.P.H.	36"x48"		33.495672	-88.819607			12			

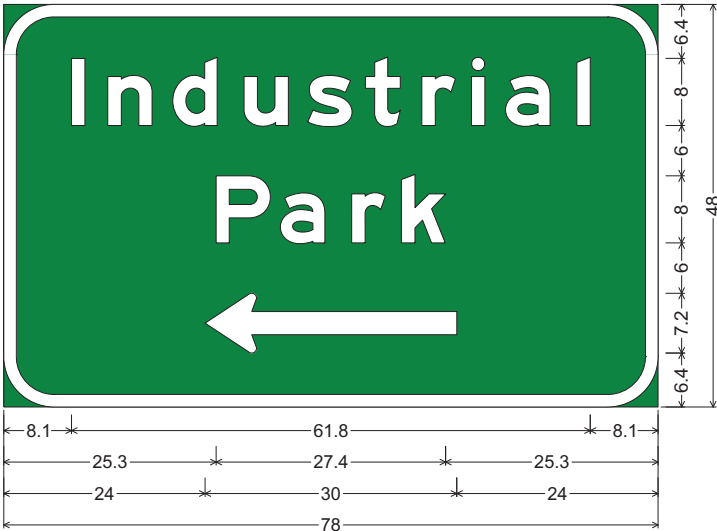
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Sign No.	MUTCD ID	Description	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 0.080 Thick Unit Area (Sq Ft)	630-A003 .125 Thick Unit Area (Sq Ft)	630-A005 0.100 Thick Unit Area (Sq Ft)	630-C001 4 lb/ft Post Unit Length (Ft)	630-C002 2 lb/ft Post Unit Length (Ft)	907-630-PP001 Roadside Directional Sign .125 Thick Unit Area (Sq Ft)
165	D9-2	Hospital Symbol	24"x24"		33.495653	-88.818295	4					
166	D9-2	Hospital Symbol	24"x24"		33.495675	-88.809758	4					
167	W13-2	Exit 30 M.P.H.	36"x48"		33.4912377	-88.790968		20	12			
168	E5-1	Exit	60"x48"		33.485032	-88.782252						
169	W13-2	Exit 30 M.P.H.	36"x48"		33.4844473	-88.7813013			12			
170	W13-2	Exit 30 M.P.H.	36"x48"		33.474839	-88.7657338			12			
171	W1-15	270-Degree Loop	48"x48"		33.4721899	-88.7603843	16					
172	W13-1	Advisory Speed (25 MPH)	36"x36"		33.4721899	-88.7603843			9			
173	W8-13	Bridge Ices Before Road	48"x48"		33.4712198	-88.7589238	16					
174	E5-1	Exit	60"x48"		33.4710705	-88.7585269	20					
175	W13-2	EXIT 25 M.P.H.	48"x60"		33.4707932	-88.7579599	20					
176	R2-4a	Speed Limit 70/MIN 40	48"x96"	Round Pipe	33.4689816	-88.7532955	32			20		
177	W8-13	Bridge Ices Before Road	48"x48"		33.46934	-88.751168	16					
178	XX	Official/Emrg Use	36"x36"		33.470863	-88.7300803			9			
179	XX	Official/Emrg Use	36"x36"	U-Post	33.470863	-88.7300803			9	15		
180	W8-13	Bridge Ices Before Road	48"x48"		33.474925	-88.725872	16					
181	W8-13	Bridge Ices Before Road	48"x48"		33.4797706	-88.7236402	16					
182	R2-4a	Speed Limit 70/MIN 40	48"x96"		33.4830069	-88.719769	32					
183	M1-4	US Route 82	24"x24"		33.4844269	-88.7159445	4					
184	M1-5	Route Marker 25	24"x24"		33.4844269	-88.7159445	4					
185	M3-3	South	24"x12"		33.4844269	-88.7159445	2					
186	M3-4	West	24"x12"		33.4844269	-88.7159445	2					
187	M1-4	US Route 82	24"x24"		33.4858283	-88.7067	4					
188	M1-4	US Route 82	24"x24"		33.4858283	-88.7067	4					
189	M3-2	East	24"x12"		33.4858283	-88.7067	2					
190	M3-4	West	24"x12"		33.4858283	-88.7067	2					
191	M6-2R	Right 45 Arrow	21"x15"		33.4858283	-88.7067	2.19					
192	M6-3	Up Arrow	21"x15"		33.4858283	-88.7067	2.19					
193	M1-4	US Route 82	24"x24"		33.481273	-88.7065479	4					
194	M2-1	JCT.	21"x15"		33.481273	-88.7065479	2.19					
195	R2-4a	Speed Limit 70/MIN 40	48"x96"		33.483851	-88.6937081	32					
196	XX	Industrial Park ←	78"x48"	U-Post	33.5237702	-89.2966588				30		26
198	XX	EXIT ↗	72"x60"		33.5257873	-89.255611						30
199	XX	Calabrella Creek	84"x42"	I-Beam	33.4698939	-89.3876077				30		24.5
197-1	XX	STATE LAW	36"x18"		33.5213344	-89.270077						4.5
197-2	XX	STATE LAW	36"x18"		33.529151	-89.2447758						4.5

Webster, US 82

Sign No.	MUTCD ID	Description	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 0.080 Thick Unit Area (Sq Ft)	630-A003 .125 Thick Unit Area (Sq Ft)	630-A005 0.100 Thick Unit Area (Sq Ft)	630-C001 4 lb/ft Post Unit Length (Ft)	630-C002 2 lb/ft Post Unit Length (Ft)	907-630-PP001 Roadside Directional Sign .125 Thick Unit Area (Sq Ft)
200-1	XX	NATCHEZ TRACE PARKWAY NEXT RIGHT	108"x48"	U-Post	33.54027	-89.145667				30		36
200-2	XX	NATCHEZ TRACE PARKWAY NEXT RIGHT	108"x48"	U-Post	33.5405906	-89.1398858				30		36
<b>Total:</b>							<b>327.85</b>	<b>666.5</b>	<b>555.3</b>	<b>156</b>	<b>195</b>	<b>161.5</b>

US 82 Webster County

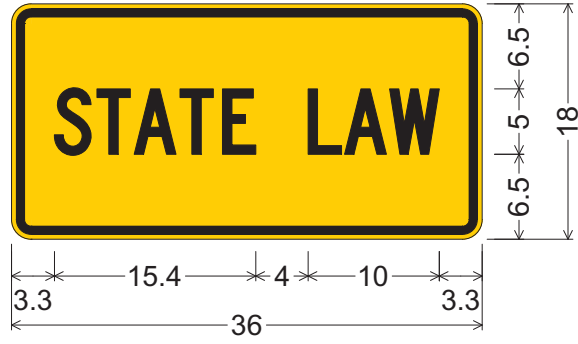


6.0" Radius, 1.5" Border, White on, Green;  
 "Industrial", E Mod 2K; "Park", E Mod 2K;  
 Standard Arrow Custom 30.0" X 7.1" 180°;  
 Table of letter and object lefts

I	n	d	u	s	t	r	i	a	i
8.1	12.4	20.2	28.6	36.2	43.1	49.8	55.8	59.8	68.3
P	a	r	k						
25.3	33.0	41.5	47.4						
←									
24.0									

Sign 196

US 82 Webster County



1.5" Radius, 0.6" Border, 0.4" Indent, Black on, Yellow;  
 "STATE", C 2K;  
 "LAW", C 2K 80% spacing;  
 Table of letter and object lefts

S	T	A	T	E
3.3	6.5	9.4	12.9	16.1
L	A	W		
22.7	25.5	28.9		

Sign 197

US 82 Webster County

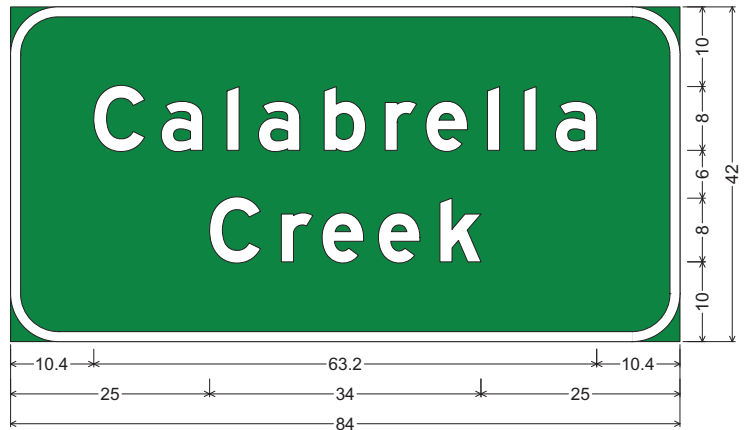


6.0" Radius, 1.3" Border, White on, Green;  
 "EXIT", E Mod 2K; Standard Arrow Custom 26.8" X 16.1" 45°;  
 Table of letter and object lefts

E	X	I	T
17.5	28.1	41.0	45.6
↗			
25.5			

Sign 198

US 82 Webster County

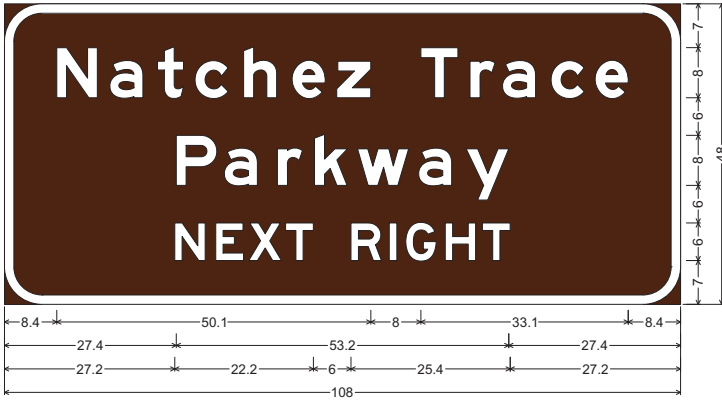


6.0" Radius, 1.3" Border, White on, Green;  
 "Calabrella", E Mod; "Creek", E Mod;  
 Table of letter and object lefts

C	a	l	a	b	r	e	l	l	a
10.4	18.9	27.2	31.1	39.4	47.0	52.1	59.8	64.4	68.4
C	r	e	e	k					
25.0	34.0	39.1	46.2	53.9					

Sign 199

US 82 Webster County



6.0" Radius, 1.5" Border, White on, Brown;  
 "Natchez Trace", E Mod 2K; "Parkway", E Mod 2K; "NEXT RIGHT", E Mod 2K;  
 Table of letter and object lefts

<b>N</b>	<b>a</b>	<b>t</b>	<b>c</b>	<b>h</b>	<b>e</b>	<b>z</b>	<b>T</b>	<b>r</b>	<b>a</b>	<b>c</b>	<b>e</b>
8.4	16.8	24.4	30.4	38.2	46.0	53.1	66.5	74.4	79.6	87.3	94.4
<b>P</b>	<b>a</b>	<b>r</b>	<b>k</b>	<b>w</b>	<b>a</b>	<b>y</b>					
27.4	35.1	43.6	49.5	56.4	66.2	73.8					
<b>N</b>	<b>E</b>	<b>X</b>	<b>T</b>	<b>R</b>	<b>I</b>	<b>G</b>	<b>H</b>	<b>T</b>			
27.2	33.8	39.0	44.9	55.4	61.5	64.1	70.4	76.4			

Sign 200



Sign No.	Road Side	Route	Sign Code	Stock No. & Description	Size	Latitude	Longitude	.08 Thick Unit Area (Sq Ft)
49	Webster	US 82	D9-2	Hospital Symbol	24"x24"	33.52570117	-89.25739644	4
50	Webster	US 82	M1-5	Route Marker 6/9	24"x24"	33.52570117	-89.25739644	4
51	Webster	US 82	M1-5	Route Marker 6/9	24"x24"	33.52570117	-89.25739644	4
52	Webster	US 82	M3-1	North	24"x12"	33.52570117	-89.25739644	2
53	Webster	US 82	M3-3	South	24"x12"	33.52570117	-89.25739644	2
54	Webster	US 82	M6-1	Right or Left Arrow	21"x15"	33.52570117	-89.25739644	2.19
55	Webster	US 82	M6-1	Right or Left Arrow (Blue)	21"x15"	33.52570117	-89.25739644	2.19
56	Webster	US 82	M6-2R	Right 45 Arrow	21"x15"	33.52570117	-89.25739644	2.19

Note: Existing signs are to be removed and replaced with new signs using existing post.



Summary of Quantities

Pay Item No.	Pay Item	Unit	Qty
618-A001	Maintenance Of Traffic	LS	1
618-B001	Additional Construction Signs	SF	1
620-A001	Mobilization	LS	1
630-A001	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness	SF	100.43 ①
630-A003	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness	SF	316 ①
630-A005	Standard Roadside Signs, Sheet Aluminum, 0.1" Thickness	SF	197.96 ①
630-C001	Square Tube Posts, 4.0 lb/ft	LF	36 ②
630-C002	Square Tube Posts, 2.0 lb/ft	LF	30 ③

- ① To include cost of removal of sign panels including hardware.
- ② To include cost of removal of existing post and footing. Also to include cost of Class "B" Concrete footing for replacment sign.
- ③ To include cost of removal of existing post and footing.

Notes:

1. Install and remove signs as shown, GPS locations are approximate and site conditions may warrant
2. Unless directed by the engineer, all existing sign assemblies not shown in this scope of work are to remain in place.
3. Installation of new signs and sign assemblies shall not block visibility of any existing signs that are to remain. All field adjustments are to be approved by the Engineer.
4. Recommended minimum spacing between signs is 200'.
5. Where posts and footings require removal in concrete islands, are to be removed and replaced, any sawcuts and removal are to be absorbed in other items. Any concrete removed will be replaced and cost to be absorbed.
6. Signs and Posts that are removed are to become the property of the contractor.
7. Any voids created with removal of existing posts are to be backfilled with suitable granular material.

Oktibbeha, US 82

MUTCD ID	Description	Size	Qty	0.080 Thick Unit Area (Sq Ft)	0.100 Thick Unit Area (Sq Ft)	.125 Thick Unit Area (Sq Ft)	630-A001 0.080 Thick Total Area (Sq Ft)	630-A003 .125 Thick Total Area (Sq Ft)	630-A005 0.100 Thick Total Area (Sq Ft)
D9-2	Hospital Symbol	24"x24"	5	4			20	0	0
D9-2	Hospital Symbol	36"x36"	1		9		0	0	9
E5-1	Exit	60"x48"	2			20	0	40	0
M1-4	US Route 82	24"x24"	6	4			24	0	0
M1-5	Route Marker 25	24"x24"	1	4			4	0	0
M2-1	JCT.	21"x15"	1	2.19			2.19	0	0
M3-2	East	24"x12"	2	2			4	0	0
M3-3	South	24"x12"	1	2			2	0	0
M3-4	West	24"x12"	3	2			6	0	0
M3-4	West	30"x15"	2	3.13			6.26	0	0
M6-2R	Right 45 Arrow	21"x15"	1	2.19			2.19	0	0
M6-3	Up Arrow	21"x15"	1	2.19			2.19	0	0
R1-1	Stop	36"x36"	1		7.46		0	0	7.46
R1-2	Yield	36"x36"x36"	4	3.9			15.6	0	0
R2-1	Speed Limit 65	36"x48"	3		12		0	0	36
R2-4a	Speed Limit 70/MIN 40	48"x96"	3			32	0	96	0
R5-1	Do Not Enter	36"x36"	1		9		0	0	9
R6-1L	One Way Left	36"x12"	2	3			6	0	0
R6-1R	One Way Right	36"x12"	2	3			6	0	0
W1-15	270-Degree Loop	48"x48"	1			16	0	16	0
W13-1	Advisory Speed (25 MPH)	36"x36"	1		9		0	0	9
W13-2	Exit 30 M.P.H.	36"x48"	7		12		0	0	84
W13-2	EXIT 25 M.P.H.	48"x60"	1			20	0	20	0
W1-8	Chevron Alignment	30"x36"	1		7.5		0	0	7.5
W2-1	Crossroad	48"x48"	1			16	0	16	0
W2-2	Side Road	48"x48"	2			16	0	32	0
W3-1	Stop Ahead	36"x36"	1		9		0	0	9
W3-5	Speed Reduction 65 M.P.H.	48"x48"	2			16	0	32	0
W8-13	Bridge Ices Before Road	48"x48"	4			16	0	64	0
XX	Watch for Turns	36"x36"	1		9		0	0	9
XX	Official/Emrg Use	36"x36"	2		9		0	0	18
<b>Total:</b>							<b>100.43</b>	<b>316</b>	<b>197.96</b>

Sign No.	MUTCD ID	Description	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 0.080 Thick Unit Area (Sq Ft)	630-A003 .125 Thick Unit Area (Sq Ft)	630-A005 0.100 Thick Unit Area (Sq Ft)	630-C001 4 lb/ft Post Unit Length (Ft)	630-C002 2 lb/ft Post Unit Length (Ft)
1	W2-1	Crossroad	48"x48"		33.53238454	-89.08624195		16			
2	R1-1	Stop	36"x36"		33.53003258	-89.07972713			7.46		
3	R6-IR	One Way Right	36"x12"		33.52684386	-89.06657578	3				
4	M1-4	US Route 82	24"x24"		33.52606031	-89.06438447	4				
5	M3-2	East	24"x12"		33.52606031	-89.06438447	2				
6	R1-2	Yield	36"x36"x36"		33.52350351	-89.05471483	3.9				
7	R5-1	Do Not Enter	36"x36"		33.51275213	-89.03570431			9		
8	R2-1	Speed Limit 65	36"x48"		33.51197155	-89.03389661			12		
9	M3-4	West	30"x15"		33.51097364	-89.03165288	3.13				
10	M1-4	US Route 82	24"x24"		33.50471407	-89.00310306	4				
11	M3-4	West	24"x12"		33.50471407	-89.00310306	2				
12	R1-2	Yield	36"x36"x36"		33.503283	-88.996045	3.9				
13	XX	Watch for Turns	36"x36"		33.5029618	-88.99330471			9		
14	R6-1L	One Way Left	36"x12"		33.50272785	-88.99037968	3				
15	W2-2	Side Road	48"x48"		33.50235594	-88.98702681		16			
16	W3-1	Stop Ahead	36"x36"	U-Post	33.50348655	-88.98417694			9		15
17	R1-2	Yield	36"x36"x36"		33.50192007	-88.98404307	3.9				
18	R6-1L	One Way Left	36"x12"		33.50192007	-88.98404307	3				
19	R6-IR	One Way Right	36"x12"		33.50192007	-88.98404307	3				
20	W2-2	Side Road	48"x48"		33.50179271	-88.98120673		16			
21	R2-1	Speed Limit 65	36"x48"		33.50004909	-88.96363896			12		
22	M3-4	West	30"x15"		33.49969591	-88.96042122	3.13				
23	R1-2	Yield	36"x36"x36"		33.499112	-88.958933	3.9				
24	R2-1	Speed Limit 65	36"x48"	Round Pipe	33.49541617	-88.89840919			12	16	
25	W13-2	Exit 30 M.P.H.	36"x48"		33.49509831	-88.85544492			12		
26	W3-5	Speed Reduction 65 M.P.H.	48"x48"		33.49547155	-88.85247218		16			
27	W3-5	Speed Reduction 65 M.P.H.	48"x48"		33.49564134	-88.85245979		16			
28	W1-8	Chevron Alignment	30"x36"		33.49614475	-88.84791374			7.5		
29	W13-2	Exit 30 M.P.H.	36"x48"		33.49567889	-88.84227491			12		
30	D9-2	Hospital Symbol	24"x24"		33.49523346	-88.83980216	4				
31	D9-2	Hospital Symbol	24"x24"		33.49525601	-88.83117933	4				
32	W13-2	Exit 30 M.P.H.	36"x48"		33.49514205	-88.8298445			12		
33	D9-2	Hospital Symbol	36"x36"		33.4945571	-88.8270379			9		
34	D9-2	Hospital Symbol	24"x24"		33.496448	-88.822803	4				
35	W13-2	Exit 30 M.P.H.	36"x48"		33.495672	-88.819607			12		
36	D9-2	Hospital Symbol	24"x24"		33.495653	-88.818295	4				
37	D9-2	Hospital Symbol	24"x24"		33.495675	-88.809758	4				

Oktibeha, US 82

Sign No.	MUTCD ID	Description	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 0.080 Thick Unit Area (Sq Ft)	630-A003 .125 Thick Unit Area (Sq Ft)	630-A005 0.100 Thick Unit Area (Sq Ft)	630-C001 4 lb/ft Post Unit Length (Ft)	630-C002 2 lb/ft Post Unit Length (Ft)
38	W13-2	Exit 30 M.P.H.	36"x48"		33.49123768	-88.79096798			12		
39	E5-1	Exit	60"x48"		33.485032	-88.782252		20			
40	W13-2	Exit 30 M.P.H.	36"x48"		33.48444733	-88.7813013			12		
41	W13-2	Exit 30 M.P.H.	36"x48"		33.47483903	-88.76573379			12		
42	W1-15	270-Degree Loop	48"x48"		33.47218989	-88.76038434		16			
43	W13-1	Advisory Speed (25 MPH)	36"x36"		33.47218989	-88.76038434			9		
44	W8-13	Bridge Ices Before Road	48"x48"		33.47121978	-88.7589238		16			
45	E5-1	Exit	60"x48"		33.4710705	-88.75852686		20			
46	W13-2	EXIT 25 M.P.H.	48"x60"		33.47079319	-88.75795987		20			
47	R2-4a	Speed Limit 70/MIN 40	48"x96"	Round Pipe	33.46898162	-88.75329554		32		20	
48	W8-13	Bridge Ices Before Road	48"x48"		33.46934	-88.751168		16			
49	XX	Official/Emrg Use	36"x36"		33.470863	-88.73008031			9		
50	XX	Official/Emrg Use	36"x36"	2 U-Post	33.470863	-88.73008031			9		15
51	W8-13	Bridge Ices Before Road	48"x48"		33.474925	-88.725872		16			
52	W8-13	Bridge Ices Before Road	48"x48"		33.47977062	-88.72364017		16			
53	R2-4a	Speed Limit 70/MIN 40	48"x96"		33.4830069	-88.71976897		32			
54	M1-4	US Route 82	24"x24"		33.48442694	-88.71594445	4				
55	M1-5	Route Marker 25	24"x24"		33.48442694	-88.71594445	4				
56	M3-3	South	24"x12"		33.48442694	-88.71594445	2				
57	M3-4	West	24"x12"		33.48442694	-88.71594445	2				
58	M1-4	US Route 82	24"x24"		33.4858283	-88.70669999	4				
59	M1-4	US Route 82	24"x24"		33.4858283	-88.70669999	4				
60	M3-2	East	24"x12"		33.4858283	-88.70669999	2				
61	M3-4	West	24"x12"		33.4858283	-88.70669999	2				
62	M6-2R	Right 45 Arrow	21"x15"		33.4858283	-88.70669999	2.19				
63	M6-3	Up Arrow	21"x15"		33.4858283	-88.70669999	2.19				
64	M1-4	US Route 82	24"x24"		33.481273	-88.70654793	4				
65	M2-1	JCT.	21"x15"		33.481273	-88.70654793	2.19				
66	R2-4a	Speed Limit 70/MIN 40	48"x96"		33.48385101	-88.69370813		32			
<b>Total:</b>							<b>100.43</b>	<b>316</b>	<b>197.96</b>	<b>36</b>	<b>30</b>

Oktribbeha US 82 Assembly



Sign No.	County	Route	MUTCD ID	Description	Size	Latitude	Longitude	0.080 Thick		.125 Thick	
								Unit Area (Sq Ft)	Unit Area (Sq Ft)	Unit Area (Sq Ft)	Unit Area (Sq Ft)
54	Oktribbeha	US 82	M1-4	US Route 82	24"x24"	33.4844269	-88.71594445	4			
55	Oktribbeha	US 82	M1-5	Route Marker 25	24"x24"	33.4844269	-88.71594445	4			
56	Oktribbeha	US 82	M3-3	South	24"x12"	33.4844269	-88.71594445	2			
57	Oktribbeha	US 82	M3-4	West	24"x12"	33.4844269	-88.71594445	2			

Note: Existing signs are to be removed and replaced with new signs using existing post.

Oktribbeha US 82 Assembly



Sign No.	County	Route	MUTCD ID	Description	Size	Latitude	Longitude	0.080 Thick			0.100 Thick			.125 Thick		
								Unit Area (Sq Ft)	Unit Area (Sq Ft)	Unit Area (Sq Ft)	Unit Area (Sq Ft)	Unit Area (Sq Ft)	Unit Area (Sq Ft)	Unit Area (Sq Ft)	Unit Area (Sq Ft)	Unit Area (Sq Ft)
58	Oktribbeha	US82	M1-4	US Route 82	24"x24"	33.4858283	-88.70669999	4								
59	Oktribbeha	US82	M1-4	US Route 82	24"x24"	33.4858283	-88.70669999	4								
60	Oktribbeha	US82	M3-2	East	24"x12"	33.4858283	-88.70669999	2								
61	Oktribbeha	US82	M3-4	West	24"x12"	33.4858283	-88.70669999	2								
62	Oktribbeha	US82	M6-2R	Right 45 Arrow	21"x15"	33.4858283	-88.70669999	2.19								
63	Oktribbeha	US82	M6-3	Up Arrow	21"x15"	33.4858283	-88.70669999	2.19								

Note: Existing signs are to be removed and replaced with new signs using existing post.



Sign No.	County	Route	MUTCD ID	Description	Size	Latitude	Longitude	0.080 Thick		0.100 Thick		.125 Thick	
								Unit Area (Sq Ft)	Unit Area (Sq Ft)	Unit Area (Sq Ft)	Unit Area (Sq Ft)	Unit Area (Sq Ft)	Unit Area (Sq Ft)
42	Oktribbeha	US82	W1-15	270-Degree Loop	48"x48"	33.4721899	-88.76038434						16
43	Oktribbeha	US82	W13-1	Advisory Speed (25 MPH)	36"x36"	33.4721899	-88.76038434			9			

Note: Existing signs are to be removed and replaced with new signs using existing post.

Summary of Quantities

Pay Item No.	Pay Item	Unit	Qty
618-A001	Maintenance Of Traffic	LS	1
618-B001	Additional Construction Signs	SF	1
620-A001	Mobilization	LS	1
630-A001	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness	SF	182.39
630-A003	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness	SF	305.25
630-A005	Standard Roadside Signs, Sheet Aluminum, 0.1" Thickness	SF	512.05
630-C001	Square Tube Posts, 4.0 lb/ft	LF	135
630-C002	Square Tube Posts, 2.0 lb/ft	LF	75
907-630-PP002	Roadside Directional Signs, Sheet Aluminum, 0.125" Thickness, Ground Mounted	SF	108.25

- ①
- ①
- ①
- ②
- ③
- ①

- ① To include cost of removal of sign panels including hardware.
- ② To include cost of removal of existing post and footing. Also to include cost of Class "B" Concrete footing for replacement sign.
- ③ To include cost of removal of existing post and footing.

Notes:

1. Install and remove signs as shown, GPS locations are approximate and site conditions may warrant adjustment.
2. Unless directed by the engineer, all existing sign assemblies not shown in this scope of work are to remain in place.
3. Installation of new signs and sign assemblies shall not block visibility of any existing signs that are to remain. All field adjustments are to be approved by the Engineer.
4. Recommended minimum spacing between signs is 200'.
5. Where posts and footings require removal in concrete islands, are to be removed and replaced, any sawcuts and removal are to be absorbed in other items. Any concrete removed will be replaced and cost to be absorbed.
6. Signs and Posts that are removed are to become the property of the contractor.
7. Any voids created with removal of existing posts are to be backfilled with suitable granular material.



