## SECTION 905 -- PROPOSAL (CONTINUED)

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

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

ADDENDUM NO. 1 DATED 6/23/2016 ADDENDUM NO. _____ DATED _____
ADDENDUM NO _____ DATED _____ ADDENDUM NO. _____ DATED _____

| Number | Description |
|---|---|
| 1 | Revised Table of Contents; Delete NTB No. 1322; Revised NTB Nos. 5545, 6111, & 6119; Add NTB Nos. 6522, & 6523; Add SP 907-630-13; Delete SP 907-630-15, & 907-721-4; Revised Bid Items; Revised or Added Plan Sheet Nos. 2, 6, 8-9, 18-20, 22, 24-26, 37, 40, 42, 44, 50, 195, 197, 199, 205, 1001-1015, 3022-3024, 9045-9050 for Projects 102556306 & 307; Revised or Added Plan Sheet Nos. 2, & 11 for Project 102556318; Amendment EBS Download Required. |

TOTAL ADDENDA: 1
(Must agree with total addenda issued prior to opening of bids)

Respectfully Submitted,

DATE _____

_____
Contractor

BY _____
Signature

TITLE _____

ADDRESS _____

CITY, STATE, ZIP _____

PHONE _____

FAX _____

E-MAIL _____

(To be filled in if a corporation)

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

_____
President Address

_____
Secretary Address

_____
Treasurer Address

The following is my (our) itemized proposal.

STP-0029-02(018) / 102556306000, STP-0029-02(018) / 102556307000 & STP-0029-03(015) / 102556318000
Desoto & Marshall County(ies)

Revised 01/26/2016

For Informational Purposes Only

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**
**TABLE OF CONTENTS**

**PROJECT: STP-0029-02(018) / 102556306 - Desoto**
**STP-0029-02(018) / 102556307 - Marshall**
**STP-0029-03(015) / 102556318 - Marshall**


Section 901 - Advertisement

Section 904 - Notice to Bidders

| | |
|---|---|
| #1 | Governing Specifications |
| #3 | Final Cleanup |
| #342 | Open Burning - Restriction On Ozone Action Days |
| #640 | Fiber Reinforced Concrete |
| #927 | Use of Fly Ash in Stone Matrix Asphalt (SMA) |
| #1405 | Errata & Modifications to 2004 Standard Specifications |
| #1928 | Federal Bridge Formula |
| #2382 | Status of ROW, w/ Attachments |
| #2418 | Clearing and/or Grubbing |
| #3131 | Temporary Traffic Paint |
| #3512 | Wage Rates |
| #3581 | Storm Water discharge associated w/ construcion Activities (>5 Acres) |
| #3893 | Petroleum Products Base Price |
| #4189 | Rumble Stripe |
| #4214 | Safety Apparel |
| #4473 | Alternate Crushed Stone Base Bid Items |
| #4526 | Electronic Addendum Process |
| #4565 | Manual on Uniform Traffic Control Devices (MUTCD) |
| #5044 | Questions Regarding Bidding |
| #5053 | Contractor Correspondence |
| #5252 | Terminal End Sections |
| #5266 | Disadvantaged Business Enterprise, w/ Supplement |
| #5405 | Traffic Control Devices |
| #5412 | Weight Limits |
| #5545 | Burn-in Period |
| #5556 | DUNS Requirement for Federal Funded Projects |
| #5824 | Adjustments for Bituminous Materials |
| #5865 | Non-Quality Control / Quality Assurance Concrete |
| #5866 | Payroll Requirements |
| #5896 | DBE Forms, Participation and Payment |
| #6106 | Contract Time |
| #6107 | Specialty Items |
| #6108 | Cooperation Between Contractors |
| #6109 | Work Restrictions |
| #6110 | A + B Bidding |
| #6111 | Addtional Construction Requirements |
| #6112 | Erosion Control Requirements |
| #6113 | Liquidated Damages |
| #6114 | Traffic Management Center (TMC) Modifications |

| | |
|---|---|
| #6115 | Use of Polyacrylamide (PAM) |
| #6116 | Location & Configuration of Communication Nodes |
| #6117 | Restricted Area |
| #6118 | Repair of Failed Pavement Area |
| #6119 | Contract Modifications |
| #6522 | Minor Slope Grading |
| #6523 | SR 305/ I-269 Interchange Work |

| | |
|---|---|
| 906 | Required Federal Contract Provisions -- FHWA 1273, w/Supplements |

Section 907 - Special Provisions

| | |
|---|---|
| 907-101-4 | Definitions |
| 907-102-12 | Bidding Requirements and Conditions |
| 907-103-11 | Award and Execution |
| 907-104-5 | Scope of Work |
| 907-104-6 | Partnering Process |
| 907-105-8 | Control of Work |
| 907-107-13 | Legal Relations and Responsibility to Public, w/Supplement |
| 907-107-14 | Contractor's Protection Plan, w/ Supplement |
| 907-108-38 | Prosecution and Progress |
| 907-109-8 | Measurement and Payment |
| 907-110-2 | Wage Rates |
| 907-216-1 | Solid Sodding |
| 907-225-5 | Grassing |
| 907-226-3 | Temporary Grassing |
| 907-227-10 | Hydroseeding |
| 907-234-5 | Siltation Barriers |
| 907-237-4 | Wattles |
| 907-245-2 | Triangular Silt Dikes |
| 907-246-3 | Sandbags & Rockbags |
| 907-247-2 | Temporary Stream Diversion |
| 907-249-1 | Riprap for Erosion Control |
| 907-250-1 | Polyacrylamide (PAM) |
| 907-253-2 | Coir Fiber Baffle |
| 907-304-13 | Granular Courses |
| 907-307-4 | Lime Treated Courses |
| 907-308-4 | Portland Cement Treated Courses, w/Supplement |
| 907-311-3 | Lime-Fly Ash Treated Courses |
| 907-401-5 | Stone Matrix Asphalt (SMA), w/ Supplement |
| 907-401-7 | Asphalt Pavements, w/ Supplement |
| 907-402-6 | Open Graded Friction Course, w/ Supplement |
| 907-403-13 | Stone Matrix Asphalt (SMA), w/ Supplement |
| 907-403-14 | Asphalt Pavements |
| 907-406-4 | Cold Milling |
| 907-407-2 | Tack Coat |
| 907-413-5 | Sawing & Sealing Transverse Joints in Asphalt Pavement |

**PROJECT: STP-0029-02(018) / 102556306 - Desoto**
**STP-0029-02(018) / 102556307 - Marshall**
**STP-0029-03(015) / 102556318 - Marshall**

| | |
|---|---|
| 907-601-1 | Structural Concrete |
| 907-605-3 | Underdrains |
| 907-618-9 | Placement of Temporary Traffic Stripe |
| 907-618-13 | Temporary Construction Signs |
| 907-626-25 | Thermoplastic Traffic Markings |
| 907-630-13 | Sign Supports |
| 907-630-14 | Contractor Designed Sign Supports |
| 907-637-5 | ITS Equipment Cabinets |
| 907-639-8 | Traffic Signal and ITS Equipment Poles |
| 907-641-6 | Signal Radar Detection |
| 907-649-5 | Video Vehicle Detection |
| 907-650-9 | On-Street Video Equipment |
| 907-656-11 | Dynamic Message Sign |
| 907-657-12 | Fiber Optic Cable (OSP) |
| 907-658-8 | Networking Equipment |
| 907-659-4 | Traffic Management Center (TMC) Modifications |
| 907-668-1 | Traffic Signal Conduit |
| 907-670-2 | ITS Radar Detection System |
| 907-697-3 | Bluetooth Detection System (BDS) |
| 907-699-5 | Construction Stakes |
| 907-701-5 | Hydraulic Cement, w/ Supplement |
| 907-702-5 | Specifications for Bituminous Materials |
| 907-703-12 | Aggregates, w/ Supplement |
| 907-708-6 | Non-Metal Drainage Structures |
| 907-709-1 | Metal Pipe |
| 907-710-1 | Fast Dry Solvent Traffic Paint |
| 907-711-4 | Synthetic Structural Fiber Reinforcement |
| 907-713-6 | Admixtures for Concrete |
| 907-714-3 | Stabilizing Fibers |
| 907-714-8 | Miscellaneous Materials |
| 907-715-4 | Roadside Development Materials |
| 907-720-2 | Pavement Marking Materials |
| 907-804-19 | Concrete Bridges and Structures, w/ Supplement |
| 907-815-2 | Sediment Control Stone |
| 907-823-9 | Preformed Joint Seal, w/ Attachments |

Section 905 - Proposal, Proposal Bid Items, Combination Bid Proposal
Certification of Performance - Prior Federal-Aid Contracts
Certification Regarding Non-Collusion, Debarment and Suspension
SAM.GOV Registration and DUNS Number
Section 902 - Contract Form
Section 903 - Contract Bond Forms
Form -- OCR-485

**PROJECT:** **STP-0029-02(018) / 102556306 - Desoto**
**STP-0029-02(018) / 102556307 - Marshall**
**STP-0029-03(015) / 102556318 - Marshall**

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

06/23/2016 07:52 AM

# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**SECTION 904 - NOTICE TO BIDDERS NO. 5545** **CODE: (SP)**

**DATE: 06/16/2016**

**SUBJECT: Burn-in Period**

Bidders are advised that the contract time on this project is Contractor Determined and the time required for the burn-in period(s) for all electrical equipment on this project shall be included in the Contractor Determined contract time.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SECTION 904 - NOTICE TO BIDDERS NO. 6111** **CODE: (SP)**

**DATE:** **06/20/2016**

**SUBJECT:** **Additional Construction Requirements**

**PROJECT:** **STP-0029-02(018) / 102556306&307, STP-0029-03(015)/102556318 - Desoto & Marshall Counties**

Bidders are hereby advised of the following construction requirements.

The Contractor is advised that Project **STP-0029-02(018)/102556306&307, STP-0029-03(015)/102556318** granted access through the following locations. Such access is over the Right of Way and within the station limits of this project. The Contractor is advised that access to the site(s) will be allowed from the following locations within the construction limits only by means of construction entrances.

- The Southwest & Southeast Ramps at the SR 302/I-269 Interchange
- The SR 309/I-269 Interchange (all Ramps)
- The US 78-I-22/ I-269 Interchange (all Ramps)
- The Northeast & Southeast ramps at the SR 305/I-269 Interchange

The Contractor shall submit a Traffic Control plan to govern the use of such construction entrances. To the extent practical the number of such construction entrances shall be minimized.

The Contractor is advised that other contractors on adjoining and future projects, mentioned within the Notice to Bidder titled "Cooperation between Contractors", may continue to use the access previously granted by the Department.

The contractor shall be responsible for obtaining permission from local officials for construction traffic to access the project via any of the non-MDOT routes. MDOT will not be held liable for any damage to any of the non-MDOT routes.

The Contractor is advised to cooperate with other contractors in all respects and shall coordinate construction with the other contractors of the adjacent projects.

The Contractor is advised that additional work will be required on I-269 from station 1250+44.87 to station 1369+00. This work will consist of repairing failed pavement areas (set forth in a separate Notice to Bidder), and installation of Guard post at the ditch plug stations listed below. The quantities have been set up in the plans sheets, and in the bid items for guard post. Traffic control to perform this work shall be as per the project plan standard sheets, and shall be paid for under Maintenance of Traffic. Any erosion control required for this work at ditch plugs or for the pavement repair areas shall be paid for under the pay items allowed for in the project plans, and bid items.

Guard post will be installed as per the project plans standard sheet for Guard post installation, and the ditch plug locations have been provided below where installation will take place.

| **I-269 Ditch Plug Locations on previously paved section** |
|---|
| 1258+72 |
| 1264+51 |
| 1267+35 |
| 1276+60 |
| 1293+71 |
| 1301+69 |
| 1309+46 |
| 1316+73 |
| 1331+58 |
| 1338+68 |
| 1345+65 |
| 1359+01 |

The Contractor is advised that additional work will be required on I-269 repairing damaged/failed slope paving on this project. This work will consist of removing, and replacing the damaged/ failed slope paving located at approximate station 126+00, Bridge G, North bound CD road. The quantities have been set up in the “Contract Modifications” Notice to Bidders, as Removal of Concrete Slope paving, and Concrete Slope paving.

# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**SECTION 904 - NOTICE TO BIDDERS NO. 6119** **CODE: (SP)**

**DATE:** **06/20/2016**

**SUBJECT:** **Contract Modifications**

**PROJECT:** **STP-0029-02(018) / 102556306&307, STP-0029-03(015)/102556318 - Desoto & Marshall Counties**

Bidders are advised of the following changes regarding pay items:

- The Summary of Quantities sheets in the Plans reference pay item 907-630-C001, Steel U-Section Post, 2.0 LB/FT. This is in error. Payment for the Steel U-Section Post shall be made using pay item 630-C001, Steel U-Section Post, 2.0 LB/FT with a total quantity of 461 L.F. The bid items have been corrected to reflect this change.

- The Summary of Quantities sheets in the Plans reference pay item 907-630-C003, Steel U-Section Post, 3.0 LB/FT. This is in error. Payment for the Steel U-Section Post shall be made using pay item 630-C003, Steel U-Section Post, 3.0 LB/FT with a total quantity of 1,155 L.F. The bid items have been corrected to reflect this change.

- The Project Plans do not reference pay item 202-B036, Removal of Concrete Slope Paving. This is in error. Payment for the Removal of Concrete Slope Paving shall be made using pay item 202-B036, Removal of Concrete Slope Paving with a quantity of 30 S.Y. The bid items have been corrected to reflect this change.

- The Project Plans do not reference pay item 815-D001, Concrete Slope Paving. This is in error. Payment for the Concrete Slope Paving shall be made using pay item 815-D001, Concrete Slope Paving with a quantity of 5 C.Y. The bid items have been corrected to reflect this change.

# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**SECTION 904 – NOTICE TO BIDDERS NO. 6522** **CODE: (SP)**

**DATE:** **06/17/2016**

**SUBJECT:** **Minor Slope Grading**

**PROJECT:** **STP-0029-02(018) / 102556306&307, STP-0029-03(015)/102556318 - Desoto & Marshall Counties**

Bidders are advised that there are areas on the project that require work and stabilization that includes, but is not limited to, minor grading of the existing slope, repairing washes and rills along the existing roadway slope and minor repairs at existing bridge abutments.

This work will be performed at the direction of the Project Engineer and paid for using the following pay items which are included in the contract documents.

203-A004, Unclassified Excavation, LVM, AH
203-EX018, Borrow Excavation, AH, LVM, Class B9

To repair the areas the Contractor may request to use excess material removed from the roadway prior to chemical stabilization of the Subgrade. At the Project Engineer's discretion and if the Contractor elects to use this material, it will be paid for under pay item 203-A004, Unclassified Excavation, LVM, AH. If the Contractor elects to use this material, the quantity used as Unclassified Excavation will be deducted from the 203-G003, Excess Excavation, FM, AH quantities.

To fill the areas the Contractor may use pay item 203-EX018, Borrow Excavation, AH, LVM, Class B9 in lieu of the unclassified material.

The areas will be stabilized using the Erosion Control pay items included in the plans and contract documents.

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SECTION 904 - NOTICE TO BIDDERS NO. 6523** **CODE: (SP)**

**DATE:** **06/20/2016**

**SUBJECT:** **SR 305/ I-269 Interchange Work**

**PROJECT:** **STP-0029-02(018) / 102556306&307, STP-0029-03(015)/102556318 in Desoto & Marshall Counties**

Bidders are hereby advised that the box culvert, and driveway construction work to take place along, and near the Northeast ramp of the SR 305/ I-269 interchange should be planned during the **initial phase** of construction for this project. Within this contract there is Notice to Bidders #6117 "Restricted Area", this Notice to Bidders restricts work on this project from Stations 498+65.248 to 525+00 until January 1, 2017 or until written permission is given from the Project Engineer. The interchange ramp (stations 103+00 to 108+00), and adjoining property where this work is to take place is within this restricted area. Areas for Box Culvert Construction (ramp stations 103+00 to 108+00), and driveway construction will be exempt from this restriction.

Bidders are advised that the design for the 12' X 6' precast box and all appurtenances at station 12+80 shall be submitted to the Project Engineer and The Director of Structures prior to fabrication and installation for approval. The precast box, and end sections shall be designed as per ASTM C 850 (AASHTO M273)(table 1) for less than 2 feet of cover subjected to highway loading or ASTM C 789 (AASHTO M 259)(table 1) for 2 feet or more earth cover.

# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**SPECIAL PROVISION NO. 907-630-13** **CODE: (IS)**

**DATE:** **02/25/2014**

**SUBJECT:** **Sign Supports**

Section 630, Traffic Signs and Delineators, of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

**907-630.01--Description.** Delete the last three paragraphs of Subsection 630.01 on page 454 and substitute the following.

**907-630.01.1--Contractor Designed Supports.** When specified as Contractor Designed Metal Overhead Sign Supports, the Contractor will be responsible for the design of the metal overhead sign support(s) and overhead sign supports on bridges(s). The design shall meet the latest requirements of the AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaries and Traffic Signals.

The Contractor shall submit to the Director of Structures, State Bridge Engineer, a design using steel. The design shall be a rectangular box truss connected at both the top and bottom to the vertical support posts. With the exception of cantilever mounts, overhead support structures shall have two vertical support posts at each end of the truss. Design drawings, calculations and other necessary supporting data shall be submitted as soon as possible after the Pre-Construction Conference. The controlling sign configuration and total area of design sign shall be labeled on the design drawings. The design shall be prepared by a Professional Engineer registered in the State of Mississippi proficient in the design of overhead sign structures.