Sign Code	Description	Size	Qty	0.080 Thick Unit Area (Sq Ft)	0.100 Thick Unit Area (Sq Ft)	.125 Thick Unit Area (Sq Ft)	630-A001 0.080 Thick Total Area (Sq Ft)	630-A003 .125 Thick Total Area (Sq Ft)	630-A005 0.100 Thick Total Area (Sq Ft)	907-630-PP002 Directional Signs .125 Thick Total Area (Sq Ft)
D9-3a	Camping Symbol	24"x24"	1	4			4	0	0	
E5-1	Exit	60"x48"	1			20	0	20	0	
M1-5	Route Marker 15	24"x24"	1	4			4	0	0	
M1-5	Route Marker 25	24"x24"	2	4			8	0	0	
M6-1R	Right Arrow	21"x15"	1	2.19			2.19	0	0	
OM-3L	Type 3 Object Marker	12"x36"	9	3			27	0	0	
OM-3R	Type 3 Object Marker	12"x36"	7	3			21	0	0	
R1-1	Stop	36"x36"	5		7.46		0	0	37.3	
R1-1	Stop	48"x48"	1			13.25	0	13.25	0	
R1-2	Yield	36"x36"x36"	8	3.9			31.2	0	0	
R5-1	Do Not Enter	36"x36"	3		9		0	0	27	
R5-1a	Wrong Way	42"x30"	1		8.75		0	0	8.75	
R5-2	No Trucks	24"x24"	1	4			4	0	0	
R6-1L	One Way Left	36"x12"	18	3			54	0	0	
R6-1R	One Way Right	36"x12"	5	3			15	0	0	
W1-1L	Left Turn	36"x36"	1		9		0	0	9	
W13-2	Exit 20 M.P.H.	36"x48"	1		12		0	0	12	
W13-2	Exit 30 M.P.H.	36"x48"	2		12		0	0	24	
W13-2	Exit 40 M.P.H.	36"x48"	2		12		0	0	24	
W1-3R	Right Reverse Turn	48"x48"	1			16	0	16	0	
W1-7	Two Direction Large Arrow	24"x48"	2		8		0	0	16	
W1-8L	Chevron Alignment	30"x36"	34		7.5		0	0	255	
W2-1	Crossroad	48"x48"	1			16	0	16	0	
W3-1	Stop Ahead	36"x36"	11		9		0	0	99	
W3-1	Stop Ahead	48"x48"	5			16	0	80	0	
W4-1R	Merge Right	48"x48"	1			16	0	16	0	
W8-13	Bridge Ices Before Road	48"x48"	9			16	0	144	0	
XX	Begin State Maintnce	24"x18"	2	3			6	0	0	
XX	End State Maintnce	24"x18"	2	3			6	0	0	
XX	Roadside Directional Signs		5							108.25
<b>Total:</b>							<b>182.39</b>	<b>305.25</b>	<b>512.05</b>	<b>108.25</b>

Winston, SR 25

Sign No.	Sign Code	Description	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 0.080 Thick Unit Area (Sq Ft)	630-A003 .125 Thick Unit Area (Sq Ft)	630-A005 0.100 Thick Unit Area (Sq Ft)	630-C001 4 lb/ft Post Unit Length (Ft)	630-C002 2 lb/ft Post Unit Length (Ft)	907-630-PP002 Roadside Directional Sign .125 Thick Unit Area (Sq Ft)
1	R6-1L	One Way Left	36"x12"		33.17599166	-89.01750482	3					
2	W3-1	Stop Ahead	36"x36"		33.18285048	-89.01231239			9			
3	R6-1L	One Way Left	36"x12"		33.27889687	-88.90191046	3					
4	R6-1R	One Way Right	36"x12"		33.27889687	-88.90191046	3					
5	W3-1	Stop Ahead	36"x36"		33.27438008	-88.91421332			9			
6	R6-1L	One Way Left	36"x12"		33.26766519	-88.93139727	3					
7	R1-1	Stop	36"x36"	U-Post	33.26529787	-88.9449385			7.46		15	
8	R1-1	Stop	36"x36"		33.25433798	-88.95940272			7.46			
9	R6-1L	One Way Left	36"x12"		33.2402073	-88.97628474	3					
10	R1-2	Yield	36"x36"x36"		33.23997618	-88.97635435	3.9					
11	R6-1L	One Way Left	36"x12"		33.21780039	-88.98381313	3					
12	R6-1R	One Way Right	36"x12"		33.21755275	-88.98386644	3					
13	OM-3L	Type 3 Object Marker	12"x36"		33.19824131	-88.99482909	3					
14	R6-1L	One Way Left	36"x12"		33.18638254	-89.00703264	3					
15	R1-2	Yield	36"x36"x36"	U-Post	33.18566674	-89.00688552	3.9				15	
16	R5-1	Do Not Enter	36"x36"		33.18566674	-89.00688552			9			
17	OM-3R	Type 3 Object Marker	12"x36"		33.19715119	-88.99504066	3					
18	OM-3L	Type 3 Object Marker	12"x36"		33.19732735	-88.9950766	3					
19	R6-1R	One Way Right	36"x12"		33.2575736	-88.95252405	3					
20	W3-1	Stop Ahead	36"x36"		33.27823743	-88.90086603			9			
21	OM-3R	Type 3 Object Marker	12"x36"		33.2836011	-88.89933077	3					
22	OM-3L	Type 3 Object Marker	12"x36"		33.15774	-89.086865	3					
23	R6-1L	One Way Left	36"x12"		33.07318939	-89.11867122	3					
24	W3-1	Stop Ahead	48"x48"		33.07471797	-89.11879985		16				
25	OM-3L	Type 3 Object Marker	12"x36"		33.07614492	-89.11125731	3					
26	OM-3R	Type 3 Object Marker	12"x36"		33.07613636	-89.11119411	3					
27	OM-3R	Type 3 Object Marker	12"x36"		33.07683155	-89.11072931	3					
28	OM-3R	Type 3 Object Marker	12"x36"		33.07756245	-89.10808009	3					
29	OM-3R	Type 3 Object Marker	12"x36"		33.08001947	-89.10526271	3					
30	OM-3L	Type 3 Object Marker	12"x36"		33.07894844	-89.10625056	3					
31	R6-1L	One Way Left	36"x12"		33.08779031	-89.09626958	3					
32	W3-1	Stop Ahead	48"x48"		33.08722119	-89.09498244		16				
33	W3-1	Stop Ahead	48"x48"		33.0715092	-89.11882002		16				
34	R5-1	Do Not Enter	36"x36"		33.07274307	-89.11891992			9			
35	R6-1L	One Way Left	36"x12"		33.05745942	-89.14787	3					
36	OM-3L	Type 3 Object Marker	12"x36"		33.07674606	-89.11073296	3					
37	R1-1	Stop	48"x48"		32.99317333	-89.21771363		13.25				
38	W3-1	Stop Ahead	36"x36"		33.05442119	-89.15330914			9			
39	R6-1L	One Way Left	36"x12"		33.053197	-89.15141919	3					
40	R1-2	Yield	36"x36"x36"		33.05303521	-89.15113652	3.9					
41	R6-1R	One Way Right	36"x12"		33.05303521	-89.15113652	3					
42	R6-1L	One Way Left	36"x12"		33.05303521	-89.15113652	3					
43	OM-3L	Type 3 Object Marker	12"x36"		33.03800452	-89.16083821	3					
44	OM-3L	Type 3 Object Marker	12"x36"		33.03795164	-89.16078376	3					
45	W3-1	Stop Ahead	36"x36"		33.03052987	-89.17302321			9			

Winston, SR 25

Sign No.	Sign Code	Description	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 0.080 Thick Unit Area (Sq Ft)	630-A003 .125 Thick Unit Area (Sq Ft)	630-A005 0.100 Thick Unit Area (Sq Ft)	630-C001 4 lb/ft Post Unit Length (Ft)	630-C002 2 lb/ft Post Unit Length (Ft)	907-630-PP002 Roadside Directional Sign .125 Thick Unit Area (Sq Ft)
46	R5-1	Do Not Enter	36"x36"		33.03069977	-89.17156276			9			
47	W3-1	Stop Ahead	48"x48"		33.00292537	-89.19952627		16				
48	R1-2	Yield	36"x36"x36"		33.00390895	-89.20057664	3.9					
49	W3-1	Stop Ahead	36"x36"		32.99667012	-89.21449111			9			
50	R6-1L	One Way Left	36"x12"		32.99317333	-89.21771363	3					
51	R1-2	Yield	36"x36"x36"		32.99344802	-89.21761871	3.9					
52	W3-1	Stop Ahead	36"x36"		32.98381786	-89.23032627			9			
53	R6-1L	One Way Left	36"x12"		32.98170721	-89.24636285	3					
54	R6-1L	One Way Left	36"x12"		32.98137332	-89.24640478	3					
55	R6-1L	One Way Left	36"x12"		32.97900543	-89.26403067	3					
56	R1-1	Stop	36"x36"		32.93522887	-89.31695637			7.46			
57	W3-1	Stop Ahead	36"x36"		32.93730039	-89.31672927			9			
58	W3-1	Stop Ahead	36"x36"		32.93542505	-89.3166957			9			
59	R5-1a	Wrong Way	42"x30"	2 U-Post	32.94370731	-89.30998972			8.75		15	
60	OM-3R	Type 3 Object Marker	12"x36"		32.94566469	-89.30913916	3					
61	R1-1	Stop	36"x36"		32.95490941	-89.30119793			7.46			
62	W3-1	Stop Ahead	36"x36"		32.95404513	-89.30248669			9			
63	W3-1	Stop Ahead	36"x36"		32.93653108	-89.3160132			9			
64	R1-1	Stop	36"x36"		32.97085945	-89.28511525			7.46			
65	R1-2	Yield	36"x36"x36"		32.9620306	-89.29377101	3.9					
66	R6-1L	One Way Left	36"x12"		32.9620306	-89.29377101	3					
67	R6-1L	One Way Left	36"x12"	U-Post	32.95810223	-89.29680208	3				15	
68	R1-2	Yield	36"x36"x36"		32.95481631	-89.30095103	3.9					
69	R1-2	Yield	36"x36"x36"		32.95451873	-89.30100095	3.9					
70	R6-1L	One Way Left	36"x12"		32.95451873	-89.30100095	3					
71	R6-1R	One Way Right	36"x12"		32.95451873	-89.30100095	3					
72	W3-1	Stop Ahead	48"x48"		32.95320991	-89.30149236		16				
73	OM-3L	Type 3 Object Marker	12"x36"		32.94568525	-89.30913155	3					
74	XX	Begin State Maintenance	24"x18"		33.18476617	-89.00661033	3					
75	M6-1R	Right Arrow	21"x15"		33.15830772	-89.08551783	2.19					
76	W1-8R	Chevron Alignment	30"x36"		33.1594596	-89.08687962			7.5			
77	W1-8R	Chevron Alignment	30"x36"		33.15943423	-89.08721634			7.5			
78	M1-5	Route Marker 15	24"x24"		33.15869636	-89.08594327						
79	W8-13	Bridge Ices Before Road	48"x48"		33.07745139	-89.10929215		16				
80	W8-13	Bridge Ices Before Road	48"x48"		33.07754685	-89.10802968		16				
81	W8-13	Bridge Ices Before Road	48"x48"		33.08002534	-89.10526386		16				
82	W1-8R	Chevron Alignment	30"x36"		33.10561407	-89.08025756			7.5			
83	W1-8R	Chevron Alignment	30"x36"		33.10569433	-89.08023024			7.5			
84	W1-8R	Chevron Alignment	30"x36"		33.10578351	-89.08016171			7.5			
85	W1-8R	Chevron Alignment	30"x36"		33.10587772	-89.08008511			7.5			
86	W1-8R	Chevron Alignment	30"x36"		33.10605869	-89.07997346			7.5			
87	W1-8R	Chevron Alignment	30"x36"		33.1060497	-89.0799735			7.5			
88	W1-8R	Chevron Alignment	30"x36"		33.10619791	-89.07977417			7.5			
89	W1-8R	Chevron Alignment	30"x36"		33.10622364	-89.07974997			7.5			
90	W1-8R	Chevron Alignment	30"x36"		33.10628581	-89.07966082			7.5			

Winston, SR 25

Sign No.	Sign Code	Description	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 0.080 Thick Unit Area (Sq Ft)	630-A003 .125 Thick Unit Area (Sq Ft)	630-A005 0.100 Thick Unit Area (Sq Ft)	630-C001 4 lb/ft Post Unit Length (Ft)	630-C002 2 lb/ft Post Unit Length (Ft)	907-630-PP002 Roadside Directional Sign .125 Thick Unit Area (Sq Ft)
91	W1-8R	Chevron Alignment	30"x36"		33.10633335	-89.079555506			7.5			
92	W1-8R	Chevron Alignment	30"x36"		33.10645138	-89.07940309			7.5			
93	W1-8R	Chevron Alignment	30"x36"		33.10656888	-89.07920281			7.5			
94	W1-8R	Chevron Alignment	30"x36"		33.10659897	-89.07907181			7.5			
95	W1-8R	Chevron Alignment	30"x36"		33.10669195	-89.07893069			7.5			
96	W1-8R	Chevron Alignment	30"x36"		33.10669914	-89.07893943			7.5			
97	W1-8R	Chevron Alignment	30"x36"		33.10674448	-89.07866213			7.5			
98	W8-13	Bridge Ices Before Road	48"x48"		33.07552554	-89.11276396		16				
99	XX	Begin State Maintnce	24"x18"		33.06376991	-89.14391514	3					
100	XX	End State Maintnce	24"x18"	U-Post	33.0636857	-89.14383058	3			15		
101	W1-8R	Chevron Alignment	30"x36"		33.10674563	-89.07869107			7.5			
102	W1-8R	Chevron Alignment	30"x36"		33.1067984	-89.07838812			7.5			
103	W1-8R	Chevron Alignment	30"x36"		33.10877213	-89.08132281			7.5			
104	W1-8R	Chevron Alignment	30"x36"		33.10885706	-89.08138421			7.5			
105	W1-8R	Chevron Alignment	30"x36"		33.10923887	-89.08166608			7.5			
106	W1-8R	Chevron Alignment	30"x36"		33.10925862	-89.08167438			7.5			
107	W1-8R	Chevron Alignment	30"x36"		33.10960296	-89.08168444			7.5			
108	W1-8R	Chevron Alignment	30"x36"		33.109728	-89.08163293			7.5			
109	W1-8R	Chevron Alignment	30"x36"		33.10982321	-89.08148834			7.5			
110	W1-8R	Chevron Alignment	30"x36"		33.10996299	-89.08109142			7.5			
111	W1-8R	Chevron Alignment	30"x36"		33.10994964	-89.08111369			7.5			
112	W2-1	Crossroad	48"x48"	Square Tube Post	33.06300924	-89.14253104		16		15		
113	R5-2	No Trucks	24"x24"		33.08749871	-89.09568248	4					
114	E5-1	Exit	60"x48"		33.112513	-89.081155		20				
115	W8-13	Bridge Ices Before Road	48"x48"		33.109018	-89.081775		16				
116	W8-13	Bridge Ices Before Road	48"x48"		33.04015238	-89.15982713		16				
117	W8-13	Bridge Ices Before Road	48"x48"		33.03719983	-89.16141654		16				
118	W1-7	Two Direction Large Arrow	24"x48"		32.93550469	-89.31701136			8			
119	W1-8L	Chevron Alignment	30"x36"		32.93597263	-89.31773623			7.5			
120	M1-5	Route Marker 25	24"x24"		32.93925323	-89.31483523	4					
121	W8-13	Bridge Ices Before Road	48"x48"		32.94432232	-89.31012639		16				
122	W8-13	Bridge Ices Before Road	48"x48"		32.94908944	-89.30603926		16				
123	W4-1R	Merge Right	48"x48"		32.94883231	-89.30613536		16				
124	M1-5	Route Marker 25	24"x24"		32.95260849	-89.30281999	4					
125	W1-7	Two Direction Large Arrow	24"x48"		32.95522482	-89.30122839			8			
126	XX	End State Maintnce	24"x18"		32.95607293	-89.3017256	3					
127	W1-3R	Right Reverse Turn	48"x48"		32.95229442	-89.30180296		16				
128	W1-8R	Chevron Alignment	30"x36"		32.9527855	-89.30195393			7.5			
129	W1-8R	Chevron Alignment	30"x36"		32.95295285	-89.30185171			7.5			
130	W1-8R	Chevron Alignment	30"x36"		32.95315517	-89.30171338			7.5			
131	W1-8R	Chevron Alignment	30"x36"		32.95324838	-89.30164448			7.5			
132	D9-3a	Camping Symbol	24"x24"		33.18515281	-89.00809097	4					
133	W13-2	Exit 20 M.P.H.	36"x48"		33.10845093	-89.08079705			12			
134	W13-2	Exit 40 M.P.H.	36"x48"		32.94945196	-89.3064767			12			
135	W13-2	Exit 30 M.P.H.	36"x48"		33.10486262	-89.08063463			12			

Winston, SR 25

Sign No.	Sign Code	Description	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 0.080 Thick Unit Area (Sq Ft)	630-A003 .125 Thick Unit Area (Sq Ft)	630-A005 0.100 Thick Unit Area (Sq Ft)	630-C001 4 lb/ft Post Unit Length (Ft)	630-C002 2 lb/ft Post Unit Length (Ft)	907-630-PP002 Roadside Directional Sign .125 Thick Unit Area (Sq Ft)
136	W13-2	Exit 30 M.P.H.	36"x48"		33.16076516	-89.08397962			12			
137	W1-1L	Left Turn	36"x36"		32.93727314	-89.31676273			9			
138	W13-2	Exit 40 M.P.H.	36"x48"		32.94268425	-89.31120089			12			
139	XX	Corr. Facility Area Emergency Stopping Only NEXT 2 Miles	114"x42"	U-Post	33.1752474	-89.0203998				30		33.25
140	XX	Louisville Corp. Limit	84"x36"	U-Post	33.09638435	-89.08772705				30		21
141	XX	Morgantown ←	96"x36"	U-Post	33.2642682	-88.94517491				30		24
142	XX	Noxapater →	78"x30"		33.00316707	-89.20200034						16.25
143	XX	← Sims Rd Calvary Rd →	66"x30"	U-Post	33.0742262	-89.11628535				30		13.75
<b>Total:</b>							<b>182.39</b>	<b>305.25</b>	<b>512.05</b>	<b>135</b>	<b>75</b>	<b>108.25</b>

MS 25 Winston County



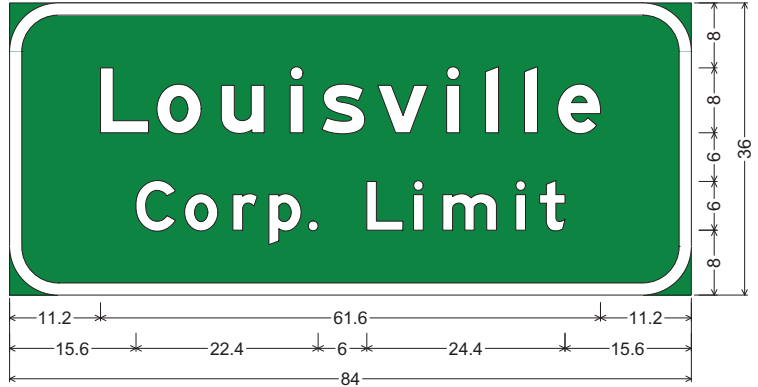
6.0" Radius, 1.5" Border, Black on, White;  
 "Corr. Facility Area", C 2K; "Emergency Stopping Only", C 2K 75% spacing; "NEXT 2 MILES", C 2K;

Table of letter and object lefts

C	o	r	r	.	F	a	c	i	i	i	t	y	A	r	e	a
17.8	23.4	28.7	32.2	35.4	42.6	47.3	52.2	57.2	59.8	62.3	64.2	67.4	78.3	84.4	87.7	92.4
E	m	e	r	g	a	c	y	s	t	e	p	p	i	n	g	s
4.7	9.7	17.3	22.1	25.3	30.2	35.1	40.0	44.3	53.3	58.2	61.5	66.5	71.4	76.4	78.6	83.5
o		n	i	y												
91.6		97.4	102.5	104.3												
N	E	X	T	2	M	I	L	E	S							
35.0	38.9	41.9	45.1	53.7	63.6	68.0	69.8	73.1	76.2							

Sign 139

MS 25 Winston County



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

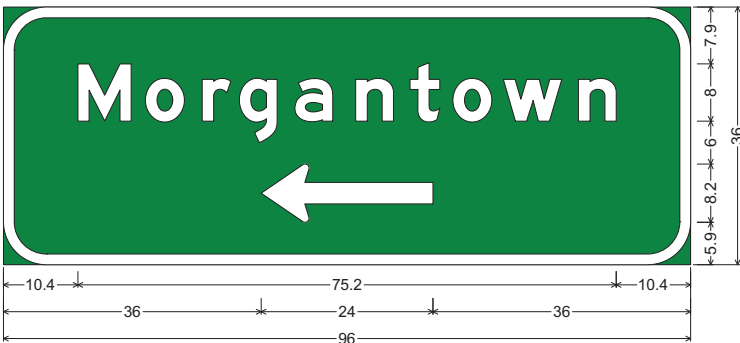
"Louisville", E Mod 2K; "Corp. Limit", E Mod 2K;

Table of letter and object lefts

L	o	u	i	s	v	i	i	e									
11.2	18.2	26.1	34.6	38.5	45.4	53.8	58.6	63.4	67.5								
C	o	r	p	.	L	i	m	i	t								
15.6	21.6	27.5	32.0	36.8	44.0	49.8	53.4	62.4	65.3								

Sign 140

MS 25 Winston County



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

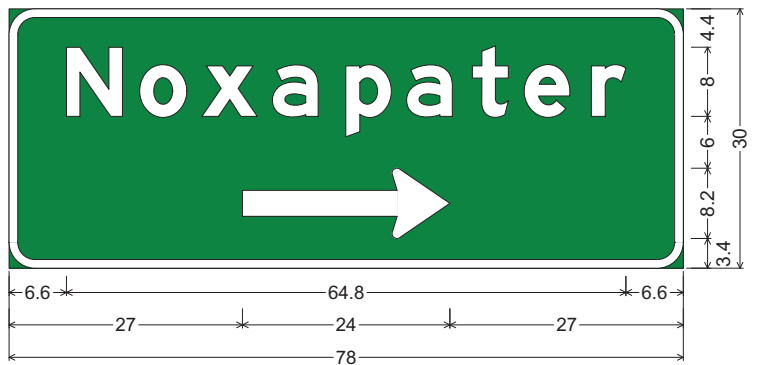
"Morgantown", E Mod 2K; Standard Arrow Custom 24.0" X 8.1" 180°;

Table of letter and object lefts

M	o	r	g	a	n	t	o	w	n							
10.4	19.8	27.8	33.0	40.7	49.2	56.8	62.8	69.8	80.3							
←																
36.0																

Sign 141

MS 25 Winston County



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

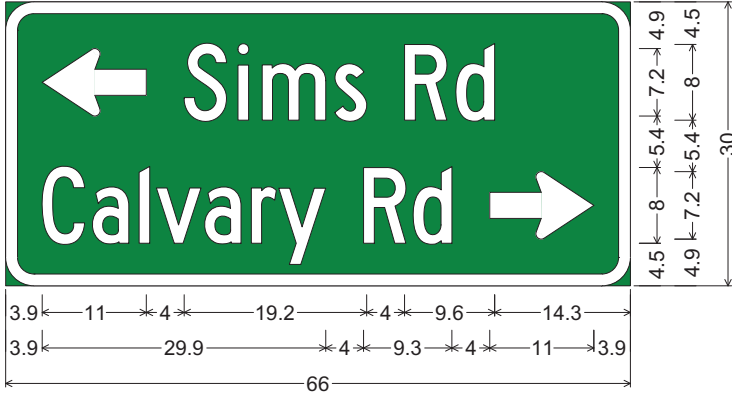
"Noxapater", E Mod 2K; Standard Arrow Custom 24.0" X 8.1" 0°;

Table of letter and object lefts

N	o	x	a	p	a	t	e	r								
6.6	15.1	22.3	30.5	39.0	46.0	53.6	59.6	67.4								
→																
27.0																

Sign 142

MS 25 Winston County



3.0" Radius, 1.3" Border, White on, Green;  
 Standard Arrow Custom 11.0" X 7.1" 180°; "Sims Rd", C 2K;  
 "Calvary Rd", C 2K 80% spacing;  
 Standard Arrow Custom 11.0" X 7.1" 0°;  
 Table of letter and object lefts

←	S	i	m	s	R	d			
3.9	18.9	24.5	27.1	34.8	42.1	47.6			
C	a	l	v	a	r	y	R	d	→
3.9	9.2	14.1	15.9	21.0	26.0	28.9	37.8	43.1	51.1

Sign 143

Summary of Quantities

Pay Item No.	Pay Item	Unit	Qty	
618-A001	Maintenance Of Traffic	LS	1	
618-B001	Additional Construction Signs	SF	1	
620-A001	Mobilization	LS	1	
630-A001	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness	SF	87.95	①
630-A003	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness	SF	224	①
630-A005	Standard Roadside Signs, Sheet Aluminum, 0.1" Thickness	SF	235.46	①
630-C001	Square Tube Posts, 4.0 lb/ft	LF	45	②
630-C002	Square Tube Posts, 2.0 lb/ft	LF	75	③
907-630-PP002	Roadside Directional Signs, Sheet Aluminum, 0.125" Thickness, Ground Mounted	SF	35	①

- ① To include cost of removal of sign panels including hardware.
- ② To include cost of removal of existing post and footing. Also to include cost of Class "B" Concrete footing for replacement sign.
- ③ To include cost of removal of existing post and footing.

Notes:

1. Install and remove signs as shown, GPS locations are approximate and site conditions may warrant adjustment.
2. Unless directed by the engineer, all existing sign assemblies not shown in this scope of work are to remain in place.
3. Installation of new signs and sign assemblies shall not block visibility of any existing signs that are to remain. All field adjustments are to be approved by the Engineer.
4. Recommended minimum spacing between signs is 200'.
5. Where posts and footings require removal in concrete islands, are to be removed and replaced, any sawcuts and removal are to be absorbed in other items. Any concrete removed will be replaced and cost to be absorbed.
6. Signs and Posts that are removed are to become the property of the contractor.
7. Any voids created with removal of existing posts are to be backfilled with suitable granular material.



Oktibeha, SR 25

MUTCD ID	Description	Size	Qty	0.080 Thick Unit Area (Sq Ft)	0.100 Thick Unit Area (Sq Ft)	.125 Thick Unit Area (Sq Ft)	630-A001 0.080 Thick Total Area (Sq Ft)	630-A003 .125 Thick Total Area (Sq Ft)	630-A005 0.100 Thick Total Area (Sq Ft)	907-630-PP002 Directional Signs .125 Thick Total Area (Sq Ft)
D9-2	Hospital Symbol	24"x24"	2	4			8	0	0	
M1-5	Route Marker 25	36"x36"	2		9		0	0	18	
M3-1	North	30"x15"	2	3.13			6.26	0	0	
M6-1	Left or Right Arrow (Brown)	21"x15"	1	2.19			2.19	0	0	
OM-3L	Type 3 Object Marker	12"x36"	5	3			15	0	0	
OM-3R	Type 3 Object Marker	12"x36"	8	3			24	0	0	
R1-1	Stop	36"x36"	1		7.46		0	0	7.46	
R1-2	Yield	36"x36"x36"	5	3.9			19.5	0	0	
R2-1	Speed Limit 65	36"x48"	3		12		0	0	36	
R5-1	Do Not Enter	30"x30"	1		9		0	0	9	
R6-1L	One Way Left	36"x12"	2	3			6	0	0	
R6-2R	One Way Right	18"x24"	1	3			3	0	0	
RS-068	Hiking Trail	24"x24"	1	4			4	0	0	
W1-1R	Right Turn	36"x36"	1		9		0	0	9	
W1-2R	Right Curve	36"x36"	1		9		0	0	9	
W13-2	Exit 30 M.P.H.	36"x48"	1		12		0	0	12	
W13-2	Exit 45 M.P.H.	36"x48"	3		12		0	0	36	
W1-8	Chevron Alignment	30"x36"	12		7.5		0	0	90	
W2-1	Crossroad	48"x48"	2			16	0	32	0	
W3-1	Stop Ahead	36"x36"	1		9		0	0	9	
W3-1	Stop Ahead	48"x48"	1			16	0	16	0	
W4-1R	Merge Right	48"x48"	5			16	0	80	0	
W8-13	Bridge Ices Before Road	48"x48"	6			16	0	96	0	
XX	Roadside Directional Signs		2				0	0	0	35
<b>Total:</b>							<b>87.95</b>	<b>224</b>	<b>235.46</b>	<b>35</b>

Oktibeha, SR 25

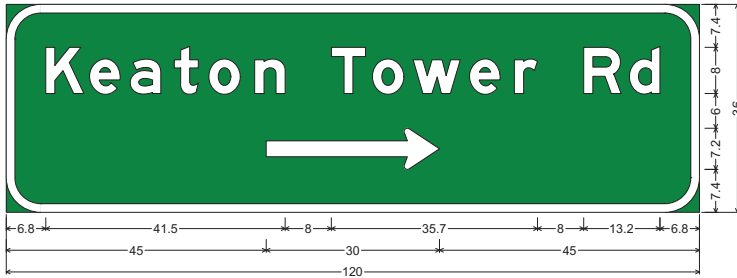
Sign No.	MUTCD ID	Description	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 0.080 Thick Unit Area (Sq Ft)	630-A003 .125 Thick Unit Area (Sq Ft)	630-A005 0.100 Thick Unit Area (Sq Ft)	630-C001 4 lb/ft Post Unit Length (Ft)	630-C002 2 lb/ft Post Unit Length (Ft)	907-630-PP002 Roadside Directional Sign .125 Thick Unit Area (Sq Ft)
1	R1-2	Yield	36"x36"x36"	U-Post	33.40315138	-88.85572187	3.9				15	
2	OM-3R	Type 3 Object Marker	12"x36"		33.38263629	-88.8694556	3					
3	OM-3R	Type 3 Object Marker	12"x36"		33.38269996	-88.8695296	3					
4	OM-3L	Type 3 Object Marker	12"x36"		33.3835287	-88.86959186	3					
5	OM-3R	Type 3 Object Marker	12"x36"		33.3835191	-88.86946321	3					
6	W3-1	Stop Ahead	48"x48"		33.40320919	-88.85403803		16				
7	R2-1	Speed Limit 65	36"x48"		33.37201429	-88.87174029			12			
8	R2-1	Speed Limit 65	36"x48"		33.37207572	-88.87188507			12			
9	R6-1L	One Way Left	36"x12"		33.37380767	-88.87136305	3					
10	OM-3R	Type 3 Object Marker	12"x36"		33.29104371	-88.90363991	3					
11	OM-3L	Type 3 Object Marker	12"x36"		33.29142505	-88.90386759	3					
12	OM-3R	Type 3 Object Marker	12"x36"		33.29330601	-88.90556586	3					
13	OM-3L	Type 3 Object Marker	12"x36"		33.29565321	-88.90649917	3					
14	OM-3L	Type 3 Object Marker	12"x36"		33.29885749	-88.90706233	3					
15	R1-2	Yield	36"x36"x36"	U-Post	33.31384062	-88.90896103	3.9				15	
16	R1-2	Yield	36"x36"x36"		33.343432	-88.886678	3.9					
17	R6-1L	One Way Left	36"x12"		33.35943	-88.87523	3					
18	W3-1	Stop Ahead	36"x36"		33.34212074	-88.88524804			9			
19	R1-2	Yield	36"x36"x36"		33.35926704	-88.87524715	3.9					
20	R1-2	Yield	36"x36"x36"	U-Post	33.35943	-88.87523	3.9				15	
21	OM-3R	Type 3 Object Marker	12"x36"		33.49492879	-88.84980706	3					
22	R1-1	Stop	36"x36"	U-Post	33.30790769	-88.90841676			7.46			
23	OM-3R	Type 3 Object Marker	12"x36"		33.29563571	-88.90647808	3					
24	OM-3L	Type 3 Object Marker	12"x36"		33.44011281	-88.85356741	3					
25	OM-3R	Type 3 Object Marker	12"x36"		33.44012984	-88.85355688	3					
26	R2-1	Speed Limit 65	36"x48"		33.47391253	-88.85161803			12			
27	R6-2R	One Way Right	18"x24"		33.46687919	-88.85223838	3					
28	W8-13	Bridge Ices Before Road	48"x48"		33.38138728	-88.86991121		16				
29	W2-1	Crossroad	48"x48"		33.40117471	-88.85674324		16				
30	W2-1	Crossroad	48"x48"		33.40120075	-88.85681981		16				
31	W1-8R	Chevron Alignment	30"x36"		33.37617728	-88.86915932			7.5			
32	W1-8R	Chevron Alignment	30"x36"		33.37620375	-88.86910765			7.5			
33	W1-8R	Chevron Alignment	30"x36"		33.37626437	-88.86893433			7.5			
34	W1-8R	Chevron Alignment	30"x36"		33.37621929	-88.86891655			7.5			
35	W1-8R	Chevron Alignment	30"x36"		33.37634759	-88.86872274			7.5			
36	W1-8R	Chevron Alignment	30"x36"		33.37635255	-88.86871837			7.5			
37	W8-13	Bridge Ices Before Road	48"x48"		33.2902351	-88.90298696		16				
38	W8-13	Bridge Ices Before Road	48"x48"		33.346275	-88.882423		16				
39	W4-1R	Merge Right	48"x48"		33.49310938	-88.85029705		16				
40	W8-13	Bridge Ices Before Road	48"x48"		33.49360456	-88.84994797		16				
41	W1-8R	Chevron Alignment	30"x36"		33.49682279	-88.84936208			7.5			
42	W1-8R	Chevron Alignment	30"x36"		33.49671426	-88.84944662			7.5			
43	W1-8R	Chevron Alignment	30"x36"		33.49670496	-88.84945078			7.5			
44	W1-8R	Chevron Alignment	30"x36"		33.49693228	-88.84900915			7.5			

Oktibeha, SR 25

Sign No.	MUTCD ID	Description	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 0.080 Thick Unit Area (Sq Ft)	630-A003 .125 Thick Unit Area (Sq Ft)	630-A005 0.100 Thick Unit Area (Sq Ft)	630-C001 4 lb/ft Post Unit Length (Ft)	630-C002 2 lb/ft Post Unit Length (Ft)	907-630-PP002 Roadside Directional Sign .125 Thick Unit Area (Sq Ft)
45	M3-1	North	30"x15"		33.45276676	-88.85353587	3.13					
46	W4-1R	Merge Right	48"x48"		33.46443305	-88.85251635		16				
47	W8-13	Bridge Ices Before Road	48"x48"		33.433868	-88.853628		16				
48	W4-1R	Merge Right	48"x48"		33.44429311	-88.85357644		16				
49	M3-1	North	30"x15"	Round Pipe	33.47120904	-88.85182166	3.13		9	15		
50	M1-5	Route Marker 25	36"x36"		33.47120904	-88.85182166			9			
51	M1-5	Route Marker 25	36"x36"		33.43839193	-88.85407338			9			
52	W8-13	Bridge Ices Before Road	48"x48"		33.44261027	-88.853882		16				
53	W1-8R	Chevron Alignment	30"x36"		33.4428973	-88.8521379			7.5			
54	W1-8R	Chevron Alignment	30"x36"	U-Post	33.44300418	-88.85491804			7.5	15		
55	W4-1R	Merge Right	48"x48"		33.44419593	-88.85407201		16				
56	W1-1R	Right Turn	36"x36"		33.451341	-88.85436309			9			
57	W4-1R	Merge Right	48"x48"		33.45933554	-88.85345053		16				
58	D9-2	Hospital Symbol	24"x24"		33.4607906	-88.85153111	4					
59	W1-2R	Right Curve	36"x36"		33.377803	-88.86625			9			
60	W13-2	Exit 45 M.P.H.	36"x48"		33.44652605	-88.85417551			12			
61	D9-2	Hospital Symbol	24"x24"		33.45580965	-88.85335086	4					
62	R5-1	Do Not Enter	30"x30"		33.45216387	-88.85404841			9			
63	W13-2	Exit 30 M.P.H.	36"x48"		33.4912639	-88.84987739			12			
64	W13-2	Exit 45 M.P.H.	36"x48"		33.45679356	-88.85308889			12			
65	W13-2	Exit 45 M.P.H.	36"x48"		33.46821081	-88.85262613			12			
66	RS-068	Hiking Trail	24"x24"		33.35408465	-88.87677104	4					
67	M6-1	Left or Right Arrow (Brown)	21"x15"		33.35408465	-88.87677104	2.19					
68	XX	Keaton Tower Rd →	120"x36"	U-Post	33.30651	-88.90812922				30		30
69	XX	Abernathy Dr	60"x12"	U-Post	33.453554	-88.85394348						
<b>Total:</b>							<b>87.95</b>	<b>224</b>	<b>235.46</b>	<b>45</b>	<b>75</b>	<b>35</b>

MS 25 Oktibbeha County

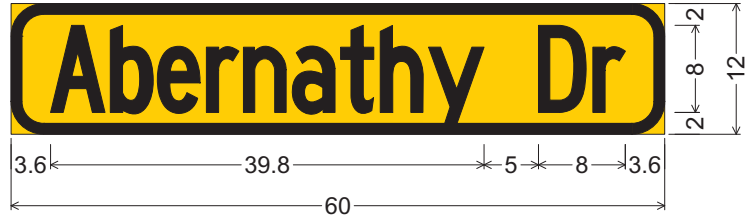
MS 25 Oktibbeha County



6.0" Radius, 1.5" Border, White on, Green;  
 "Keaton Tower Rd", E Mod 2K; Standard Arrow Custom 30.0" X 7.1" 0";  
 Table of letter and object lefts

K	e	a	t	e	n	T	o	w	e	r	R	d
6.8	14.4	21.5	29.1	35.1	43.0	56.3	63.4	70.4	80.2	88.0	100.0	107.9
→												
45.0												

Sign 68



3.0" Radius, 1.0" Border, Black on, Yellow;  
 "Abernathy", C 28% spacing; "Dr", C 28% spacing;  
 Table of letter and object lefts

A	b	e	r	n	a	t	h	y	D	r
3.6	9.1	13.4	17.9	21.3	25.8	30.2	33.9	38.3	48.4	53.4

Sign 69

Summary of Quantities

Pay Item No.	Pay Item	Unit	Qty	
618-A001	Maintenance Of Traffic	LS	1	
618-B001	Additional Construction Signs	SF	1	
620-A001	Mobilization	LS	1	
630-A001	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness	SF	160.68	①
630-A003	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness	SF	158.5	①
630-A005	Standard Roadside Signs, Sheet Aluminum, 0.1" Thickness	SF	423.84	①
630-B002	Interstate Directional Signs, Bolted Extruded Aluminum Panels, Ground Mounted	SF	27.5	①
630-C001	Square Tube Posts, 4.0 lb/ft	LF	75	②
630-C002	Square Tube Posts, 2.0 lb/ft	LF	30	③
907-630-PP002	Roadside Directional Signs, Sheet Aluminum, 0.125" Thickness, Ground Mounted	SF	59.25	①

- ① To include cost of removal of sign panels including hardware.
- ② To include cost of removal of existing post and footing. Also to include cost of Class "B" Concrete footing for replacment sign.
- ③ To include cost of removal of existing post and footing.

Notes:

1. Install and remove signs as shown, GPS locations are approximate and site conditions may warrant adjustment.
2. Unless directed by the engineer, all existing sign assemblies not shown in this scope of work are to remain in place.
3. Installation of new signs and sign assemblies shall not block visibility of any existing signs that are to remain. All field adjustments are to be approved by the Engineer.
4. Recommended minimum spacing between signs is 200'.
5. Where posts and footings require removal in concrete islands, are to be removed and replaced, any sawcuts and removal are to be absorbed in other items. Any concrete removed will be replaced and cost to be absorbed.
6. Signs and Posts that are removed are to become the property of the contractor.
7. Any voids created with removal of existing posts are to be backfilled with suitable granular material.

Winston, SR 15

MUTCD ID	Description	Size	Qty	0.080 Thick Unit Area (Sq Ft)	0.100 Thick Unit Area (Sq Ft)	.125 Thick Unit Area (Sq Ft)	630-A001 0.080 Thick Total Area (Sq Ft)	630-A003 .125 Thick Total Area (Sq Ft)	630-A005 0.100 Thick Total Area (Sq Ft)	630-B002 Directional Signs Extruded Aluminum Total Area (Sq Ft)	907-630-PP002 Directional Signs .125 Thick Total Area (Sq Ft)
D9-2	Hospital Symbol	24"x24"	2	4			8	0	0		
M1-5	Route Marker 15	24"x24"	1	4			4	0	0		
M1-5	Route Marker 395	30"x24"	1	5			5	0	0		
M1-5	Route Marker 490	30"x24"	1	5			5	0	0		
M2-1	JCT.	21"x15"	2	2.19			4.38	0	0		
M3-1	North	24"x12"	1	2			2	0	0		
OM-3L	Type 3 Object Marker	12"x36"	1	3			3	0	0		
OM-3R	Type 3 Object Marker	12"x36"	6	3			18	0	0		
R1-1	Stop	36"x36"	4		7.46		0	0	29.84		
R1-1	Stop	48"x48"	2			13.25	0	26.5	0		
R1-2	Yield	36"x36"x36"	2	3.9			7.8	0	0		
R1-4	All Way	30"x12"	7	2.5			17.5	0	0		
R2-1	Speed Limit 25	24"x30"	2	5			10	0	0		
R2-1	Speed Limit 35	24"x30"	2	5			10	0	0		
R2-1	Speed Limit 45	24"x30"	3	5			15	0	0		
R2-1	Speed Limit 55	24"x30"	3	5			15	0	0		
R3-7	Right Ln Must Turn Rt	36"x36"	2		9		0	0	18		
R4-7	Keep Right	36"x48"	1		12		0	0	12		
R5-1	Do Not Enter	36"x36"	2		9		0	0	18		
R5-2	No Trucks	24"x24"	2	4			8	0	0		
R6-1L	One Way Left	36"x12"	2	3			6	0	0		
R6-1R	One Way Right	36"x12"	1	3			3	0	0		
W1-1R	Right Turn	36"x36"	1		9		0	0	9		
W1-2R	Right Curve	36"x36"	1		9		0	0	9		
W13-1	Advisory Speed (45 MPH)	24"x24"	1	4			4	0	0		
W13-2	Exit Speed 30 MPH	36"x48"	2		12		0	0	24		
W13-2	Exit Speed 30 MPH	48"x60"	1		12	20	0	20	0		
W13-2	Exit Speed 40 MPH	36"x48"	1		12		0	0	12		
W14-1	Dead End	36"x36"	1		9		0	0	9		
W1-4R	Right Reverse Curve	36"x36"	1		9		0	0	9		
W1-6	One Direction Large Arrow	48"x24"	1		8		0	0	8		
W1-7	Two Direction Large Arrow	60"x30"	2		12.5		0	0	25		

Winston, SR 15

MUTCD ID	Description	Size	Qty	0.080 Thick Unit Area (Sq Ft)	0.100 Thick Unit Area (Sq Ft)	.125 Thick Unit Area (Sq Ft)	630-A001 0.080 Thick Total Area (Sq Ft)	630-A003 .125 Thick Total Area (Sq Ft)	630-A005 0.100 Thick Total Area (Sq Ft)	630-B002 Directional Signs Extruded Aluminum Total Area (Sq Ft)	907-630-PP002 Directional Signs .125 Thick Total Area (Sq Ft)
W1-7	Two Direction Large Arrow	48"x24"	2		8		0	0	16		
W2-1	Crossroad	36"x36"	1		9		0	0	9		
W2-1	Crossroad	48"x48"	1			16	0	16	0		
W2-2	Side Road	36"x36"	7		9		0	0	63		
W3-1	Stop Ahead	36"x36"	5		9		0	0	45		
W3-1	Stop Ahead	48"x48"	3			16	0	48	0		
W3-5	Speed Reduction (45 MPH)	36"x36"	2		9		0	0	18		
W3-5	Speed Reduction (55 MPH)	36"x36"	3		9		0	0	27		
W6-2	Divided Highway (Ends)	48"x48"	1			16	0	16	0		
W8-13	Bridge Ices Before Road	36"x36"	6		9		0	0	54		
W8-13	Bridge Ices Before Road	48"x48"	2			16	0	32	0		
XX	250 Fine-Trashing Hwy	24"x18"	1	3			3	0	0		
XX	Begin State Maintnce	24"x18"	2	3			6	0	0		
XX	End State Maintnce	24"x18"	2	3			6	0	0		
XX	Trucks Turning	36"x36"	1		9		0	0	9		
XX	Roadside Directional Signs		8							27.5	59.25
<b>Total:</b>							<b>160.68</b>	<b>158.5</b>	<b>423.84</b>	<b>27.5</b>	<b>59.25</b>

Winston, SR 15

Sign No.	MUTCD ID	Description	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 0.080 Thick Unit Area (Sq Ft)	630-A003 .125 Thick Unit Area (Sq Ft)	630-A005 0.100 Thick Unit Area (Sq Ft)	630-B002 Extruded Aluminum Sign Unit Area (Sq Ft)	630-C001 4 lb/ft Post Unit Length (Ft)	630-C002 2 lb/ft Post Unit Length (Ft)	907-630-PP002 Roadside Directional Sign .125 Thick Unit Area (Sq Ft)
1	R6-1R	One Way Right	36"x12"		33.10538341	-89.07430294	3						
2	R6-1L	One Way Left	36"x12"		33.10565723	-89.07433711	3						
3	R1-1	Stop	36"x36"		33.19757602	-89.12884371		7.46					
4	R2-1	Speed Limit 55	24"x30"		33.16774522	-89.10416185	5						
5	W3-1	Stop Ahead	36"x36"		33.17523016	-89.11588365		9					
6	R1-1	Stop	48"x48"		33.11620619	-89.08288764		13.25					
7	W3-1	Stop Ahead	48"x48"		33.12064946	-89.08515983		16					
8	R5-1	Do Not Enter	36"x36"		33.14540676	-89.08672013		9					
9	R6-1L	One Way Left	36"x12"		33.11589255	-89.08316225	3						
10	W3-1	Stop Ahead	48"x48"		33.11505769	-89.08432802		16					
11	R1-2	Yield	36"x36"x36"		33.11553001	-89.08300346	3.9						
12	R1-1	Stop	48"x48"		33.12459789	-89.08620862		13.25					
13	R1-1	Stop	36"x36"		32.9924178	-89.06437929			7.46				
14	R2-1	Speed Limit 25	24"x30"		32.9935685	-89.06398436	5						
15	R2-1	Speed Limit 35	24"x30"		32.98628867	-89.06448083	5						
16	R2-1	Speed Limit 25	24"x30"		32.98826696	-89.06454755	5						
17	R1-1	Stop	36"x36"		32.99034146	-89.06423232		7.46					
18	R2-1	Speed Limit 35	24"x30"		33.00285757	-89.06360234	5						
19	R2-1	Speed Limit 45	24"x30"		33.00659952	-89.06314178	5						
20	R2-1	Speed Limit 55	24"x30"		33.01058916	-89.06290052	5						
21	R2-1	Speed Limit 45	24"x30"		33.01216077	-89.06240579	5						
22	OM-3R	Type 3 Object Marker	12"x36"		33.01458983	-89.06109226	3						
23	OM-3L	Type 3 Object Marker	12"x36"		33.01460053	-89.06109504	3						
24	OM-3R	Type 3 Object Marker	12"x36"		33.0203067	-89.05934323	3						
25	OM-3R	Type 3 Object Marker	12"x36"		32.94988334	-89.09462229	3						
26	OM-3R	Type 3 Object Marker	12"x36"		32.95017566	-89.09448078	3						
27	OM-3R	Type 3 Object Marker	12"x36"		32.95780992	-89.08607879	3						
28	R2-1	Speed Limit 55	24"x30"		32.97826137	-89.06654406	5						
29	W3-1	Stop Ahead	36"x36"		33.07254064	-89.06707254		9					
30	W3-1	Stop Ahead	36"x36"		33.08061099	-89.06420991		9					
31	W3-1	Stop Ahead	36"x36"		32.93642166	-89.09654468		9					
32	R1-2	Yield	36"x36"x36"		33.08904405	-89.06262384	3.9						
33	R5-1	Do Not Enter	36"x36"		33.08912981	-89.06293596			7.46				
34	R1-1	Stop	36"x36"		33.090044	-89.061643		16					
35	W3-1	Stop Ahead	48"x48"		33.09097055	-89.06177084	3						
36	OM-3R	Type 3 Object Marker	12"x36"		33.00288336	-89.06469659			9				
37	W3-1	Stop Ahead	36"x36"		32.97995618	-89.0654011	5						
38	R2-1	Speed Limit 45	24"x30"		33.16633826	-89.10135399			12				
39	R4-7	Keep Right	36"x48"		33.16429088	-89.09895639	3						
40	XX	End State Maintenance	24"x18"		33.16429088	-89.09895639	4						
41	R5-2	No Trucks	24"x24"		33.10721512	-89.07763202		16					
42	W8-13	Bridge Ices Before Road	48"x48"		33.16917143	-89.10702057			9				
43	W2-2	Side Road	36"x36"		33.17359889	-89.11308685			9				
44	W2-2	Side Road	36"x36"		33.17658331	-89.11518167			9				
45	W2-2	Side Road	36"x36"		33.186397	-89.12046	3						
46	XX	250 Fine-Trashing Hwy	24"x18"		33.18787373	-89.12118876			9				
47	W2-2	Side Road	36"x36"		33.19582329	-89.12649128			9				
48	W2-1	Crossroad	36"x36"		33.14831306	-89.08631775							
49	W8-13	Bridge Ices Before Road	48"x48"		33.11546001	-89.08365104		16					
50	XX	End State Maintenance	24"x18"		33.11546713	-89.0836369	3						
51	XX	Begin State Maintenance	24"x18"				3						



Sign No.	MUTCD ID	Description	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 0.080 Thick Unit Area (Sq Ft)	630-A003 .125 Thick Unit Area (Sq Ft)	630-A005 0.100 Thick Unit Area (Sq Ft)	630-B002 Extruded Aluminum Sign Unit Area (Sq Ft)	630-C001 4 lb/ft Post Unit Length (Ft)	630-C002 2 lb/ft Post Unit Length (Ft)	907-630-PP002 Roadside Directional Sign .125 Thick Unit Area (Sq Ft)
52	W2-1	Crossroad	48"x48"		33.11409423	-89.081151073		16					
53	W13-1	Advisory Speed (45 MPH)	24"x24"		33.11409423	-89.081151073	4						
54	W8-13	Bridge Ices Before Road	36"x36"		33.01247632	-89.06230165			9				
55	W3-5	Speed Reduction (45 MPH)	36"x36"		33.01320512	-89.06200399			9			15	
56	M3-1	North	24"x12"		32.94170858	-89.09692145	2						
57	M1-5	Route Marker 15	24"x24"		32.94170858	-89.09692145	4						
58	W1-7	Two Direction Large Arrow	48"x24"		32.94625519	-89.09632034			8				
59	W8-13	Bridge Ices Before Road	36"x36"		32.96376011	-89.07845053	4		9				
60	R5-2	No Trucks	24"x24"		32.97732604	-89.06882766							
61	W14-1	Dead End	36"x36"		32.97732604	-89.06882766			9				
62	W2-2	Side Road	36"x36"		32.98003915	-89.06549498			9				
63	W8-13	Bridge Ices Before Road	36"x36"		33.02372838	-89.05872279			9				
64	W2-2	Side Road	36"x36"		33.03908481	-89.06124954			9				
65	W8-13	Bridge Ices Before Road	36"x36"		33.06315744	-89.06463103			9				
66	W1-2R	Right Curve	36"x36"		33.06262354	-89.0643102			9				
67	W1-7	Two Direction Large Arrow	48"x24"		33.06856674	-89.06534544			8				
68	W2-2	Side Road	36"x36"		33.07234838	-89.06514832			9				
69	W6-2	Divided Highway (Ends)	48"x48"		33.10014264	-89.07089747		16					
70	W1-6	One Direction Large Arrow	48"x24"		33.08932472	-89.06237915			8				
71	XX	Begin State Maintnce	24"x18"		33.09095314	-89.06178136	3						
72	W3-5	Speed Reduction (45 MPH)	36"x36"	U-Post	32.97502924	-89.06865042			9			15	
73	W8-13	Bridge Ices Before Road	36"x36"		32.9330147	-89.09409757			9				
74	W8-13	Bridge Ices Before Road	36"x36"		32.93683075	-89.09594419			9				
75	D9-2	Hospital Symbol	24"x24"		33.12356464	-89.08581655	4						
76	D9-2	Hospital Symbol	24"x24"		33.12356464	-89.08581655	4						
77	W1-1R	Right Turn	36"x36"		33.10644241	-89.07493567			9				
78	W1-4R	Right Reverse Curve	36"x36"		33.09891281	-89.07019046			9				
79	XX	Trucks Turning	36"x36"		33.07661897	-89.06426306			9				
80	W13-2	Exit Speed 30 MPH	36"x48"		33.1605528	-89.09075428			12				
81	W13-2	Exit Speed 30 MPH	48"x60"	Round Pipe	33.15447281	-89.08593536		20					
82	W3-5	Speed Reduction (55 MPH)	36"x36"		33.10589017	-89.0750654			9				
83	W3-5	Speed Reduction (55 MPH)	36"x36"		33.16446145	-89.09710281			9				
84	W3-5	Speed Reduction (55 MPH)	36"x36"		33.1644864	-89.09707872			9				
85	R1-4	All Way	30"x12"		32.99232306	-89.06414295	2.5						
86	R1-4	All Way	30"x12"		32.99256664	-89.06424864	2.5						
87	R1-4	All Way	30"x12"		33.12435442	-89.08586839	2.5						
88	R1-4	All Way	30"x12"		33.12465841	-89.08612902	2.5						
89	R1-4	All Way	30"x12"		33.12459789	-89.08620862	2.5						
90	R1-4	All Way	30"x12"		33.12434545	-89.08588219	2.5						
91	R1-4	All Way	30"x12"		33.12455035	-89.08629643	2.5						
92	W13-2	Exit Speed 30 MPH	36"x48"		33.15811157	-89.08739104			12				
93	W13-2	Exit Speed 40 MPH	36"x48"		33.10721101	-89.07727223			12				
94	W1-7	Left-Right Arrow	60"x30"		32.9993615	-89.06364698			12.5				
95	R3-7	Right Ln Must Turn Rt	36"x36"		33.11399323	-89.08157971			9				
96	R3-7	Right Ln Must Turn Rt	36"x36"		33.11526487	-89.08227368			9				
97	W1-7	Left-Right Arrow	60"x30"		33.19771345	-89.12908521			12.5				
98	M2-1	JCT.	21"x15"		32.99011803	-89.06418837	2.19						
99	M2-1	JCT.	21"x15"		32.99011803	-89.06418837	2.19						
100	M1-5	Route Marker 395	30"x24"	Round Pipe	32.99011803	-89.06418837	5				15		
101	M1-5	Route Marker 490	30"x24"		32.99011803	-89.06418837	5						

Winston, SR 15

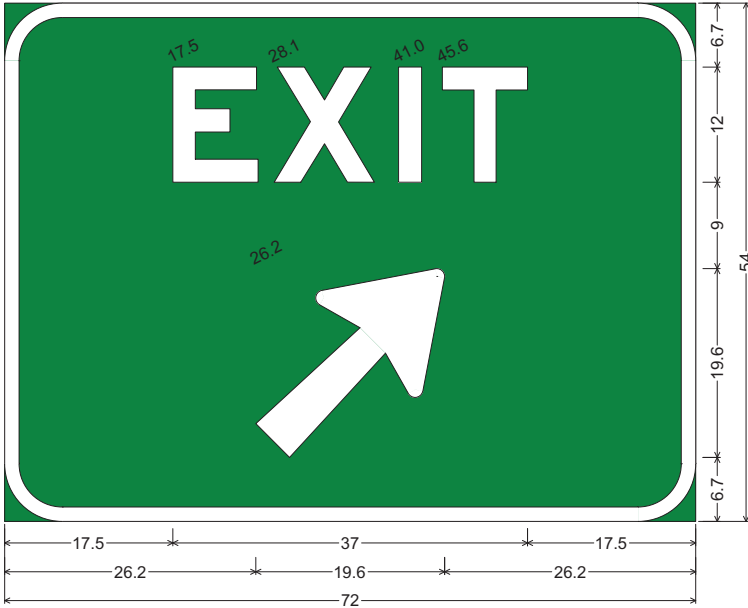
Sign No.	MUTCD ID	Description	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 0.080 Thick Unit Area (Sq Ft)	630-A003 .125 Thick Unit Area (Sq Ft)	630-A005 0.100 Thick Unit Area (Sq Ft)	630-B002 Extruded Aluminum Sign Unit Area (Sq Ft)	630-C001 4 lb/Ft Post Unit Length (Ft)	630-C002 2 lb/Ft Post Unit Length (Ft)	907-630-PP002 Roadside Directional Sign .125 Thick Unit Area (Sq Ft)
102	XX	EXIT ↖	72"x54"		33.15518093	-89.08615874				27.5			
103	XX	Choctaw County	42"x24"		33.19764883	-89.12861552							7
104	XX	Louisville 9 North	54"x18"		33.00283246	-89.06367235							6.75
105	XX	Louisville →	42x36"		33.1652828	-89.09954314					15		10.5
106	XX	Philadelphia 18 Newton 51	66"x24"		32.98758903	-89.06459458					15		11
107	XX	South Louisville →	48"x36"		33.0882839	-89.06263324							12
108-1	XX	Winston County	36"x24"		33.197565	-89.128833					15		6
108-2	XX	Winston County	36"x24"		32.93163363	-89.09368257					15		6
<b>Total:</b>							<b>160.68</b>	<b>158.5</b>	<b>423.84</b>	<b>27.5</b>	<b>75</b>	<b>30</b>	<b>59.25</b>



**Winston Co.  
SIGN REPLACEMENT**

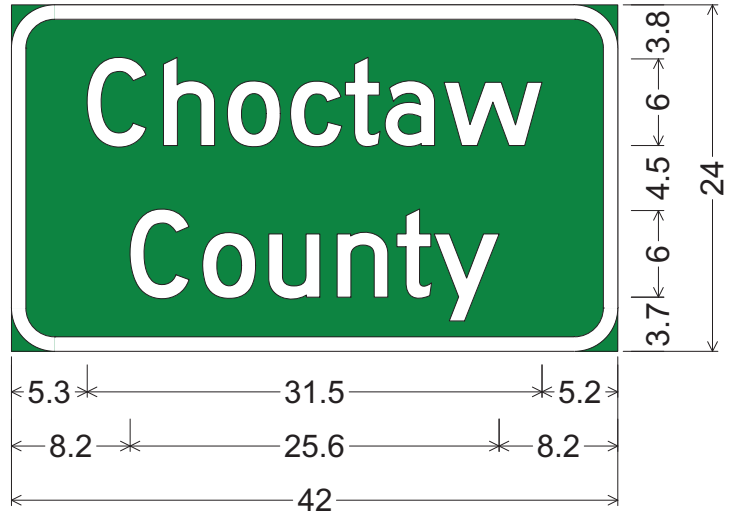
Route	Sign Code	Size	Description	Latitude	Longitude	.08 Thick Unit Area (Sq Ft)
SR 15	M2-1	21"x15"	JCT.	32.99011803	-89.06419	2.19
SR 15	M2-1	21"x15"	JCT.	32.99011803	-89.06419	2.19
SR 15	M1-5	30"x24"	Route Marker 395	32.99011803	-89.06419	5
SR 15	M1-5	30"x24"	Route Marker 490	32.99011803	-89.06419	5

MS 15 Winston County



6.0" Radius, 1.5" Border, White on, Green;  
"EXIT", E Mod 2K; Arrow 80 - 25.0" 45";

Sign 102

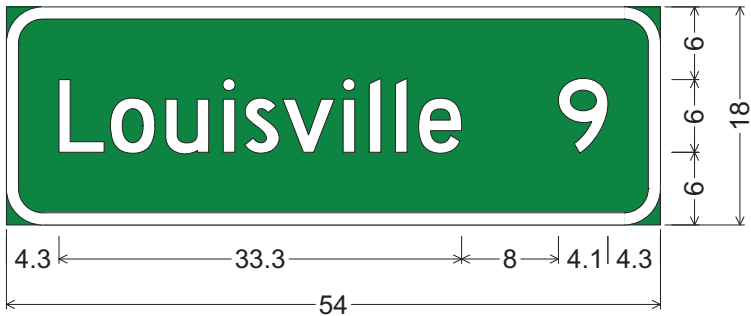


3.0" Radius, 1.0" Border, White on, Green;  
"Choctaw", D 2K; "County", D 2K;  
Table of letter and object lefts

<b>C</b>	<b>h</b>	<b>o</b>	<b>c</b>	<b>t</b>	<b>a</b>	<b>w</b>
5.3	10.5	15.0	19.3	23.1	25.9	30.0
<b>C</b>	<b>o</b>	<b>u</b>	<b>n</b>	<b>t</b>	<b>y</b>	
8.2	13.3	17.8	22.6	26.7	29.3	