The Contractor shall provide a detailed cross section at the location of each new sign truss. At the locations where the truss will span existing roadways, the Contractor shall obtain a surveyed cross section extending beyond the limits of the truss. The cross section will show the horizontal dimensions and elevations of ditches, edge of travel lanes, shoulder lines, pavement crown lines, barriers and retaining walls, etc. The truss and signs shall be located on the cross section and shall include both vertical and horizontal dimensions to the finished roadway surface. The overhead sign truss details provided in the contract plans or documents will not be acceptable as the Contractor's detailed cross section. The cross section information shall be of sufficient accuracy to verify the sign truss dimensions required for each specific location. This information shall be submitted for review with the sign truss shop drawings and calculations.

The Contractor is responsible for designing and constructing modifications to barriers and retaining walls as necessary to carry sign truss loads for sign truss assemblies attached to such structures. Barrier faces must smoothly transition back to the existing barrier section as specified in the plans. All designs and proposed modifications must be stamped by the Contractor's engineer and submitted to the Engineer for review.

Bridge information plans are provided to assist the Contractor's Engineer in designing attachments to bridges. All bridge attachments must be submitted to the Director of Structures, State Bridge Engineer through the Project Engineer for review. Use of chemical adhesive anchors is prohibited. Mechanical anchors are permissible as approved by the Director of Structures, State Bridge Engineer. Mounting holes for sign assemblies attached to prestressed concrete girders shall be placed at locations where the prestressing strands are not damaged by drilling. Mounting sign assemblies to steel girders by welding is prohibited. A limited number of mounting holes may be drilled only in the steel girder webs at locations which do not interfere with existing members such as bolts, stiffeners, and splice plates. Attachments which cause concentrated loads on girder webs will be spread out along the web both vertically and horizontally by use of steel plates so as to not cause distortion in the web. Drilling in steel girder bottom flanges is prohibited.

The design wind speed shall be as shown in the design specifications with a minimum of 90 mph. In addition to the loads required in the design specifications, overhead sign supports shall be designed to support a uniform load of 40 pounds per linear foot applied vertically to the truss to which the signs are attached, extending along the truss across the roadway below from points four feet outside each outer edge of exterior travel lane, unless otherwise specified. Appropriate damping or energy absorbing devices shall be installed in the event that an overhead structure is erected without installation of the permanent sign panels or if the area of permanent sign panels installed is not sufficient to prevent detrimental wind-induced vibration.

The larger of the following sign configurations shall be used in the design of overhead sign support structures:

1) The sign dimensions and configuration shown in the contract plans
2) Sign Height: 20 feet; Sign Width: Outer Edge of Exterior Travel Lane to Outer Edge of Exterior Travel Lane plus six (6) feet
3) Sign Height: 20 feet; Sign Width: Post to Post Clear Spacing minus 60 feet

The sign widths in configurations 2) and 3) should be located symmetrically about the center of the truss.

**907-630-.02--Materials**. Delete the last three paragraphs of Subsection 630.02 on page 455, and substitute the following.

Structural Steel. Material for posts, chords and bracing members shall meet the requirements of ASTM Designation: A 501 or ASTM Designation: A 53, Grade B. Material for structural shapes, plates, posts and chord caps shall meet the requirements of ASTM Designation: A 36. Material for round tapered monotube shall meet the requirements of ASTM Designation: A 595, Grade A.

**907-630.05--Basis of Payment.** Add the "907" prefix to pay item nos. 630-I and 630-J on page 463.

Paving on SR 304 / I-269 from SR 305 to SR 302, known as Federal Aid Project Nos. STP-0029-02(018) & STP-0029-03(015) / 102556306, 307, & 318 in Desoto & Marshall Counties.

| Line No. | Item Code | Adj Code | Quantity | Units | Description [Fixed Unit Price] |
|---|---|---|---|---|---|
| | | | **Roadway Items** | | |
| 0010 | 201-A001 | | 1 | Lump Sum | Clearing and Grubbing |
| 0020 | 202-B005 | | 4,655 | Square Yard | Removal of Asphalt Pavement, All Depths |
| 0022 | 202-B008 | | 1 | Each | Removal of Box Culvert |
| 0030 | 202-B013 | | 3,090 | Square Yard | Removal of Cement Treated Base, All Depths |
| 0032 | 202-B025 | | 90 | Square Yard | Removal of Concrete Paved Ditch |
| 0034 | 202-B036 | | 30 | Square Yard | Removal of Concrete Slope Paving |
| 0040 | 202-B042 | | 1 | Each | Removal of Flared End Section, All Sizes |
| 0042 | 202-B064 | | 24 | Linear Feet | Removal of Pipe, 8" And Above |
| 0050 | 202-B070 | | 27 | Each | Removal of Sign Including Post & Footing |
| 0060 | 202-B076 | | 31,560 | Linear Feet | Removal of Traffic Stripe |
| 0070 | 202-B275 | | 240 | Linear Feet | Removal of Barricade, All Types |
| 0080 | 203-A003 | (E) | 117,317 | Cubic Yard | Unclassified Excavation, FM, AH |
| 0082 | 203-A004 | (E) | 1,500 | Cubic Yard | Unclassified Excavation, LVM, AH |
| 0090 | 203-EX017 | (E) | 60,308 | Cubic Yard | Borrow Excavation, AH, FME, Class B9 |
| 0092 | 203-EX018 | (E) | 1,500 | Cubic Yard | Borrow Excavation, AH, LVM, Class B9 |
| 0100 | 203-G003 | (E) | 337,759 | Cubic Yard | Excess Excavation, FM, AH |
| 0110 | 206-A001 | (S) | 3,634 | Cubic Yard | Structure Excavation |
| 0120 | 206-B001 | (E) | 127 | Cubic Yard | Select Material for Undercuts, Contractor Furnished, FM |
| 0130 | 209-A004 | | 158,321 | Square Yard | Geotextile Stabilization, Type V, Non-Woven |
| 0140 | 211-B001 | (E) | 5,500 | Cubic Yard | Topsoil for Slope Treatment, Contractor Furnished |
| 0150 | 213-C001 | | 129 | Ton | Superphosphate |
| 0160 | 217-A001 | | 1,575 | Square Yard | Ditch Liner |
| 0170 | 219-A001 | | 68 | Thousand Gallon | Watering [$20.00] |
| 0180 | 220-A001 | | 301 | Acre | Insect Pest Control [$30.00] |
| 0190 | 221-A001 | (S) | 395 | Cubic Yard | Portland Cement Concrete Paved Ditch |
| 0200 | 223-A001 | | 2,787 | Acre | Mowing [$50.00] |
| 0210 | 224-A001 | | 1,700 | Square Yard | Soil Reinforcing Mat |
| 0220 | 234-A001 | | 19,455 | Linear Feet | Temporary Silt Fence |
| 0230 | 236-A004 | | 1 | Each | Silt Basin, Type D |
| 0240 | 236-B004 | | 2 | Each | Maintenance and Removal of Existing Silt Basins, Type D |
| 0250 | 239-A001 | | 528 | Linear Feet | Temporary Slope Drains |
| 0260 | 321-A001 | | 14 | Mile | 6" In-Grade Preparation |

| Line No. | Item Code | Adj Code | Quantity | Units | Description [Fixed Unit Price] |
|---|---|---|---|---|---|
| 0270 | 408-A003 | (A3) | 2,950 | Gallon | Asphalt for Prime Coat, Cut-Back MC-70 or Emulsified EA-1 |
| 0280 | 423-A001 | | 53 | Mile | Rumble Strips, Ground In |
| 0290 | 501-E001 | | 2,305 | Linear Feet | Expansion Joints, Without Dowels |
| 0300 | 502-A001 | (C) | 5,097 | Square Yard | Reinforced Cement Concrete Bridge End Pavement |
| 0310 | 602-A001 | (S) | 142,905 | Pounds | Reinforcing Steel |
| 0320 | 603-CA003 | (S) | 56 | Linear Feet | 24" Reinforced Concrete Pipe, Class III |
| 0330 | 603-CA004 | (S) | 208 | Linear Feet | 30" Reinforced Concrete Pipe, Class III |
| 0340 | 603-CA005 | (S) | 96 | Linear Feet | 36" Reinforced Concrete Pipe, Class III |
| 0350 | 603-CA015 | (S) | 216 | Linear Feet | 24" Reinforced Concrete Pipe, Class IV |
| 0360 | 603-CA041 | (S) | 152 | Linear Feet | 36" Reinforced Concrete Pipe, Class IV, Class B Bedding |
| 0370 | 603-CB002 | (S) | 4 | Each | 24" Reinforced Concrete End Section |
| 0380 | 603-CB003 | (S) | 4 | Each | 30" Reinforced Concrete End Section |
| 0390 | 603-CB004 | (S) | 3 | Each | 36" Reinforced Concrete End Section |
| 0392 | 603-PA013 | (S) | 32 | Linear Feet | 12' x 6' Precast Concrete Box Culvert |
| 0394 | 603-PB013 | (S) | 2 | Each | 12' x 6' Precast Concrete Box Culvert End Section |
| 0400 | 604-A001 | | 2,440 | Pounds | Castings |
| 0410 | 604-B001 | | 2,000 | Pounds | Gratings |
| 0420 | 605-AA003 | (S) | 1,667 | Square Yard | Geotextile for Subsurface Drainage, Type III |
| 0430 | 605-W001 | (GY) | 140 | Cubic Yard | Filter Material for Combination Storm Drain and/or Underdrains,Type A, FM |
| 0440 | 605-W002 | (GY) | 152 | Cubic Yard | Filter Material for Combination Storm Drain and/or Underdrains,Type B, FM |
| 0450 | 606-A001 | | 279 | Each | Guard Posts |
| 0460 | 606-B001 | | 5,588 | Linear Feet | Guard Rail, Class A, Type 1 |
| 0470 | 606-C003 | | 3 | Each | Guard Rail, Cable Anchor, Type 1 |
| 0480 | 606-D012 | | 42 | Each | Guard Rail, Bridge End Section, Type I |
| 0490 | 606-E002 | | 41 | Each | Guard Rail, Terminal End Section, Flared |
| 0500 | 606-E003 | | 4 | Each | Guard Rail, Terminal End Section, Non-Flared |
| 0510 | 607-G041 | | 4 | Each | Gate, 12' x 6' Chain Link |
| 0520 | 609-C002 | (S) | 40 | Linear Feet | Concrete Curb, Integral, Type 2 |
| 0530 | 609-D002 | (S) | 2,669 | Linear Feet | Combination Concrete Curb and Gutter Type 2 |
| 0540 | 609-D004 | (S) | 5,424 | Linear Feet | Combination Concrete Curb and Gutter Type 3A Modified |
| 0550 | 609-D007 | (S) | 4,523 | Linear Feet | Combination Concrete Curb and Gutter Type 2 Modified |
| 0560 | 615-A008 | (S) | 2,194 | Linear Feet | Concrete Type I Cast-in-Place Median Barrier, 32" High |
| 0570 | 615-A018 | (S) | 840 | Linear Feet | Concrete Bridge End Barrier, 33.5" |

| Line No. | Item Code | Adj Code | Quantity | Units | Description [Fixed Unit Price] |
|---|---|---|---|---|---|
| 0580 | 615-B001 | (S) | 7,200 | Linear Feet | Precast Concrete Median Barrier |
| 0590 | 616-A001 | (S) | 5,356 | Square Yard | Concrete Median and/or Island Pavement, 4-inch |
| 0600 | 616-A003 | (S) | 231 | Square Yard | Concrete Median and/or Island Pavement, 10-inch |
| 0610 | 619-A1001 | | 17,287 | Linear Feet | Temporary Traffic Stripe, Continuous White |
| 0620 | 619-A1003 | | 15,321 | Linear Feet | Temporary Traffic Stripe, Continuous White, Paint |
| 0630 | 619-A2001 | | 15,405 | Linear Feet | Temporary Traffic Stripe, Continuous Yellow |
| 0640 | 619-A2003 | | 19,955 | Linear Feet | Temporary Traffic Stripe, Continuous Yellow, Paint |
| 0650 | 619-A3001 | | 9,000 | Linear Feet | Temporary Traffic Stripe, Skip White |
| 0660 | 619-A3002 | | 19,959 | Linear Feet | Temporary Traffic Stripe, Skip White, Paint |
| 0670 | 619-A5001 | | 16,234 | Linear Feet | Temporary Traffic Stripe, Detail |
| 0680 | 619-A5002 | | 3,595 | Linear Feet | Temporary Traffic Stripe, Detail, Paint |
| 0690 | 619-A6001 | | 256 | Linear Feet | Temporary Traffic Stripe, Legend |
| 0700 | 619-A6002 | | 77 | Square Feet | Temporary Traffic Stripe, Legend |
| 0710 | 619-D1001 | | 304 | Square Feet | Standard Roadside Construction Signs, Less than 10 Square Feet |
| 0720 | 619-D2001 | | 1,719 | Square Feet | Standard Roadside Construction Signs, 10 Square Feet or More |
| 0730 | 619-G4001 | | 588 | Linear Feet | Barricades, Type III, Single Faced |
| 0740 | 619-G4005 | | 72 | Linear Feet | Barricades, Type III, Double Faced |
| 0750 | 619-G5001 | | 111 | Each | Free Standing Plastic Drums |
| 0760 | 619-G7001 | | 10 | Each | Warning Lights, Type "B" |
| 0770 | 619-J1003 | | 4 | Unit | Impact Attenuator, 60 MPH |
| 0780 | 619-J2002 | | 2 | Unit | Impact Attenuator, 60 MPH, Replacement Package |
| 0790 | 620-A001 | | 1 | Lump Sum | Mobilization |
| 0800 | 621-A001 | | 1 | Each | Field Laboratory |
| 0810 | 627-K001 | | 6,040 | Each | Red-Clear Reflective High Performance Raised Markers |
| 0820 | 627-L001 | | 575 | Each | Two-Way Yellow Reflective High Performance Raised Markers |
| 0830 | 629-A002 | | 2 | Each | Vehicular Impact Attenuator, 60 MPH |
| 0840 | 630-A001 | | 561 | Square Feet | Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness |
| 0850 | 630-A002 | | 2,464 | Square Feet | Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness |
| 0860 | 630-B001 | | 3,403 | Square Feet | Interstate Directional Signs, Bolted Extruded Aluminum Panels, Ground Mounted |
| 0870 | 630-B002 | | 4,775 | Square Feet | Interstate Directional Signs, Bolted Extruded Aluminum Panels, Overhead Mounted |
| 0872 | 630-C001 | | 461 | Linear Feet | Steel U-Section Posts, 2.0 lb/ft |
| 0874 | 630-C003 | | 1,155 | Linear Feet | Steel U-Section Posts, 3.0 lb/ft |

| Line No. | Item Code | Adj Code | Quantity | Units | Description [Fixed Unit Price] |
|---|---|---|---|---|---|
| 0880 | 630-D003 | | 1,015 | Linear Feet | Structural Steel Beams, W6 x 9 |
| 0890 | 630-D005 | | 482 | Linear Feet | Structural Steel Beams, W6 x 15 |
| 0900 | 630-D006 | | 348 | Linear Feet | Structural Steel Beams, W8 x 18 |
| 0910 | 630-D007 | | 100 | Linear Feet | Structural Steel Beams, W8 x 21 |
| 0920 | 630-D008 | | 222 | Linear Feet | Structural Steel Beams, W10 x 22 |
| 0930 | 630-E001 | | 1,024 | Pounds | Structural Steel Angles & Bars, 3" x 3" x 1/4" Angles |
| 0940 | 630-E002 | | 995 | Pounds | Structural Steel Angles & Bars, 3 1/2" x 3 1/2" x 1/4" Angles |
| 0950 | 630-E003 | | 662 | Pounds | Structural Steel Angles & Bars, 4" x 4" x 5/16" Angles |
| 0960 | 630-E004 | | 2,735 | Pounds | Structural Steel Angles & Bars, 7/16" x 2 1/2" Flat Bar |
| 0970 | 630-F001 | | 174 | Each | Delineators, Guard Rail, White |
| 0980 | 630-F002 | | 140 | Each | Delineators, Guard Rail, Yellow |
| 0990 | 630-F006 | | 365 | Each | Delineators, Post Mounted, Single White |
| 1000 | 630-F007 | | 78 | Each | Delineators, Post Mounted, Single Yellow |
| 1010 | 630-F008 | | 414 | Each | Delineators, Post Mounted, Double White |
| 1020 | 630-F009 | | 59 | Each | Delineators, Post Mounted, Double Yellow |
| 1030 | 630-G001 | | 17 | Each | Type 3 Object Markers, OM-3R, Post Mounted |
| 1040 | 630-G002 | | 12 | Each | Type 3 Object Markers, OM-3R or OM-3L, Post Mounted |
| 1050 | 630-G003 | | 17 | Each | Type 3 Object Markers, OM-3L, Post Mounted |
| 1060 | 630-K001 | | 506 | Linear Feet | Welded & Seamless Steel Pipe Posts, 3" |
| 1070 | 630-K002 | | 325 | Linear Feet | Welded & Seamless Steel Pipe Posts, 3 1/2" |
| 1080 | 630-K003 | | 1,112 | Linear Feet | Welded & Seamless Steel Pipe Posts, 4" |
| 1090 | 630-K004 | | 63 | Linear Feet | Welded & Seamless Steel Pipe Posts, 5" |
| 1100 | 640-A016 | | 28 | Each | Traffic Signal Heads, Type 1 LED |
| 1110 | 640-A056 | | 5 | Each | Traffic Signal Heads, Type 2 FYA LED |
| 1120 | 642-A008 | | 4 | Each | Solid State Traffic Actuated Controllers, Type 8A |
| 1130 | 646-A001 | | 1 | Lump Sum | Removal of Existing Traffic Signal Equipment |
| 1140 | 647-A002 | | 3 | Each | Pullbox, Type 3 |
| 1150 | 647-A003 | | 79 | Each | Pullbox, Type 4 |
| 1160 | 647-A004 | | 43 | Each | Pullbox, Type 5 |
| 1170 | 647-A005 | | 53 | Each | Pullbox, Type 2 |
| 1180 | 653-B001 | | 42 | Square Feet | Street Name Sign, Encapsulated Lens |
| 1190 | 666-B004 | | 20,130 | Linear Feet | Electric Cable, Underground in Conduit, IMSA 20-1, AWG 10, 2 Conductor |
| 1200 | 666-B021 | | 18,510 | Linear Feet | Electric Cable, Underground in Conduit, IMSA 20-1, AWG 6, 2 Conductor |