Sign 103

MS 15 Winston County



3.0" Radius, 1.0" Border, White on, Green;  
"Louisville", D 2K; "9", D 2K;  
Table of letter and object lefts

<b>L</b>	<b>o</b>	<b>u</b>	<b>i</b>	<b>s</b>	<b>v</b>	<b>i</b>	<b>l</b>	<b>l</b>	<b>e</b>
4.3	8.6	13.2	17.9	19.7	22.8	27.8	30.0	32.1	34.0
<b>9</b>									
45.6									

Sign 104

MS 15 Winston County

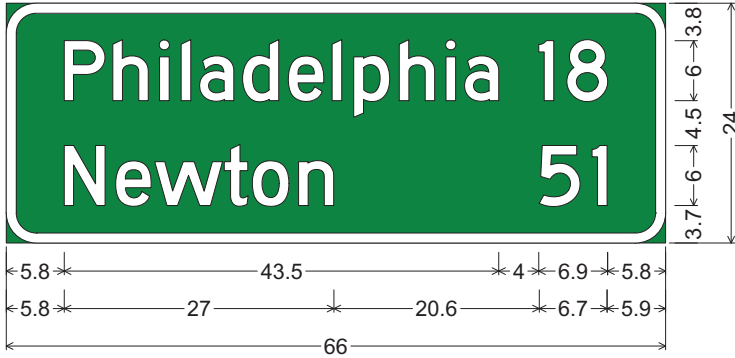


6.0" Radius, 1.0" Border, White on, Green;  
"North", D 2K; "Louisville", D 2K;  
Standard Arrow Custom 16.0" X 5.4" 0";  
Table of letter and object lefts

<b>N</b>	<b>o</b>	<b>r</b>	<b>t</b>	<b>h</b>					
11.6	16.7	21.4	23.8	26.9					
<b>L</b>	<b>o</b>	<b>u</b>	<b>i</b>	<b>s</b>	<b>v</b>	<b>i</b>	<b>l</b>	<b>l</b>	<b>e</b>
4.4	8.6	13.2	17.9	19.7	22.9	27.8	30.0	32.2	34.1
<b>→</b>									
13.0									

Sign 105

MS 15 Winston County



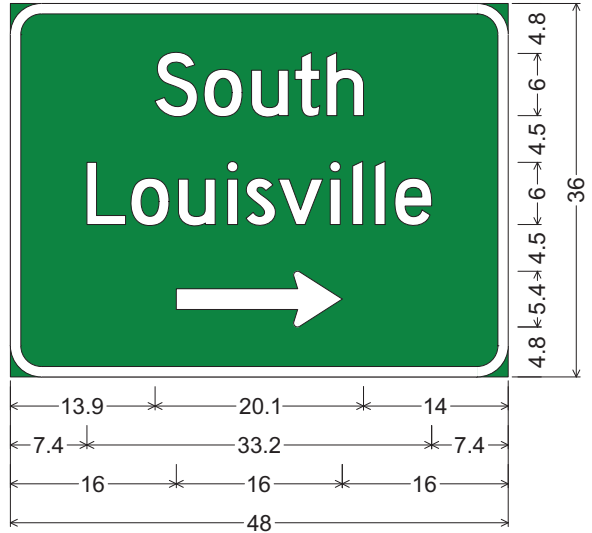
3.0" Radius, 1.0" Border, White on, Green;  
 "Philadelphia", D 2K; "18", D 2K; "Newton", D 2K;  
 "51", D 2K;

Table of letter and object lefts

P	h	i	l	a	d	e	l	p	h	i	a
5.8	10.7	15.3	17.5	19.4	23.7	28.2	32.6	34.8	39.3	44.0	45.9

1	8						
53.3	56.1						
N	e	w	t	o	n	5	1
5.8	11.0	14.9	21.8	24.6	29.3	53.4	58.6

Sign 106



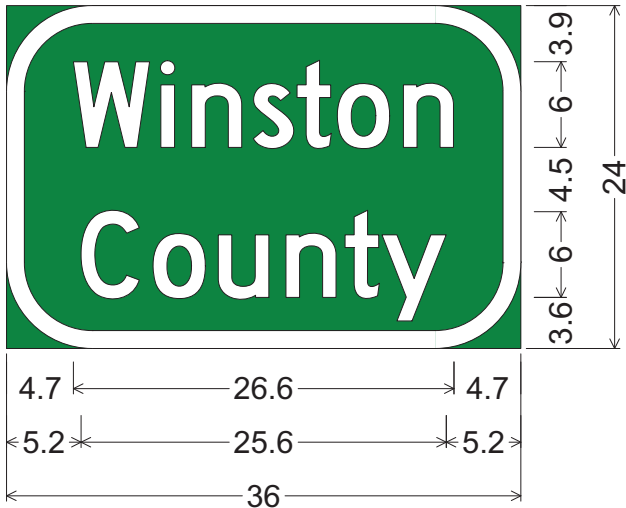
3.0" Radius, 1.0" Border, White on, Green;  
 "South", D 2K; "Louisville", D 2K;  
 Standard Arrow Custom 16.0" X 5.4" 0";

Table of letter and object lefts

S	o	u	t	h					
13.9	18.7	23.2	27.4	30.5					
L	o	u	i	s	v	i	l	l	e
7.4	11.6	16.2	20.9	22.7	25.9	30.8	33.0	35.2	37.1
→									
16.0									

Sign 107

MS 15 Winston County



6.0" Radius, 1.3" Border, White on, Green;  
 "Winston", D 2K;  
 "County", D 2K;

Table of letter and object lefts

W	i	n	s	t	o	n
4.7	10.8	13.0	17.3	20.3	23.2	27.8
C	o	u	n	t	y	
5.2	10.3	14.8	19.6	23.7	26.3	

Sign 108

Summary of Quantities

Pay Item No.	Pay Item	Unit	Qty	
618-A001	Maintenance Of Traffic	LS	1	
618-B001	Additional Construction Signs	SF	1	
620-A001	Mobilization	LS	1	
630-A001	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness	SF	121.94	①
630-A003	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness	SF	32	①
630-A005	Standard Roadside Signs, Sheet Aluminum, 0.1" Thickness	SF	493.24	①
630-B002	Interstate Directional Signs, Bolted Extruded Aluminum Panels, Ground Mounted	SF	0	①
630-C001	Square Tube Posts, 4.0 lb/ft	LF	150	②
630-C002	Square Tube Posts, 2.0 lb/ft	LF	105	③
907-630-PP002	Roadside Directional Signs, Sheet Aluminum, 0.125" Thickness, Ground Mounted	SF	111.6	①

- ① To include cost of removal of sign panels including hardware.
- ② To include cost of removal of existing post and footing. Also to include cost of Class "B" Concrete footing for replacment sign.
- ③ To include cost of removal of existing post and footing.

Notes:

1. Install and remove signs as shown, GPS locations are approximate and site conditions may warrant adjustment.
2. Unless directed by the engineer, all existing sign assemblies not shown in this scope of work are to remain in place.
3. Installation of new signs and sign assemblies shall not block visibility of any existing signs that are to remain. All field adjustments are to be approved by the Engineer.
4. Recommended minimum spacing between signs is 200'.
5. Where posts and footings require removal in concrete islands, are to be removed and replaced, any sawcuts and removal are to be absorbed in other items. Any concrete removed will be replaced and cost to be absorbed.
6. Signs and Posts that are removed are to become the property of the contractor.
7. Any voids created with removal of existing posts are to be backfilled with suitable granular material.

Choctaw, SR 15

MUTCD ID	Description	Size	Qty	0.080 Thick Unit Area (Sq Ft)	0.100 Thick Unit Area (Sq Ft)	.125 Thick Unit Area (Sq Ft)	630-A001 0.080 Thick Total Area (Sq Ft)	630-A003 .125 Thick Total Area (Sq Ft)	630-A005 0.100 Thick Total Area (Sq Ft)	630-B002 Extruded Aluminum Total Area (Sq Ft)	907-630-PP002 .125 Thick Total Area (Sq Ft)
M1-5	Route Marker 15	24"x24"	5	4			20	0	0		
M3-1	North	24"x12"	1	2			2	0	0		
M3-3	South	24"x12"	2	2			4	0	0		
OM-3L	Type 3 Object Marker	12"x36"	5	3			15	0	0		
OM-3R	Type 3 Object Marker	12"x36"	6	3			18	0	0		
R1-1	Stop	36"x36"	10		7.46		0	0	74.6		
R1-4	All Way	30"x12"	3	2.5			7.5	0	0		
R2-1	Speed Limit 45	24"x30"	4	5			20	0	0		
R2-1	Speed Limit 55	24"x30"	3	5			15	0	0		
R5-1	Do Not Enter	36"x36"	3		9		0	0	27		
R7-1	No Parking Any Time	12"x18"	5	1.5			7.5	0	0		
S1-1	School Advance	36"x36"	1	6.75			6.75	0	0		
S5-1 (MOD)	School Speed Limit 35 When Children Are Present	24"x48"	2		8		0	0	16		
W10-1	Hwy-Rail Grade Crossing Advance Warning	36"x36"	2		7.07		0	0	14.14		
W13-1	Advisory Speed (45 MPH)	24"x24"	1	4			4	0	0		
W1-4L	Left Reverse Curve	36"x36"	1		9		0	0	9		
W1-7	Left-Right Arrow	60"x30"	3		12.5		0	0	37.5		
W1-7	Two Direction Large Arrow	48"x24"	1		8		0	0	8		
W2-1	Crossroad	36"x36"	5		9		0	0	45		
W2-2	Side Road	36"x36"	6		9		0	0	54		
W2-7L	Side Road Offset Left To Right	36"x36"	1		9		0	0	9		
W3-1	Stop Ahead	36"x36"	10		9		0	0	90		
W3-1	Stop Ahead	48"x48"	2			16	0	32	0		
W8-13	Bridge Ices Before Road	36"x36"	7		9		0	0	63		
W8-5	Slippery When Wet	36"x36"	1		9		0	0	9		
XX	Church	36"x36"	1		9		0	0	9		
XX	Load 57,650 lbs	21"x15"	1	2.19			2.19	0	0		
XX	Trucks Turning	36"x36"	2		9		0	0	18		
XX	Watch For Long Logs	48"x30"	1		10		0	0	10		
XX	Roadside Directional Signs		12				0		0	0	111.6
<b>Total:</b>							<b>121.94</b>	<b>32</b>	<b>493.24</b>	<b>0</b>	<b>111.6</b>

Choctaw, SR 15

Sign No.	MUTCD ID	Description	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 0.080 Thick Unit Area (Sq Ft)	630-A003 .125 Thick Unit Area (Sq Ft)	630-A005 0.100 Thick Unit Area (Sq Ft)	630-B002 Extruded Aluminum Sign Unit Area (Sq Ft)	630-C001 4 lb/ft Post Unit Length (ft)	630-C002 2 lb/ft Post Unit Length (ft)	907-630-PP002 Roadside Directional Sign .125 Thick Unit Area (Sq Ft)
1	R1-1	Stop	36"x36"		33.30382365	-89.17611536			7.46				
2	R2-1	Speed Limit 45	24"x30"		33.3022187	-89.17562925	5						
3	W3-1	Stop Ahead	48"x48"		33.30975143	-89.1764988		16					
4	W3-1	Stop Ahead	48"x48"		33.30973674	-89.17651344		16					
5	R1-1	Stop	36"x36"		33.31026122	-89.17680263			7.46				
6	OM-3R	Type 3 Object Marker	12"x36"		33.31037865	-89.17657523	3						
7	OM-3R	Type 3 Object Marker	12"x36"		33.31048587	-89.17677859	3						
8	OM-3R	Type 3 Object Marker	12"x36"		33.31135366	-89.17664207	3						
9	OM-3L	Type 3 Object Marker	12"x36"		33.31140896	-89.17683505	3						
10	R1-1	Stop	36"x36"		33.31266789	-89.17672935			7.46				
11	R2-1	Speed Limit 45	24"x30"		33.31280639	-89.17691916	5						
12	R1-1	Stop	36"x36"	U-Post	33.31849286	-89.17740645	5		7.46		15		
13	R2-1	Speed Limit 55	24"x30"		33.19930999	-89.13073289	5						
14	R1-1	Stop	36"x36"		33.24095945	-89.1573262			7.46				
15	R2-1	Speed Limit 55	24"x30"		33.29050371	-89.1711704	5					15	
16	W3-1	Stop Ahead	36"x36"	U-Post	33.29462245	-89.17483255			7.46				
17	R1-1	Stop	36"x36"		33.29540903	-89.17362448							
18	W3-1	Stop Ahead	36"x36"	U-Post	33.20463631	-89.1389791			9				
19	W3-1	Stop Ahead	36"x36"		33.21471484	-89.14736016			9				
20	W3-1	Stop Ahead	36"x36"		33.24066706	-89.15886138			9				
21	W3-1	Stop Ahead	36"x36"		33.24134166	-89.15669505			9				
22	W3-1	Stop Ahead	36"x36"		33.24836272	-89.15839242			9				
23	W3-1	Stop Ahead	36"x36"		33.29429474	-89.17195524			9				
24	OM-3L	Type 3 Object Marker	12"x36"		33.30773241	-89.17652821	3						
25	OM-3L	Type 3 Object Marker	12"x36"		33.30773241	-89.17652821	3						
26	R2-1	Speed Limit 55	24"x30"		33.32365852	-89.1752506	5						
27	W3-1	Stop Ahead	36"x36"		33.48352164	-89.13462392			9				
28	R1-1	Stop	36"x36"		33.48734093	-89.13555554			7.46				
29	OM-3R	Type 3 Object Marker	12"x36"		33.44171924	-89.1516163	3						
30	W3-1	Stop Ahead	36"x36"		33.46015979	-89.14677962			9				
31	R1-1	Stop	36"x36"		33.46014542	-89.14472142			7.46				
32	R1-1	Stop	36"x36"		33.35716292	-89.17543252			7.46				
33	OM-3L	Type 3 Object Marker	12"x36"		33.3880096	-89.17072787	3						
34	OM-3R	Type 3 Object Marker	12"x36"		33.38801767	-89.17075021	3						
35	OM-3R	Type 3 Object Marker	12"x36"		33.38848933	-89.17091233	3						
36	OM-3L	Type 3 Object Marker	12"x36"		33.38841883	-89.17095978	3						
37	R1-1	Stop	36"x36"		33.398495	-89.16872			7.46				
38	W3-1	Stop Ahead	36"x36"		33.43092274	-89.15747681			9				
39	W1-4L	Left Reverse Curve	36"x36"		33.373427	-89.259378			9				
40	R2-1	Speed Limit 45	24"x30"		33.3022187	-89.17562925	5						
41	S5-1 (MOD)	School Speed Limit 35 When Children Are Present	24"x48"		33.30675743	-89.17655198			8				
42	S1-1	School Advance	36"x36"	U-Post	33.30794758	-89.17640265	6.75					15	
43	W10-1	Hwy-Rail Grade Crossing Advance Warning	36"x36"		33.3091254	-89.1764611			7.07				
44	S5-1 (MOD)	School Speed Limit 35 When Children Are Present	24"x48"		33.31037954	-89.17679618			8				
45	W10-1	Hwy-Rail Grade Crossing Advance Warning	36"x36"		33.31231333	-89.17694769			7.07				
46	R2-1	Speed Limit 45	24"x30"		33.31280639	-89.17691916	5						
47	R7-1	No Parking Any Time	12"x18"		33.31844933	-89.17738256	1.5						
48	R7-1	No Parking Any Time	12"x18"		33.31844933	-89.17738256	1.5						
49	R7-1	No Parking Any Time	12"x18"		33.31891848	-89.17737937	1.5						
50	R7-1	No Parking Any Time	12"x18"		33.31891848	-89.17737937	1.5						

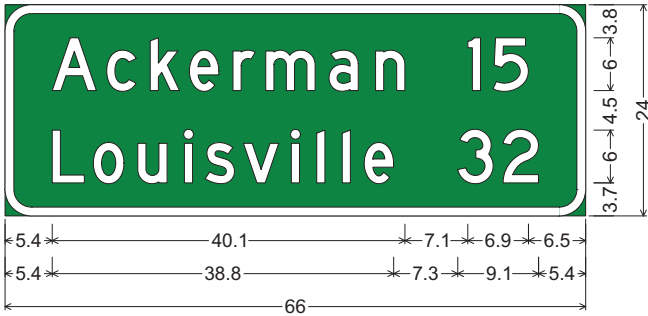


Choctaw, SR 15

Sign No.	MUTCD ID	Description	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 0.080 Thick Unit Area (Sq Ft)	630-A003 .125 Thick Unit Area (Sq Ft)	630-A005 0.100 Thick Unit Area (Sq Ft)	630-B002 Extruded Aluminum Sign Unit Area (Sq Ft)	630-C001 4 lb/ft Post Unit Length (Ft)	630-C002 2 lb/ft Post Unit Length (Ft)	907-630-PP002 Roadside Directional Sign .125 Thick Unit Area (Sq Ft)
51	R7-1	No Parking Any Time	12"x18"		33.31929062	-89.17719516	1.5						
52	M3-3	South	24"x12"		33.31992601	-89.17725153	2						
53	W2-7L	Side Road Offset Left To Right	36"x36"		33.23935045	-89.15715677	4		9				
54	M1-5	Route Marker 15	24"x24"		33.24004508	-89.15720605	4						
55	W1-7	Left-Right Arrow	60"x30"		33.24103313	-89.15710457	2		12.5				
56	M3-1	North	24"x12"		33.24176994	-89.15720466	4						
57	M1-5	Route Marker 15	24"x24"		33.29087596	-89.17120766	4		9				
58	XX	Trucks Turning	36"x36"		33.31992601	-89.17725153	4						
59	M1-5	Route Marker 15	24"x24"		33.3214952	-89.17754291	4						
60	M1-5	Route Marker 15	24"x24"		33.3214952	-89.17754291	4						
61	W2-1	Crossroad	36"x36"		33.48455445	-89.13596301	9		9				
62	W2-1	Crossroad	36"x36"		33.50227246	-89.13310987	9		9				
63	XX	Watch For Long Logs	48"x30"		33.51099389	-89.13205123	8		10			15	
64	W1-7	Two Direction Large Arrow	48"x24"		33.51367548	-89.13189881	4		8			15	
65	W2-2	Side Road	36"x36"		33.51504177	-89.13219835	9		9				
66	W8-13	Bridge Ices Before Road	36"x36"		33.52673801	-89.13154252	9		9				
67	W8-13	Bridge Ices Before Road	36"x36"		33.44425301	-89.15071552	9		9				
68	W2-1	Crossroad	36"x36"		33.45094311	-89.14793526	9		9				
69	W2-2	Side Road	36"x36"		33.45502326	-89.14642608	2		9				
70	M3-3	South	24"x12"	U-Post	33.45928411	-89.14492467	4						
71	M1-5	Route Marker 15	24"x24"	U-Post	33.45928411	-89.14492467	4						
72	W2-2	Side Road	36"x36"		33.3350527	-89.17961496	9		9				
73	W2-2	Side Road	36"x36"		33.35903935	-89.17418316	9		9				
74	W8-13	Bridge Ices Before Road	36"x36"		33.38661289	-89.17028338	9		9				
75	W2-1	Crossroad	36"x36"		33.38652456	-89.17027274	9		9				
76	W8-13	Bridge Ices Before Road	36"x36"		33.39015081	-89.17109862	9		9				
77	W2-1	Crossroad	36"x36"		33.39109827	-89.17116997	9		9				
78	XX	Load 57,650 lbs	21"x15"		33.39181674	-89.17084895	2.19						
79	W2-2	Side Road	36"x36"		33.3925887	-89.17044973	9		9				
80	XX	Church	36"x36"	U-Post	33.39640186	-89.16924569	9		9			15	
81	W2-2	Side Road	36"x36"		33.42370113	-89.15852604	9		9				
82	W8-5	Slippery When Wet	36"x36"		33.5063601	-89.13250604	4		9				
83	W13-1	Advisory Speed (45 MPH)	24"x24"		33.5063601	-89.13250604	4						
84	W1-7	Left-Right Arrow	60"x30"		33.51670143	-89.13196803			12.5				
85	W1-7	Left-Right Arrow	60"x30"		33.46013069	-89.14470692			12.5				
86	W8-13	Bridge Ices Before Road	36"x36"		33.5208426	-89.13197622			9				
87	W8-13	Bridge Ices Before Road	36"x36"		33.43904664	-89.15249873			9				
88	W8-13	Bridge Ices Before Road	36"x36"		33.44425301	-89.15071552			9				
89	R1-4	All Way	30"x12"		33.31111928	-89.17684172	2.5						
90	R1-4	All Way	30"x12"		33.31104519	-89.17656489	2.5						
91	R1-4	All Way	30"x12"		33.31110044	-89.1768525	2.5						
92	XX	Trucks Turning	36"x36"		33.5109389	-89.13205123			9				
93	R5-1	Do Not Enter	36"x36"		33.32078031	-89.1775265			9				
94	R5-1	Do Not Enter	36"x36"		33.32046312	-89.17759029			9				
95	R5-1	Do Not Enter	36"x36"		33.32085213	-89.17731377			9				
96	XX	Ackerman 18 Louisville 51	66"x24"	U-Post	33.52855616	-89.130824					30		11
97-1	XX	Ackerman Corp. Limit	48"x24"	U-Post	33.29991944	-89.17496632					15		8

Choctaw, SR 15

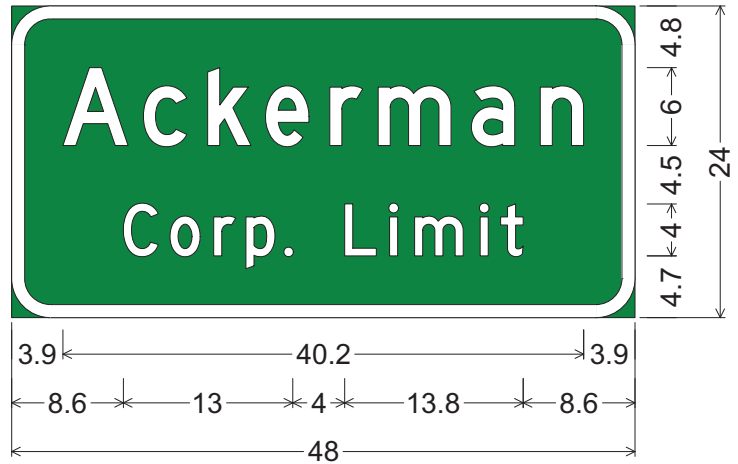
Sign No.	MUTCD ID	Description	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 0.080 Thick Unit Area (Sq Ft)	630-A003 .125 Thick Unit Area (Sq Ft)	630-A005 0.100 Thick Unit Area (Sq Ft)	630-B002 Extruded Aluminum Sign Unit Area (Sq Ft)	630-C001 4 lb/ft Post Unit Length (Ft)	630-C002 2 lb/ft Post Unit Length (Ft)	907-630-PP002 Roadside Directional Sign .125 Thick Unit Area (Sq Ft)
97-2	XX	Ackerman Corp. Limit	42"x24"		33.32192559	-89.17757559							8
98	XX	Ackerman ←	48"x24"	U-Post	33.31112349	-89.17686905					15		8
99	XX	Ackerman →	48"x24"	U-Post	33.31136454	-89.17665426					15		8
102	XX	Choctaw County	42"x24"		33.53291094	-89.12795781							7
103	XX	Choctaw Lake Wildlife Management →	96"x36"		33.2743424	-89.16261294							24
104-1	XX	Reform	36"x18"	U-Post	33.42370113	-89.15852604					15		4.5
104-2	XX	Reform	36"x18"	U-Post	33.43630242	-89.15362805					15		4.4
105	XX	SCHOOL TRAFFIC TURNING	49"x49"	U-Post	33.53089482	-89.12945806					15		16.7
106-1	XX	Sherwood	48"x18"	U-Post	33.481012	-89.136733					15		6
106-2	XX	Sherwood	48"x18"	U-Post	33.48763183	-89.13562127					15		6
<b>Total:</b>							<b>121.94</b>	<b>32</b>	<b>493.24</b>	<b>0</b>	<b>150</b>	<b>105</b>	<b>111.6</b>



3.0" Radius, 1.0" Border, White on, Green;  
"Ackerman", D; "15", D; "Louisville", D; "32", D;  
Table of letter and object lefts

<b>A</b>	<b>c</b>	<b>k</b>	<b>e</b>	<b>r</b>	<b>m</b>	<b>a</b>	<b>n</b>	<b>1</b>	<b>5</b>		
5.4	11.6	16.5	21.0	25.9	29.6	36.8	42.1	52.6	55.5		
<b>L</b>	<b>o</b>	<b>u</b>	<b>i</b>	<b>s</b>	<b>v</b>	<b>l</b>	<b>l</b>	<b>i</b>	<b>e</b>	<b>3</b>	<b>2</b>
5.4	10.0	15.1	20.4	22.8	27.1	32.5	35.4	38.3	40.8	51.5	56.6

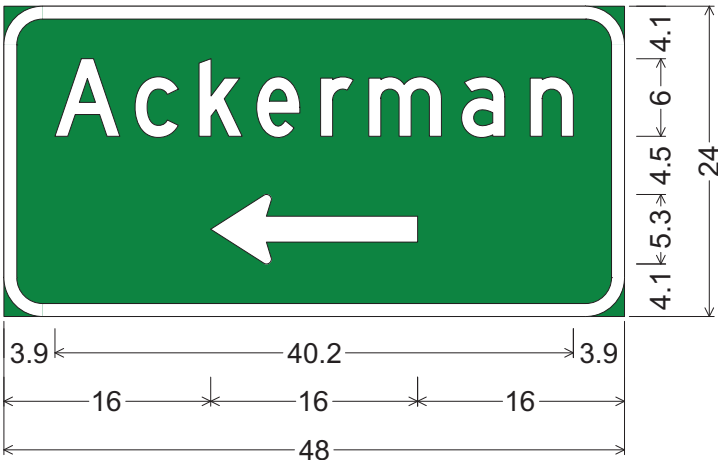
Sign 96



3.0" Radius, 1.0" Border, White on, Green;  
"Ackerman", D; "Corp. Limit", D;  
Table of letter and object lefts

<b>A</b>	<b>c</b>	<b>k</b>	<b>e</b>	<b>r</b>	<b>m</b>	<b>a</b>	<b>n</b>
3.9	10.2	15.1	19.6	24.5	28.2	35.4	40.7
<b>C</b>	<b>o</b>	<b>r</b>	<b>p</b>	<b>.</b>			
8.6	12.2	15.6	18.0	21.0			
<b>L</b>	<b>i</b>	<b>m</b>	<b>i</b>	<b>t</b>			
25.6	29.1	31.0	36.1	37.7			

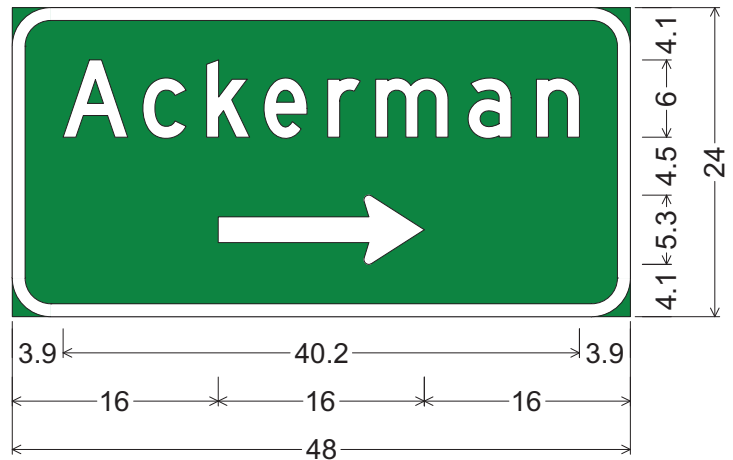
Sign 97



3.0" Radius, 1.0" Border, White on, Green;  
"Ackerman", D;  
Standard Arrow Custom 16.0" X 5.4" 180°;  
Table of letter and object lefts

<b>A</b>	<b>c</b>	<b>k</b>	<b>e</b>	<b>r</b>	<b>m</b>	<b>a</b>	<b>n</b>
3.9	10.2	15.1	19.6	24.5	28.2	35.4	40.7
<b>←</b>							
16.0							

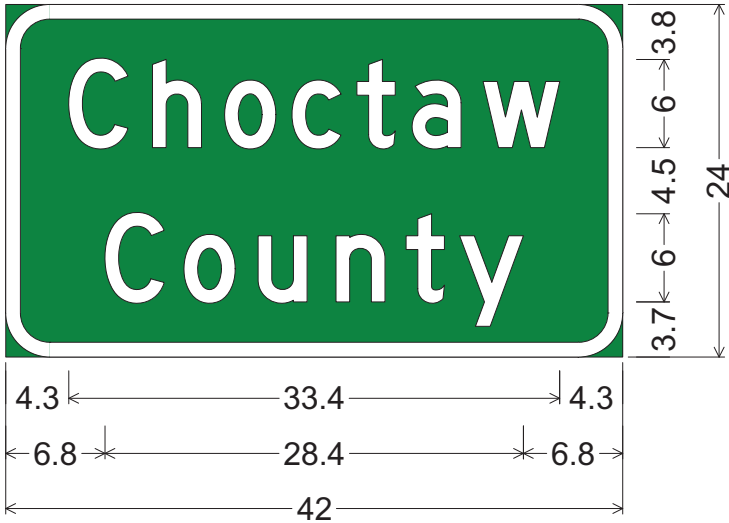
Sign 98



3.0" Radius, 1.0" Border, White on, Green;  
"Ackerman", D;  
Standard Arrow Custom 16.0" X 5.4" 0°;  
Table of letter and object lefts