| Line No. | Item Code | Adj Code | Quantity | Units | Description [Fixed Unit Price] |
|---|---|---|---|---|---|
| 1210 | 666-B022 | | 2,581 | Linear Feet | Electric Cable, Underground in Conduit, IMSA 20-1, AWG 8, 2 Conductor |
| 1220 | 666-B023 | | 180 | Linear Feet | Electric Cable, Underground in Conduit, IMSA 20-1, AWG 8, 3 Conductor |
| 1230 | 666-B027 | | 1,615 | Linear Feet | Electric Cable, Underground in Conduit, THHN, AWG #2, 3 Conductor |
| 1240 | 666-B028 | | 3,060 | Linear Feet | Electric Cable, Underground in Conduit, THHN, AWG #6, 3 Conductor |
| 1250 | 666-B038 | | 3,690 | Linear Feet | Electric Cable, Underground in Conduit, THHN, AWG #4, 3 Conductor |
| 1260 | 666-B043 | | 660 | Linear Feet | Electric Cable, Underground in Conduit, THHN, AWG #2, 4 Conductor |
| 1270 | 666-B054 | | 1,971 | Linear Feet | Electric Cable, Underground in Conduit, IMSA 20-1, AWG 14, 8 Conductor |
| 1280 | 666-C017 | | 630 | Linear Feet | Electric Cable, Aerial Supported, IMSA 20-1, AWG 14, 8 Conductor |
| 1290 | 668-A018 | | 486 | Linear Feet | Traffic Signal Conduit, Underground, Type 4, 2" |
| 1300 | 668-A020 | | 68 | Linear Feet | Traffic Signal Conduit, Underground, Type 4, 3" |
| 1310 | 668-A029 | | 10,580 | Linear Feet | Traffic Signal Conduit, Underground, Rolled Pipe, 2" |
| 1320 | 668-B024 | | 6,219 | Linear Feet | Traffic Signal Conduit, Underground Drilled or Jacked, Rolled Pipe, 2" |
| 1330 | 668-B025 | | 784 | Linear Feet | Traffic Signal Conduit, Underground Drilled or Jacked, Rolled Pipe, 3" |
| 1340 | 815-A009 | (S) | 4,280 | Ton | Loose Riprap, Size 300 |
| 1344 | 815-D001 | (S) | 5 | Cubic Yard | Concrete Slope Paving |
| 1350 | 815-E001 | (S) | 7,343 | Square Yard | Geotextile under Riprap |
| 1360 | 907-216-A001 | | 3,365 | Square Yard | Solid Sodding |
| 1370 | 907-225-A001 | | 257 | Acre | Grassing |
| 1380 | 907-225-B001 | | 129 | Ton | Agricultural Limestone |
| 1390 | 907-225-C001 | | 514 | Ton | Mulch, Vegetative Mulch |
| 1400 | 907-226-A001 | | 257 | Acre | Temporary Grassing |
| 1410 | 907-234-D001 | | 87 | Each | Inlet Siltation Guard |
| 1420 | 907-234-E001 | | 55 | Each | Reset Inlet Siltation Guard |
| 1430 | 907-237-A002 | | 800 | Linear Feet | Wattles, 12" |
| 1440 | 907-237-A003 | | 41,100 | Linear Feet | Wattles, 20" |
| 1450 | 907-245-A001 | | 170 | Linear Feet | Triangular Silt Dike |
| 1460 | 907-246-A001 | | 8,270 | Linear Feet | Sandbags |
| 1470 | 907-247-A001 | | 1 | Each | Temporary Stream Diversion |
| 1480 | 907-249-A001 | | 100 | Ton | Riprap for Erosion Control |
| 1490 | 907-249-B001 | | 360 | Cubic Yard | Remove and Reset Riprap |
| 1500 | 907-250-A001 | | 899 | Pounds | Polyacrylamide (PAM) |
| 1510 | 907-253-A001 | | 54 | Linear Feet | Coir Fiber Baffle |
| 1520 | 907-304-B009 | (GT) | 108,128 | Ton | Granular Material, Class 3, Group D |

| Line No. | Item Code | Adj Code | Quantity | Units | Description [Fixed Unit Price] |
|---|---|---|---|---|---|
| 1530 | 907-304-B011 | (GT) | 422,614 | Ton | Granular Material, Class 9, Group B |
| 1540 | 907-307-C003 | (M) | 234,446 | Square Yard | 6" Soil-Lime-Water Mixing, Class C |
| 1550 | 907-307-D001 | | 3,165 | Ton | Lime |
| 1560 | 907-307-S001 | (A3) | 58,612 | Gallon | Bituminous Curing Seal |
| 1570 | 907-402-A004 | (BA1) | 26,300 | Ton | Open Graded Friction Course, 9.5-mm Mixture |
| 1580 | 907-402-B001 | (A3) | 45,567 | Gallon | Bituminous Tack Coat |
| 1590 | 907-403-A017 | (BA1) | 16,446 | Ton | 9.5-mm, ST, Asphalt Pavement |
| 1600 | 907-403-A018 | (BA1) | 40,440 | Ton | 12.5-mm, ST, Asphalt Pavement |
| 1610 | 907-403-A019 | (BA1) | 104,579 | Ton | 19-mm, ST, Asphalt Pavement |
| 1620 | 907-403-A022 | (BA1) | 1,535 | Ton | 9.5-mm, MT, Asphalt Pavement |
| 1630 | 907-403-A023 | (BA1) | 2,076 | Ton | 12.5-mm, MT, Asphalt Pavement |
| 1640 | 907-403-A024 | (BA1) | 4,755 | Ton | 19-mm, MT, Asphalt Pavement |
| 1650 | 907-403-A027 | (BA1) | 2,174 | Ton | 9.5-mm, HT, Asphalt Pavement |
| 1660 | 907-403-A028 | (BA1) | 59,865 | Ton | 12.5-mm, HT, Asphalt Pavement |
| 1670 | 907-403-A029 | (BA1) | 96,393 | Ton | 19-mm, HT, Asphalt Pavement |
| 1680 | 907-403-AA001 | (BA1) | 36,506 | Ton | Stone Matrix Asphalt, 9.5 mm Mixture |
| 1690 | 907-403-AA002 | (BA1) | 48,749 | Ton | Stone Matrix Asphalt, 12.5 mm Mixture |
| 1700 | 907-403-B020 | (BA1) | 23 | Ton | 9.5-mm, HT, Asphalt Pavement, Leveling |
| 1710 | 907-403-D010 | (BA1) | 8,785 | Ton | 9.5-mm, HT, Asphalt Pavement, Polymer Modified |
| 1720 | 907-403-D011 | (BA1) | 11,951 | Ton | 12.5-mm, HT, Asphalt Pavement, Polymer Modified |
| 1730 | 907-403-S004 | | 54 | Mile | Joint Sealant |
| 1740 | 907-406-A001 | | 2,640 | Square Yard | Cold Milling of Bituminous Pavement, All Depths |
| 1750 | 907-407-A001 | (A2) | 135,853 | Gallon | Asphalt for Tack Coat |
| 1760 | 907-413-E001 | | 2,267 | Linear Feet | Sawing and Sealing Transverse Joints in Asphalt Pavement |
| 1770 | 907-601-A001 | (S) | 666 | Cubic Yard | Class "B" Structural Concrete |
| 1780 | 907-601-B003 | (S) | 90 | Cubic Yard | Class "B" Structural Concrete, Minor Structures |
| 1790 | 907-605-O003 | (S) | 2,195 | Linear Feet | 4" Perforated Sewer Pipe for Underdrains, SDR 23.5 |
| 1800 | 907-605-P003 | (S) | 520 | Linear Feet | 4" Non-perforated Sewer Pipe for Underdrains, SDR 23.5 |
| 1810 | 907-618-A001 | | 1 | Lump Sum | Maintenance of Traffic |
| 1820 | 907-626-A005 | | 35 | Mile | 6" Thermoplastic Double Drop Traffic Stripe, Skip White |
| 1830 | 907-626-B005 | | 344 | Linear Feet | 6" Thermoplastic Double Drop Traffic Stripe, Continuous White |
| 1840 | 907-626-C003 | | 47 | Mile | 6" Thermoplastic Double Drop Edge Stripe, Continuous White |
| 1850 | 907-626-E004 | | 2 | Mile | 6" Thermoplastic Traffic Stripe, Continuous Yellow |

| Line No. | Item Code | Adj Code | Quantity | Units | Description [Fixed Unit Price] |
|---|---|---|---|---|---|
| 1860 | 907-626-E005 | | 2,213 | Linear Feet | 6" Thermoplastic Double Drop Traffic Stripe, Continuous Yellow |
| 1870 | 907-626-F003 | | 47 | Mile | 6" Thermoplastic Double Drop Edge Stripe, Continuous Yellow |
| 1880 | 907-626-G004 | | 21,432 | Linear Feet | Thermoplastic Detail Stripe, White |
| 1890 | 907-626-G005 | | 2,805 | Linear Feet | Thermoplastic Detail Stripe, Yellow |
| 1900 | 907-626-G006 | | 47,567 | Linear Feet | Thermoplastic Double Drop Detail Stripe, White |
| 1910 | 907-626-G007 | | 10,379 | Linear Feet | Thermoplastic Double Drop Detail Stripe, Yellow |
| 1920 | 907-626-H004 | | 884 | Linear Feet | Thermoplastic Legend, White |
| 1930 | 907-626-H005 | | 337 | Square Feet | Thermoplastic Legend, White |
| 1960 | 907-630-I001 | | 1 | Lump Sum | Metal Overhead Sign Supports, Assembly No. 1, Contractor Designed |
| 1970 | 907-630-I002 | | 1 | Lump Sum | Metal Overhead Sign Supports, Assembly No. 2, Contractor Designed |
| 1980 | 907-630-I003 | | 1 | Lump Sum | Metal Overhead Sign Supports, Assembly No. 3, Contractor Designed |
| 1990 | 907-630-I004 | | 1 | Lump Sum | Metal Overhead Sign Supports, Assembly No. 4, Contractor Designed |
| 2000 | 907-630-I005 | | 1 | Lump Sum | Metal Overhead Sign Supports, Assembly No. 5, Contractor Designed |
| 2010 | 907-630-I006 | | 1 | Lump Sum | Metal Overhead Sign Supports, Assembly No. 6, Contractor Designed |
| 2020 | 907-630-I007 | | 1 | Lump Sum | Metal Overhead Sign Supports, Assembly No. 7, Contractor Designed |
| 2030 | 907-630-I008 | | 1 | Lump Sum | Metal Overhead Sign Supports, Assembly No. 8, Contractor Designed |
| 2040 | 907-630-I009 | | 1 | Lump Sum | Metal Overhead Sign Supports, Assembly No. 9, Contractor Designed |
| 2050 | 907-630-I010 | | 1 | Lump Sum | Metal Overhead Sign Supports, Assembly No. 10, Contractor Designed |
| 2060 | 907-630-I012 | | 1 | Lump Sum | Metal Overhead Sign Supports, Assembly No. 11, Contractor Designed |
| 2070 | 907-630-I013 | | 1 | Lump Sum | Metal Overhead Sign Supports, Assembly No. 12, Contractor Designed |
| 2080 | 907-630-M001 | | 1 | Lump Sum | Pedestal Sign Support, Assembly No 1, Contractor Designed |
| 2090 | 907-630-M002 | | 1 | Lump Sum | Pedestal Sign Support, Assembly No 2, Contractor Designed |
| 2100 | 907-630-M006 | | 1 | Lump Sum | Pedestal Sign Support, Assembly No 3, Contractor Designed |
| 2110 | 907-630-PP010 | | 1,678 | Square Feet | Roadside Directional Signs, Sheet Aluminum, 0.125" Thickness, Ground Mounted |
| 2120 | 907-637-A001 | | 14 | Each | Equipment Cabinet, Type B |
| 2130 | 907-639-A006 | | 2 | Each | Traffic Signal Equipment Pole, Type II, 17' Shaft, 30' Arm |
| 2140 | 907-639-A007 | | 1 | Each | Traffic Signal Equipment Pole, Type II, 17' Shaft, 40' Arm |
| 2150 | 907-639-A008 | | 1 | Each | Traffic Signal Equipment Pole, Type II, 17' Shaft, 55' Arm |
| 2160 | 907-639-A009 | | 1 | Each | Traffic Signal Equipment Pole, Type II, 17' Shaft, 60' Arm |
| 2170 | 907-639-A011 | | 3 | Each | Traffic Signal Equipment Pole, Type II, 17' Shaft, 35' Arm |
| 2180 | 907-639-A012 | | 3 | Each | Traffic Signal Equipment Pole, Type II, 17' Shaft, 45' Arm |
| 2190 | 907-639-A119 | | 1 | Each | Traffic Signal Equipment Pole, Type II, 17' Shaft, 80' Arm |
| 2200 | 907-639-A158 | | 1 | Each | Traffic Signal Equipment Pole, Type III, 17' Shaft, 45' & 50' Arms |

| Line No. | Item Code | Adj Code | Quantity | Units | Description [Fixed Unit Price] |
|---|---|---|---|---|---|
| 2210 | 907-639-C002 | | 7 | Cubic Yard | Pole Foundations, 36" Diameter |
| 2220 | 907-639-C004 | | 20 | Cubic Yard | Pole Foundations, 30" Diameter |
| 2230 | 907-639-E001 | | 14 | Each | Camera Pole with Foundation, 50' Pole |
| 2240 | 907-639-PP001 | | 1 | Lump Sum | Installation of Camera Pole with Foundation |
| 2250 | 907-641-C001 | | 1 | Each | Signal Radar Detection System |
| 2260 | 907-649-A004 | | 3 | Each | Video Detection System, 1 Sensor, Type 2 |
| 2270 | 907-649-D002 | | 6 | Each | Multi-Sensor Detection System, 1 Sensor |
| 2280 | 907-650-A002 | | 28 | Each | On Street Video Equipment, Fixed Type |
| 2290 | 907-650-A003 | | 14 | Each | On Street Video Equipment, PTZ Type |
| 2300 | 907-656-A002 | | 4 | Each | Dynamic Message Sign, Type 2 |
| 2310 | 907-656-B001 | | 1 | Lump Sum | Dynamic Message Sign Training |
| 2320 | 907-657-A001 | | 87,785 | Linear Feet | Fiber Optic Cable, 72 SM |
| 2330 | 907-657-A002 | | 5,195 | Linear Feet | Fiber Optic Cable, 12 SM |
| 2340 | 907-657-B001 | | 2,050 | Linear Feet | Fiber Optic Drop Cable, 12 SM |
| 2350 | 907-658-A005 | | 17 | Each | Network Switch, Type A |
| 2360 | 907-659-A001 | | 1 | Lump Sum | Traffic Management Center Modifications |
| 2370 | 907-659-C001 | | 1 | Lump Sum | Traffic Management Center Modifications - Training |
| 2380 | 907-660-PP001 | | 1 | Lump Sum | Communications Hut Modification, Per Plans |
| 2390 | 907-668-E002 | | 70,725 | Linear Feet | Traffic Signal Conduit Bank, Underground, Rolled Pipe, 2 @ 2" |
| 2400 | 907-668-F002 | | 8,110 | Linear Feet | Traffic Signal Conduit Bank, Underground, Drilled or Jacked,Rolled Pipe, 2 @ 2" |
| 2410 | 907-668-G001 | | 265 | Linear Feet | Traffic Signal Conduit Bank, Aerial Supported, Type I, 3 @ 2" |
| 2420 | 907-668-G002 | | 4,645 | Linear Feet | Traffic Signal Conduit Bank, Aerial Supported, Type I, 2 @ 2" |
| 2430 | 907-668-G003 | | 3,830 | Linear Feet | Traffic Signal Conduit Bank, Aerial Supported, Type FRP, 2@ 2" |
| 2440 | 907-670-A001 | | 13 | Each | ITS Radar Detection System |
| 2450 | 907-697-A001 | | 3 | Each | Bluetooth Detection System, Type A |
| 2460 | 907-699-A002 | | 1 | Lump Sum | Roadway Construction Stakes |
| 2470 | 907-815-F001 | (S) | 33 | Ton | Sediment Control Stone |
| 2480 | 907-823-A001 | | 2,548 | Linear Feet | Preformed Joint Seal, Type I |
| 2490 | 907-823-A002 | | 3,341 | Linear Feet | Preformed Joint Seal, Type II |
| 2500 | 907-823-B001 | | 1,680 | Linear Feet | Saw Cut, Type I |
| 2510 | 907-823-B002 | | 612 | Linear Feet | Saw Cut, Type II |
| 2520 | 907-906001 | | 2,080 | Hours | Trainees [$5.00] |

**ALTERNATE GROUP AA NUMBER 1**

| Line No. | Item Code | Adj Code | Quantity | Units | Description [Fixed Unit Price] |
|---|---|---|---|---|---|
| 2530 | 907-304-F002 | (GT) | 72,705 | Ton | Size 610 Crushed Stone Base |
| | | | **ALTERNATE GROUP AA NUMBER 2** | | |
| 2540 | 907-304-F003 | (GT) | 72,705 | Ton | 3/4" and Down Crushed Stone Base |
| | | | **ALTERNATE GROUP AA NUMBER 3** | | |
| 2550 | 907-304-F004 | (GT) | 72,705 | Ton | Size 825B Crushed Stone Base |
| | | | **ALTERNATE GROUP BB NUMBER 1** | | |
| 2560 | 907-308-A001 | | 15,940 | Ton | Portland Cement |
| 2570 | 907-308-B001 | (M) | 885,186 | Square Yard | Soil-Cement-Water Mixing, Optional Mixers, Base |
| 2580 | 907-308-B002 | (M) | 666,959 | Square Yard | Soil-Cement-Water Mixing, Optional Mixers, Design Soil |
| 2590 | 907-308-S001 | (A3) | 388,038 | Gallon | Bituminous Curing Seal |
| | | | **ALTERNATE GROUP BB NUMBER 2** | | |
| 2600 | 907-311-A003 | (M) | 1,552,145 | Square Yard | Processing Lime and Fly Ash Treated Course, 6" Thick |
| 2610 | 907-311-B001 | | 11,314 | Ton | Lime |
| 2620 | 907-311-C001 | | 45,254 | Ton | Fly Ash, Class C |
| 2630 | 907-311-S001 | (A3) | 388,038 | Gallon | Bituminous Curing Seal |

ADDENDUM

FMS CON:102556/306000 & 307000

| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(018) |


| DESCRIPTION OF SHEET | WKG. NO. | SH. NO. |
|---|---|---|
| TITLE SHEET (1) | 1 | 1 |
| DETAIL INDEX & GENERAL NOTES (8) | | |
| DETAILED INDEX | DI-1 | 2 |
| DETAILED INDEX | DI-2 | 3 |
| DETAILED INDEX | DI-3 | 4 |
| DETAILED INDEX | DI-4 | 5 |
| DETAILED INDEX | DI-5 | 6 |
| GENERAL NOTES | GN-1 | 7 |
| GENERAL NOTES | GN-2 | 8 |
| GENERAL NOTES (ITS) | GN-ITS | 9 |
| TYPICAL SECTIONS (8) | | |
| TYPICAL SECTIONS - MAINLINE I-269 | TS-1 | 10 |
| TYPICAL SECTIONS - INTERCHANGE RAMPS AND COLLECTOR-DISTRIBUTOR ROAD | TS-2 | 11 |
| TYPICAL SECTIONS - INTERCHANGE RAMPS AND COLLECTOR-DISTRIBUTOR ROAD | TS-3 | 12 |
| TYPICAL SECTIONS - NORTHEAST AND SOUTHEAST RAMPS AT U.S. 78 | TS-4 | 13 |
| TYPICAL SECTIONS - CHANNELIZED INTERSECTION AT INTERCHANGE RAMPS | TS-5 | 14 |
| TYPICAL SECTIONS - PAVEMENT AT BRIDGE END SLAB | TS-6 | 15 |
| TYPICAL SECTIONS - RED BANKS ROAD | TS-7 | 16 |
| TYPICAL SECTIONS | TS-8 | 17 |
| QUANTITY SHEETS (22) | | |
| SUMMARY OF QUANTITIES | SQ-1 | 18 |
| SUMMARY OF QUANTITIES | SQ-2 | 19 |
| SUMMARY OF QUANTITIES | SQ-3 | 20 |
| SUMMARY OF QUANTITIES | SQ-4 | 21 |
| SUMMARY OF QUANTITIES | SQ-5 | 22 |
| SUMMARY OF QUANTITIES | SQ-6 | 23 |
| SUMMARY OF QUANTITIES | SQ-7 | 24 |
| ESTIMATED QUANTITIES FOR PIPE CULVERT DRAINAGE STRUCTURES | EQ-1 | 25 |
| ESTIMATED QUANTITIES FOR HYDRAULIC DESIGN, EARTHWORK, BOX CULVERTS TEMPORARY EROSION CONTROL ITEMS | EQ-2 | 26 |
| ESTIMATED QUANTITIES FOR TRAFFIC CONTROL ITEMS AND CURB AND GUTTER | EQ-3 | 27 |
| ESTIMATED QUANTITIES FOR TRAFFIC CONTROL SIGNS - DESOTO COUNTY | EQ-4 | 28 |
| ESTIMATED QUANTITIES FOR TRAFFIC CONTROL SIGNS - MARSHALL COUNTY | EQ-5 | 29 |
| ESTIMATED QUANTITIES FOR BRIDGE END PAVEMENT AND GUARD RAIL | EQ-6 | 30 |
| ESTIMATED QUANTITIES FOR PAVEMENT MARKINGS | EQ-7 | 31 |
| ESTIMATED QUANTITIES FOR STANDARD ROADSIDE SIGN ASSEMBLIES (DESOTO CO.) | EQ-8 | 32 |
| ESTIMATED QUANTITIES FOR STANDARD ROADSIDE SIGN ASSEMBLIES (MARSHALL CO.) | EQ-9 | 33 |
| ESTIMATED QUANTITIES FOR STANDARD ROADSIDE SIGNS | EQ-10 | 34 |
| ESTIMATED QUANTITIES FOR STANDARD ROADSIDE SIGNS | EQ-11 | 35 |
| ESTIMATED QUANTITIES FOR DIRECTIONAL SIGN ASSEMBLIES | EQ-12 | 36 |
| ESTIMATED QUANTITIES FOR REMOVAL ITEMS, PERMANENT EROSION CONTROL | EQ-13 | 37 |
| ESTIMATED QUANTITIES FOR ITS ITEMS | EQ-14 | 38 |
| ESTIMATED QUANTITIES FOR ITS ITEMS | EQ-15 | 39 |
| PLAN & PROFILE SHEETS (50) | | |
| MAIN FACILITY - STA. B.O.P. - STA. 510+00 | 3 | 40 |
| HWY. NO. 305 - RELOCATION | 3-A | 41 |
| HWY. NO. 305 - RELOCATION | 3-B | 42 |
| HWY. NO. 305 - SOUTHEAST RAMP | 3-C | 43 |
| HWY. NO. 305 - NORTHEAST RAMP | 3-D | 44 |
| MAIN FACILITY - STA. 510+00 - STA. 525+00 | 4 | 45 |
| MAIN FACILITY - STA. 525+00 - STA. 550+00 | 5 | 46 |
| MAIN FACILITY - STA. 550+00 - STA. 580+00 | 6 | 47 |
| MAIN FACILITY - STA. 580+00 - STA. 610+00 | 7 | 48 |
| MAIN FACILITY - STA. 610+00 - STA. 625+00 | 8 | 49 |
| MAIN FACILITY - STA. 625+00 - STA. 640+00 | 9 | 50 |
| MAIN FACILITY - STA. 640+00 - STA. 670+00 | 10 | 51 |
| MAIN FACILITY - STA. 670+00 - STA. 700+00 | 11 | 52 |
| MAIN FACILITY - STA. 700+00 - STA. 730+00 | 12 | 53 |
| LAYOUT OF INTERCHANGE - REDBANKS ROAD | 12-A | 54 |
| NORTH WEST RAMP AT REDBANKS ROAD | 12-B | 55 |
| NORTH EAST RAMP AT REDBANKS ROAD | 12-C | 56 |
| SOUTH WEST RAMP AT REDBANKS ROAD | 12-D | 57 |
| SOUTH EAST RAMP AT REDBANKS ROAD | 12-E | 58 |
| MAIN FACILITY - STA. 730+00 - STA. 760+00 | 13 | 59 |
| MAIN FACILITY - STA. 760+00 - STA. 790+00 | 14 | 60 |
| MAIN FACILITY - STA. 790+00 - STA. 820+00 | 15 | 61 |

| DESCRIPTION OF SHEET | WKG. NO. | SH. NO. |
|---|---|---|
| PLAN & PROFILE SHEETS (CONTINUED) | | |
| MAIN FACILITY - STA. 820+00 - STA. 850+00 | 16 | 62 |
| LAYOUT OF INTERCHANGE AT U.S. HWY 78 | 16-A | 63 |
| LAYOUT OF INTERCHANGE AT U.S. HWY 78 | 16-B | 64 |
| NORTH WEST LOOP AT U.S. HWY 78 | 16-C | 65 |
| NORTH WEST RAMP AT U.S. HWY 78 | 16-D | 66 |
| NORTH WEST RAMP AT U.S. HWY 78 | 16-E | 67 |
| NORTH EAST RAMP AT U.S. HWY 78 | 16-F | 68 |
| NORTH EAST LOOP AT U.S. HWY 78 | 16-G | 69 |
| SOUTH WEST RAMP AT U.S. HWY 78 | 16-H | 70 |
| SOUTH WEST LOOP AT U.S. HWY 78 | 16-I | 71 |
| SOUTH EAST RAMP AT U.S. HWY 78 | 16-J | 72 |
| SOUTH EAST LOOP AT U.S. HWY 78 | 16-K | 73 |
| NORTH BOUND C-D ROAD AT U.S. HWY 78 | 16-L | 74 |
| NORTH BOUND C-D ROAD AT U.S. HWY 78 | 16-M | 75 |
| NORTH BOUND C-D ROAD AT U.S. HWY 78 | 16-N | 76 |
| NORTH BOUND C-D ROAD AT U.S. HWY 78 | 16-O | 77 |
| SOUTH BOUND C-D ROAD AT U.S. HWY 78 | 16-P | 78 |
| SOUTH BOUND C-D ROAD AT U.S. HWY 78 | 16-Q | 79 |
| SOUTH BOUND C-D ROAD AT U.S. HWY 78 | 16-R | 80 |
| SOUTH BOUND C-D ROAD AT U.S. HWY 78 | 16-S | 81 |
| EAST BOUND C-D ROAD AT U.S. HWY 78 | 16-T | 82 |
| EAST BOUND C-D ROAD AT U.S. HWY 78 | 16-U | 83 |
| EAST BOUND C-D ROAD AT U.S. HWY 78 | 16-V | 84 |
| WEST BOUND C-D ROAD AT U.S. HWY 78 | 16-W | 85 |
| WEST BOUND C-D ROAD AT U.S. HWY 78 | 16-X | 86 |
| WEST BOUND C-D ROAD AT U.S. HWY 78 | 16-Y | 87 |
| WEST BOUND C-D ROAD AT U.S. HWY 78 | 16-Z | 88 |
| MAIN FACILITY - STA. 850+00 TO STA. EOP | 17 | 89 |
| DETAILS OF CONSTRUCTION SIGNING & TRAFFIC CONTROL PLAN (7) | | |
| DETAIL CONSTRUCTION SIGNING | DCS-1 | 90 |
| TRAFFIC CONTROL PLAN (MS HWY NO 305) | TC-1 | 91 |
| TRAFFIC CONTROL PLAN (MS HWY NO 305) | TC-2 | 92 |
| TRAFFIC CONTROL PLAN (REDBANKS ROAD) | TC-3 | 93 |
| TRAFFIC CONTROL PLAN (REDBANKS ROAD) | TC-4 | 94 |
| TRAFFIC CONTROL PLAN (U.S. HWY NO 78) | TC-5 | 95 |
| TRAFFIC CONTROL PLAN (U.S. HWY NO 78) | TC-6 | 96 |
| INTERSECTION DETAIL SHEETS (3) | | |
| INTERSECTION DETAIL - REDBANKS ROAD (STA. 25+50) | ID-1 | 97 |
| INTERSECTION DETAIL - REDBANKS ROAD (STA. 37+28.21) | ID-2 | 98 |
| INTERSECTION DETAIL - MS HWY 305 & NORTHEAST RAMP | ID-3 | 99 |
| FORM GRADES (29) | | |
| FORM GRADES - I-269/SR304 FROM I55 TO SR305 SE AND NE RAMPS AT SR305 | FG-1 | 100 |
| FORM GRADES - SOUTHWEST RAMP AT RED BANKS ROAD | FG-2 | 101 |
| FORM GRADES - RED BANKS ROAD SOUTHWEST RAMP | FG-2A | 102 |
| FORM GRADES - NORTHWEST RAMP @ RED BANKS ROAD | FG-3 | 103 |
| FORM GRADES - RED BANKS ROAD NORTHWEST RAMP | FG-3A | 104 |
| FORM GRADES - SOUTHEAST RAMP @ RED BANKS ROAD | FG-4 | 105 |
| FORM GRADES - RED BANKS ROAD SOUTHEAST RAMP | FG-4A | 106 |
| FORM GRADES - NORTHEAST RAMP @ RED BANKS ROAD | FG-5 | 107 |
| FORM GRADES - RED BANKS ROAD NORTHEAST RAMP | FG-5A | 108 |
| FORM GRADES - NORTHBOUND CD RD. EXIT FROM NB I-269 | FG-6 | 109 |
| FORM GRADES - SOUTHEAST RAMP EXIT FROM NB CD RD. AT U.S. 78 | FG-7 | 110 |


NEEL-SCHAFFER

| PS & E PLANS-DATE 01/08/16 | | |
|---|---|---|
| FMS CON. # 102556/306000 & 307000 | | |
| REVISIONS | | |
| DATE | SHEET NO. | BY |
| 2-12-16 | 4,6,18,19,20,21,22,26, 68,167,271,7005,7008, 7011-7013,7075-7077 | RTM |
| 6-17-16 | 6,8,9,18,19,20,22,24, 25,26,37,40,42,44,50, 195,197,199,205, 1001-1015,3022,3023, 3024,9045-9050 | RTM |

RAYMOND KYLE ELDSON LICENSED PROFESSIONAL ENGINEER 15139 STATE OF MISSISSIPPI

06-17-16

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**DETAIL INDEX**

***Project No.: STP-0029-02(018)***

***County: DESOTO & MARSHALL***

FILENAME: INDEX.DGN

DESIGN TEAM ____ CHECKED ____ DATE ____

WORKING NUMBER DI-1

SHEET NUMBER 2

BY | REVISION | DATE

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

6/16/2016 15:19:53 INDEX.DGN

ADDENDUM

FMS CON:102556/306000 & 307000

| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(018) |

| DESCRIPTION OF SHEET | WKG. NO. | SH. NO. |
|---|---|---|
| **STANDARD BRIDGE DRAWINGS (8)** 1 | | |
| BASIC CULVERT DRAWING COLLAR LOCATIONS NORMAL AND SKEWED CULVERTS GROUP I DIAGRAMS * | IBJL-1 | 7005 |
| COLLAR DETAILS FOR BOX STRUCTURES (SINGLE & DOUBLE) | ICJ-1 | 7008 |
| BARREL DETAILS FOR SINGLE CELL BOX CULVERT - HEIGHT 6 FT. SPANS 6-20 FT. | IBS-6 | 7011 |
| BARREL DETAILS FOR SINGLE CELL BOX CULVERT - HEIGHT 6 FT. SPANS 6-20 FT. | IBS-6 | 7012 |
| BARREL DETAILS FOR SINGLE CELL CULVERT - HEIGHT 6 FT. SPANS 6-20 FT. | IBS-6 | 7013 |
| WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING-SINGLE CELL 30° SKEW DETAILS - HEIGHT 6-12 FT. SPANS 6-24 FT. | IWS-3W-30 | 7075 |
| WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING-SINGLE CELL 30° SKEW DETAILS - HEIGHTS 6 FT. SPANS 6-20 FT. | IWS-6-3W-30 | 7076 |
| WINGS WITH 3:1 SLOPE FOR BASIC CULVERT DRAWING-SINGLE CELL 30° SKEW DETAILS - HEIGHTS 6 FT. SPANS 6-20 FT. | IWS-6-3W-30 | 7077 |

1 REVISED ALL STANDARD BRIDGE DRAWINGS

| CROSS SECTIONS (50) 2 | |
|---|---|
| NORTHEAST RAMP AT U.S. HWY 78 | 9001-9004 |
| NORTHEAST RAMP AT U.S. HWY 78 | 9005-9023 |
| NORTHWEST RAMP AT U.S. HWY 78 | 9024-9037 |
| NORTHWEST RAMP AT U.S. HWY 78 | 9038-9044 |
| 2 305 DRIVE | 9045-9049 |
| 2 305 NE-R | 9050-9050 |

TOTAL SHEETS (NOT INCLUDING BRIDGE SHEETS) 465 1 2

RAYMOND KYLE EDSON (JR.) LICENSED PROFESSIONAL ENGINEER 15139 STATE OF MISSISSIPPI

06-17-16

| DATE | REVISION | BY |
|---|---|---|
| 6-17-16 | REVISED SPEC. DES./X-SECT/TOT. SHTS | RTM 2 |
| 2-12-16 | REVISED STANDARDS/TOTAL SHEETS | RTM 1 |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**DETAIL INDEX**

***Project No.: STP-0029-02(018)***

***County: DESOTO & MARSHALL***

WORKING NUMBER DI-5

FILENAME: INDEX.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

SHEET NUMBER 6

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

6/13/2016 15:14:14 INDEX.DGN

# GENERAL NOTES – CONTINUED

(25) ALL EXCAVATION FOR THE SIGN POSTS OR FOOTINGS IS TO BE INCLUDED IN THE COST FOR OTHER ITEMS BID FOR CONSTRUCTION.

(26) ALL SIGNING POST, PIPE, AND I–BEAM LENGTHS ARE ESTIMATED. CONTRACTOR IS RESPONSIBLE FOR PERFORMING FIELD SURVEY TO DETERMINE THE EXACT LENGTH REQUIRED.

(27) DIRECT APPLIED LEGEND, BORDERS, AND SHIELD ARE TO BE USED ON ALL GUIDE SIGNS. RIVETS WILL NOT BE ALLOWED.

(28) ALL SIGNS, SIGNALS, PAVEMENT MARKINGS AND TEMPORARY TRAFFIC CONTROL DEVICES ARE TO CONFORM TO THE MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) (CURRENT EDITION).

(29) ALL POLES, PULL BOXES, CONTROLLERS AND PAVEMENT MARKINGS SHALL BE FIELD LOCATED BY THE ENGINEER AND THE CONTRACTOR AT THE NEAREST PRACTICAL LOCATION INDICATED ON THE PLAN SHEETS.

(30) ALL SIGNAL MAST ARM POLES TO BE GALVANIZED STEEL UNLESS SPECIFIED AS WOOD POLE. CONTRACTOR TO VERIFY ALL MAST ARM POLE LOCATIONS TO BE SURE THERE ARE NO UTILITY CONFLICTS PRIOR TO ORDERING POLES.