<b>A</b>	<b>c</b>	<b>k</b>	<b>e</b>	<b>r</b>	<b>m</b>	<b>a</b>	<b>n</b>
3.9	10.2	15.1	19.6	24.5	28.2	35.4	40.7
<b>→</b>							
16.0							

Sign 99

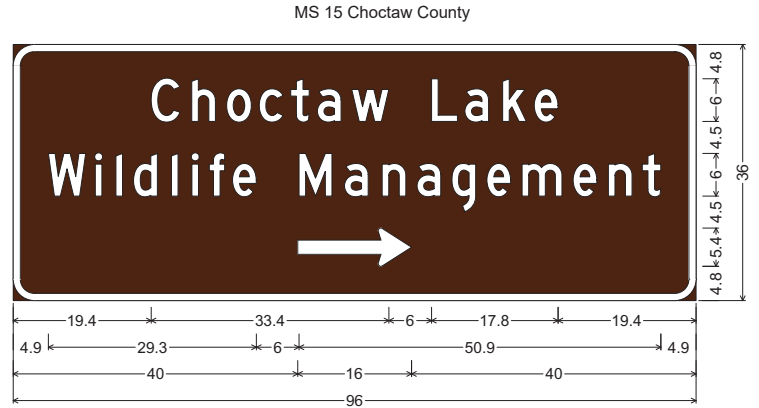


3.0" Radius, 1.0" Border, White on, Green;  
 "Choctaw", D; "County", D;  
 Table of letter and object lefts

C	h	o	c	t	a	w
4.3	10.0	14.9	19.5	23.9	27.7	32.5

C	o	u	n	t	y
6.8	12.1	17.2	22.5	27.3	30.9

Sign 100



3.0" Radius, 1.0" Border, White on, Brown;  
 "Choctaw Lake", D; "Wildlife Management", D; Standard Arrow Custom 16.0" X 5.4" 0';  
 Table of letter and object lefts

C	h	o	c	t	a	w	L	a	k	e
19.4	25.1	30.0	34.6	39.0	42.8	47.6	58.8	63.5	68.8	73.3

W	i	d	i	w	i	t	e
4.9	11.5	14.4	16.9	22.2	25.1	27.6	30.8

M	a	n	a	g	e	m	e	n	t
40.2	46.6	51.9	56.8	61.7	66.6	71.5	78.7	83.7	88.4

→
40.0

Sign 101

MS 15 Choctaw County

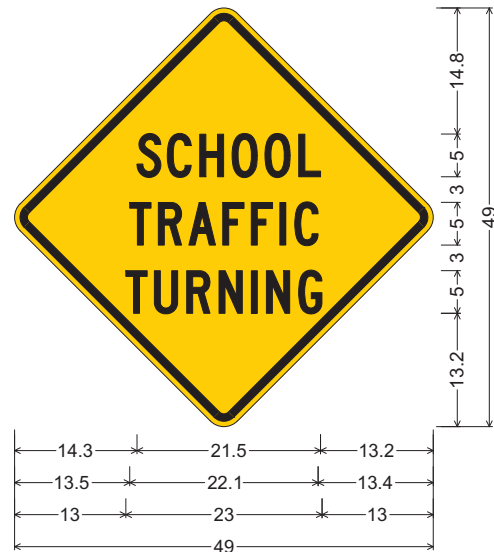


3.0" Radius, 1.0" Border, White on, Green;  
 "Reform", D;  
 Table of letter and object lefts

R	e	f	o	r	m
4.3	9.6	14.1	17.3	22.4	26.1

Sign 102

MS 15 Choctaw County



W8-16\_36x36;  
 36.0" across sides 2.3" Radius, 0.9" Border, 0.6" Indent, Black on, Yellow;  
 "SCHOOL", C 2K; "TRAFFIC", C;  
 "TURNING", C;

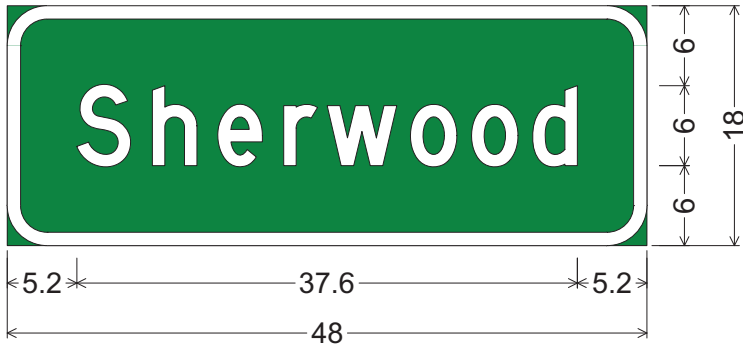
S	C	H	O	O	L
14.3	17.9	21.7	25.5	29.3	33.3

T	R	A	F	F	I	C
13.5	16.8	20.4	24.4	27.7	31.1	32.8

T	U	R	N	I	N	G
13.0	16.4	20.2	24.0	27.7	29.5	33.3

Sign 103

MS 15 Choctaw County



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

Table of letter and object lefts

<b>S</b>	<b>h</b>	<b>e</b>	<b>r</b>	<b>w</b>	<b>o</b>	<b>o</b>	<b>d</b>
5.2	10.9	15.8	20.7	24.0	30.3	34.8	39.4

Sign 104

Summary of Quantities

Pay Item No.	Pay Item	Unit	Qty	
618-A001	Maintenance Of Traffic	LS	1	
618-B001	Additional Construction Signs	SF	1	
620-A001	Mobilization	LS	1	
630-A001	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness	SF	33.5	①
630-A003	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness	SF	0	①
630-A005	Standard Roadside Signs, Sheet Aluminum, 0.1" Thickness	SF	23.92	①
630-C001	Square Tube Posts, 4.0 lb/ft	LF	0	②
630-C002	Square Tube Posts, 2.0 lb/ft	LF	15	③

- ① To include cost of removal of sign panels including hardware.
- ② To include cost of removal of existing post and footing. Also to include cost of Class "B" Concrete footing for replacment sign.
- ③ To include cost of removal of existing post and footing.

Notes:

1. Install and remove signs as shown, GPS locations are approximate and site conditions may warrant adjustment.
2. Unless directed by the engineer, all existing sign assemblies not shown in this scope of work are to remain in place.
3. Installation of new signs and sign assemblies shall not block visibility of any existing signs that are to remain. All field adjustments are to be approved by the Engineer.
4. Recommended minimum spacing between signs is 200'.
5. Where posts and footings require removal in concrete islands, are to be removed and replaced, any sawcuts and removal are to be absorbed in other items. Any concrete removed will be replaced and cost to be absorbed.
6. Signs and Posts that are removed are to become the property of the contractor.
7. Any voids created with removal of existing posts are to be backfilled with suitable granular material.

Oktibeha, SR 15

MUTCD ID	Description	Size	Qty	0.080 Thick Unit Area (Sq Ft)	0.100 Thick Unit Area (Sq Ft)	.125 Thick Unit Area (Sq Ft)	630-A001 0.080 Thick Total Area (Sq Ft)	630-A003 .125 Thick Total Area (Sq Ft)	630-A005 0.100 Thick Total Area (Sq Ft)	630-B002 Directinal Sign Extruded Aluminum Total Area (Sq Ft)	907-630-PP002 Directional Sign .125 Thick Total Area (Sq Ft)
M1-5	Route Marker 15	24"x24"	1	4			4	0	0		
R1-1	Stop	36"x36"	2		7.46		0	0	14.92		
R1-4	All Way	30"x12"	5	2.5			12.5	0	0		
R2-1	Speed Limit 35	24"x30"	1	5			5	0	0		
R7-1	No Parking Any Time	12"x18"	8	1.5			12	0	0		
XX	Plant Entrance	36"x36"	1		9		0	0	9		
<b>Total:</b>							<b>33.5</b>	<b>0</b>	<b>23.92</b>	<b>0</b>	<b>0</b>

Oktibbeha, SR 15

Sign No.	MUTCD ID	Stock No.	Description	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 0.080 Thick Unit Area (Sq Ft)	630-A003 .125 Thick Unit Area (Sq Ft)	630-A005 0.100 Thick Unit Area (Sq Ft)	630-B002 Extruded Aluminum Sign Unit Area (Sq Ft)	630-C002 4 lb/ft Post Unit Length (Ft)	630-C001 2 lb/ft Post Unit Length (Ft)	907-630-PP002 Roadside Directional Sign .125 Thick Unit Area (Sq Ft)
1	R1-1	-8676	Stop	36"x36"		33.5541098	-89.08693722			7.46				
2	R2-1	-8636	Speed Limit 35	24"x30"		33.55840174	-89.0804543	5						
3	R1-1	-8675	Stop	36"x36"	U-Post	33.55875872	-89.0803655			7.46		15		
4	R7-1	-8159	No Parking Any Time	12"x18"		33.5551246	-89.08531554	1.5						
5	R7-1	-8159	No Parking Any Time	12"x18"		33.55516166	-89.08500451	1.5						
6	R7-1	-8159	No Parking Any Time	12"x18"		33.55516166	-89.08500451	1.5						
7	M1-5	-8018	Route Marker 15	24"x24"		33.55536026	-89.08493771	4						
8	R7-1	-8159	No Parking Any Time	12"x18"		33.55536026	-89.08493771	1.5						
9	R7-1	-8159	No Parking Any Time	12"x18"		33.55572199	-89.08438575	1.5						
10	R7-1	-8159	No Parking Any Time	12"x18"		33.55572199	-89.08438575	1.5						
11	R7-1	-8159	No Parking Any Time	12"x18"		33.55559431	-89.08433425	1.5						
12	R7-1	-8159	No Parking Any Time	12"x18"		33.55559431	-89.08433425	1.5						
13	XX	-8303	Plant Entrance	36"x36"		33.56102833	-89.0786932			9				
14	R1-4	-9002	All Way	30"x12"		33.55525337	-89.08485886	2.5						
15	R1-4	-9002	All Way	30"x12"		33.55542145	-89.08494807	2.5						
16	R1-4	-9002	All Way	30"x12"		33.55548944	-89.0848132	2.5						
17	R1-4	-9002	All Way	30"x12"		33.55551555	-89.08472183	2.5						
18	R1-4	-9002	All Way	30"x12"		33.5552318	-89.08488722	2.5						
<b>Total:</b>								<b>33.5</b>	<b>0</b>	<b>23.92</b>	<b>0</b>	<b>15</b>	<b>0</b>	



Summary of Quantities

Pay Item No.	Pay Item	Unit	Qty	
618-A001	Maintenance Of Traffic	LS	1	
618-B001	Additional Construction Signs	SF	1	
620-A001	Mobilization	LS	1	
630-A001	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness	SF	92	①
630-A003	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness	SF	52	①
630-A005	Standard Roadside Signs, Sheet Aluminum, 0.1" Thickness	SF	126.84	①
630-B002	Interstate Directional Signs, Bolted Extruded Aluminum Panels, Ground Mounted	SF	30	①
630-C001	Square Tube Posts, 4.0 lb/ft	LF	105	②
630-C002	Square Tube Posts, 2.0 lb/ft	LF	180	③
907-630-PP002	Roadside Directional Signs, Sheet Aluminum, 0.125" Thickness, Ground Mounted	SF	82.45	①

- ① To include cost of removal of sign panels including hardware.
- ② To include cost of removal of existing post and footing. Also to include cost of Class "B" Concrete footing for replacement sign.
- ③ To include cost of removal of existing post and footing.

Notes:

1. Install and remove signs as shown, GPS locations are approximate and site conditions may warrant adjustment.
2. Unless directed by the engineer, all existing sign assemblies not shown in this scope of work are to remain in place.
3. Installation of new signs and sign assemblies shall not block visibility of any existing signs that are to remain. All field adjustments are to be approved by the Engineer.
4. Recommended minimum spacing between signs is 200'.
5. Where posts and footings require removal in concrete islands, are to be removed and replaced, any sawcuts and removal are to be absorbed in other items. Any concrete removed will be replaced and cost to be absorbed.
6. Signs and Posts that are removed are to become the property of the contractor.
7. Any voids created with removal of existing posts are to be backfilled with suitable granular material.

Webster, SR 15

MUTCD ID	Description	Size	Qt	0.080 Thick Unit Area (Sq Ft)	0.100 Thick Unit Area (Sq Ft)	.125 Thick Unit Area (Sq Ft)	630-A001 0.080 Thick Total Area (Sq Ft)	630-A003 .125 Thick Total Area (Sq Ft)	630-A005 0.100 Thick Total Area (Sq Ft)	630-B002 Extruded Aluminum Total Area (Sq Ft)	907-630-PP002 Directional Signs .125 Thick Total Area (Sq Ft)
M1-5	Route Marker 15	24"x24"	2	4			8	0	0		
M3-1	North	24"x12"	1	2			2	0	0		
OM-3L	Type 3 Object Marker	12"x36"	2	3			6	0	0		
OM-3R	Type 3 Object Marker	12"x36"	2	3			6	0	0		
R1-1	Stop	36"x36"	4		7.46		0	0	29.84		
R2-1	Speed Limit 45	24"x30"	1	5			5	0	0		
R2-1	Speed Limit 55	24"x30"	3	5			15	0	0		
R7-1	No Parking Any Time	12"x18"	1	1.5			1.5	0	0		
S5-1 (MOD)	School Speed Limit 25 When Children Are Present	24"x48"	1		8		0	0	8		
W1-2L	Left Curve	36"x36"	1		9		0	0	9		
W13-1	Advisory Speed (30 MPH)	24"x24"	2	4			8	0	0		
W13-2	Exit Speed 20 MPH	48"x60"	1			20	0	20	0		
W1-7	Two Direction Large Arrow	48"x24"	1		8		0	0	8		
W1-8	Chevron Alignment	24"x30"	5	5			25	0	0		
W2-1	Crossroad	36"x36"	2		9		0	0	18		
W2-2	Side Road	36"x36"	4		9		0	0	36		
W3-1	Stop Ahead	48"x48"	2			16	0	32	0		
W3-5	Speed Reduction (45 MPH)	36"x36"	1		9		0	0	9		
W8-13	Bridge Ices Before Road	36"x36"	1		9		0	0	9		
XX	250 Fine-Trashing Hwy	24"x18"	1	3			3	0	0		
XX	No Commercial Vehicles	30x36"	1	7.5			7.5	0	0		
XX	No Commercial Vehicles	24x30"	1	5			5	0	0		
XX	Roadside Directional Signs		10							30	82.45
<b>Total:</b>							<b>92</b>	<b>52</b>	<b>126.84</b>	<b>30</b>	<b>82.45</b>

Webster, SR 15

Sign No.	MUTCD ID	Description	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 0.080 Thick Unit Area (Sg Ft)	630-A003 125 Thick Unit Area (Sg Ft)	630-A005 0.100 Thick Unit Area (Sg Ft)	630-B002 Extruded Aluminum Sign Unit Area (Sg Ft)	630-C001 4 lb/ft Post Unit Length (Ft)	630-C002 2 lb/ft Post Unit Length (Ft)	907-630-PP002 Roadside Directional Sign .125 Thick Unit Area (Sg Ft)
1	W3-1	Stop Ahead	48"x48"		33.53853588	-89.12409103		16					
2	R1-1	Stop	36"x36"	U-Post	33.53506755	-89.12541611			7.46			15	
3	R1-1	Stop	36"x36"		33.54980624	-89.09237378			7.46				
4	OM-3L	Type 3 Object Marker	12"x36"		33.53754351	-89.111017	3						
5	OM-3R	Type 3 Object Marker	12"x36"		33.53755125	-89.11103769	3						
6	OM-3L	Type 3 Object Marker	12"x36"		33.53763543	-89.11098832	3						
7	OM-3R	Type 3 Object Marker	12"x36"		33.5376008	-89.11039755	3						
8	W3-1	Stop Ahead	48"x48"		33.54017994	-89.10834019		16					
9	R2-1	Speed Limit 45	24"x30"	U-Post	33.53404614	-89.12675831	5					15	
10	R2-1	Speed Limit 55	24"x30"		33.53310865	-89.1273693	5						
11	R1-1	Stop	36"x36"		33.5623054	-89.07834428			7.46				
12	R2-1	Speed Limit 55	24"x30"		33.56781511	-89.07844395	5						
13	R2-1	Speed Limit 55	24"x30"	U-Post	33.66242287	-89.06030727	5					15	
14	R1-1	Stop	36"x36"		33.58198114	-89.07643807			7.46				
15	W2-1	Crossroad	36"x36"		33.63656734	-89.06430984			9				
16	W1-7	Two Direction Large Arrow	48"x24"		33.56226114	-89.07856998			8				
17	W2-1	Crossroad	36"x36"	U-Post	33.64036008	-89.06388275			9			15	
18	W8-13	Bridge Ices Before Road	36"x36"	U-Post	33.65675582	-89.0611648			9			15	
19	M1-5	Route Marker 15	24"x24"		33.66566456	-89.05955064	4						
20	M3-1	North	24"x12"		33.66566456	-89.05955064	2						
21	W2-2	Side Road	36"x36"	U-Post	33.66787007	-89.05924943			9			15	
22	W2-2	Side Road	36"x36"		33.6893294	-89.05588868			9				
23	W2-2	Side Road	36"x36"	U-Post	33.72300241	-89.05228739			9			15	
24	W2-2	Side Road	36"x36"	U-Post	33.73286093	-89.05206854			9			15	
25	M1-5	Route Marker 15	24"x24"		33.73280446	-89.05212479	4						
26	XX	No Commercial Vehicles	36"x30"	U-Post	33.67266926	-89.05860442	7.5				15		
27	W13-1	Advisory Speed (30 MPH)	24"x24"		33.53432054	-89.12631602	4						
28	W3-5	Speed Reduction (45 MPH)	36"x36"		33.5448876	-89.09871043			9				
29	W13-2	Exit Speed 20 MPH	48"x60"		33.53777818	-89.11150382		20					
30	W1-8	Chevron Alignment	24"x30"	U-Post	33.53790728	-89.11184499	5					15	
31	W1-8	Chevron Alignment	24"x30"		33.53791056	-89.11183646	5						
32	W1-8	Chevron Alignment	24"x30"		33.5380456	-89.11184871	5						
33	W1-8	Chevron Alignment	24"x30"		33.53805603	-89.11185124	5						
34	W1-8	Chevron Alignment	24"x30"		33.53841192	-89.11173176	5						
35	XX	250 Fine-Trashing Hwy	24"x18"	U-Post	33.54518994	-89.1035848	3					15	
36	R7-1	No Parking Any Time	12"x18"		33.5375034	-89.12427757	1.5						
37	W13-1	Advisory Speed (30 MPH)	24"x24"		33.53432054	-89.12631602	4						
38	S5-1 (MOD)	School Speed Limit 25 When Children Are Present	24"x48"		33.53537735	-89.1251315			8				
39	W1-2L	Left Curve	36"x36"		33.53432054	-89.12631602			9				
40	XX	EXIT	72"x60"		33.53775793	-89.11165779				30			
41	XX	Houston 25	54"x18"	U-Post	33.57116206	-89.07847129					15		6.75
42	XX	Houston 17 → Maben 8 ←	66"x24"	U-Post	33.66533549	-89.05975616					15		11
44	XX	Mathiston 2 Louisville 35	66"x24"	U-Post	33.54529802	-89.09388148					15		11
45	XX	Natchez Trace	66"x24"		33.66559483	-89.05973799							11
46	XX	Natchez Trace →	66"x24"		33.66420263	-89.05983351							11
47	XX	NO COMMERCIAL VEHICLES	24"x30"		33.67266926	-89.05860442	5						
48	XX	Oktibbeha County	48"x24"	U-Post	33.56213548	-89.0786543					15		8
49	XX	SCHOOL TRAFFIC TURNING	49"x49"		33.53343764	-89.12732828					15		16.7
50	XX	Webster County	42"x24"	U-Post	33.55286797	-89.0886352					15		7
							<b>Total:</b>	<b>92</b>	<b>52</b>	<b>126.84</b>	<b>105</b>	<b>180</b>	<b>82.45</b>



6.0" Radius, 1.3" Border, White on, Green;  
 "EXIT", E Mod 2K; Standard Arrow Custom 26.8" X 16.1" 45";  
 Table of letter and object lefts

<b>E</b>	<b>X</b>	<b>I</b>	<b>T</b>
17.5	28.1	41.0	45.6
25.5			

Sign 40

MS 15 Webster County

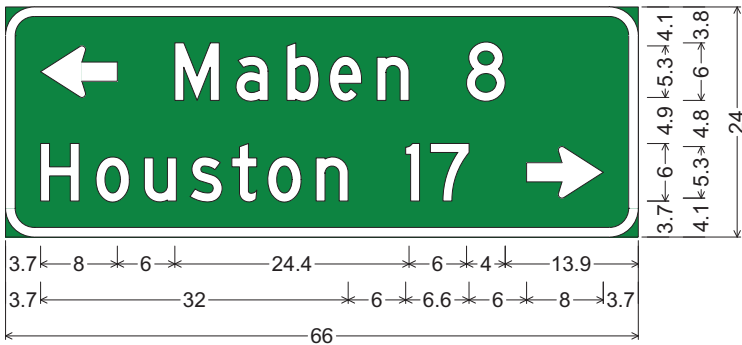


3.0" Radius, 1.0" Border, White on, Green;  
 "Houston", D; "25", D;  
 Table of letter and object lefts

<b>H</b>	<b>o</b>	<b>u</b>	<b>s</b>	<b>t</b>	<b>o</b>	<b>n</b>	<b>2</b>	<b>5</b>
3.2	9.0	14.0	18.8	23.2	26.9	32.0	41.3	46.7

Sign 41

MS 15 Webster County



3.0" Radius, 1.0" Border, White on, Green;  
 Standard Arrow Custom 8.0" X 5.4" 180; "Maben", D; "8", D;  
 "Houston", D; "17", D; Standard Arrow Custom 8.0" X 5.4" 0;  
 Table of letter and object lefts

	<b>M</b>	<b>a</b>	<b>b</b>	<b>e</b>	<b>n</b>	<b>8</b>			
3.7	17.7	24.0	29.3	33.8	38.7	48.1			
<b>H</b>	<b>o</b>	<b>u</b>	<b>s</b>	<b>t</b>	<b>o</b>	<b>n</b>	<b>1</b>	<b>7</b>	
3.7	9.4	14.5	19.3	23.6	27.4	32.4	41.7	44.3	54.3

Sign 42

MS 15 Webster County

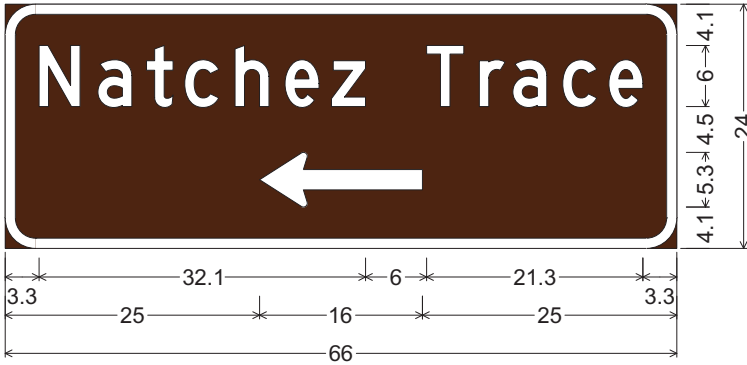


3.0" Radius, 1.0" Border, White on, Green;  
 "Mathiston", D; "2", D; "Louisville", D; "35", D;  
 Table of letter and object lefts

<b>M</b>	<b>a</b>	<b>t</b>	<b>h</b>	<b>i</b>	<b>s</b>	<b>t</b>	<b>o</b>	<b>n</b>	<b>2</b>		
5.5	11.9	16.7	20.9	26.2	28.5	32.9	36.6	41.7	56.5		
<b>L</b>	<b>o</b>	<b>u</b>	<b>i</b>	<b>s</b>	<b>v</b>	<b>i</b>	<b>l</b>	<b>e</b>	<b>3</b>	<b>5</b>	
5.9	10.5	15.6	20.9	23.3	27.6	33.0	35.9	38.8	41.3	51.0	56.5

Sign 43

MS 15 Webster County



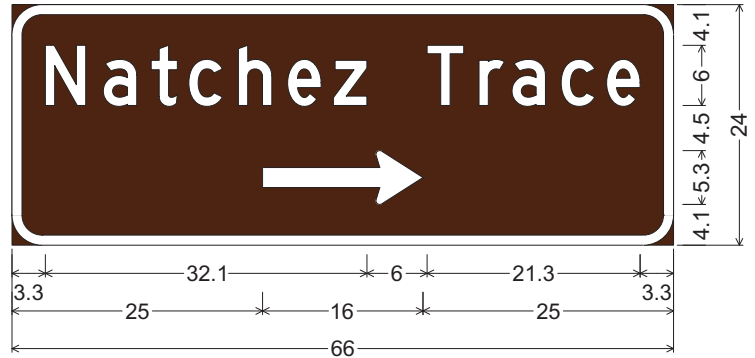
3.0" Radius, 1.0" Border, White on, Brown;  
 "Natchez Trace", D; Standard Arrow Custom 16.0" X 5.4" 180°;  
 Table of letter and object lefts

<b>N</b>	<b>a</b>	<b>t</b>	<b>c</b>	<b>h</b>	<b>e</b>	<b>z</b>	<b>T</b>	<b>r</b>	<b>a</b>	<b>c</b>	<b>e</b>
3.3	9.1	13.9	17.6	22.6	27.5	32.1	41.4	46.6	49.9	54.8	59.3

←
25.0

Sign 44

MS 15 Webster County



3.0" Radius, 1.0" Border, White on, Brown;  
 "Natchez Trace", D; Standard Arrow Custom 16.0" X 5.4" 0°;  
 Table of letter and object lefts

<b>N</b>	<b>a</b>	<b>t</b>	<b>c</b>	<b>h</b>	<b>e</b>	<b>z</b>	<b>T</b>	<b>r</b>	<b>a</b>	<b>c</b>	<b>e</b>
3.3	9.1	13.9	17.6	22.6	27.5	32.1	41.4	46.6	49.9	54.8	59.3

→
25.0

Sign 45

MS 15 Webster County



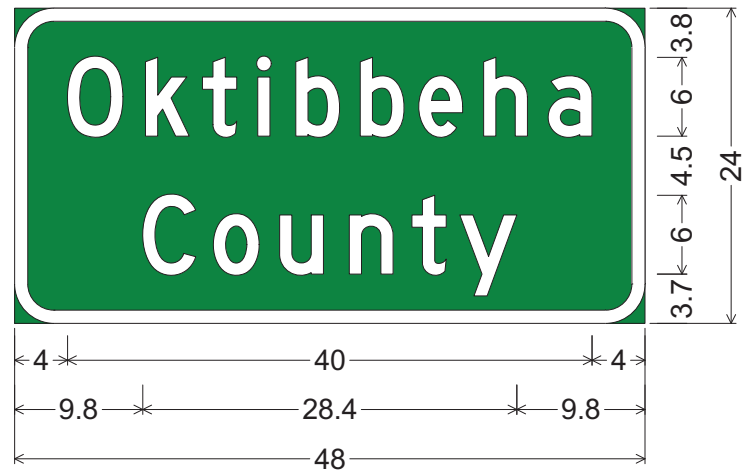
1.5" Radius, 0.6" Border, 0.4" Indent, Black on, White;  
 "NO", D 2K specified length;  
 "COMMERCIAL", B 2K specified length;  
 "VEHICLES", B 2K specified length;

Table of letter and object lefts

<b>N</b>	<b>O</b>								
8.7	12.5								
<b>C</b>	<b>O</b>	<b>M</b>	<b>M</b>	<b>E</b>	<b>R</b>	<b>C</b>	<b>I</b>	<b>A</b>	<b>L</b>
2.1	4.2	6.4	8.8	11.2	13.0	15.0	17.1	17.9	20.4
<b>V</b>	<b>E</b>	<b>H</b>	<b>I</b>	<b>C</b>	<b>L</b>	<b>E</b>	<b>S</b>		
3.2	5.8	8.0	10.8	12.3	14.9	17.1	19.1		

Sign 46

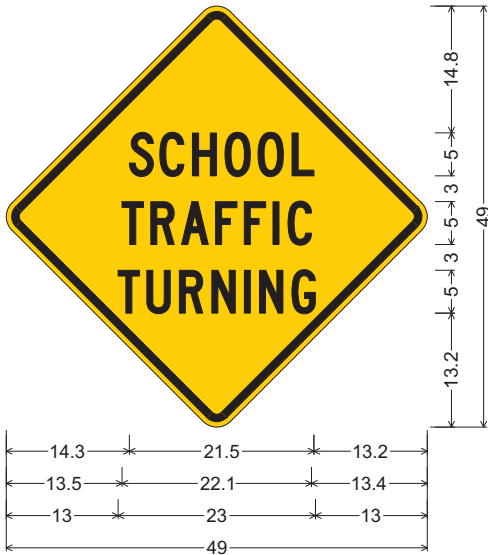
MS 15 Webster County



3.0" Radius, 1.0" Border, White on, Green;  
 "Oktibbeha", D; "County", D;  
 Table of letter and object lefts

<b>O</b>	<b>k</b>	<b>t</b>	<b>i</b>	<b>b</b>	<b>b</b>	<b>e</b>	<b>h</b>	<b>a</b>
4.0	10.0	14.3	18.5	21.4	26.3	30.8	35.7	40.6
<b>C</b>	<b>o</b>	<b>u</b>	<b>n</b>	<b>t</b>	<b>y</b>			
9.8	15.1	20.2	25.5	30.3	33.9			

Sign 47

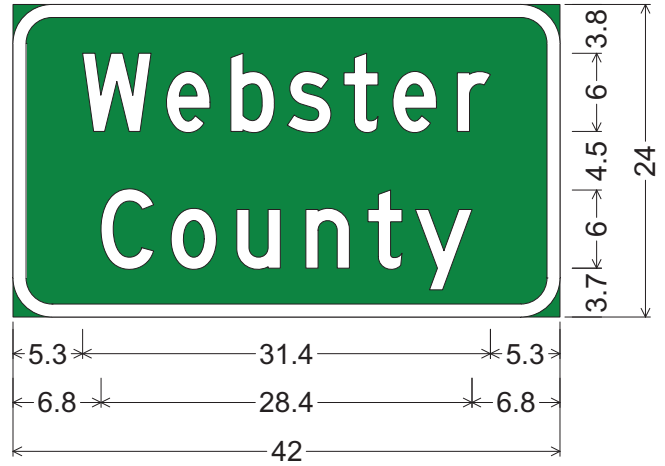


W8-16\_36x36;  
36.0" across sides 2.3" Radius, 0.9" Border, 0.6" Indent, Black on, Yellow;  
"SCHOOL", C 2K; "TRAFFIC", C;  
"TURNING", C;

Table of letter and object lefts

<b>S</b>	<b>C</b>	<b>H</b>	<b>O</b>	<b>O</b>	<b>L</b>	
14.3	17.9	21.7	25.5	29.3	33.3	
<b>T</b>	<b>R</b>	<b>A</b>	<b>F</b>	<b>F</b>	<b>I</b>	<b>C</b>
13.5	16.8	20.4	24.4	27.7	31.1	32.8
<b>T</b>	<b>U</b>	<b>R</b>	<b>N</b>	<b>I</b>	<b>N</b>	<b>G</b>
13.0	16.4	20.2	24.0	27.7	29.5	33.3

Sign 48



3.0" Radius, 1.0" Border, White on, Green;  
"Webster", D; "County", D;  
Table of letter and object lefts

<b>W</b>	<b>e</b>	<b>b</b>	<b>s</b>	<b>t</b>	<b>e</b>	<b>r</b>
5.3	11.8	16.7	21.1	25.4	29.2	34.1
<b>C</b>	<b>o</b>	<b>u</b>	<b>n</b>	<b>t</b>	<b>y</b>	
6.8	12.1	17.2	22.5	27.3	30.9	

Sign 49

Summary of Quantities

Pay Item No.	Pay Item	Unit	Qty	
618-A001	Maintenance Of Traffic	LS	1	
618-B001	Additional Construction Signs	SF	1	
620-A001	Mobilization	LS	1	
630-A001	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness	SF	148.76	①
630-A003	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness	SF	158.5	①
630-A005	Standard Roadside Signs, Sheet Aluminum, 0.1" Thickness	SF	487.68	①
630-B002	Interstate Directional Signs, Bolted Extruded Aluminum Panels, Ground Mounted	SF	0	①
630-C001	Square Tube Posts, 4.0 lb/ft	LF	121	②
630-C002	Square Tube Posts, 2.0 lb/ft	LF	180	③
907-630-PP002	Roadside Directional Signs, Sheet Aluminum, 0.125" Thickness, Ground Mounted	SF	103	①

- ① To include cost of removal and replacement of sign panels including hardware.
- ② To include cost of removal of existing post and footing. Also to include cost of Class "B" Concrete footing for replacment sign.
- ③ To include cost of removal of existing post and footing.