(31) SIGNAL CONTROLLER TIMINGS TO BE PROVIDED BY THE ENGINEER.

(32) SPECIFICATIONS FOR SIGNAL SHALL BE THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION.

(33) TRAFFIC SIGNAL CABLE IN MAST ARMS TO BE MEASURED AND PAID FOR AS ELECTRICAL CABLE, AERIAL SUPPORTED IN CONDUIT, IMSA 20–1, AWG #14–8 CONDUCTOR, (PAY ITEM 666–C017).

(34) WHERE MILLING OF THE ROADWAY LANE IS REQUIRED, THE CONTRACTOR SHALL PROVIDE OUTLETS IN THE EXISTING SHOULDERS AT SUFFICIENT INTERVALS TO PREVENT POOLING OR STANDING WATER.

(35) THE CONTRACTOR SHALL MAKE THE APPLICATION FOR POWER SERVICE, COORDINATING WITH UTILITY OFFICIALS IN ADVANCE OF REQUIRING THE ELECTRICAL SERVICE AND INCIDENTALS NECESSARY FOR SUPPLY OF POWER. COST SHALL BE ABSORBED IN OTHER ITEMS OF CONSTRUCTION.

(36) FOR ADDITIONAL NOTES REGARDING TRAFFIC CONTROL, SEE WK. SH. TC–ITS–1 & TC–ITS–2.

(37) FOR ADDITIONAL NOTES REGARDING TRAFFIC SIGNALS, SEE WK. SH. TSD–1.

(38) FOR ITS GENERAL NOTES, SEE WK. SH. GN–ITS.

(39) FOR FIBER OPTIC GENERAL NOTES, SEE WK. SH. FO–1.

(40) FOR CCTV GENERAL NOTES, SEE WK. SH. CCTV–1.

(41) FOR RADAR DETECTION SYSTEM GENERAL NOTES, SEE WK. SH. CCTV–1.

△1

(43) BRIDGE JOINTS ON I–269 ARE TO BE SEALED BEFORE THE ROADWAY IS OPENED TO TRAFFIC.

(44) IF POLYACRYLAMIDE (PAM) POLYMER IS USED FOR EROSION CONTROL OF SOIL ON CONSTRUCTION SITES, WRITTEN NOTIFICATION OF THE USE OF PAM SHALL BE INCLUDED IN THE STORM WATER POLLUTION PREVENTION PLAN /EROSION CONTROL PLAN SUBMITTED TO MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY, OFFICE OF POLLUTION CONTROL, CONSTRUCTION AND BUILDING MATERIALS PERMITS BRANCH. THIS NOTIFICATION SHALL INCLUDE A WRITTEN PLAN FOR THE SPECIFIC APPLICATION AREA(S) WHICH WILL DESCRIBE: HOW UNIFORM COVERAGE WILL BE ENSURED AND HOW APPLICATION ONTO NON–TARGET AREAS (INCLUDING WATERS OF THE STATE) WILL BE PREVENTED. PAM SHALL MEET THE REQUIREMENTS OF SPECIAL PROVISION NO. 907–250. THERE SHALL BE NO DISCHARGE OF PAM INTO STATE WATERS.

(45) DOUBLE DROP THERMOPLASTIC WILL BE USED ON ALL BRIDGE DECKS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT THE PREFORMED JOINT MATERIAL. ANY DAMAGE CAUSED BY THE THERMOPLASTIC WILL BE REPAIRED AT NO COST TO THE STATE.

(46) MINOR SITE GRADING MAY BE REQUIRED AT GUARDRAIL PADS. COST TO BE INCLUED IN EXISTING PAY ITEMS.

| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(018) |

## GENERAL NOTES

1. ALL SIGNS AND TRAFFIC CONTROL DEVICES USED ON THIS PROJECT SHALL COMPLY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION).
2. FLUORESCENT ORANGE SHEETING SHALL BE USED ON ALL CONSTRUCTION AND TRAFFIC CONTROL SIGNS EXCEPT FOR THOSE DESIGNATED IN THE PLANS TO BE BLACK LEGEND AND BORDER ON WHITE BACKGROUND.
3. EXISTING UNDERGROUND UTILITIES ARE NOT SHOWN ON THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING HIS OWN INDEPENDENT INVESTIGATIONS, INCLUDING SUB-SURFACE INVESTIGATIONS AS MAY BE NECESSARY TO LOCATE UTILITIES WITHIN THE PROJECT LIMITS. IN ADDITION, THE CONTRACTOR SHALL NOTIFY MDOT DISTRICT TWO MAINTENANCE PERSONNEL AT LEAST TWO WEEKS IN ADVANCE OF WORK WITHIN EACH AREA, SO THAT MDOT UTILITIES CAN BE FIELD LOCATED.
4. EQUIPMENT AND GUARD RAIL SHOWN ON THESE PLANS ARE IN APPROXIMATE LOCATIONS. ALL EQUIPMENT AND GUARD RAIL SHALL BE FIELD LOCATED BY THE CONTRACTOR WITH PROPOSED LOCATIONS APPROVED BY MDOT TO VERIFY PROPER PLACEMENT AND BEST SIGHT DISTANCE FOR DYNAMIC MESSAGE SIGNS, ADEQUATE ROADSIDE PROTECTION, ETC. THE CONTRACTOR SHALL STAKE EACH PROPOSED LOCATION A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO REVIEW BY MDOT. THE COST OF FIELD STAKING WILL NOT BE MEASURED FOR SEPARATE PAYMENT AND SHALL BE ABSORBED UNDER OTHER ITEMS OF WORK. THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT, PULLBOXES, AND CONDUIT WITHIN PUBLIC RIGHT-OF-WAY.
5. ROADWAY EDGE OF ABOVE GROUND ITS EQUIPMENT TO BE 30' MIN. FROM EDGE OF TRAVEL LANE (E.O.T.L.) TO MAINTAIN CLEAR ZONE UNLESS PROTECTED BY GUARD RAIL OR BRIDGE RAIL.
6. FIELD LOCATION ADJUSTMENTS MAY BE REQUIRED AT TIME OF EQUIPMENT INSTALLATION DUE TO POTENTIAL CONFLICTS OR OTHER FACTORS THAT WERE UNIDENTIFIABLE DURING THE PROJECT DESIGN PHASE. ANY REQUIRED ADJUSTMENT'S SHALL BE APPROVED BY THE PROJECT ENGINEER.
7. CONTRACTOR SHALL FIELD VERIFY CAMERA SITE LOCATION AND ORIENTATION FOR COMPLETE COVERAGE OF ROADWAY PRIOR TO INSTALLING CAMERAS. LOCATIONS AND ORIENTATIONS TO BE APPROVED BY THE PROJECT ENGINEER.
8. CLEARING AND GRUBBING, WHERE REQUIRED BY THE ENGINEER TO COMPLETE THE CONDUIT, GUARDRAIL, AND I.T.S. EQUIPMENT INSTALLATIONS SHOWN ON THESE PLANS, WILL BE PERFORMED IN ACCORDANCE WITH SECTION 201 OF THE MDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION. CLEARING AND GRUBBING SHALL BE COST ABSORBED INTO OTHER ITEMS OF WORK.
9. THE COST OF DISPOSING OF ALL UNUSED OR REMOVED MATERIALS SHALL BE ABSORBED FOR PAYMENT IN OTHER ITEMS.
10. THE I.T.S. CONTRACTOR SHALL REPAIR ANY DAMAGE TO THE SHOULDER MATERIALS WHICH MIGHT OCCUR DURING CONSTRUCTION. ANY REPAIR TO SHOULDERS WILL BE PERFORMED IN ACCORDANCE WITH SECTION 410 OF THE MDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (2004 EDITION). NO PAYMENT WILL BE MADE FOR REPAIR OF DAMAGED SHOULDERS.
11. ANY AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR (INCLUDING SITE GRADING) AS DIRECTED BY THE ENGINEER. ALL REMOVAL AND REPLACEMENT OF SIDEWALKS, ASPHALT, CONCRETE, SOD, GRASSING, AND SOIL SHALL BE ABSORBED UNDER THE PAY ITEMS FOR THE CONDUIT.
12. THE CONTRACTOR SHALL MAKE THE APPLICATION FOR POWER SERVICE, COORDINATING WITH MDOT AND LOCAL OFFICIALS IN ADVANCE OF REQUIRING THE ELECTRICAL SERVICES. IF ELECTRICAL SERVICE REQUIRES A SERVICE METER TO BE INSTALLED, CONTRACTOR TO CONTACT THE ELECTRIC UTILITY OWNER. ANY INSTALLATIONS OF AERIAL POWER CIRCUITS, POWER PANELS OR WOOD POLES TO PROVIDE POWER SERVICE SHALL MEET LOCAL EPA REQUIREMENTS AND BE COST ABSORBED. CONTRACTOR SHALL ESTABLISH POWER SERVICE IN HIS OR HER BILLING ADDRESS, AND SHALL PAY ALL UTILITY CONNECTION CHARGES AND CHARGES FOR SERVICE UNTIL FINAL PROJECT ACCEPTANCE. ALL TRANSFORMERS AND/OR TERMINAL BLOCKS NEEDED AT THE POWER SERVICE POINT OR AT THE DEVICE LOCATIONS SHALL BE COST ABSORBED IN OTHER ITEMS.
13. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UTILITY MAKE-READY COST INCURRED TO PROVIDE POWER AND COMMUNICATION SERVICES TO THE EQUIPMENT, NOT A SEPARATE PAY ITEM (COST ABSORBED IN MOBILIZATION PAY ITEM 620-A001). THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING AN INDEPENDENT INVESTIGATION INTO UTILITY MAKE-READY COST FOR BIDDING PURPOSES.
14. ALL FIBER OPTIC PULLBOXES SHALL BE EITHER TYPE 4 OR TYPE 5 AS NOTED ON THE PLANS. EACH BELOW GROUND PULLBOX SHALL INCLUDE ADDITIONAL FIBER CABLE SLACK (SEE SPEC. PROVISION 907-657 FOR DETAILS.) THE ADDITIONAL CABLE SHALL BE COST ABSORBED UNDER PAY ITEM NO. 907-657-A. 1 1
15. ALL FIBER SPLICES REQUIRED TO CONNECT TRUNK AND DROP CABLE TO NEW AND EXISTING EQUIPMENT SHALL NOT BE A SEPARATE PAY ITEM, BUT SHALL BE ABSORBED UNDER ITEM NOS. 907-657-A.
16. CONDUIT FOR POWER SUPPLY MAY BE RUN IN THE SAME TRENCH LINE AS COMMUNICATION LINES (SEE WKG. NO. FO-1), HOWEVER, SEPARATE ELECTRICAL PULLBOXES ARE TO BE INSTALLED. CONTRACTOR TO REVIEW PLANS BEFORE INSTALLING PULLBOXES AND FOUNDATIONS TO ASSURE ALL REQUIRED PULLBOXES AND CONDUITS ARE INSTALLED.
17. PAYMENT FOR FIBER OPTIC CABLE, POWER CABLE, COMMUNICATION CABLE, AND CONDUIT SHALL BE MEASURED BASED ON HORIZONTAL MEASUREMENTS, NO ADDITIONAL PAYMENT WILL BE MADE FOR ANY VERTICAL RUNS OR SLACK IN PULLBOXES.
18. UNDERGROUND DRILLED OR JACKED CONDUIT SHALL BE INSTALLED AT A MINIMUM DEPTH OF FIVE FEET AND UNDERGROUND TRENCHED CONDUIT SHALL BE INSTALLED AT A MINIMUM DEPTH OF THREE FEET UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
19. CONDUIT TO BE SEALED WITH DUCT SEALER ONCE CABLE IS INSTALLED, NOT A SEPARATE PAY ITEM (COST ABSORBED).
20. FOR CONDUIT BANKS, ONE OR MORE (AS INDICATED ON THE PLANS) OF THE CONDUITS WILL BE FOR FUTURE USE AND SHALL INCLUDE A PULL STRING.
21. A TRACER (AWG #10 GREEN) WIRE SHALL BE INSTALLED IN CONDUIT THAT CARRIES FIBER OPTIC CABLE. COST OF THE TRACER WIRE SHALL BE ABSORBED UNDER PAY ITEM NO. 907-657-A.
22. REEL-END SPLICE LOCATIONS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL AND SHALL NOT OCCUR MORE OFTEN THAN EVERY 10,000 FEET. REEL-END SPLICES SHALL BE MADE IN A TYPE 5 PULLBOX AND SHALL UTILIZE A TYPE 5 PULLBOX ALREADY SHOWN ON THE PLANS, UNLESS OTHER LOCATIONS ARE APPROVED BY THE ENGINEER.

## GENERAL NOTES (CONT'D.)

23. THE END POINT OF FIBER OPTIC TRUNK RUNS AT THE B.O.P. AND E.O.P. SHALL END IN TYPE 5 PULLBOX WITH 200 FEET OF SLACK. THESE SHALL BECOME SPLICE POINTS WHEN CONNECTION TO 72 SM FIBER RUNNING OUTSIDE THE PROJECT LIMITS IS INSTALLED UNDER SEPARATE CONTRACT(S). CONTRACTOR WILL BE REQUIRED TO MAKE TRUNK TO TRUNK SPLICE IF 72SM FIBER INSTALLED UNDER SEPERATE CONTRACT HAS BEEN INSTALLED AND IS IN PLACE AND TYPE 5 PULLBOX SHOWN AT END OF RUN WILL NOT BE REQUIRED. TRUNK LINE SHALL BE CONNECTED TO EXISTING U.S. 78 FIBER RUN AT EXISTING COMMUNICATIONS HUT ON 78. THIS REQUIRES A 144 COUNT SPLICE PANEL. THE COST OF THIS TERMINATION PANEL AND RELATED EQUIPMENT SHALL BE PAID FOR UNDER PAY ITEM NO. 907-660-PP001. THE COST OF OTHER TERMINATION PANELS AND RELATED EQUIPMENT IN EQUIPMENT CABINETS SHALL BE ABSORBED IN ITEM 907-657-A.
24. THE CONTRACTOR SHALL INSTALL MDOT FURNISHED CAMAERA POLE PLUS EQUIPMENT FOR CAMERAS AND RDS (CCTV #8 - SEE WORKING NUMBER ITS-16). THE COST OF THE INSTALLATION, FOUNDATION AND RELATED EQUIPMENT SHALL BE PAID FOR UNDER PAY ITEM NO. 907-639-PP001.
25. THE CONTRACTOR MAY MAKE A SINGLE JACK OR BORE FOR INSTALLATION OF MULTIPLE CONDUITS (CONDUIT BANK) AT A ROADWAY CROSSING, RATHER THAN JACKING OR BORING INDIVIDUAL CONDUITS. THE CONDUIT BANK LABEL DESCRIBES THE NUMBER OF CONDUITS REQUIRED. SEPARATE PAYMENT IS NOT MADE FOR EACH INDIVIDUAL CONDUIT. IF A SLEEVE IS USED NO ADDITIONAL PAYMENT WILL BE GIVEN FOR THE SLEEVE.
26. WHERE THE CONTRACTOR ENCOUNTERS PAVED DITCHES IN ROUTING OF CONDUIT, HE MAY TRENCH AND REPLACE DITCH OR JACK UNDER DITCH. THIS IS NOT A SEPARATE PAY ITEM. DAMAGE TO PAVED DITCHES (AND/OR OTHER STRUCTURES) CAUSED BY CONTRACTOR DURING THIS PROJECT SHALL BE REPAIRED (AS DIRECTED BY THE ENGINEER) AT NO COST TO THE STATE.
27. ALL FIBERGLASS CONDUIT (FRP) SHALL BE GRAY IN COLOR.
28. THE CONTRACTOR IS TO REMOVE AND RESET ANY SIGNS WHICH CONFLICT WITH CONSTRUCTION. THE COST SHALL BE ABSORBED IN THE PAY ITEM FOR MAINTENANCE OF TRAFFIC (NOT A SEPARATE PAY ITEM).
29. CONTRACTOR SHALL NOTIFY PROJECT ENGINEER A MINIMUM OF 72 HOURS IN ADVANCE OF REQUIRING LANE CLOSURES AND OTHER FORMS OF SIGNIFICANT TRAFFIC CONTROL MEASURES.
30. THE EROSION CONTROL DEVICES REFERENCED IN THESE PLANS ARE A MINIMUM REQUIREMENT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT SILT DOES NOT LEAVE THE RIGHT OF WAY OR CONTAMINATE WATERS OF THE UNITED STATES DURING CONSTRUCTION.
31. ALL ITS COMPONENTS ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. SUPPORTS, ATTACHMENTS AND FOUNDATIONS SHALL BE DESIGNED BY THE CONTRACTOR ACCORDING TO STANDARD SPECIFICATIONS / SPECIAL PROVISIONS / PLAN DRAWINGS AND STAMPED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF MISSISSIPPI. THE CONTRACTOR SHALL SUBMIT FOUR (4) SETS OF LAYOUT/SHOP DRAWINGS FOR ALL ITS COMPONENTS (INCLUDING THE PLAN OF ATTACHMENT) TO THE PROJECT ENGINEER FOR REVIEW AND APPROVAL.
32. PLAN SCALE INDICATIONS ARE FOR FULL SIZE (22"x34") DRAWINGS. IF REDUCED SCALE PRINTS ARE USED, SCALE SHOULD BE VERIFIED.

## ITS LEGEND

| | EXISTING | PROPOSED |
|---|---|---|
| CABLE - COMM. | C C | C C |
| CABLE - ELEC. (U/G IN COND.) | E E | E E |
| LABEL FOR CONDUIT AND CONDUIT TYPES | [CONDUIT DESCRIPTION(S)] [CABLE DESCRIPTION(S)] | [CONDUIT DESCRIPTION(S)] [CABLE DESCRIPTION(S)] |
| LABEL FOR DEVICE DESCRIPTIONS AND LOCATIONS | [DEVICE #(S) & DESCRIPTION(S)] [LOCATION DESCRIPTION(S)] | [DEVICE #(S) & DESCRIPTION(S)] [LOCATION DESCRIPTION(S)] |
| PULL BOX - COMM. | | |
| PULL BOX - ELEC. | PB | PB |
| PULL BOX - SURFACE MOUNTED | SP | SP |
| LABEL FOR PULL BOX TYPE | X | X |
| DEMARC. PT. (POWER) | | |
| TRAFFIC SIGNAL CABINET | TSC | TSC |
| CABINET (TYPE AS NOTED) | B | B |
| CCTV CAMERA (ALL TYPES) | CCTV | CCTV |
| DYNAMIC MESSAGE SIGN (DMS) (TYPE 2 OR 3) (AS INDICATED) | DMS | DMS |
| RADAR DETECTION SYSTEM (RDS) | RDS | RDS |
| BLUETOOTH DETECTION SYSTEM (BDS) | BDS | BDS |
| COMMUNICATIONS HUT | CH | CH |
| COMMUNICATIONS VAULT | V | V |

### ABBREVIATIONS

E.O.T.L. - EDGE OF TRAVEL LANE
F.O. - FIBER OPTIC
COMM. - COMMUNICATION

| DATE | REVISION | BY |
|---|---|---|
| 6-17-16 | REVISED NOTE/SPEC. PROV. NO. | RTM |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
GENERAL NOTES
I.T.S.

COUNTY: DESOTO & MARSHALL
PROJECT NO. STP-0029-02(018)

WORKING NUMBER GN-ITS

FILENAME: GN-ITS.DGN
DESIGN TEAM ____ CHECKED ____ DATE ____

SHEET NUMBER 9

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

6/13/2016 13:58:02 GN-ITS.DGN

ADDENDUM

| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(018) |

# SUMMARY OF QUANTITIES (SHEET 1)

| PAY ITEM NO. | PAY ITEM | UNIT | DESOTO PRELIM. | DESOTO FINAL | MARSHALL PRELIM. | MARSHALL FINAL | TOTALS PRELIM. | TOTALS FINAL | |
|---|---|---|---|---|---|---|---|---|---|
| 201-A001 | CLEARING AND GRUBBING | LS | 90% | | 10% | | 100% | | |
| 202-B005 | REMOVAL OF ASPHALT PAVEMENT, ALL DEPTHS | SY | 2035 | | 1545 | | 3580 | | 2 11 |
| 202-B008 | REMOVAL OF BOX CULVERT | EA | 1 | | 0 | | 1 | | 2 |
| 202-B013 | REMOVAL OF CEMENT TREATED BASE, ALL DEPTHS | SY | 1545 | | 1545 | | 3090 | | 11 |
| 202-B025 | REMOVAL OF CONCRETE PAVED DITCH | SY | 90 | | 0 | | 90 | | 2 |
| 202-B042 | REMOVAL OF FLARED END SECTION, ALL SIZES | EA | 0 | | 1 | | 1 | | |
| 202-B064 | REMOVAL OF PIPE, 8" AND ABOVE | LF | 24 | | 0 | | 24 | | 2 |
| 202-B076 | REMOVAL OF TRAFFIC STRIPE | LF | 11330 | | 9030 | | 20360 | | 7 |
| 203-A003 | UNCLASSIFIED EXCAVATION, FM, AH | CY | 73557 | | 43760 | | 117317 | | 2 |
| 203-A004 | UNCLASSIFIED EXCAVATION, LVM, AH | CY | 900 | | 100 | | 1000 | | 2 |
| 203-EX017 | BORROW EXCAVATION, AH, FME, CLASS B9 | CY | 10844 | | 34714 | | 45558 | | 6 1 2 |
| 203-EX018 | BORROW EXCAVATION, AH, LVM, CLASS B9 | CY | 900 | | 100 | | 1000 | | 2 |
| 203-G003 | EXCESS EXCAVATION, FM, AH | CY | 203470 | | 18050 | | 221520 | | 4 1 2 |
| 206-A001 | STRUCTURE EXCAVATION | CY | 2157 | | 1477 | | 3634 | | 2 |
| 206-B001 | SELECT MATERIAL FOR UNDERCUTS, CONTRACTOR FURNISHED, FM | CY | 64 | | 63 | | 127 | | 2 |
| 209-A004 | GEOTEXTILE STABILIZATION, TYPE V, NON-WOVEN | SY | 0 | | 2381 | | 2381 | | |
| 211-B001 | TOPSOIL FOR SLOPE TREATMENT, CONTRACTOR FURNISHED | CY | 5000 | | 500 | | 5500 | | 5 |
| 213-C001 | SUPERPHOSPHATE | TON | 68 | | 20 | | 88 | | |
| 907-216-A001 | SOLID SODDING | SY | 1246 | | 953 | | 2199 | | |
| 217-A001 | DITCH LINER | SY | 425 | | 1150 | | 1575 | | |
| 219-A001 | WATERING | KGAL | 25 | | 20 | | 45 | | |
| | | | | | | | | | |
| 220-A001 | INSECT PEST CONTROL | ACRE | 68 | | 20 | | 88 | | |
| 221-A001 | PORTLAND CEMENT CONCRETE PAVED DITCH | CY | 165 | | 140 | | 305 | | |
| 223-A001 | MOWING | ACRE | 1182 | | 327 | | 1509 | | 10 1 |
| 224-A001 | SOIL REINFORCING MAT | SY | 400 | | 1300 | | 1700 | | |
| 907-225-A001 | GRASSING | ACRE | 136 | | 39 | | 175 | | |
| 907-225-B001 | AGRICULTURAL LIMESTONE | TON | 68 | | 20 | | 88 | | |
| 907-225-C001 | MULCH, VEGETATIVE MULCH | TON | 272 | | 78 | | 350 | | |
| 907-226-A001 | TEMPORARY GRASSING | ACRE | 136 | | 39 | | 175 | | |
| 234-A001 | TEMPORARY SILT FENCE | LF | 8190 | | 1265 | | 9455 | | 2 |
| | | | | | | | | | |
| | | | | | | | | | |
| 907-234-D001 | INLET SILTATION GUARD | EA | 16 | | 16 | | 32 | | |
| 236-A004 | SILT BASIN, TYPE D | EA | 1 | | 0 | | 1 | | 1 1 |
| 236-B004 | MAINTENANCE AND REMOVAL OF EXISTING SILT BASINS, TYPE D | EA | 2 | | 0 | | 2 | | |
| 907-237-A002 | WATTLES, 12" | LF | 400 | | 400 | | 800 | | |
| 907-237-A003 | WATTLES, 20" | LF | 24579 | | 2931 | | 27510 | | 3 9 |
| 239-A001 | TEMPORARY SLOPE DRAINS | LF | 87 | | 441 | | 528 | | |
| 907-245-A001 | TRIANGULAR SILT DIKE | LF | 93 | | 77 | | 170 | | |
| 907-246-A001 | SANDBAGS | LF | 93 | | 77 | | 170 | | |
| 907-247-A001 | TEMPORARY STREAM DIVERSION | EA | 0 | | 1 | | 1 | | |
| 907-249-A001 | RIPRAP FOR EROSION CONTROL | TON | 50 | | 50 | | 100 | | 5 |
| 907-249-B001 | REMOVE AND RESET RIPRAP | CY | 0 | | 360 | | 360 | | 8 |
| 907-250-A001 | POLYACRYLAMIDE (PAM) | LBS | 430 | | 121 | | 551 | | |

1. INCLUDES INSTALLATION, MAINTENANCE AND REMOVAL
2. INCLUDES 8,100 L.F. (DESOTO CO.) & 900 L.F. (MARSHALL CO.) TO BE USED AS DIRECTED BY THE ENGINEER.
3. INCLUDES 16,200 L.F. (DESOTO CO.) & 1,800 L.F. (MARSHALL CO.) TO BE USED AS DIRECTED BY THE ENGINEER.
4. (1) ESTIMATED QUANTITY FOR REMOVING TOP 7" OF SUBGRADE LEFT HIGH ON GRADING PROJECT(177150 C.Y. DESOTO CO. 16750 C.Y. MARSHALL CO.) AND INCLUDES 2000 CY PER MILE FOR POTENTIAL UNDERCUTS THROUGHOUT THE LIMITS OF THE PROJECT AS DIRECTED BY THE ENGINEER (10800 CY DESOTO CO.)(1300 CY MARSHALL CO.)
5. ESTIMATED QUANTITY TO BE USED AS DIRECTED.
6. (1) INCLUDES 66 CY ESTIMATED QUANTITY (44 CY DESOTO CO.)(22 CY MARSHALL CO.) FOR INSTALLATION OF DMS. INCLUDES 2000 CY PER MILE FOR REPLACING UNDERCUT AREAS THROUGHOUT THE LIMITS OF THE PROJECT AS DIRECTED BY THE ENGINEER(10800 CY DESOTO CO.)(1300 CY MARSHALL CO.)
7. TO BE REMOVED BY WATER BLASTING OR OTHER NON-DESTRUCTIVE METHODS APPROVED BY THE ENGINEER.
8. LOCATED ON NORTHEAST RAMP WHERE BOX IS REQUIRED STA. 20+00.
9. QUANTITIES INCREASED BY 50%.
10. (1) ESTIMATED AS THREE MOWINGS FOR THE LIFE OF THE PROJECT.
11. (2) INCLUDES 1545 S.Y. IN DESOTO COUNTY & 1545 S.Y. IN MARSHALL COUNTY ALONG U.S. 78. (SAW CUT TO BE ABSORBED IN OTHER ITEMS BID)

| DATE | REVISION | BY |
|---|---|---|
| 6-17-16 | ADDED PAY ITEMS/REVISED QUANTITIES | RTM |
| 2-12-16 | REVISED QUANTITY/REVISED NOTE | RTM |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

## SUMMARY OF QUANTITIES

Project No.: STP-0029-02(018)
Counties: Desoto, Marshall

FILENAME: SQS_SH_2.DGN
DESIGN TEAM ____ CHECKED ____ DATE ____

WORKING NUMBER SQ-1

SHEET NUMBER 18

PLAN ROADWAY DESIGN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION
6/16/2016 14:47:53 SQS_SH_2.DGN

ADDENDUM

FMS CON:102556/306000 & 307000

| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(018) |

# SUMMARY OF QUANTITIES (SHEET 2)

| PAY ITEM NO. | PAY ITEM | UNIT | DESOTO PRELIM. | DESOTO FINAL | MARSHALL PRELIM. | MARSHALL FINAL | TOTALS PRELIM. | TOTALS FINAL | |
|---|---|---|---|---|---|---|---|---|---|
| 907-253-A001 | COIR FIBER BAFFLE | LF | 54 | | 0 | | 54 | | |
| 907-304-B011 | GRANULAR MATERIAL, CLASS 9, GROUP B | TON | 208530 | | 50084 | | 258614 | | 10 |
| 907-304-B009 | GRANULAR MATERIAL, CLASS 3, GROUP D | TON | 77164 | | 14614 | | 91778 | | 10 △2 11 |
| | | | | | | | | | |
| | ALTERNATE PAY ITEMS | | | | | | | | |
| 907-304-F002 | SIZE 610 CRUSHED STONE BASE | TON | 23899 | | 2756 | | 26655 | | 10 |
| | OR | | | | | | | | |
| 907-304-F003 | 3/4" AND DOWN CRUSHED STONE BASE | TON | 23899 | | 2756 | | 26655 | | 10 |
| | OR | | | | | | | | |
| 907-304-F004 | SIZE 825B CRUSHED STONE BASE | TON | 23899 | | 2756 | | 26655 | | 10 |
| | | | | | | | | | |
| 907-307-C003 | 6" SOIL-LIME-WATER MIXING, CLASS C | SY | 43576 | | 10488 | | 54064 | | |
| 907-307-D001 | LIME | TON | 588 | | 142 | | 730 | | |
| 907-307-S001 | BITUMINOUS CURING SEAL | GAL | 10894 | | 2622 | | 13516 | | |
| | ALTERNATE PAY ITEMS | | | | | | | | |
| 907-308-A001 | PORTLAND CEMENT | TON | 8064 | | 1959 | | 10023 | | 1 |
| 907-308-B001 | SOIL-CEMENT-WATER MIXING, OPTIONAL MIXERS, BASE | SY | 407973 | | 99742 | | 507715 | | |
| 907-308-B002 | SOIL-CEMENT-WATER MIXING, OPTIONAL MIXERS, DESIGN SOIL | SY | 392182 | | 94395 | | 486577 | | |
| 907-308-S001 | BITUMINOUS CURING SEAL | GAL | 200039 | | 48535 | | 248574 | | 2 |
| | OR | | | | | | | | |
| 907-311-A003 | PROCESSING LIME AND FLY ASH TREATED COURSE, 6" THICK | SY | 800155 | | 194137 | | 994292 | | 3 |
| 907-311-B001 | LIME | TON | 5786 | | 1405 | | 7191 | | 4 |
| 907-311-C001 | FLY ASH, CLASS C | TON | 23146 | | 5619 | | 28765 | | 5 △1 |
| 907-311-S001 | BITUMINOUS CURING SEAL | GAL | 200039 | | 48535 | | 248574 | | 6 |
| | | | | | | | | | |
| | | | | | | | | | |
| 321-A001 | 6" IN-GRADE PREPARATION | MI | 6 | | 1 | | 7 | | 7 |
| | | | | | | | | | |
| 907-402-A004 | OPEN GRADED FRICTION COURSE, 9.5-MM MIXTURE | TON | 12501 | | 2923 | | 15424 | | |
| 907-402-B001 | BITUMINOUS TACK COAT | GAL | 18183 | | 4252 | | 22435 | | |
| 907-403-A017 | 9.5-MM, ST, ASPHALT PAVEMENT | TON | 6947 | | 1713 | | 8660 | | |
| 907-403-A018 | 12.5-MM, ST, ASPHALT PAVEMENT | TON | 16366 | | 3886 | | 20252 | | △2 11 |
| 907-403-A019 | 19-MM, ST, ASPHALT PAVEMENT | TON | 50937 | | 17331 | | 68268 | | |
| 907-403-A027 | 9.5-MM, HT, ASPHALT PAVEMENT | TON | 2174 | | 0 | | 2174 | | |
| 907-403-A028 | 12.5-MM, HT, ASPHALT PAVEMENT | TON | 30531 | | 3386 | | 33917 | | |
| 907-403-A029 | 19-MM, HT, ASPHALT PAVEMENT | TON | 49238 | | 11182 | | 60420 | | |
| 907-403-AA001 | STONE MATRIX ASPHALT, 9.5 MM MIXTURE | TON | 16600 | | 2032 | | 18632 | | |
| 907-403-AA002 | STONE MATRIX ASPHALT, 12.5 MM MIXTURE | TON | 21999 | | 2709 | | 24708 | | |
| 907-403-D010 | 9.5-MM, HT, ASPHALT PAVEMENT, POLYMER MODIFIED | TON | 4081 | | 3501 | | 7582 | | |
| 907-403-D011 | 12.5-MM, HT, ASPHALT PAVEMENT, POLYMER MODIFIED | TON | 5659 | | 4668 | | 10327 | | |
| 907-403-S004 | JOINT SEALANT | MI | 25 | | 4 | | 29 | | 8 |
| 907-406-A001 | COLD MILLING OF BITUMINOUS PAVEMENT, ALL DEPTHS | SY | 1000 | | 1000 | | 2000 | | 12 △2 |
| 907-407-A001 | ASPHALT FOR TACK COAT | GAL | 61559 | | 14899 | | 76458 | | △2 |
| 408-A003 | ASPHALT FOR PRIME COAT, CUT-BACK MC-70 OR EMULSIFIED EA-1 | GAL | 1800 | | 1150 | | 2950 | | 9 |
| | | | | | | | | | |
| | | | | | | | | | |

1. INCLUDES 4746 TONS FOR THE TREATMENT OF GRANULAR COURSE AND 3318 TONS FOR THE TREATMENT OF SUBGRADE. (DESOTO COUNTY)
   INCLUDES 1160 TONS FOR THE TREATMENT OF GRANULAR COURSE AND 799 TONS FOR THE TREATMENT OF SUBGRADE. (MARSHALL COUNTY)
2. INCLUDES 101993 GAL FOR THE TREATMENT OF GRANULAR COURSE AND 98046 GAL FOR THE TREATMENT OF SUBGRADE. (DESOTO COUNTY)
   INCLUDES 24936 GAL FOR THE TREATMENT OF GRANULAR COURSE AND 23599 GAL FOR THE TREATMENT OF SUBGRADE. (MARSHALL COUNTY)
3. INCLUDES 407973 SY FOR THE TREATMENT OF GRANULAR COURSE AND 392182 SY FOR THE TREATMENT OF SUBGRADE. (DESOTO COUNTY)
   INCLUDES 99742 SY FOR THE TREATMENT OF GRANULAR COURSE AND 94395 SY FOR THE TREATMENT OF SUBGRADE. (MARSHALL COUNTY)
4. INCLUDES 3139 TONS FOR THE TREATMENT OF GRANULAR COURSE AND 2647 TONS FOR THE TREATMENT OF SUBGRADE. (DESOTO COUNTY)
   INCLUDES 768 TONS FOR THE TREATMENT OF GRANULAR COURSE AND 637 TONS FOR THE TREATMENT OF SUBGRADE. (MARSHALL COUNTY)
5. INCLUDES 12557 TONS FOR THE TREATMENT OF GRANULAR COURSE AND 10589 TONS FOR THE TREATMENT OF SUBGRADE. (DESOTO COUNTY)
   INCLUDES 3070 TONS FOR THE TREATMENT OF GRANULAR COURSE AND 2549 TONS FOR THE TREATMENT OF SUBGRADE. (MARSHALL COUNTY)
6. INCLUDES 101993 GAL FOR THE TREATMENT OF GRANULAR COURSE AND 98046 GAL FOR THE TREATMENT OF SUBGRADE. (DESOTO COUNTY)
   INCLUDES 24936 GAL FOR THE TREATMENT OF GRANULAR COURSE AND 23599 GAL FOR THE TREATMENT OF SUBGRADE. (MARSHALL COUNTY)
7. INCLUDES ALL C-D ROADS, RAMPS AND LOOPS (COST ABSORBED).
8. TO BE USED AS DIRECTED BY THE ENGINEER.
9. ESTIMATED QUANTITY TO BE USED UNDER GUARDRAIL. (SEE MCD-1)
10. INCLUDES A 20% INCREASE FROM CALCULATED QUANTITY.