Notes:

1. Install and remove signs as shown, GPS locations are approximate and site conditions may warrant adjustment.
2. Unless directed by the engineer, all existing sign assemblies not shown in this scope of work are to remain in place.
3. Installation of new signs and sign assemblies shall not block visibility of any existing signs that are to remain. All field adjustments are to be approved by the Engineer.
4. Recommended minimum spacing between signs is 200'.
5. Where posts and footings require removal in concrete islands, any sawcuts and removal are to be absorbed in other pay items. Any concrete removed will be replaced and cost to be absorbed.
6. Signs and Posts that are removed are to become the property of the contractor.
7. Any voids created with removal of existing posts are to be backfilled with suitable granular material.

Chickasaw, SR 15

MUTCD ID	Description	Size	Qty	0.080 Thick Unit Area (Sq Ft)	0.100 Thick Unit Area (Sq Ft)	.125 Thick Unit Area (Sq Ft)	630-A001 0.080 Thick Total Area (Sq Ft)	630-A003 .125 Thick Total Area (Sq Ft)	630-A005 0.100 Thick Total Area (Sq Ft)	630-B002 Extruded Aluminum Total Area (Sq Ft)	907-630-PP002 .125 Thick Total Area (Sq Ft)
D9-2	Hospital (Symbol)	24"x24"	1	4			4				
I-5	Airport	24"x24"	1	4			4				
M1-5	Route Marker 15	24"x24"	4	4			16				
M1-5	Route Marker 340	30"x24"	1	5			5				
M3-1	North	24"x12"	2	2			4				
M3-3	South	24"x12"	2	2			4				
M6-1R	Right Arrow	21"x15"	2	2.19			4.38				
M6-1R	Right Or Left (Green)	21"x15"	1	2.19			2.19				
M6-2R	Right Arrow 45	21"x15"	1	2.19			2.19				
OM-3L	Type 3 Object Marker	12"x36"	18	3			54				
R1-1	Stop	36"x36"	8		7.46				59.68		
R1-1	Stop	48"x48"	2			13.25		26.5			
R2-1	Speed Limit 55	24"x30"	2	5			10				
R5-1	Do Not Enter	36"x36"	19		9				171		
R6-1R	One Way Right	36"x12"	2	3			6				
W13-1	Advisory Speed (40 MPH)	24"x24"	2	4			8				
W13-2	Exit Speed (Blank) (45 M.P.H.)	48"x60"	1			20		20			
W14-1	Dead End	36"x36"	1		9				9		
W1-7	Left-Right Arrow	60"x30"	4		12.5				50		
W1-8	Chevron Alignment	24"x30"	5	5			25				
W2-1	Crossroad	36"x36"	4		9				36		
W2-2	Side Road	36"x36"	8		9				72		
W3-1	Stop Ahead	48"x48"	4			16		64			
W4-1R	Merge Right	48"x48"	1			16		16			
W8-13	Bridge Ices Before Road	36"x36"	6		9				54		
W8-13	Bridge Ices Before Road	48"x48"	1			16		16			
W9-1L	Land Ends (Left)	48"x48"	1			16		16			
XX	Church	36"x36"	2		9				18		
XX	Trucks Turning	36"x36"	2		9				18		
XX	Roadside Directional Signs		6								
<b>Total:</b>							<b>148.76</b>	<b>158.5</b>	<b>487.68</b>	<b>0</b>	<b>103</b>



Chickasaw, SR 15

Sign No.	MUTCD ID	Description	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 0.080 Thick Unit Area (Sq Ft)	630-A003 .125 Thick Unit Area (Sq Ft)	630-A005 0.100 Thick Unit Area (Sq Ft)	630-B002 Extruded Aluminum Sign Unit Area (Sq Ft)	630-C001 4 lb/ft Post Unit Length (Ft)	630-C002 2 lb/ft Post Unit Length (Ft)	907-630-PP002 Roadside Directional Sign .125 Thick Unit Area (Sq Ft)
1	W3-1	Stop Ahead	48"x48"	U-Post	33.82575467	-89.02429793		16			16		
2	R6-1R	One Way Right	36"x12"		33.89574388	-89.03399825	3						
3	OM-3R	Type 3 Object Marker	12"x36"		33.74933319	-89.05148451	3						
4	R1-1	Stop	36"x36"		33.76794312	-89.04923017			7.46				
5	OM-3L	Type 3 Object Marker	12"x36"		33.77433708	-89.04683431	3						
6	OM-3R	Type 3 Object Marker	12"x36"		33.77446264	-89.04677289	3						
7	OM-3R	Type 3 Object Marker	12"x36"		33.77438222	-89.04666007	3						
8	OM-3L	Type 3 Object Marker	12"x36"		33.77454182	-89.04659364	3						
9	OM-3L	Type 3 Object Marker	12"x36"		33.77672501	-89.0457274	3						
10	R1-1	Stop	36"x36"		33.87187017	-89.02435458			7.46				
11	R1-1	Stop	36"x36"		33.87186462	-89.02433879			7.46				
12	W3-1	Stop Ahead	48"x48"		33.87335369	-89.02262513		16					
13	OM-3R	Type 3 Object Marker	12"x36"	U-Post	33.87683592	-89.02933377	3				15		
14	OM-3L	Type 3 Object Marker	12"x36"	U-Post	33.87682813	-89.02934961	3				15		
15	R6-1R	One Way Right	36"x12"		33.89077502	-89.03317714	3						
16	OM-3L	Type 3 Object Marker	12"x36"		33.89285859	-89.0328694	3						
17	OM-3R	Type 3 Object Marker	12"x36"		33.89285859	-89.0328694	3						
18	OM-3L	Type 3 Object Marker	12"x36"		33.89376284	-89.03383237	3						
19	R5-1	Do Not Enter	36"x36"		33.90032374	-89.03491121			9				
20	R5-1	Do Not Enter	36"x36"		33.88591399	-89.03216523			9				
21	R1-1	Stop	36"x36"	U-Post	33.91860172	-89.03469854			7.46			15	
22	R1-1	Stop	36"x36"		33.93108891	-89.025791			7.46				
23	OM-3L	Type 3 Object Marker	12"x36"		33.93730414	-89.01503585	3						
24	OM-3R	Type 3 Object Marker	12"x36"		33.93758106	-89.01434305	3						
25	OM-3R	Type 3 Object Marker	12"x36"		33.93799084	-89.0136719	3						
26	W3-1	Stop Ahead	48"x48"		33.94103131	-89.01359566		16					
27	R1-1	Stop	48"x48"		33.9392534	-89.01136363		13.25					
28	OM-3L	Type 3 Object Marker	12"x36"		33.9420297	-89.00396201	3						
29	OM-3R	Type 3 Object Marker	12"x36"		33.94201654	-89.00394922	3						
30	OM-3R	Type 3 Object Marker	12"x36"		34.0327885	-88.99228139	3						
31	OM-3R	Type 3 Object Marker	12"x36"	U-Post	34.03279484	-88.99223434	3				15		
32	W3-1	Stop Ahead	48"x48"	U-Post	34.03847959	-88.99200455		16					
33	R1-1	Stop	48"x48"		33.94320797	-88.99927241		13.25					
34	R1-1	Stop	36"x36"		33.96679192	-88.99023254			7.46				
35	R1-1	Stop	36"x36"		33.97301665	-88.98963001			7.46				
36	R2-1	Speed Limit 55	24"x30"		33.97391812	-88.98967898	5						
37	R1-1	Stop	36"x36"		33.93134702	-89.02576737			7.46				
38	W8-13	Bridge Ices Before Road	36"x36"	U-Post	33.81456229	-89.03060146			9			15	
39	W2-1	Crossroad	36"x36"	U-Post	33.82858356	-89.02495454			9			15	
40	W2-2	Side Road	36"x36"		33.8363508	-89.02182719			9				
41	W2-2	Side Road	36"x36"		33.83931608	-89.02042506			9				
42	W2-2	Side Road	36"x36"		33.84368061	-89.01882295			9				
43	W1-8R	Chevron Alignment Right	24"x30"	U-Post	33.85465817	-89.01431108	5					15	
44	W1-8R	Chevron Alignment Right	24"x30"	U-Post	33.85450574	-89.01448193	5					15	
45	W1-8R	Chevron Alignment Right	24"x30"	U-Post	33.85454672	-89.01453904	5					15	
46	W1-8R	Chevron Alignment Right	24"x30"	U-Post	33.85448638	-89.01461407	5					15	
47	W4-1R	Merge Right	48"x48"	U-Post	33.89446149	-89.03361224		16					
48	XX	Church	36"x36"		33.75994764	-89.05110346			9				
49	XX	Church	36"x36"		33.76393545	-89.05069029			9				

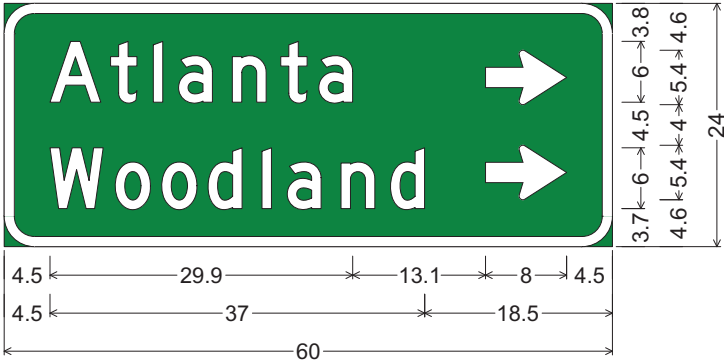
Chickasaw, SR 15

Sign No.	MUTCD ID	Description	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 0.080 Thick Unit Area (Sq Ft)	630-A003 .125 Thick Unit Area (Sq Ft)	630-A005 0.100 Thick Unit Area (Sq Ft)	630-B002 Extruded Aluminum Sign Unit Area (Sq Ft)	630-C001 4 lb/ft Post Unit Length (Ft)	630-C002 2 lb/ft Post Unit Length (Ft)	907-630-PP002 Roadside Directional Sign .125 Thick Unit Area (Sq Ft)
50	W2-2	Side Road	36"x36"	U-Post	33.77067125	-89.04833305			9			15	
51	W1-7	Left-Right Arrow	60"x30"		33.771612	-89.047937			12.5				
52	W8-13	Bridge Ices Before Road	48"x48"		33.77289997	-89.0472746		16					
53	W2-2	Side Road	36"x36"		33.77373726	-89.04705265			9				
54	M3-5	Route Marker 15	24"x24"		33.77903428	-89.04481177	4						
55	M1-3	South	24"x12"		33.88729293	-89.03261158	2						
56	W9-1L	Land Ends (Left)	48"x48"		33.88931625	-89.03286839		16					
57	W13-2	Exit Speed (Blank) (45 M.P.H.)	48"x60"		33.88939202	-89.03261553		20					
58	M3-1	North	24"x12"		33.77903428	-89.04481177	2						
59	M6-1R	Right Arrow	21"x15"		33.77904727	-89.04494891	2.19						
60	M1-5	Route Marker 340	30"x24"		33.77904727	-89.04494891	5						
61	W2-2	Side Road	36"x36"		33.79281948	-89.03942386			9				
62	W2-2	Side Road	36"x36"		33.80492986	-89.03457538			9				
63	D9-2	Hospital (Symbol)	24"x24"		33.88566703	-89.03183003	4						
64	W2-1	Crossroad	36"x36"		33.986074	-88.99103496			9				
65	W2-2	Side Road	36"x36"		34.014908	-88.98941			9				
66	XX	Trucks Turning	36"x36"	U-Post	34.03255318	-88.99189243			9		15		
67	W13-1	Advisory Speed (40 MPH)	24"x24"		34.04064733	-88.99483099	4						
68	W13-1	Advisory Speed (40 MPH)	24"x24"		34.04064518	-88.99479289	4						
69	W2-1	Crossroad	36"x36"		34.06740739	-89.0041282			9				
70	W2-1	Crossroad	36"x36"		34.06882315	-89.00447353			9				
71	M1-5	Route Marker 15	24"x24"		33.94300455	-89.00087012	4						
72	W1-8	Chevron Alignment Left	24"x30"		33.94280596	-88.9906934	5						
73	W14-1	Dead End	36"x36"		33.95852395	-88.99149277			9				
74	R2-1	Speed Limit 55	24"x30"		33.97391812	-88.98967898							
75	I-5	Airport	24"x24"		33.87905182	-89.02981481							
76	M6-1R	Right Or Left (Green)	21"x15"		33.87905182	-89.02981481	2.19						
77	W1-7	Left-Right Arrow	60"x30"		33.94361956	-88.99967563			12.5				
78	W1-7	Left-Right Arrow	60"x30"		33.85439585	-89.01544872			12.5				
79	W1-7	Left-Right Arrow	60"x30"		33.771612	-89.047937			12.5				
80	W8-13	Bridge Ices Before Road	36"x36"		33.93622499	-89.01696549			9				
81	W8-13	Bridge Ices Before Road	36"x36"		33.94027577	-89.00973226			9				
82	W8-13	Bridge Ices Before Road	36"x36"		33.7812364	-89.04407007			9				
83	W8-13	Bridge Ices Before Road	36"x36"		33.94289808	-89.00076415			9				
84	XX	Trucks Turning	36"x36"		33.80043578	-89.03614344			9				
85	R5-1	Do Not Enter	36"x36"		33.93943874	-89.01156616			9				
86	R5-1	Do Not Enter	36"x36"		33.91106821	-89.03608723			9				
87	R5-1	Do Not Enter	36"x36"		33.93921916	-89.01180523			9				
88	R5-1	Do Not Enter	36"x36"		33.93905712	-89.01151559			9				
89	R5-1	Do Not Enter	36"x36"		33.9392534	-89.01136363			9				
90	R5-1	Do Not Enter	36"x36"		34.03817295	-88.994387			9				
91	R5-1	Do Not Enter	36"x36"		33.85483591	-89.01515026			9				
92	R5-1	Do Not Enter	36"x36"		33.85440652	-89.01499695			9				
93	R5-1	Do Not Enter	36"x36"		33.91068055	-89.03538824			9				
94	R5-1	Do Not Enter	36"x36"		33.911457	-89.035723			9				
95	R5-1	Do Not Enter	36"x36"		33.91148432	-89.0364297			9				
96	R5-1	Do Not Enter	36"x36"		33.87749988	-89.0282049			9				
97	R5-1	Do Not Enter	36"x36"		33.87720334	-89.02903096			9				
98	R5-1	Do Not Enter	36"x36"		33.87774579	-89.02866506			9				

Chickasaw, SR 15

Sign No.	MUTCD ID	Description	Size	Existing Support Type To Be Removed	Latitude	Longitude	630-A001 0.080 Thick Unit Area (Sq Ft)	630-A003 .125 Thick Unit Area (Sq Ft)	630-A005 0.100 Thick Unit Area (Sq Ft)	630-B002 Extruded Aluminum Sign Unit Area (Sq Ft)	630-C001 4 lb/ft Post Unit Length (Ft)	630-C002 2 lb/ft Post Unit Length (Ft)	907-630-PP002 Roadside Directional Sign .125 Thick Unit Area (Sq Ft)
99	R5-1	Do Not Enter	36"x36"		33.87690713	-89.02840248			9				
100	R5-1	Do Not Enter	36"x36"		33.94329875	-89.00024197			9				
101	R5-1	Do Not Enter	36"x36"		33.94357579	-88.99971078			9				
102	W8-13	Bridge Ices Before Road	36"x36"		33.93902364	-89.01216475			9				
103	M3-3	South	24"x12"		33.943257	-88.999273	2						
104	M3-1	North	24"x12"		33.943257	-88.999273	2						
105	M6-1	Right Arrow	21"x15"		33.943257	-88.999273	2.19						
106	M6-2R	Right 45	21"x15"		33.943257	-88.999273	2.19						
107	M1-5	Route Marker 15	24"x24"		33.943257	-88.999273	4						
108	M1-5	Route Marker 15	24"x24"		33.943257	-88.999273	4						
109	XX	Atlanta → Woodland → Chickasaw	60"x24"		33.77978136	-89.04464191							10
110	XX	County Regional Correctional Center ←	90"x48"	U-Post	33.91951267	-89.03464167					30		30
111	XX	Chickasaw County	54"x24"		33.73952798	-89.05164436							9
112	XX	Houston Industrial Park ←	84"x36"	U-Post	33.9195033	-89.03465198					30		21
113	XX	Houston Industrial Park →	84"x36"	U-Post	33.9171317	-89.03512571					30		21
114	XX	South Houston ←	72"x24"		33.85534639	-89.01543041							12
<b>Total:</b>							<b>148.76</b>	<b>158.5</b>	<b>487.68</b>	<b>0</b>	<b>121</b>	<b>180</b>	<b>103</b>

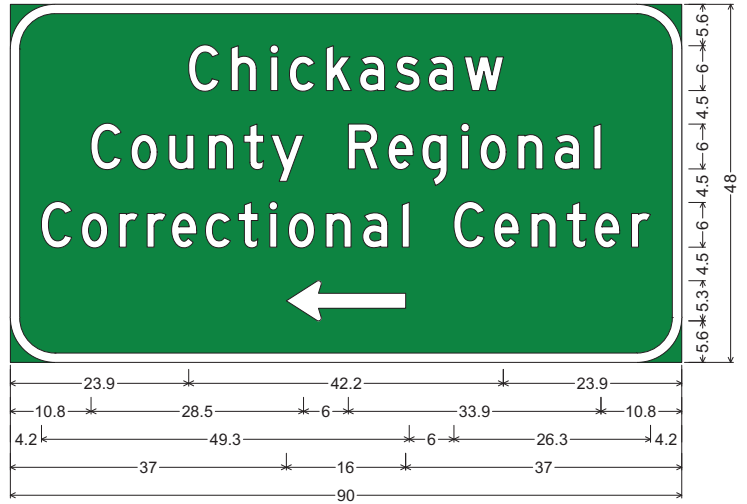
MS 15 Chickasaw County



3.0" Radius, 1.0" Border, White on, Green;  
"Atlanta", D; "Woodland", D;  
Standard Arrow Custom 8.0" X 5.4" 0';  
Standard Arrow Custom 8.0" X 5.4" 0';  
Table of letter and object lefts

A	t	l	a	n	t	a	→	
4.5	10.5	14.7	17.2	22.5	27.3	31.0	47.5	
W	o	o	d	l	a	n	d	→
4.5	11.0	15.5	20.1	25.4	27.9	33.2	38.1	47.5

Sign 109

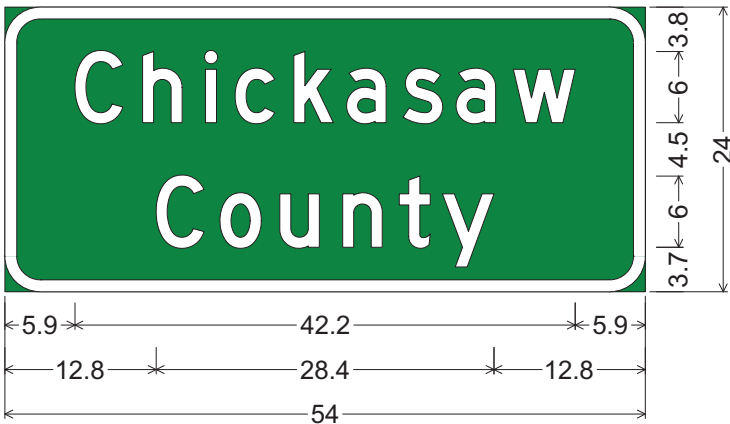


6.0" Radius, 1.3" Border, White on, Green;  
"Chickasaw", D; "County Regional", D; "Correctional Center", D;  
Standard Arrow Custom 16.0" X 5.4" 180';  
Table of letter and object lefts

C	h	i	c	k	a	s	a	w					
23.9	29.6	34.9	37.4	42.4	46.8	51.6	56.0	60.9					
C	o	u	n	t	y	R	e	g	i	o	n	a	i
10.8	16.2	21.2	26.5	31.3	35.0	45.3	50.7	55.2	60.5	63.0	68.0	72.9	78.2
C	o	r	r	e	c	t	i	o	n	a	i		
4.2	9.6	14.6	18.3	21.6	26.2	30.6	34.8	37.3	42.3	47.2	52.5		
C	e	n	t	e	r								
59.5	64.9	69.8	74.6	78.3	83.3								
↑													
37.0													

Sign 110

MS 15 Chickasaw County

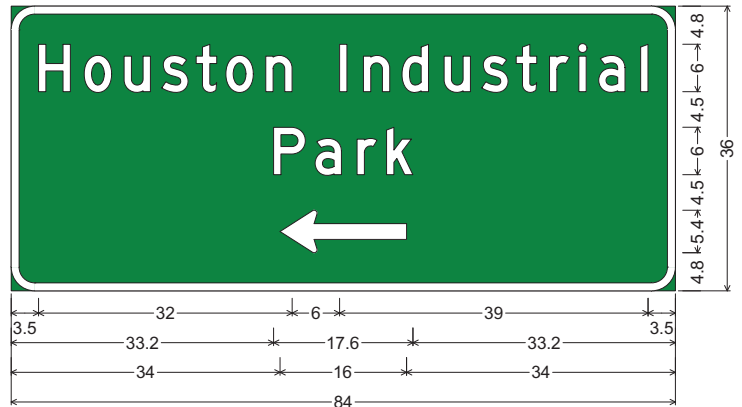


3.0" Radius, 1.0" Border, White on, Green;  
"Chickasaw", D; "County", D;  
Table of letter and object lefts

C	h	i	c	k	a	s	a	w
5.9	11.6	16.9	19.4	24.4	28.8	33.6	38.0	42.9
C	o	u	n	t	y			
12.8	18.1	23.2	28.5	33.3	36.9			

Sign 111

MS 15 Chickasaw County

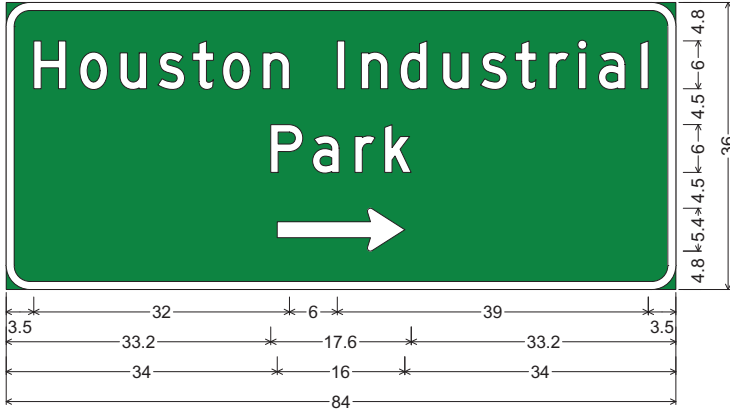


3.0" Radius, 1.0" Border, White on, Green;  
"Houston Industrial", D; "Park", D; Standard Arrow Custom 16.0" X 5.4" 180';  
Table of letter and object lefts

H	o	u	s	t	o	n			
3.5	9.2	14.3	19.1	23.4	27.2	32.2			
I	n	d	u	s	t	r	i	a	i
41.5	44.5	49.5	54.8	59.5	63.9	68.1	71.8	74.3	79.6
P	a	r	k						
33.2	38.4	43.7	47.5						
←									
34.0									

Sign 112

MS 15 Chickasaw County

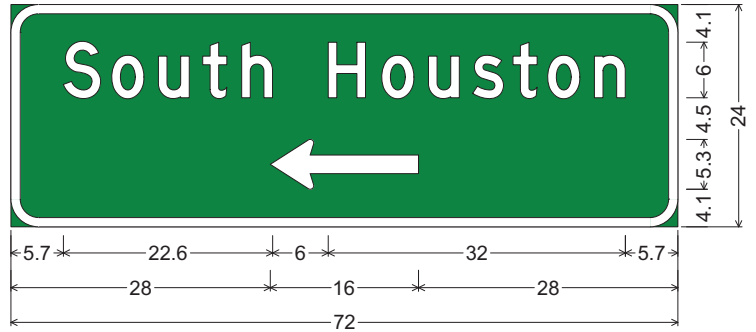


3.0" Radius, 1.0" Border, White on, Green;  
 "Houston Industrial", D; "Park", D; Standard Arrow Custom 16.0" X 5.4" 0';  
 Table of letter and object lefts

H	o	u	s	t	o	n				
3.5	9.2	14.3	19.1	23.4	27.2	32.2				
	i	n	d	u	s	t	r	i	a	i
	41.5	44.5	49.5	54.8	59.5	63.9	68.1	71.8	74.3	79.6
P	a	r	k							
33.2	38.4	43.7	47.5							
→										
34.0										

Sign 113

MS 15 Chickasaw County



3.0" Radius, 1.0" Border, White on, Green;  
 "South Houston", D; Standard Arrow Custom 16.0" X 5.4" 180';  
 Table of letter and object lefts

S	o	u	t	h	H	o	u	s	t	o	n
5.7	10.9	15.9	20.7	24.9	34.3	40.0	45.1	49.8	54.2	57.9	63.0
←											
28.0											

Sign 114



INSTALLER - GUARDRAIL.....	\$ 11.51	0.00
IRONWORKER, REINFORCING.....	\$ 14.82	0.00
LABORER: Common or General, Including Asphalt Raking, Shoveling, Spreading and Concrete Work.....	\$ 10.31	0.00
LABORER: Flagger.....	\$ 9.76	0.00
LABORER: Grade Checker.....	\$ 12.77	0.00
LABORER: Landscape.....	\$ 9.56	0.00
LABORER: Mason Tender - Cement/Concrete.....	\$ 11.08	0.00
LABORER: Pipelayer.....	\$ 10.76	0.00
LABORER: Laborer-Cones/ Barricades/Barrels - Setter/Mover/Sweeper.....	\$ 10.38	0.00
OPERATOR: Asphalt Spreader.....	\$ 16.03	0.00
OPERATOR: Backhoe/Excavator/Trackhoe.....	\$ 16.70	0.00
OPERATOR: Boring Machine.....	\$ 15.14	0.00
OPERATOR: Broom/Sweeper.....	\$ 10.94	0.00
OPERATOR: Bulldozer.....	\$ 14.73	0.00
OPERATOR: Concrete Saw.....	\$ 15.68	0.00
OPERATOR: Crane.....	\$ 18.32	0.00
OPERATOR: Distributor.....	\$ 12.59	0.00
OPERATOR: Drill.....	\$ 19.22	0.00
OPERATOR: Grader/Blade.....	\$ 14.57	0.00
OPERATOR: Loader.....	\$ 11.54	0.00
OPERATOR: Mechanic.....	\$ 15.13	0.00
OPERATOR: Milling Machine.....	\$ 14.51	0.00
OPERATOR: Oiler.....	\$ 12.33	0.00
OPERATOR: Paver (Asphalt, Aggregate, and Concrete).....	\$ 14.47	0.00
OPERATOR: Piledriver.....	\$ 15.13	0.00
OPERATOR: Roller (All Types)....	\$ 11.54	0.00
OPERATOR: Scraper.....	\$ 13.15	0.00
OPERATOR: Tractor.....	\$ 11.25	0.00
OPERATOR: Trencher.....	\$ 15.00	162 0.00

TRUCK DRIVER: Flatbed Truck.....	\$ 13.79	0.00
TRUCK DRIVER: Lowboy Truck.....	\$ 13.30	0.00
TRUCK DRIVER: Mechanic.....	\$ 14.23	0.00
TRUCK DRIVER: Off the Road Truck.....	\$ 12.29	0.00
TRUCK DRIVER: Water Truck.....	\$ 10.58	0.00
TRUCK DRIVER: Dump Truck (All Types).....	\$ 11.48	0.00
TRUCK DRIVER: Semi/Trailer Truck.....	\$ 15.81	0.00

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WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at [www.dol.gov/whd/govcontracts](http://www.dol.gov/whd/govcontracts).