△2 11. INCLUDES 97 TONS OF ASPHALT, AND 341 TONS GRANULAR MATERIAL FOR NEW RAMP (DESOTO COUNTY)

△2 12. FOR TIE-INS ALONG U.S. 78 (INCLUDES 500 S.Y DESOTO CO. AND 500 S.Y. IN MARSHALL CO. TO BE USED AS DIRECTED.

| DATE | REVISION | BY |
|---|---|---|
| 6-17-16 | REVISED QUANTITY | RTM |
| 2-12-16 | REVISED PAY ITEM | RTM |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

Project No.: STP-0029-02(018)
Counties: Desoto, Marshall

FILENAME: SQS_SH_2.DGN
DESIGN TEAM ____ CHECKED ____ DATE ____

WORKING NUMBER SQ-2

SHEET NUMBER 19

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

6/16/2016 15:36:53 SQS_SH_2.DGN

ADDENDUM

FMS CON:102556/306000 & 307000

| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(018) |

# SUMMARY OF QUANTITIES (SHEET 3)

| PAY ITEM NO. | PAY ITEM | UNIT | DESOTO PRELIM. | DESOTO FINAL | MARSHALL PRELIM. | MARSHALL FINAL | TOTALS PRELIM. | TOTALS FINAL | |
|---|---|---|---|---|---|---|---|---|---|
| 423-A001 | RUMBLE STRIPS, GROUND IN | MI | 25 | | 3 | | 28 | | |
| 907-413-E001 | SAWING AND SEALING TRANSVERSE JOINTS IN ASPHALT PAVEMENT | LF | 899 | | 565 | | 1464 | | |
| 501-E001 | EXPANSION JOINTS, WITHOUT DOWELS | LF | 902 | | 600 | | 1502 | | |
| 502-A001 | REINFORCED CEMENT CONCRETE BRIDGE END PAVEMENT | SY | 1998 | | 1305 | | 3303 | | 5 |
| 907-601-A001 | CLASS "B" STRUCTURAL CONCRETE | CY | 382 | | 284 | | 666 | | 1 2 |
| 907-601-B003 | CLASS "B" STRUCTURAL CONCRETE, MINOR STRUCTURES | CY | 41 | | 6 | | 47 | | 2 |
| 602-A001 | REINFORCING STEEL | LBS | 78860 | | 59731 | | 138591 | | 3 1 2 |
| 603-CA003 | 24" REINFORCED CONCRETE PIPE, CLASS III | LF | 56 | | 0 | | 56 | | |
| 603-CA004 | 30" REINFORCED CONCRETE PIPE, CLASS III | LF | 112 | | 96 | | 208 | | 2 |
| 603-CA005 | 36" REINFORCED CONCRETE PIPE, CLASS III | LF | 96 | | 0 | | 96 | | |
| 603-CA015 | 24" REINFORCED CONCRETE PIPE, CLASS IV | LF | 0 | | 216 | | 216 | | |
| 603-CA041 | 36" REINFORCED CONCRETE PIPE, CLASS IV, CLASS B BEDDING | LF | 0 | | 152 | | 152 | | |
| 603-CB002 | 24" REINFORCED CONCRETE END SECTION | EA | 2 | | 2 | | 4 | | |
| 603-CB003 | 30" REINFORCED CONCRETE END SECTION | EA | 2 | | 2 | | 4 | | 2 |
| 603-CB004 | 36" REINFORCED CONCRETE END SECTION | EA | 2 | | 1 | | 3 | | |
| 603-PA013 | 12' X 6' PRECAST CONCRETE BOX CULVERT | LF | 32 | | 0 | | 32 | | 2 |
| 603-PB013 | 12' X 6' PRECAST CONCRETE BOX CULVERT END SECTION | EA | 2 | | 0 | | 2 | | 2 |
| 606-A001 | GUARD POSTS | EA | 90 | | 18 | | 108 | | 1 |
| 606-B001 | GUARD RAIL, CLASS A, TYPE 1 | LF | 2500 | | 1588 | | 4088 | | 1 |
| 606-C003 | GUARD RAIL, CABLE ANCHOR, TYPE 1 | EA | 2 | | 1 | | 3 | | |
| 606-D012 | GUARD RAIL, BRIDGE END SECTION, TYPE I | EA | 18 | | 12 | | 30 | | |
| 606-E002 | GUARD RAIL, TERMINAL END SECTION, FLARED | EA | 18 | | 11 | | 29 | | |
| 606-E003 | GUARD RAIL, TERMINAL END SECTION, NON-FLARED | EA | 2 | | 2 | | 4 | | |
| 609-C002 | CONCRETE CURB, INTEGRAL, TYPE 2 | LF | 30 | | 10 | | 40 | | |
| 609-D002 | COMBINATION CONCRETE CURB AND GUTTER TYPE 2 | LF | 2669 | | 0 | | 2669 | | |
| 609-D004 | COMBINATION CONCRETE CURB AND GUTTER TYPE 3A MODIFIED | LF | 4169 | | 1255 | | 5424 | | |
| 615-A018 | CONCRETE BRIDGE END BARRIER, 33.5" | LF | 360 | | 240 | | 600 | | 4 |
| 616-A001 | CONCRETE MEDIAN AND/OR ISLAND PAVEMENT, 4-INCH | SY | 2018 | | 0 | | 2018 | | |
| 616-A003 | CONCRETE MEDIAN AND/OR ISLAND PAVEMENT, 10-INCH | SY | 149 | | 0 | | 149 | | |
| 907-618-A001 | MAINTENANCE OF TRAFFIC | LS | 90% | | 10% | | 100% | | |
| 619-A1001 | TEMPORARY TRAFFIC STRIPE, CONTINUOUS WHITE | LF | 7387 | | 4300 | | 11687 | | |
| 619-A1003 | TEMPORARY TRAFFIC STRIPE, CONTINUOUS WHITE, PAINT | LF | 9081 | | 6240 | | 15321 | | |
| 619-A2001 | TEMPORARY TRAFFIC STRIPE, CONTINUOUS YELLOW | LF | 5505 | | 4300 | | 9805 | | |
| 619-A2003 | TEMPORARY TRAFFIC STRIPE, CONTINUOUS YELLOW, PAINT | LF | 11366 | | 8589 | | 19955 | | |
| 619-A3001 | TEMPORARY TRAFFIC STRIPE, SKIP WHITE | LF | 4700 | | 4300 | | 9000 | | |
| 619-A3002 | TEMPORARY TRAFFIC STRIPE, SKIP WHITE, PAINT | LF | 11,338 | | 8,621 | | 19959 | | |

1. LENGTH OF GUARDRAIL REQUIRED IS BASED ON A TERMINAL LENGTH OF 37.5 FEET BEING USED. FOR ANY OTHER TERMINAL SECTION, THE LENGTH OF NORMAL GUARDRAIL WILL BE ADJUSTED.
2. INCLUDES 42 CU.YDS (DESOTO COUNTY) AND 5 CU.YDS. (MARSHALL COUNTY) FOR SIGN FOOTING.
3. INCLUDES 3343LBS (DESOTO COUNTY) AND 409LBS (MARSHALL COUNTY) FOR SIGN FOOTING.
4. ACTUAL HEIGHT OF RAIL IS 33.0".
5. 9.5" THICKNESS

| DATE | REVISION | BY |
|---|---|---|
| 6-17-16 | ADDED PAY ITEMS/REVISED QUANTITY | RTM |
| 2-12-16 | REVISED QUANTITIES/ADDED PAY ITEM | RTM |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

Project No.: STP-0029-02(018)
Counties: Desoto, Marshall

WORKING NUMBER SQ-3

FILENAME: SQS_SH_2.DGN

DESIGN TEAM ____ CHECKED ____ DATE ____

SHEET NUMBER 20

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

6/13/2016 14:28:12 SQS_SH_2.DGN

ADDENDUM

FMS CON:102556/306000 & 307000

| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(018) |

# SUMMARY OF QUANTITIES (SHEET 5)

| PAY ITEM NO. | PAY ITEM | UNIT | DESOTO | | MARSHALL | | TOTALS | |
|---|---|---|---|---|---|---|---|---|
| | | | PRELIM. | FINAL | PRELIM. | FINAL | PRELIM. | FINAL |
| 630-A001 | STANDARD ROADSIDE SIGNS, SHEET ALUMINUM, 0.080" THICKNESS | SF | 233 | | 23 | | 256 | |
| 630-A002 | STANDARD ROADSIDE SIGNS, SHEET ALUMINUM, 0.125" THICKNESS | SF | 1222 | | 315 | | 1537 | |
| 630-B001 | INTERSTATE DIRECTIONAL SIGNS, BOLTED EXTRUDED ALUMINUM PANELS, GROUND MOUNTED | SF | 2494 | | 909 | | 3403 | |
| 630-B002 | INTERSTATE DIRECTIONAL SIGNS, BOLTED EXTRUDED ALUMINUM PANELS, OVERHEAD MOUNTED | SF | 2756 | | 2019 | | 4775 | |
| 907-630-C001 | STEEL U-SECTION POSTS, 2.0 LB/FT | LF | 113 | | 7 | | 120 | 1 2 |
| 907-630-C003 | STEEL U-SECTION POSTS, 3.0 LB/FT | LF | 729 | | 174 | | 903 | (1) 1 2 |
| | | | | | | | | |
| 630-D003 | STRUCTURAL STEEL BEAMS, W6 X 9 | LF | 715 | | 60 | | 775 | |
| 630-D005 | STRUCTURAL STEEL BEAMS, W6 X 15 | LF | 259 | | 0 | | 259 | |
| 630-D006 | STRUCTURAL STEEL BEAMS, W8 X 18 | LF | 44 | | 0 | | 44 | |
| 630-D007 | STRUCTURAL STEEL BEAMS, W8 X 21 | LF | 48 | | 0 | | 48 | |
| 630-D008 | STRUCTURAL STEEL BEAMS, W10 X 22 | LF | 118 | | 51 | | 169 | |
| 630-E001 | STRUCTURAL STEEL ANGLES & BARS, 3" X 3" X 1/4" ANGLES | LBS | 716 | | 64 | | 780 | |
| 630-E002 | STRUCTURAL STEEL ANGLES & BARS, 3 1/2" X 3 1/2" X 1/4" ANGLES | LBS | 406 | | 0 | | 406 | |
| 630-E003 | STRUCTURAL STEEL ANGLES & BARS, 4" X 4" X 5/16" ANGLES | LBS | 355 | | 116 | | 471 | |
| 630-E004 | STRUCTURAL STEEL ANGLES & BARS, 7/16" X 2 1/2" FLAT BAR | LBS | 1332 | | 235 | | 1567 | |
| 630-F001 | DELINEATORS, GUARD RAIL, WHITE | EA | 76 | | 49 | | 125 | |
| 630-F002 | DELINEATORS, GUARD RAIL, YELLOW | EA | 63 | | 42 | | 105 | |
| 630-F006 | DELINEATORS, POST MOUNTED, SINGLE WHITE | EA | 188 | | 72 | | 260 | |
| 630-F007 | DELINEATORS, POST MOUNTED, SINGLE YELLOW | EA | 31 | | 17 | | 48 | |
| 630-F008 | DELINEATORS, POST MOUNTED, DOUBLE WHITE | EA | 180 | | 96 | | 276 | |
| 630-F009 | DELINEATORS, POST MOUNTED, DOUBLE YELLOW | EA | 12 | | 4 | | 16 | |
| 630-G001 | TYPE 3 OBJECT MARKERS, OM-3R, POST MOUNTED | EA | 11 | | 6 | | 17 | |
| 630-G003 | TYPE 3 OBJECT MARKERS, OM-3L, POST MOUNTED | EA | 11 | | 6 | | 17 | |
| | | | | | | | | |
| 907-630-I001 | METAL OVERHEAD SIGN SUPPORTS, ASSEMBLY NO. 1, CONTRACTOR DESIGNED | LS | 100% | | 0% | | 100% | |
| 907-630-I002 | METAL OVERHEAD SIGN SUPPORTS, ASSEMBLY NO. 2, CONTRACTOR DESIGNED | LS | 100% | | 0% | | 100% | |
| 907-630-I003 | METAL OVERHEAD SIGN SUPPORTS, ASSEMBLY NO. 3, CONTRACTOR DESIGNED | LS | 100% | | 0% | | 100% | |
| 907-630-I004 | METAL OVERHEAD SIGN SUPPORTS, ASSEMBLY NO. 4, CONTRACTOR DESIGNED | LS | 100% | | 0% | | 100% | |
| 907-630-I005 | METAL OVERHEAD SIGN SUPPORTS, ASSEMBLY NO. 5, CONTRACTOR DESIGNED | LS | 0% | | 100% | | 100% | |
| 907-630-I006 | METAL OVERHEAD SIGN SUPPORTS, ASSEMBLY NO. 6, CONTRACTOR DESIGNED | LS | 100% | | 0% | | 100% | |
| 907-630-I007 | METAL OVERHEAD SIGN SUPPORTS, ASSEMBLY NO. 7, CONTRACTOR DESIGNED | LS | 0% | | 100% | | 100% | |
| 907-630-I008 | METAL OVERHEAD SIGN SUPPORTS, ASSEMBLY NO. 8, CONTRACTOR DESIGNED | LS | 100% | | 0% | | 100% | |
| 907-630-I009 | METAL OVERHEAD SIGN SUPPORTS, ASSEMBLY NO. 9, CONTRACTOR DESIGNED | LS | 100% | | 0% | | 100% | |
| 907-630-I010 | METAL OVERHEAD SIGN SUPPORTS, ASSEMBLY NO. 10, CONTRACTOR DESIGNED | LS | 100% | | 0% | | 100% | |
| 907-630-I012 | METAL OVERHEAD SIGN SUPPORTS, ASSEMBLY NO. 11, CONTRACTOR DESIGNED | LS | 0% | | 100% | | 100% | |
| 907-630-I013 | METAL OVERHEAD SIGN SUPPORTS, ASSEMBLY NO. 12, CONTRACTOR DESIGNED | LS | 100% | | 0% | | 100% | |
| | | | | | | | | 1 |
| | | | | | | | | |
| 630-K001 | WELDED & SEAMLESS STEEL PIPE POSTS, 3" | LF | 255 | | 0 | | 255 | |
| 630-K002 | WELDED & SEAMLESS STEEL PIPE POSTS, 3 1/2" | LF | 31 | | 0 | | 31 | |
| 630-K003 | WELDED & SEAMLESS STEEL PIPE POSTS, 4" | LF | 490 | | 162 | | 652 | |
| 630-K004 | WELDED & SEAMLESS STEEL PIPE POSTS, 5" | LF | 63 | | | | 63 | |

(1) INCLUDES 132 L.F. OF U-SECTION POST FOR DIRECTIONAL SIGN ASSEMBLY (DESOTO COUNTY)

| DATE | REVISION | BY |
|---|---|---|
| 6-17-16 | REVISED PAY ITEM NO. ADDED 907 | RTM |
| 2-12-16 | REVISED PAY ITEM NO./DELETED PAY ITEM | RTM |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