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A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were



prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

#### Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

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Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

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#### WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter

\* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

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Wage and Hour Division  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
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2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

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The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

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END OF GENERAL DECISION

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INSTALLER - GUARDRAIL.....	\$ 11.51	0.00
IRONWORKER, REINFORCING.....	\$ 14.82	0.00
LABORER: Common or General, Including Asphalt Raking, Shoveling, Spreading and Concrete Work.....	\$ 11.04	0.00
LABORER: Flagger.....	\$ 9.76	0.00
LABORER: Grade Checker.....	\$ 12.77	0.00
LABORER: Landscape.....	\$ 9.56	0.00
LABORER: Mason Tender - Cement/Concrete.....	\$ 11.08	0.00
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LABORER: Laborer-Cones/ Barricades/Barrels - Setter/Mover/Sweeper.....	\$ 10.38	0.00
OPERATOR: Asphalt Spreader.....	\$ 16.03	0.00
OPERATOR: Backhoe/Excavator/Trackhoe.....	\$ 14.40	0.00
OPERATOR: Boring Machine.....	\$ 15.14	0.00
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OPERATOR: Bulldozer.....	\$ 14.73	0.00
OPERATOR: Concrete Saw.....	\$ 15.69	0.00
OPERATOR: Crane.....	\$ 18.32	0.00
OPERATOR: Distributor.....	\$ 12.59	0.00
OPERATOR: Drill.....	\$ 19.22	0.00
OPERATOR: Grader/Blade.....	\$ 14.57	0.00
OPERATOR: Loader.....	\$ 11.54	0.00
OPERATOR: Mechanic.....	\$ 15.13	0.00
OPERATOR: Milling Machine.....	\$ 15.12	0.00
OPERATOR: Oiler.....	\$ 12.33	0.00
OPERATOR: Paver (Asphalt, Aggregate, and Concrete).....	\$ 14.47	0.00
OPERATOR: Piledriver.....	\$ 15.13	0.00
OPERATOR: Roller (All Types)....	\$ 11.54	0.00
OPERATOR: Scraper.....	\$ 13.15	0.00
OPERATOR: Tractor.....	\$ 11.25	0.00
OPERATOR: Trencher.....	\$ 15.00	1670.00

TRUCK DRIVER: Flatbed Truck.....	\$ 13.79	0.00
TRUCK DRIVER: Lowboy Truck.....	\$ 13.30	0.00
TRUCK DRIVER: Mechanic.....	\$ 14.23	0.00
TRUCK DRIVER: Off the Road Truck.....	\$ 12.29	0.00
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WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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OPERATOR: Scraper.....	\$ 13.15	0.00
OPERATOR: Tractor.....	\$ 11.25	0.00
OPERATOR: Trencher.....	\$ 15.00	1720.00

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A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

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END OF GENERAL DECISION

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"General Decision Number: MS20210107 01/01/2021

Superseded General Decision Number: MS20200107

State: Mississippi

Construction Type: Highway

County: Oktibbeha County in Mississippi.

HIGHWAY CONSTRUCTION PROJECTS

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.95 for calendar year 2021 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.95 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2021. If this contract is covered by the EO and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must pay workers in that classification at least the wage rate determined through the conformance process set forth in 29 CFR 5.5(a)(1)(ii) (or the EO minimum wage rate, if it is higher than the conformed wage rate). The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at [www.dol.gov/whd/govcontracts](http://www.dol.gov/whd/govcontracts).

Modification Number	Publication Date
0	01/01/2021

SUMS2010-030 08/04/2014

	Rates	Fringes
CARPENTER (Form Work Only).....	\$ 14.13	0.00
CARPENTER, Excludes Form Work....	\$ 13.49	0.00
CEMENT MASON/CONCRETE FINISHER...	\$ 13.70	0.00
ELECTRICIAN.....	\$ 21.80	7.93
HIGHWAY/PARKING LOT STRIPING:		
Truck Driver (Line Striping		
Truck).....	\$ 16.79	0.00

INSTALLER - GUARDRAIL.....	\$ 11.51	0.00
IRONWORKER, REINFORCING.....	\$ 14.82	0.00
LABORER: Asphalt, Includes Raker, Shoveler, Spreader and Distributor.....	\$ 10.39	0.00
LABORER: Common or General.....	\$ 9.25	0.00
LABORER: Concrete Worker.....	\$ 10.69	0.00
LABORER: Flagger.....	\$ 9.76	0.00
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END OF GENERAL DECISION

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INSTALLER - GUARDRAIL.....	\$ 11.51	0.00
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OPERATOR: Roller (All Types)....	\$ 11.43	0.00
OPERATOR: Scraper.....	\$ 13.15	0.00
OPERATOR: Tractor.....	\$ 11.25	0.00
OPERATOR: Trencher.....	\$ 15.00	1820.00

TRUCK DRIVER: Flatbed Truck.....	\$ 13.79	0.00
TRUCK DRIVER: Lowboy Truck.....	\$ 13.30	0.00
TRUCK DRIVER: Mechanic.....	\$ 14.23	0.00
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Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

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A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

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1.) Has there been an initial decision in the matter? This can be:

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END OF GENERAL DECISION

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LABORER: Common or General.....	\$ 10.11	0.00
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#### WAGE DETERMINATION APPEALS PROCESS

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\* an existing published wage determination **189**

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OPERATOR: Tractor.....	\$ 11.25	0.00
OPERATOR: Trencher.....	\$ 15.00	1920.00

TRUCK DRIVER: Flatbed Truck.....	\$ 13.79	0.00
TRUCK DRIVER: Lowboy Truck.....	\$ 13.30	0.00
TRUCK DRIVER: Mechanic.....	\$ 14.23	0.00
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Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

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The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of ""identifiers"" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than ""SU"" or ""UAVG"" denotes that the union classification and rate were

prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

#### Survey Rate Identifiers

Classifications listed under the ""SU"" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

#### Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

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#### WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter

\* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
Wage and Hour Division  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

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**SUPPLEMENT TO FORM FHWA-1273**

**DATE:** 12/17/2018

**SUBJECT:** **Federal Contract Provisions for Subcontracts and Cargo Preference Act**

**Federal Contract Provisions for Subcontracts**

All subcontracts shall be in writing and contain all pertinent provisions and requirements of the prime contract.

Each “Request for Permission to Subcontract” (Mississippi Department of Transportation Form CAD-720) shall include a copy of the subcontract. The federal contract provisions (FHWA-1273, SUPPLEMENT TO FORM FHWA-1273, NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY (EXECUTIVE ORDER 11246), DAVIS-BACON AND RELATED ACT PROVISIONS (WAGE RATES)) must be physically incorporated as part of the subcontract. A completed Mississippi Department of Transportation Form CAD-521 and Form CAD-725 must be attached to the CAD-720.

**Cargo Preference Act**

The Contractor is hereby advised of the requirements set forth in the following Attachment (Title 46 - Shipping) as it pertains to the implementation of Cargo Preference Act (CPA) requirements in the Federal-aid Highway Program.

By signing this contract, the Contractor agrees to conform to the requirements of the CPA.

## Attachment

### Title 46- Shipping

Volume: 8

Date: 2014-10-01

Original Date: 2014-10-01

Title: Section 381.7 - Federal Grant, Guaranty, Loan and Advance at Funds Agreements.

Context: Title 46- Shipping. CHAPTER II- MARITIME ADMINISTRATION, DEPARTMENT OF TRANSPORTATION. SUBCHAPTER J - MISCELLANEOUS. PART 381 - CARGO PREFERENCE-U.S.- FLAG VESSELS.

#### **§ 381.7 Federal Grant, Guaranty, Loan and Advance of Funds Agreements.**

In order to insure a fair and reasonable participation by privately owned United States-flag commercial vessels in transporting cargoes which are subject to the Cargo Preference Act of 1954 and which are generated by U.S. Government Grant, Guaranty, Loan and/or Advance of Funds Programs, the head of each affected department or agency shall require appropriate clauses to be inserted in those Grant, Guaranty, Loan and/or Advance of Funds Agreements and all third party contracts executed between the borrower/grantee and other parties, where the possibility exists for ocean transportation of items procured, contracted for or otherwise obtained by or on behalf of the grantee, borrower, or any of their contractors or subcontractors. The clauses required by this part shall provide that at least 50 percent of the freight revenue and tonnage of cargo generated by the U.S. Government Grant, Guaranty, Loan or Advance of Funds be transported on privately owned United States-flag commercial vessels. These clauses shall also require that all parties provide to the Maritime Administration the necessary shipment information as set forth in § 381.3. A copy of the appropriate clauses required by this part shall be submitted by each affected agency or department to the Secretary, Maritime Administration, for approval no later than 30 days after the effective date of this part. The following are suggested acceptable clauses with respect to the use of United States-flag vessels to be incorporated in the Grant, Guaranty, Loan and/or Advance of Funds Agreements as well as contracts and subcontracts resulting therefrom:

(a) *Agreement Clauses.* "Use of United States-flag vessels:

"(1) Pursuant to Pub. L 664 (43 U.S.C. 1241(b)) at least 50 percent of any equipment, materials or commodities procured, contracted for or otherwise obtained with funds granted, guaranteed, loaned, or advanced by the U.S. Government under this agreement, and which may be transported by ocean vessel, shall be transported on privately owned United States-flag commercial vessels, if available.

"(2) Within 20 days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, 'on-board' commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph (a)(1) of this section shall be furnished to both the Contracting Officer (through the prime contractor in the case of subcontractor bills-of-lading) and to the Division of National Cargo, Office of Market Development, Maritime Administration, Washington, DC 20590."

(b) *Contractor and Subcontractor Clauses.* "Use of United States-flag vessels: The contractor agrees --

"(1) To utilize privately owned United States-flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to this contract, to the extent such vessels are available at fair and reasonable rates for United States-flag commercial vessels.

"(2) To furnish within 20 days following the date of loading for shipments originating within the United

States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, 'on-board' commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph (b) (1) of this section to both the Contracting Officer (through the prime contractor in the case of subcontractor bills-of-lading) and to the Division of National Cargo, Office of Market Development, Maritime Administration, Washington, DC 20590.

"(3) To insert the substance of the provisions of this clause in all subcontracts issued pursuant to this contract."

(Reorganization Plans No.21 of 1950(64 Stat. 1273) and No. 7 of 1961 (75 Stat. 840) as amended by Pub. L 91.469 (84 Stat 1036) and Department of Commerce Organization Order 10-8 (38 FR 19707, July 23, 1973)) (42 FR 57126, Nov. 1, 1977]



**REQUIRED CONTRACT PROVISIONS  
FEDERAL-AID CONSTRUCTION CONTRACTS**

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- I. General
- II. Nondiscrimination
- III. Nonsegregated Facilities
- IV. Davis-Bacon and Related Act Provisions
- V. Contract Work Hours and Safety Standards Act Provisions
- VI. Subletting or Assigning the Contract
- VII. Safety: Accident Prevention
- VIII. False Statements Concerning Highway Projects
- IX. Implementation of Clean Air Act and Federal Water Pollution Control Act
- X. Compliance with Governmentwide Suspension and Debarment Requirements
- XI. Certification Regarding Use of Contract Funds for Lobbying

3. A breach of any of the stipulations contained in these Required Contract Provisions may be sufficient grounds for withholding of progress payments, withholding of final payment, termination of the contract, suspension / debarment or any other action determined to be appropriate by the contracting agency and FHWA.

4. Selection of Labor: During the performance of this contract, the contractor shall not use convict labor for any purpose within the limits of a construction project on a Federal-aid highway unless it is labor performed by convicts who are on parole, supervised release, or probation. The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collectors.

#### ATTACHMENTS

A. Employment and Materials Preference for Appalachian Development Highway System or Appalachian Local Access Road Contracts (included in Appalachian contracts only)

#### I. GENERAL

1. Form FHWA-1273 must be physically incorporated in each construction contract funded under Title 23 (excluding emergency contracts solely intended for debris removal). The contractor (or subcontractor) must insert this form in each subcontract and further require its inclusion in all lower tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services).

The applicable requirements of Form FHWA-1273 are incorporated by reference for work done under any purchase order, rental agreement or agreement for other services. The prime contractor shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Form FHWA-1273 must be included in all Federal-aid design-build contracts, in all subcontracts and in lower tier subcontracts (excluding subcontracts for design services, purchase orders, rental agreements and other agreements for supplies or services). The design-builder shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Contracting agencies may reference Form FHWA-1273 in bid proposal or request for proposal documents, however, the Form FHWA-1273 must be physically incorporated (not referenced) in all contracts, subcontracts and lower-tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services related to a construction contract).

2. Subject to the applicability criteria noted in the following sections, these contract provisions shall apply to all work performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract.

#### II. NONDISCRIMINATION

The provisions of this section related to 23 CFR Part 230 are applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more. The provisions of 23 CFR Part 230 are not applicable to material supply, engineering, or architectural service contracts.

In addition, the contractor and all subcontractors must comply with the following policies: Executive Order 11246, 41 CFR 60, 29 CFR 1625-1627, Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The contractor and all subcontractors must comply with: the requirements of the Equal Opportunity Clause in 41 CFR 60-1.4(b) and, for all construction contracts exceeding \$10,000, the Standard Federal Equal Employment Opportunity Construction Contract Specifications in 41 CFR 60-4.3.

Note: The U.S. Department of Labor has exclusive authority to determine compliance with Executive Order 11246 and the policies of the Secretary of Labor including 41 CFR 60, and 29 CFR 1625-1627. The contracting agency and the FHWA have the authority and the responsibility to ensure compliance with Title 23 USC Section 140, the Rehabilitation Act of 1973, as amended (29 USC 794), and Title VI of the Civil Rights Act of 1964, as amended, and related regulations including 49 CFR Parts 21, 26 and 27; and 23 CFR Parts 200, 230, and 633.

The following provision is adopted from 23 CFR 230, Appendix A, with appropriate revisions to conform to the U.S. Department of Labor (US DOL) and FHWA requirements.

**1. Equal Employment Opportunity:** Equal employment opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (28 CFR 35, 29 CFR 1630, 29 CFR 1625-1627, 41 CFR 60 and 49 CFR 27) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140 shall constitute the EEO and specific affirmative action standards for the contractor's project activities under

this contract. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR 35 and 29 CFR 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

a. The contractor will work with the contracting agency and the Federal Government to ensure that it has made every good faith effort to provide equal opportunity with respect to all of its terms and conditions of employment and in their review of activities under the contract.

b. The contractor will accept as its operating policy the following statement:

"It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, color, national origin, age or disability. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, pre-apprenticeship, and/or on-the-job training."

**2. EEO Officer:** The contractor will designate and make known to the contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active EEO program and who must be assigned adequate authority and responsibility to do so.

**3. Dissemination of Policy:** All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action, or who are substantially involved in such action, will be made fully cognizant of, and will implement, the contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:

a. Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer.

b. All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all major aspects of the contractor's EEO obligations within thirty days following their reporting for duty with the contractor.

c. All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the contractor's procedures for locating and hiring minorities and women.

d. Notices and posters setting forth the contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.

e. The contractor's EEO policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

**4. Recruitment:** When advertising for employees, the contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements will be placed in publications having a large circulation among minorities and women in the area from which the project work force would normally be derived.

a. The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minorities and women. To meet this requirement, the contractor will identify sources of potential minority group employees, and establish with such identified sources procedures whereby minority and women applicants may be referred to the contractor for employment consideration.

b. In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, the contractor is expected to observe the provisions of that agreement to the extent that the system meets the contractor's compliance with EEO contract provisions. Where implementation of such an agreement has the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Federal nondiscrimination provisions.

c. The contractor will encourage its present employees to refer minorities and women as applicants for employment. Information and procedures with regard to referring such applicants will be discussed with employees.

**5. Personnel Actions:** Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, national origin, age or disability. The following procedures shall be followed:

a. The contractor will conduct periodic inspections of project sites to insure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.

b. The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.

c. The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.

d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with its obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of their avenues of appeal.

**6. Training and Promotion:**

a. The contractor will assist in locating, qualifying, and increasing the skills of minorities and women who are

applicants for employment or current employees. Such efforts should be aimed at developing full journey level status employees in the type of trade or job classification involved.

b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor shall make full use of training programs, i.e., apprenticeship, and on-the-job training programs for the geographical area of contract performance. In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision. The contracting agency may reserve training positions for persons who receive welfare assistance in accordance with 23 U.S.C. 140(a).

c. The contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.

d. The contractor will periodically review the training and promotion potential of employees who are minorities and women and will encourage eligible employees to apply for such training and promotion.

**7. Unions:** If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use good faith efforts to obtain the cooperation of such unions to increase opportunities for minorities and women. Actions by the contractor, either directly or through a contractor's association acting as agent, will include the procedures set forth below:

a. The contractor will use good faith efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minorities and women for membership in the unions and increasing the skills of minorities and women so that they may qualify for higher paying employment.

b. The contractor will use good faith efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, national origin, age or disability.

c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the contracting agency and shall set forth what efforts have been made to obtain such information.

d. In the event the union is unable to provide the contractor with a reasonable flow of referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, national origin, age or disability; making full efforts to obtain qualified and/or qualifiable minorities and women. The failure of a union to provide sufficient referrals (even though it is obligated to provide exclusive referrals under the terms of a collective bargaining agreement) does not relieve the contractor from the requirements of this paragraph. In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the contracting agency.

**8. Reasonable Accommodation for Applicants / Employees with Disabilities:** The contractor must be familiar

with the requirements for and comply with the Americans with Disabilities Act and all rules and regulations established there under. Employers must provide reasonable accommodation in all employment activities unless to do so would cause an undue hardship.

**9. Selection of Subcontractors, Procurement of Materials and Leasing of Equipment:** The contractor shall not discriminate on the grounds of race, color, religion, sex, national origin, age or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The contractor shall take all necessary and reasonable steps to ensure nondiscrimination in the administration of this contract.

a. The contractor shall notify all potential subcontractors and suppliers and lessors of their EEO obligations under this contract.

b. The contractor will use good faith efforts to ensure subcontractor compliance with their EEO obligations.

**10. Assurance Required by 49 CFR 26.13(b):**

a. The requirements of 49 CFR Part 26 and the State DOT's U.S. DOT-approved DBE program are incorporated by reference.

b. The contractor or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the contracting agency deems appropriate.

**11. Records and Reports:** The contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three years following the date of the final payment to the contractor for all contract work and shall be available at reasonable times and places for inspection by authorized representatives of the contracting agency and the FHWA.

a. The records kept by the contractor shall document the following:

(1) The number and work hours of minority and non-minority group members and women employed in each work classification on the project;

(2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and women; and

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minorities and women;

b. The contractors and subcontractors will submit an annual report to the contracting agency each July for the duration of the project, indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on [Form FHWA-1391](#). The staffing data should represent the project work force on board in all or any part of the last payroll period preceding the end of July. If on-the-job training is being required by special provision, the contractor

will be required to collect and report training data. The employment data should reflect the work force on board during all or any part of the last payroll period preceding the end of July.

### III. NONSEGREGATED FACILITIES

This provision is applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more.

The contractor must ensure that facilities provided for employees are provided in such a manner that segregation on the basis of race, color, religion, sex, or national origin cannot result. The contractor may neither require such segregated use by written or oral policies nor tolerate such use by employee custom. The contractor's obligation extends further to ensure that its employees are not assigned to perform their services at any location, under the contractor's control, where the facilities are segregated. The term "facilities" includes waiting rooms, work areas, restaurants and other eating areas, time clocks, restrooms, washrooms, locker rooms, and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing provided for employees. The contractor shall provide separate or single-user restrooms and necessary dressing or sleeping areas to assure privacy between sexes.

### IV. DAVIS-BACON AND RELATED ACT PROVISIONS

This section is applicable to all Federal-aid construction projects exceeding \$2,000 and to all related subcontracts and lower-tier subcontracts (regardless of subcontract size). The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. Contracting agencies may elect to apply these requirements to other projects.

The following provisions are from the U.S. Department of Labor regulations in 29 CFR 5.5 "Contract provisions and related matters" with minor revisions to conform to the FHWA-1273 format and FHWA program requirements.

#### 1. Minimum wages

a. All laborers and mechanics employed or working upon the site of the work, will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics.

Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages

paid to such laborers or mechanics, subject to the provisions of paragraph 1.d. of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in 29 CFR 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph 1.b. of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

b. (1) The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

(i) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(ii) The classification is utilized in the area by the construction industry; and

(iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(2) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(3) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Wage and Hour Administrator for determination. The Wage and Hour Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise

the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(4) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs 1.b.(2) or 1.b.(3) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

c. Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

d. If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, Provided, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

## 2. Withholding

The contracting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor under this contract, or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the contract, the contracting agency may, after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

## 3. Payrolls and basic records

a. Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-

Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

b. (1) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the contracting agency. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at <http://www.dol.gov/esa/whd/forms/wh347instr.htm> or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the contracting agency for transmission to the State DOT, the FHWA or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the contracting agency..

(2) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(i) That the payroll for the payroll period contains the information required to be provided under §5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under §5.5 (a)(3)(i) of Regulations, 29 CFR part 5, and that such information is correct and complete;

(ii) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;

(iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(3) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 3.b.(2) of this section.

(4) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.

c. The contractor or subcontractor shall make the records required under paragraph 3.a. of this section available for inspection, copying, or transcription by authorized representatives of the contracting agency, the State DOT, the FHWA, or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the FHWA may, after written notice to the contractor, the contracting agency or the State DOT, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

#### 4. Apprentices and trainees

##### a. Apprentices (programs of the USDOL).

Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice.

The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed.

Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly

rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination.

In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

##### b. Trainees (programs of the USDOL).

Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration.

The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration.

Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed.

In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

c. Equal employment opportunity. The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

d. Apprentices and Trainees (programs of the U.S. DOT).

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeymen shall not be greater than permitted by the terms of the particular program.

**5. Compliance with Copeland Act requirements.** The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract.

**6. Subcontracts.** The contractor or subcontractor shall insert Form FHWA-1273 in any subcontracts and also require the subcontractors to include Form FHWA-1273 in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.

**7. Contract termination: debarment.** A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

**8. Compliance with Davis-Bacon and Related Act requirements.** All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract.

**9. Disputes concerning labor standards.** Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

**10. Certification of eligibility.**

a. By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

b. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

c. The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

**V. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT**

The following clauses apply to any Federal-aid construction contract in an amount in excess of \$100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by 29 CFR 5.5(a) or 29 CFR 4.6. As used in this paragraph, the terms laborers and mechanics include watchmen and guards.

**1. Overtime requirements.** No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

**2. Violation; liability for unpaid wages; liquidated damages.** In the event of any violation of the clause set forth in paragraph (1.) of this section, the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (1.) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (1.) of this section.

**3. Withholding for unpaid wages and liquidated damages.** The FHWA or the contacting agency shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (2.) of this section.

**4. Subcontracts.** The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (1.) through (4.) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (1.) through (4.) of this section.

## VI. SUBLETTING OR ASSIGNING THE CONTRACT

This provision is applicable to all Federal-aid construction contracts on the National Highway System.

1. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the contracting agency. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 635.116).

a. The term "perform work with its own organization" refers to workers employed or leased by the prime contractor, and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor or lower tier subcontractor, agents of the prime contractor, or any other assignees. The term may include payments for the costs of hiring leased employees from an employee leasing firm meeting all relevant Federal and State regulatory requirements. Leased employees may only be included in this term if the prime contractor meets all of the following conditions:

(1) the prime contractor maintains control over the supervision of the day-to-day activities of the leased employees;

(2) the prime contractor remains responsible for the quality of the work of the leased employees;

(3) the prime contractor retains all power to accept or exclude individual employees from work on the project; and

(4) the prime contractor remains ultimately responsible for the payment of predetermined minimum wages, the submission of payrolls, statements of compliance and all other Federal regulatory requirements.

b. "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid or propose on the contract as a whole and in general are to be limited to minor components of the overall contract.

2. The contract amount upon which the requirements set forth in paragraph (1) of Section VI is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3. The contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the contracting officer determines is necessary to assure the performance of the contract.

4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the

contracting agency has assured that each subcontract is evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract.

5. The 30% self-performance requirement of paragraph (1) is not applicable to design-build contracts; however, contracting agencies may establish their own self-performance requirements.

## VII. SAFETY: ACCIDENT PREVENTION

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract.

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and health standards (29 CFR 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704).

3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C.3704).

## VIII. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, Form FHWA-1022 shall be posted on each Federal-aid highway project (23 CFR 635) in one or more places where it is readily available to all persons concerned with the project:

18 U.S.C. 1020 reads as follows:



"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 1, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined under this title or imprisoned not more than 5 years or both."

#### **IX. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT**

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

By submission of this bid/proposal or the execution of this contract, or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, or subcontractor, as appropriate, will be deemed to have stipulated as follows:

1. That any person who is or will be utilized in the performance of this contract is not prohibited from receiving an award due to a violation of Section 508 of the Clean Water Act or Section 306 of the Clean Air Act.

2. That the contractor agrees to include or cause to be included the requirements of paragraph (1) of this Section X in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements.

#### **X. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION**

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, consultant contracts or any other covered transaction requiring FHWA approval or that is estimated to cost \$25,000 or more – as defined in 2 CFR Parts 180 and 1200.

##### **1. Instructions for Certification – First Tier Participants:**

a. By signing and submitting this proposal, the prospective first tier participant is providing the certification set out below.

b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this

covered transaction. The prospective first tier participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective first tier participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction.

c. The certification in this clause is a material representation of fact upon which reliance was placed when the contracting agency determined to enter into this transaction. If it is later determined that the prospective participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the contracting agency may terminate this transaction for cause of default.

d. The prospective first tier participant shall provide immediate written notice to the contracting agency to whom this proposal is submitted if any time the prospective first tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contractor). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

f. The prospective first tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction.

g. The prospective first tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions," provided by the department or contracting agency, entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (<https://www.epls.gov/>), which is compiled by the General Services Administration.

i. Nothing contained in the foregoing shall be construed to require the establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of the prospective participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

j. Except for transactions authorized under paragraph (f) of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.

\* \* \* \* \*

## **2. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – First Tier Participants:**

a. The prospective first tier participant certifies to the best of its knowledge and belief, that it and its principals:

(1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency;

(2) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

(3) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (a)(2) of this certification; and

(4) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

b. Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

### **2. Instructions for Certification - Lower Tier Participants:**

(Applicable to all subcontracts, purchase orders and other lower tier transactions requiring prior FHWA approval or estimated to cost \$25,000 or more - 2 CFR Parts 180 and 1200)

a. By signing and submitting this proposal, the prospective lower tier is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which

this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180 and 1200. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations. "First Tier Covered Transactions" refers to any covered transaction between a grantee or subgrantee of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a grantee or subgrantee of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the Excluded Parties List System website (<https://www.epls.gov/>), which is compiled by the General Services Administration.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the

department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

\* \* \* \* \*

**Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Participants:**

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency.

2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

\* \* \* \* \*

**XI. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING**

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts which exceed \$100,000 (49 CFR 20).

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

3. The prospective participant also agrees by submitting its bid or proposal that the participant shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such recipients shall certify and disclose accordingly.

**NOTICE OF REQUIREMENTS FOR AFFIRMATIVE  
ACTION TO ENSURE EQUAL EMPLOYMENT  
OPPORTUNITY (EXECUTIVE ORDER 11246)**

1. The Offeror’s or Bidder’s attention is called to the “Equal Opportunity Clause” and the “Standard Federal Equal Employment Opportunity Construction Contract Specifications” set forth herein.

2. The goal for female participation, expressed in percentage terms for the Contractor’s aggregate workforce in each trade on all construction work, is 6.9%.

Until further notice	Goals for minority participation for each trade (percent)
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SHSA Cities:	
Pascagoula - Moss Point -----	16.9
Biloxi - Gulfport -----	19.2
Jackson -----	30.3

SMSA Counties:	
Desoto -----	32.3
Hancock, Harrison, Stone-----	19.2
Hinds, Rankin -----	30.3
Jackson -----	16.9

Non-SMSA Counties:	
George, Greene-----	26.4

Alcorn, Benton, Bolivar, Calhoun, Carroll, Chickasaw, Clay, Coahoma, Grenada, Itawamba, Lafayette, Lee, Leflore, Marshall, Monroe, Montgomery, Panola, Pontotoc, Prentiss, Quitman, Sunflower, Tallahatchie, Tate, Tippah, Tishomingo, Tunica, Union, Washington, Webster, Yalobusha -----	26.5
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Attala, Choctaw, Claiborne, Clarke, Copiah, Covington, Franklin, Holmes, Humphreys, Issaquena, Jasper, Jefferson, Jefferson Davis, Jones Kemper, Lauderdale, Lawrence, Leake, Lincoln, Lowndes, Madison, Neshoba, Newton, Noxubee, Oktibbeha, Scott, Sharkey, Simpson, Smith, Warren, Wayne, Winston, Yazoo-----	32.0
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Forrest, Lamar, Marion, Pearl River, Perry, Pike, Walthall-----	27.7
---	------

Adams, Amite, Wilkinson -----	30.4
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These goals are applicable to all the Contractor’s construction work (whether or not it is Federal or federally assisted) performed in the covered area. If the contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and nonfederally involved construction.

The Contractor’s compliance with the Executive Order and the regulations in 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the Contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor’s goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR Part 60-4.2(d). Compliance with the goals will be measured against the total work hours performed.

3. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within 10 working days of award of any construction subcontract in excess of \$10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the subcontractor, employer identification number of the subcontractor, estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the subcontract is to be performed.

4. As used in this Notice, and in the contract resulting from this solicitation, the “covered area” is to the county and city (if any), stated in the advertisement.

5. The notification required in Paragraph 3 shall be addressed to the following:

Contract Compliance Officer  
Mississippi Department of Transportation  
P.O. Box 1850  
Jackson, Mississippi 39215-1850

(12/04/2018)

## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-102-2

CODE: (IS)

DATE: 11/22/2017

SUBJECT: **Bidding Requirements and Conditions**

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

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

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

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

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

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SPECIAL PROVISION NO. 907-105-1**

**CODE: (SP)**

**DATE: 05/07/2021**

**SUBJECT: Authority of the Engineer**

Section 105, Control of Work, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

**907-105.1--Authority of the Engineer.** Delete the first sentence of the second paragraph of Subsection 105.01 on page 31, and substitute the following.

The Engineer has the right to suspend the work wholly or in part and to withhold payments because of the Contractor's failure to correct conditions unsafe for workmen or the general public, for failure to carry out provisions of the Contract, or for failure to carry out orders.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SPECIAL PROVISION NO. 907-108-4**

**CODE: (SP)**

**DATE: 10/07/2020**

**SUBJECT: Subletting of Contract**

Section 108, Prosecution and Progress, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

**907-108.01--Subletting of Contract.**

**907-108.01.1--General.** Delete the third sentence of the tenth paragraph of Subsection 108.01.1 on the bottom of page 72.

## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-109-3

CODE: (SP)

DATE: 02/23/2021

SUBJECT: Measurement and Payment

Section 109, Measurement and Payment, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

**907-109.01--Measurement of Quantities.** Delete the sixth full paragraph of Subsection 109.01 on page 88, and substitute the following.

If appropriate based on the specific circumstances of the project, the Contractor may request that material specified to be measured by the cubic yard or ton be converted to the other measure. The Contractor must submit this request to the Engineer. The Engineer will provide an approval or denial in writing. The decision is in the sole discretion of the Engineer. If approved, factors for this conversion will be determined by the District Materials Engineer and agreed to by the Contractor. The conversion of the materials along with the conversion factor will be incorporated into the Contract by supplemental agreement. The supplemental agreement must be executed before such method of measurement is used.

**907-109.04--Extra Work.**

**907-109.04.1--Supplemental Agreement.** Delete the second paragraph of Subsection 109.04.1 on page 90.

**907-109.06--Partial Payment.**

**907-109.06.2--Advancement on Materials.** Delete the next to last paragraph of Subsection 109.06.2 on page 95, and substitute the following.

Materials for which an advanced payment has been allowed must be paid for by the Contractor within 30 days of the estimate on which the advanced payment was first allowed and proof of said payment must be verified by the supplier. If proof of payment is not furnished within the allowable 30 days, the advanced payment will be deducted on subsequent current estimates until such time that proof of payment is furnished.



# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-701-3

CODE: (SP)

DATE: 05/04/2021

SUBJECT: Hydraulic Cement

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

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

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

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

**907-701.02.1-General.**

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

When used in portland cement concrete, the total alkali contribution from all cement types in this Subsection shall not exceed 4.0 lb. per cubic yard of concrete calculated as follows:

$$\text{lb alkali per cu Yd} = \frac{(\text{lb cement per cu Yd}) \times (\% \text{Na}_2\text{O equivalent in cement})}{100}$$

In the above calculation, the maximum cement alkali content reported on the cement mill certificate shall be used. An example calculation can be found in the Department’s *Concrete Field Manual*.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

The blended cement manufacturer shall include the percent equivalent alkalis as Na<sub>2</sub>O on their cement mill reports.

When calculating the total alkali contribution with blended cements, use the equivalent alkali content of the base portland cement. An example calculation for cases where blended cements are used can be found in the Department’s *Concrete Field Manual*.

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

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

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

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

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

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

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

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

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

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

Delete Subsection 701.04.3 on page 721.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

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

**CODE: (IS)**

**DATE: 09/11/2018**

**SUBJECT: Bituminous Materials**

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

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

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

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

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

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

**TABLE V  
SPECIFICATION FOR FOG SEAL**

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

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

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

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

**CODE: (IS)**

**DATE: 06/13/2018**

**SUBJECT: Gradation**

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

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

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

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

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

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

**CODE: (IS)**

**DATE: 06/13/2018**

**SUBJECT: Stone Riprap**

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

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

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

## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-707-2

CODE: (IS)

DATE: 06/05/2019

SUBJECT: Joint Materials

Section 707, Joint Materials, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

**907-707.02.3--Wood.** Delete paragraph (b) of Subsection 707.02.3 on page 755, and substitute the following:

- (b) Dimensions shall be as shown on the plans. Dimensions shown on the plans are “dressed” sizes in accordance with Table 3 of the American Softwood Lumber Standard, SP-20. At the discretion of the Engineer, a 3/4-inch dressed board may be used in lieu of a 1-inch dressed board. A tolerance of plus or minus 1/16 inch thickness and plus or minus 1/8 inch width will be permitted. For slip-form paving a tolerance of minus 1/4 inch on each end in length will be permitted.

**907-707.06--Flexible Plastic Gasket for Joining Conduit.** Delete the third paragraph of Subsection 707.06 on page 756, and substitute the following.

The Department may require the performance test described in ASTM C 990.



**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

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

**CODE: (IS)**

**DATE: 09/11/2018**

**SUBJECT: Plain Steel Wire**

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

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

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

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

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

## MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-714-2

CODE: (SP)

DATE: 06/29/2021

SUBJECT: Miscellaneous Materials

Section 714, Miscellaneous Materials, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

### 907-714.01--Water.

907-714.01.1--General. Delete the last sentence of the second paragraph in Subsection 714.01.1 on page 794.

907-714.01.2--Water for Use in Concrete. Delete Subsection 714.01.2 on page 794, and substitute the following:

Water from municipal sources is permitted be used as mixing water in concrete, mortar, and grout without Department testing. Water from non-municipal water sources used in mixing of concrete, mortar, and grout which does not meet the requirements in Subsection 714.01.1 shall be tested for conformance as required in AASHTO M157, Table 1 and Table 2.

907-714.01.3--Water for Use in Chemically Stabilized Based. Delete the first sentence of first paragraph in Subsection 714.01.3 on page 794, and substitute the following:

Water used in the construction of bases that contain cement, lime, or other chemical additive shall be as set out in Subsection 714.01.1. Water from municipal sources is permitted to be used without testing for conformance to the requirements below. If water is not from a municipal source, it shall not contain impurities in excess of the following limits:

Delete Subsection 714.01.6 on page 795, and substitute the following.

### 907-714.01.6--Blank.

### 907-714.13--Geotextiles.

907-714.13.11--Tables. Delete Table 1 in Subsection 714.13.11 on page 813, and substitute the following.

**Table 1 - Geotextiles**

Type Designation	I <sup>1</sup>	II <sup>1</sup>	III	IV	V		VI		VII		VIII	IX
					Separation & Drainage	Separation, Stabilization & Reinforcement	Woven	Non-Woven	Woven	Non-Woven		
<b>Physical Property<sup>2</sup></b>												
Grab Strength (lb)	50	90	110	90	200	280	180	450	280	280	---	ASTM D 4632
Elongation (%)	----	50% max @ 45 lb	20% min	50% min @ break	50% min	50% max	50% min	50% max	50% min	50% min	---	ASTM D 4632
Seam Strength (lb)	----	----	70	----	180	240	160	400	240	240	---	ASTM D 4632
Puncture Strength (lb)	----	----	40	----	80	110	75	180	115	115	---	ASTM D 6241
Trapezoidal Tear (lb)	----	----	40	----	80	100	70	150	100	100	---	ASTM D 4533
Asphalt Retention (gal/yd <sup>2</sup> )	----	----	----	0.2	----	----	----	----	----	----	---	ASTM D 6140
Permittivity (sec <sup>-1</sup> ) min	0.05	0.05	0.5	----	0.2	0.2	0.2	0.2	0.2	0.2	---	ASTM D 4491
AOS Woven (mm) max	0.60	0.60	0.6	----	0.6	0.43	----	0.43	----	----	---	ASTM D 4751
AOS Non-Woven (mm) max	0.84	0.84	0.43	----	0.43	----	0.43	----	0.43	0.43	---	----
Tensile Strength after UV (% Retained)	70% @ 500 hr	70% @ 500 hr	50% @ 500 hr	----	50% @ 500 hr	50% @ 500 hr	50% @ 500 hr	50% @ 500 hr	50% @ 500 hr	50% @ 500 hr	---	ASTM D 4355
Melting Point °(F)	----	----	----	325	----	----	----	----	----	----	---	ASTM D 276
Minimum Ultimate Tensile Strength <sup>3</sup> (lb/in)	----	----	----	----	----	----	----	----	----	660	2000	ASTM D 4595

Notes: 1 - All property values, with the exception of apparent opening size (AOS), represent minimum average roll values in the weakest principal direction. Values for AOS represent the maximum average roll values, 2 - Values not identified in this table should meet manufacturer certification for the use and application, 3- Machine direction

Delete Subsection 714.15 on pages 816 and 817 and substitute the following.

**907-714.15--Geogrids.**

**907-714.15.1--General.** A geogrid is defined as a geosynthetic formed by a regular network of connected elements with apertures greater than 0.25 inch to allow interlocking with surrounding soil, rock, and other surrounding materials to function primarily as reinforcement.

Geogrid shall be manufactured from an expanded strain hardened monolithic polymer sheet composed of one or more synthetic polymers and shall be mildew resistant and inert to biological degradation and naturally encountered chemicals, alkalis and acids. The geogrid shall contain stabilizers and/or inhibitors, or a resistance finish or covering to make it resistant to deterioration from direct sunlight, ultraviolet rays, and heat.

Geogrid manufacturers shall participate in and be in compliance with the American Association of State Highway Transportation Officials (AASHTO) National Transportation Product Evaluation Program's (NTPEP) Geosynthetics audit program. Geogrid shall meet the requirements of Table II for the application and type shown on the plans and shall be selected from the Department's Approved Lists.

**907-714.15.1.1--Geogrid for Retaining Walls and Reinforced Soil Slopes.** Geogrid for retaining walls and reinforced soil slopes shall be creep tested in accordance with AASHTO R69 and meet Long Term Design Load, Minimum Ultimate Tensile Strength, and open area criteria listed in Table II. Manufacturers shall perform at least one long-term creep test for no less than 10,000 hours in accordance to ASTM D 5262 for each polymer or composition of polymers from which the geogrid is produced. The long-term design load that shall be reported for design use, shall be that load at which no more than 10% strain occurs over a 100-year design life of the geogrid, as calculated in accordance with AASHTO R69. Long-term design loads shall be reported unfactored, and the AASHTO strength reduction factors (Durability and Installation, and safety factors) will be considered by the Department's Geotechnical Branch on a site specific design basis.

**907-714.15.1.2--Geogrid for Subgrade Stabilization.** Geogrid for subgrade stabilization shall meet Minimum Ultimate Tensile Strength and open area criteria listed in Table II.

**907-714.15.2--Marking, Shipment, and Storage.** Each roll or container of geogrid shall be visibly labeled with the name of the manufacturer, trade name of the product, lot number, and quantity of material. In addition, each roll or container shall be clearly tagged to show the type designation that corresponds to that required by the plans. During shipment and storage the geogrid shall be protected from direct sunlight, and temperatures above 120°F or below 0°F. The geogrid shall either be wrapped and maintained in a heavy duty protective covering or stored in a safe enclosed area to protect from damage during prolonged storage.

**907-714.15.3--Manufacturer Certification.** The Contractor shall furnish the Engineer three copies of the manufacturer's certified test reports indicating that the geogrid furnished conforms

to the requirements of the specifications and is of the same composition as the originally approved by the Department.

**907-714.15.4--Acceptance Sampling and Testing.** Final acceptance of each shipment will be based upon results of tests performed by the Department on verification samples submitted from the project, as compared to the manufacturer's certified test reports. The Engineer will select one roll or container at random from each shipment for sampling. A sample extending full width of the randomly selected roll or container and being at least five (5) square yards in area will be obtained and submitted by the Engineer. All material samples shall be provided at no cost to the State.

**TABLE II  
GEOGRIDS**

Physical Properties	Type Designation						Test Method
	I	II	III	IV	V	VI	
Long Term Design Load <sup>1</sup> , pounds per foot, Machine Direction	250	500	750	1500	2500	3500	AASHTO R69, ASTM D5262
Minimum Ultimate Tensile Strength <sup>2</sup> , pounds per foot, Machine Direction	500	1000	1500	3000	5000	7000	ASTM D6637
Open Area, percent	70	70	50	50	50	50	Direct Measurement

<sup>1</sup> Minimum design criteria requirement.

<sup>2</sup> Minimum Average Roll Value (MARV).

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

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

**CODE: (IS)**

**DATE: 09/11/2018**

**SUBJECT: Acceptance Procedure for Glass Beads**

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

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

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

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

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SPECIAL PROVISION NO. 907-721-2**

**CODE: (IS)**

**DATE: 01/08/2020**

**SUBJECT: Materials for Signing**

Section 721, Materials for Signing, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

**907-721.06--Reflective Sheeting.**

**907-721.06.2--Performance Requirements.** Delete Table 4 and Table 5 in Subsection 721.06.2 on pages 860 & 861, and substitute the following.

**MINIMUM COEFFICIENTS OF RETROREFLECTION  
Candela per foot candle per square foot (cd/ft<sup>2</sup>)  
Per ASTM Designation D4956**

**TABLE 4  
Type IX Sheeting**

Observation Angle	Entrance Angle	White	Yellow	Green	Red	Blue	Fluorescent Yellow/Green	Fluorescent Yellow	Fluorescent Orange
0.2°	-4.0°	380	285	38	76	17	300	230	115
0.2°	+30.0°	215	162	22	43	10	170	130	65
0.5°	-4.0°	240	180	24	48	11	190	145	72
0.5°	+30.0°	135	100	14	27	6.0	110	81	41
1.0°	-4.0°	80	60	8.0	16	3.6	64	48	24
1.0°	+30.0°	45	34	4.5	9.0	2.0	36	27	14

**TABLE 5  
Type XI Sheeting**

Observation Angle	Entrance Angle	White	Yellow	Green	Red	Blue	Brown	Fluorescent Yellow/Green	Fluorescent Yellow	Fluorescent Orange
0.2°	-4.0°	580	435	58	87	26	17	460	350	175
0.2°	+30.0°	220	165	22	33	10	7.0	180	130	66
0.5°	-4.0°	420	315	42	63	19	13	340	250	125
0.5°	+30.0°	150	110	15	23	7.0	5.0	120	90	45
1.0°	-4.0°	120	90	12	18	5.0	4.0	96	72	36
1.0°	+30.0°	45	34	5.0	7.0	2.0	1.0	36	27	14

# SECTION 905 - PROPOSAL

Date \_\_\_\_\_

Mississippi Transportation Commission  
Jackson, Mississippi

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

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

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

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

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

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

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

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

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

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

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

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



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

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

Respectfully Submitted,

DATE \_\_\_\_\_

\_\_\_\_\_  
Contractor

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

TITLE \_\_\_\_\_

ADDRESS \_\_\_\_\_

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

PHONE \_\_\_\_\_

FAX \_\_\_\_\_

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

(To be filled in if a corporation)

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

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

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

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

The following is my (our) itemized proposal.

Sign Replacements on various routes throughout the District, known as Federal Aid Project No. STBG-9999-01(401) / 108811301 in District 1.

Line no.	Item Code	Adj Code	Quantity	Units	Description[Fixed Unit Price]
<b>Roadway Items</b>					
0010	618-A001		1	Lump Sum	Maintenance of Traffic
0020	620-A001		1	Lump Sum	Mobilization
0030	630-A001		1,872	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness
0040	630-A003		2,960	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness
0050	630-A005		4,507	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.1" Thickness
0060	630-B002		58	Square Feet	Interstate Directional Signs, Bolted Extruded Aluminum Panels, Ground Mounted
0070	630-C001		2,818	Linear Feet	Square Tube Posts, 4.0 lb/ft
0080	630-C002		3,150	Linear Feet	Steel U-Section Posts, 2.0 lb/ft
0090	907-630-PP002		1,842	Square Feet	Roadside Directional Signs, Sheet Aluminum, 0.125" Thickness, Ground Mounted

SECTION 905 - COMBINATION BID PROPOSAL (Continued)

**CONDITIONS FOR COMBINATION BID**

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

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

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

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

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

\*\*\*\*\*

**COMBINATION BID PROPOSAL**

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

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

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

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

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

SECTION 905 - COMBINATION BID PROPOSAL (Continued)

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

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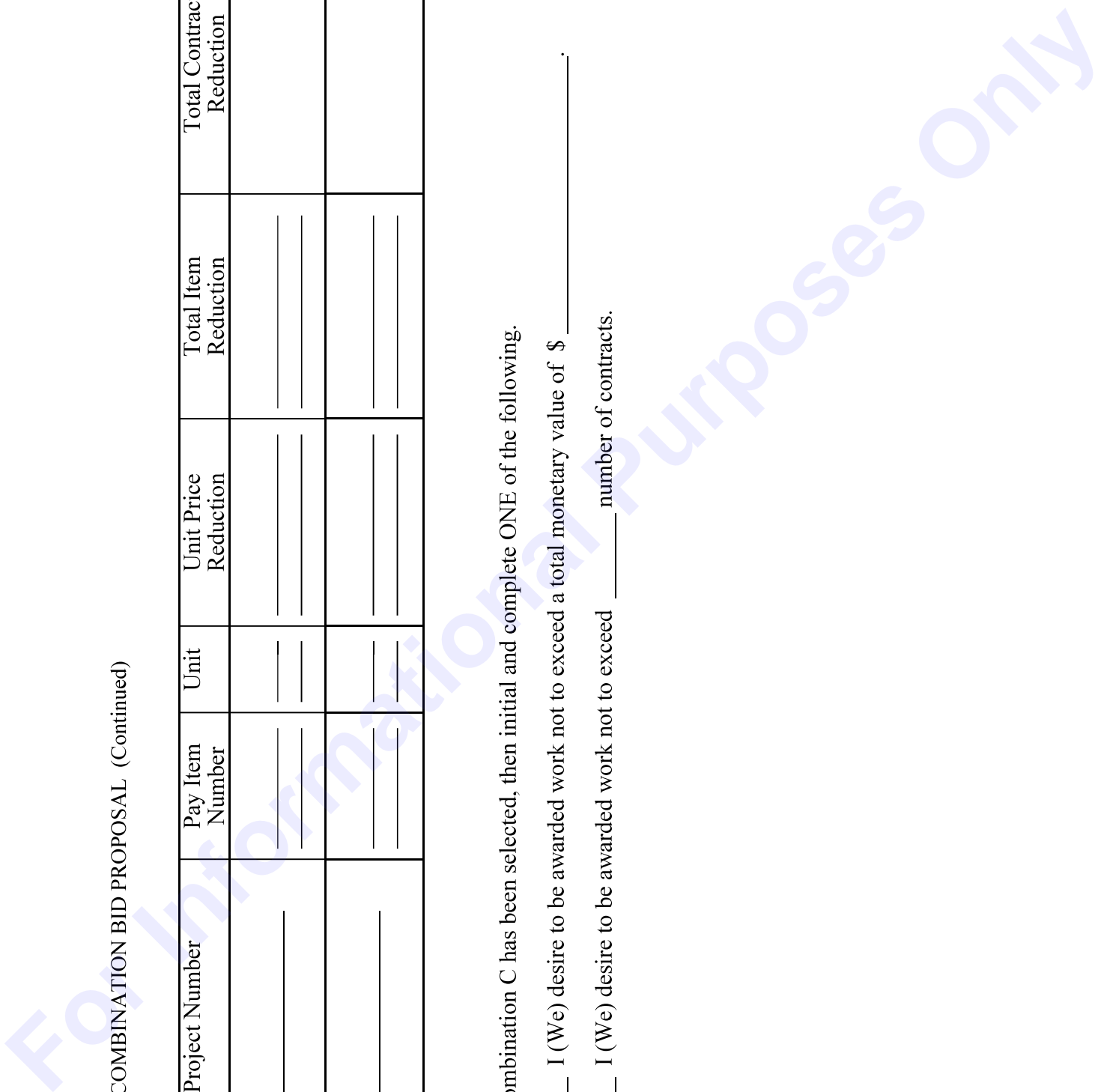
SECTION 905 - COMBINATION BID PROPOSAL (Continued)

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

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

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

\_\_\_\_\_ I (We) desire to be awarded work not to exceed \_\_\_\_\_ number of contracts.



**Certification with regard to the Performance of Previous  
Contracts or Subcontracts subject to the Equal Opportunity  
Clause and the filing of Required Reports**

The Bidder hereby certifies that he has \_\_\_\_\_, has not \_\_\_\_\_, participated in a previous contract or subcontract subject to the Equal Opportunity Clause, as required by Executive Orders 10925, 11114, or 11246, and that he has \_\_\_\_\_, has not \_\_\_\_\_, filed with the Joint Reporting Committee, the Director of the Office of Federal Contract Compliance, a Federal Government contracting or administering agency, or the former President's Committee on Equal Employment Opportunity, all reports due under the applicable filing requirements.

\_\_\_\_\_  
(COMPANY)

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

NOTE: The above certification is required by the Equal Employment Opportunity Regulations of the Secretary of Labor (41 CFR 60-1.7 (b) (1)), and must be submitted by bidders and proposed subcontractors only in connection with contracts and subcontracts which are subject to the Equal Opportunity Clause. Contracts and Subcontracts which are exempt from the Equal Opportunity Clause are set forth in 41 CFR 60-1.5. (Generally only contracts or subcontracts of \$10,000 or under are exempt.)

Currently, Standard Form 100 (EEO-1) is the only report required by the Executive Orders or their implementing regulations.

Proposed prime Contractors and Subcontractors who have participated in a previous contract or subcontract subject to the Executive orders and have not filed the required reports should note that 41 CFR 60-1.7 (b) (1) prevents the award of contracts and subcontracts unless such Contractors submit a report covering the delinquent period or such other period specified by the Federal Highway Administration or by the Director, Office of Federal Contract Compliance, U. S. Department of Labor.

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

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

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

\_\_\_\_\_ do hereby certify under  
(Name of Firm, partnership, or Corporation)

penalty of perjury under the laws of the United States and the State of Mississippi that \_\_\_\_\_

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

on Project No. **STBG-9999-01(401)/ 108811301000**

in **District 1** \_\_\_\_\_ County(ies), Mississippi, has not either

directly or indirectly entered into any agreement, participated in any collusion; or otherwise taken any action in restraint of free competitive bidding in connection with this contract; nor have any of its corporate officers or principal owners.

Except as noted hereafter, it is further certified that said legal entity and its corporate officers, principal owners, managers, auditors and others in a position of administering federal funds:

- a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
- b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
- c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in (b) above; and
- d) Have not within a three-year period preceding this application/ proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

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

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

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

The bidder further certifies that the certification requirements contained in Section XI of Form FHWA 1273, will be or have been included in all subcontracts, material supply agreements, purchase orders, etc. except those procurement contracts for goods or services that are expected to be less than the Federal procurement small purchase threshold fixed at 10 U.S.C. 2304(g) and 41 U.S.C. 253(g) (currently \$25,000) which are excluded from the certification requirements.

The bidder further certifies, to the best of his or her knowledge and belief, that:

1) No Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this contract, Standard Form-LLL, Disclosure Form to Report Lobbying, in accordance with its instructions will be completed and submitted.

The certification contained in (1) and (2) above is a material representation of fact upon which reliance is placed and a prerequisite imposed by Section 1352, Title 31, U.S. Code prior to entering into this contract. Failure to comply shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000. The bidder shall include the language of the certification in all subcontracts exceeding \$100,000 and all subcontractors shall certify and disclose accordingly.

All of the foregoing is true and correct.

Executed on \_\_\_\_\_

\_\_\_\_\_  
Signature



**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

SAM.GOV Registration and DUNS Number

Bidders are advised that the Prime Contractor must maintain current registration in the **System for Award Management** (<http://www.sam.gov>) at all times during the project. A Dun and Bradstreet Data Universal Numbering System (DUNS) Number (<http://www.dnb.com>) is one of the requirements for registration in the System for Award Management.

Bidders are advised that prior to the award of this contract, they **MUST** be registered in the System for Award Management.

I (We) acknowledge that this contract cannot be awarded if I (We) are not registered in the System for Award Management prior to the award of this contract. \_\_\_\_\_ (Yes / No)

I (We) have a DUNS Number . \_\_\_\_\_ (Yes / No)

DUNS Number: \_\_\_\_\_

Company Name: \_\_\_\_\_

Company e-mail address: \_\_\_\_\_

(6/2015F)

For Informational Purposes Only

SECTION 902

CONTRACT FOR STBG-9999-01(401)/ 108811301000

LOCATED IN THE COUNTY(IES) OF District 1

STATE OF MISSISSIPPI,  
COUNTY OF HINDS

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

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

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

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

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

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

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

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

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

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

By \_\_\_\_\_

MISSISSIPPI TRANSPORTATION COMMISSION

Title \_\_\_\_\_

By \_\_\_\_\_

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

Executive Director

\_\_\_\_\_

Secretary to the Commission

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

Revised 8/06/2003

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

CONTRACT BOND FOR: STBG-9999-01(401)/108811301000

LOCATED IN THE COUNTY(IES) OF: District 1

STATE OF MISSISSIPPI,  
COUNTY OF HINDS

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

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

and \_\_\_\_\_

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

authorized to do business in the State of Mississippi, under the laws thereof, as surety, effective as of the contract date shown below, are held and firmly bound unto the State of Mississippi in the sum of \_\_\_\_\_

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

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

\_\_\_\_\_ principal, has (have) entered into a contract with the Mississippi Transportation Commission, bearing the date of \_\_\_\_\_ day of \_\_\_\_\_ A.D. \_\_\_\_\_ hereto annexed, for the construction of certain projects(s) in the State of Mississippi as mentioned in said contract in accordance with the Contract Documents therefor, on file in the offices of the Mississippi Department of Transportation, Jackson, Mississippi.

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

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

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



# BID BOND

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

\_\_\_\_\_  
Address

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

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

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

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

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

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

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

WHEREAS, the Principal has submitted a bid for **Sign Replacements on various routes throughout the District, known as Federal Aid Project No. STBG-9999-01(401) / 108811301 in District 1.**

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

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

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

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

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

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

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

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

MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
OFFICE OF CIVIL RIGHTS  
JACKSON, MISSISSIPPI

LIST OF FIRMS SUBMITTING QUOTES

I/we received quotes from the following firms on:

Letting Date: **September 28, 2021**

Project No: **STBG-9999-01(401)/ 108811301000**

County: **District 1**

Disadvantaged Business Enterprise (DBE) Regulations as stated in 49 CFR 26.11 require the Mississippi Department of Transportation (MDOT) to create and maintain a comprehensive list of all firms quoting/bidding subcontracts on prime contracts and quoting/bidding subcontracts on federally-funded transportation projects. For every firm, we require the following information:

Firm Name: \_\_\_\_\_  
Contact Name/Title: \_\_\_\_\_  
Firm Mailing Address: \_\_\_\_\_  
Phone Number: \_\_\_\_\_  
\_\_\_\_\_ DBE Firm \_\_\_\_\_ Non-DBE Firm

Firm Name: \_\_\_\_\_  
Contact Name/Title: \_\_\_\_\_  
Firm Mailing Address: \_\_\_\_\_  
Phone Number: \_\_\_\_\_  
\_\_\_\_\_ DBE Firm \_\_\_\_\_ Non-DBE Firm

Firm Name: \_\_\_\_\_  
Contact Name/Title: \_\_\_\_\_  
Firm Mailing Address: \_\_\_\_\_  
Phone Number: \_\_\_\_\_  
\_\_\_\_\_ DBE Firm \_\_\_\_\_ Non-DBE Firm

Firm Name: \_\_\_\_\_  
Contact Name/Title: \_\_\_\_\_  
Firm Mailing Address: \_\_\_\_\_  
Phone Number: \_\_\_\_\_  
\_\_\_\_\_ DBE Firm \_\_\_\_\_ Non-DBE Firm

Firm Name: \_\_\_\_\_  
Contact Name/Title: \_\_\_\_\_  
Firm Mailing Address: \_\_\_\_\_  
Phone Number: \_\_\_\_\_  
\_\_\_\_\_ DBE Firm \_\_\_\_\_ Non-DBE Firm

\_\_\_\_\_  
SUBMITTED BY (Signature)

\_\_\_\_\_  
FIRM NAME