Project No.: STP-0029-02(018)
Counties: Desoto, Marshall

FILENAME: SQS_SH_2.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

WORKING NUMBER SQ-5

SHEET NUMBER 22

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

6/13/2016 14:29:04 SQS_SH_2.DGN

ADDENDUM

FMS CON:102556/306000 & 307000

| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(018) |

# SUMMARY OF QUANTITIES (SHEET 7)

| PAY ITEM NO. | PAY ITEM | UNIT | DESOTO PRELIM. | DESOTO FINAL | MARSHALL PRELIM. | MARSHALL FINAL | TOTALS PRELIM. | TOTALS FINAL | |
|---|---|---|---|---|---|---|---|---|---|
| 907-657-A001 | FIBER OPTIC CABLE, 72 SM | LF | 44300 | | 4725 | | 49025 | | 1 17 |
| 907-657-A002 | FIBER OPTIC CABLE, 12 SM | LF | 4435 | | 760 | | 5195 | | 2 17 |
| 907-658-A005 | NETWORK SWITCH, TYPE A | EA | 8 | | 3 | | 11 | | 3 |
| 907-659-A001 | TRAFFIC MANAGEMENT CENTER MODIFICATIONS | LS | 80% | | 20% | | 100% | | 4 |
| 907-659-C001 | TRAFFIC MANAGEMENT CENTER MODIFICATIONS - TRAINING | LS | 80% | | 20% | | 100% | | 4 |
| 907-660-PP001 | COMMUNICATIONS HUT MODIFICATION, PER PLANS | LS | 100% | | 0% | | 100% | | 5 |
| 666-B023 | ELECTRIC CABLE, UNDERGROUND IN CONDUIT, IMSA 20-1, AWG 8, 3 CONDUCTOR | LF | 180 | | 0 | | 180 | | 6 17 |
| 666-B027 | ELECTRIC CABLE, UNDERGROUND IN CONDUIT, THHN, AWG #2, 3 CONDUCTOR | LF | 1615 | | 0 | | 1615 | | 7 17 |
| 666-B028 | ELECTRIC CABLE, UNDERGROUND IN CONDUIT, THHN, AWG #6, 3 CONDUCTOR | LF | 2345 | | 715 | | 3060 | | 7 17 |
| 666-B038 | ELECTRIC CABLE, UNDERGROUND IN CONDUIT, THHN, AWG #4, 3 CONDUCTOR | LF | 2100 | | 0 | | 2100 | | 7 17 |
| 666-B043 | ELECTRIC CABLE, UNDERGROUND IN CONDUIT, THHN, AWG #2, 4 CONDUCTOR | LF | 380 | | 280 | | 660 | | 7 17 |
| 666-B054 | ELECTRIC CABLE, UNDERGROUND IN CONDUIT, IMSA 20-1, AWG 14, 8 CONDUCTOR | LF | 440 | | 0 | | 440 | | 8 17 |
| 666-C017 | ELECTRIC CABLE, AERIAL SUPPORTED, IMSA 20-1, AWG 14, 8 CONDUCTOR | LF | 154 | | 0 | | 154 | | 8 17 |
| 668-A018 | TRAFFIC SIGNAL CONDUIT, UNDERGROUND, TYPE 4, 2" | LF | 65 | | 0 | | 65 | | 8 11 12 17 |
| 668-A020 | TRAFFIC SIGNAL CONDUIT, UNDERGROUND, TYPE 4, 3" | LF | 40 | | 0 | | 40 | | 8 11 12 17 |
| 668-A029 | TRAFFIC SIGNAL CONDUIT, UNDERGROUND, ROLLED PIPE, 2" | LF | 3145 | | 540 | | 3685 | | 9 11 12 17 |
| 668-B024 | TRAFFIC SIGNAL CONDUIT, UNDERGROUND DRILLED OR JACKED, ROLLED PIPE, 2" | LF | 4615 | | 215 | | 4830 | | 10 11 13 14 17 |
| 668-B025 | TRAFFIC SIGNAL CONDUIT, UNDERGROUND DRILLED OR JACKED, ROLLED PIPE, 3" | LF | 170 | | 0 | | 170 | | 8 11 17 |
| 907-668-E002 | TRAFFIC SIGNAL CONDUIT BANK, UNDERGROUND, ROLLED PIPE, 2 @ 2" | LF | 33450 | | 4025 | | 37475 | | 9 11 12 15 17 |
| 907-668-F002 | TRAFFIC SIGNAL CONDUIT BANK, UNDERGROUND, DRILLED OR JACKED,ROLLED PIPE, 2 @ 2" | LF | 4130 | | 1300 | | 5430 | | 9 11 13 14 15 17 |
| 907-668-G003 | TRAFFIC SIGNAL CONDUIT BANK, AERIAL SUPPORTED, TYPE FRP, 2@ 2" | LF | 3830 | | 0 | | 3830 | | 9 15 16 17 |
| 907-670-A001 | ITS RADAR DETECTION SYSTEM | EA | 6 | | 1 | | 7 | | 18 |
| 907-697-A001 | BLUETOOTH DETECTION SYSTEM, TYPE A | EA | 3 | | 0 | | 3 | | 19 |
| 907-699-A002 | ROADWAY CONSTRUCTION STAKES | LS | 90% | | 10% | | 100% | | |
| 815-A009 | LOOSE RIPRAP, SIZE 300 | TON | 2565 | | 1715 | | 4280 | | 20 △1 |
| 815-E001 | GEOTEXTILE UNDER RIPRAP | SY | 4962 | | 2381 | | 7343 | | △1 |
| 907-815-F001 | SEDIMENT CONTROL STONE | TON | 14 | | 19 | | 33 | | |
| 907-823-A001 | PREFORMED JOINT SEAL, TYPE I | LF | 1428 | | 216 | | 1644 | | |
| 907-823-A002 | PREFORMED JOINT SEAL, TYPE II | LF | 1032 | | 1485 | | 2517 | | |
| 907-823-B001 | SAW CUT, TYPE I | LF | 1012 | | 216 | | 1228 | | |
| 907-823-B002 | SAW CUT, TYPE II | LF | 200 | | 0 | | 200 | | |

1. SHOWN ON THE PLANS AS F.O. (72/SM) CABLE. INCLUDES F.O. DROP PANELS AND TERMINATION OF ALL FIBERS AS SHOWN ON THE PLANS, EXCEPT AT EXISTING HUT (SEE 907-660-PP001).
2. SHOWN ON THE PLANS AS F.O. (12/SM) DROP. INCLUDES F.O. DROP PANELS AND TERMINATION OF ALL FIBERS AS SHOWN ON THE PLANS.
3. INCLUDES 1 EACH NETWORK SWITCH TO BE USED TO CONNECT ETHERNET EQUIPMENT IN CONTROLLER TO FIBER DROP FOR TRAFFIC SIGNAL INSTALLATION, REMAINING QUANTITY TO BE USED FOR ITS EQUIPMENT.
4. REFER TO NTB ENTITLED "TRAFFIC MANAGEMENT CENTER (TMC) MODIFICATIONS".
5. PER PLANS PAY ITEM. SEE ITS-16A FOR MORE DETAILS.
6. FOR TRAFFIC SIGNAL INSTALLATION, SHOWN ON PLANS AS "POW"
7. FOR ITS INSTALLATION, POWER CABLE FROM THE ELECTRICAL DEMARCATION TO THE FIELD CABINET. COST OF ELECTRICAL SERVICE POINT (POWER FEED, METER BASE, BREAKER, POLE, TRANSFORMERS, TERMINAL BLOCKS, ETC.) TO BE ABSORBED IN THESE PAY ITEMS. CHARGES FROM THE UTILITY FOR SERVICE SHALL ALSO BE ABSORBED UNTIL THE PROJECT IS ACCEPTED.
8. TO BE USED FOR TRAFFIC SIGNAL INSTALLATION.
9. TO BE USED FOR ITS EQUIPMENT INSTALLATION.
10. INCLUDES 180 L.F. FOR TRAFFIC SIGNAL INSTALLATION, REMAINING QUANTITY TO BE USED FOR ITS EQUIPMENT INSTALLATION.
11. SEEDING OF DISTURBED AREAS TO BE ABSORBED UNDER THESE PAY ITEMS. CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING VEGETATIVE GROWTH UNTIL PROJECT IS ACCEPTED OR AS DIRECTED BY THE PROJECT ENGINEER.
12. INSTALLATION MAY BE BY TRENCHING, PLOWING, OR BORING AT CONTRACTOR'S DISCRETION. BID PRICE SHALL BE THE SAME REGARDLESS OF WHICH INSTALLATION METHOD IS USED.
13. SHOWN ON PLANS AS (BORED). DRILLED OR JACKED CONDUIT SHALL BE INSTALLED AT A MINIMUM DEPTH OF 5 FEET UNLESS SHOWN OTHERWISE IN THE PLANS.
14. THE BID PRICE FOR DRILLED OR JACKED CONDUIT SHALL ONLY APPLY TO LOCATIONS WHERE CONDUIT IS DESIGNATED ON THE PLANS AS (BORED).
15. CONDUIT BANK INCLUDES MULTIPLE CONDUITS AS INDICATED. MEASUREMENT IS PER LINEAR FOOT OF BANK. SEPARATE PAYMENT IS NOT MADE FOR EACH CONDUIT.
16. THIS CONDUIT IS STRUCTURE-ATTACHED CONDUIT AND INCLUDES ALL HANGERS, EXPANSION ASSEMBLIES, AND SURFACE MOUNTED PULLBOXES. REFER TO WKG. NOS. ASC-1 AND ASC-2 FOR ADDITIONAL DETAILS.
17. MEASUREMENT INCLUDES ONLY HORIZONTAL RUNS CALLED OUT IN THE PLANS. ITEMS WILL BE MEASURED BY THE LINEAR FOOT, COMPUTED HORIZONTALLY ALONG THE CONDUIT OR CABLE. NO EXTRA LENGTH WILL BE ALLOWED FOR VERTICAL MEASURE OF ANY KIND (VERTICAL RUNS SHALL BE COST ABSORBED).
18. IP BASED. INCLUDES ALL EQUIPMENT NECESSARY FOR A COMPLETE AND OPERABLE UNIT, INCLUDING BUT NOT LIMITED TO POWER AND COMMUNICATIONS CABLE.
19. IP BASED. INCLUDES ALL EQUIPMENT NECESSARY FOR A COMPLETE AND OPERABLE UNIT, INCLUDING BUT NOT LIMITED TO POWER AND COMMUNICATIONS CABLE. DETECTION UNITS WILL UTILIZE EXISTING BLUETOOTH DETECTION SYSTEM SERVER.
20. INCLUDES 90 TONS TO BE USED AS DIRECTED BY THE ENGINEER AND 63 TONS FOR TYPE D SILT BASINS.

| DATE | REVISED QUANTITY | BY |
|---|---|---|
| 6-17-16 | REVISION | RTM |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

Project No.: STP-0029-02(018)
Counties: Desoto, Marshall

FILENAME: SQS_SH_2.DGN
DESIGN TEAM ____ CHECKED ____ DATE ____

WORKING NUMBER SQ-7

SHEET NUMBER 24

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

6/13/2016 14:29:54 SQS_SH_2.DGN

**ADDENDUM**

FMS CON:102556/306000 & 307000

| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(018) |

# PIPE CULVERT DRAINAGE STRUCTURES -- DESOTO COUNTY

| WK. SH. NO. | STATION | TYPE | PIPE CULVERTS 18" | 24" | 30" | 36" | 42" | 48" | | | CL IV 24" | CL IV, CL B BEDDING | 36" | | END SECTIONS 18" | 24" | 30" | 36" | 42" | 48" | 54" | 60" | 66" | 72" | 22"x13" | 58"x36" | SIZE L | W | H | OPENINGS | DRAWINGS REQ'D. | CLASS "B" CONC. | REINF. STEEL | GRATING | CASTING | PAVED APRON | STRUCTURE EXCAVATION CU YDS EXCAV | EST. DEPTH | GEOTEXTILE | FILTER MATERIAL TYPE "A" | TYPE "B" | COVER | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 3-D | 98+00 | | | | 112 | | | | | | | | | | | | 2 | | | | | | | | | | | | | | FE-1 | 0.204 | | | | | 112 | 6 | | | | | X-DRAIN |
| 16-D | 63+00 | | | | | 96 | | | | | | | | | | | | 2 | | | | | | | | | | | | | FE-1 | 0.246 | | | | | 9 | .5 | | | | | X-DRAIN 15" SK. LT. FWD. |
| 16-D | 70+00 | | | 56 | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | FE-1 | 0.126 | | | | | 23 | 3.0 | | | | | X-DRAIN 15" SK. RT. FWD. |
| | UNIT | | L.F. | L.F. | L.F. | L.F. | L.F. | L.F. | L.F. | L.F. | L.F. | L.F. | L.F. | L.F. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | | | | | | C.Y. | LB. | LB. | LB. | C.Y. | C.Y. | | | | | |
| | TOTALS | | | 56 | 112 | 96 | | | | | | | | | | 2 | 2 | 2 | | | | | | | | | | | | | | 0.576 | | | | | 144 | | | | | | DESOTO COUNTY |
| | | | | | 1 | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | | | |

# PIPE CULVERT DRAINAGE STRUCTURES -- MARSHALL COUNTY

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16-D | 57+30 | | | | 96 | | | | | | | | | | | | 2 | | | | | | | | | | | | | | FE-1 | 0.204 | | | | | 23 | 1.5 | | | | | X-DRAIN 15" SK. RT. FWD. |
| 16-F | 24+00 | | | | | | | | | | 216 | | | | | 2 | | | | | | | | | | | | | | | FE-1 | 0.166 | | | | | 47 | 1.5 | | | | | CROSS DRAIN |
| 16-F | 28+08 | | | | | | | | | | | | 152 | | | | | 1 | | | | | | | | | | | | | FE-1,PC-1 | 0.743 | | | | | 27 | 1.0 | | | | | X-DRAIN 30" SK. LT. FWD. |
| | UNIT | | L.F. | L.F. | L.F. | L.F. | L.F. | L.F. | L.F. | L.F. | L.F. | L.F. | L.F. | L.F. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | EA. | | | | | | C.Y. | LB. | LB. | LB. | C.Y. | C.Y. | | | | | |
| | TOTALS | | | | 96 | | | | | | 216 | | 152 | | | 2 | 2 | 1 | | | | | | | | | | | | | | 1.113 | | | | | 97 | | | | | | MARSHALL COUNTY |

* INCLUDES TOEWALLS.

NOTE: INLET QUANTITIES ARE BASED ON CONCRETE PIPE BEING USED. NO ADJUSTMENT WILL BE MADE FOR ANY OTHER ALTERNATE PIPE USED.

| DATE | REVISION | BY |
|---|---|---|
| 6-17-16 | ADDED PIPE REVISED QUANTITY | RTM |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**Estimated Quantities**
*for*
*Pipe Culvert Drainage Structures*

*Project No. STP-0029-02(018)*
*County: Desoto & Marshall*

FILENAME: RECAP.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

WORKING NUMBER EQ-1

SHEET NUMBER 25

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

6/13/2016 14:32:12 RECAP.DGN

ADDENDUM

FMS CON:102556/306000 & 307000

| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(018) |

## CULVERT HYDRAULIC DESIGN SUMMARY

| WK. SH. NO. | STATION | D.A. ACRES | CULVERT SIZE | UP STREAM FLOW LINE ELEV. | DESIGN STORM ( $Q_{50}$ ) ( 50 YEAR STORM ) DISCHARGE C. F. S. | *HEADWATER CONTROL IN/OUT HW/D | HW(DEPTH) | HW(ELEV.) | DESIGN STORM ( $Q_{100}$ ) ( 100 YEAR STORM ) DISCHARGE C. F. S. | *HEADWATER CONTROL IN/OUT HW/D | HW(DEPTH) | HW(ELEV.) | ROADWAY OVERTOPPING STORM ( )-YEAR STORM | DISCHARGE C. F. S. | *H.W. ELEV. | STORM OF RECORD DATE OCCURRED | DISCHARGE C. F. S. | HIGH WAT. ELEV. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 3-D | 98+00 | 5.3 | 30" | 337.02 | 25.6 | 1.10 | 2.76 | 339.78 | 28.2 | 1.20 | 2.99 | 340.10 | | | | | | | DESOTO COUNTY |
| 2 3-D | 105+65 | 206.6 | 16'X8' | 325.50 | 383 | 0.76 | 6.09 | 331.59 | 430 | 0.84 | 6.69 | 332.19 | | | | | | | DESOTO COUNTY |
| 2 9 | 12+80 | 195 | 12'X6' | 325.6 | 337 | 1.02 | 6.13 | 331.73 | | | | | 50 YR | 369 | 332.1 | | | | DESOTO COUNTY(25YR FLOOD EVENT) |
| 16-D | 57+30 | 4 | 30" | 384.71 | 25.76 | 1.04 | 2.60 | 387.60 | 28.28 | 1.10 | 2.75 | 387.75 | | | | | | | MARSHALL COUNTY |
| 16-D | 63+00 | 10 | 36" | 378.09 | 39.33 | 1.03 | 3.09 | 381.09 | 43.18 | 1.10 | 3.30 | 381.30 | | | | | | | DESOTO COUNTY |
| 16-F | 20+00 | 236 | 10'X6' | 339.2 | 496.51 | 1.24 | 7.44 | 349.44 | 578.88 | 1.39 | 8.34 | 350.34 | | | | | | | MARSHALL COUNTY |
| 16-F | 24+00 | 1.4 | 24" | 357.95 | 7.70 | 0.94 | 1.88 | 358.93 | 8.60 | 1.01 | 2.02 | 359.00 | | | | | | | MARSHALL COUNTY |

*HEADWATER ELEVATION VALUES SHOWN ON THESE PLANS ARE THEORETICAL AND MAY VARY FROM ACTUAL CONDITIONS.

## ESTIMATED EARTHWORK QUANTITIES

| WK. SH. NUMBER | CUT | FILL | BORROW ( ) | BORROW (B9) | UNCLASSIFIED EXCAVATION | EXCAVATION EXCESS | EXCAVATION SURPLUS | REMARKS |
|---|---|---|---|---|---|---|---|---|
| 2 9 | 244 | 634 | | | | | | DESOTO COUNTY |
| 10 | | | | 22 | | | | DESOTO COUNTY(EST. TO INSTALL DMS) |
| 16-D | 59097 | 1892 | | | | | | DESOTO COUNTY |
| 16-E | 14266 | 65 | | | | | | DESOTO COUNTY |
| 16-Z | | | | 22 | | | | DESOTO COUNTY(EST. TO INSTALL DMS) |
| | | | | | | 15520 2 | | |
| UNIT | CU.YD. | CU.YD. | | CU.YD. | CU.YD. | CU.YD. | | |
| TOTAL | 73557 2 | 2591 2 | | 44 | 73557 | 15520 2 | | |
| | | | | | | | | |
| 16-D | 8656 | 9048 | | | | | | MARSHALL COUNTY |
| 16-F | 35104 | 115607 | | | | | | MARSHALL COUNTY |
| 16-T | | | | 22 | | | | MARSHALL COUNTY(EST. TO INSTALL DMS) |
| | | | | | | | | |
| | | | | 33392 | | | | |
| UNIT | CU.YD. | CU.YD. | | CU.YD. | CU.YD. | CU.YD. | | |
| TOTAL | 43760 | 124655 | | 2 33414 1 | 43760 | | | |

EXCESS= CUT - FILL/1.25
117317-127246/1.25=15520 2

BORROW= FILL - CUT/1.25
127246-117317/1.25=33392 2

## TEMPORARY EROSION CONTROL ITEMS

| WK. SH. NO. | SILT BASIN ITEMS: Silt Basin Type "D" | Silt Fence | 300# Riprap | Sediment Control Stone | SILT FENCE | CHECK DAM: 100# Riprap | Wattles 20" | Silt Dike | Sandbags | EROSION CHECKS | DIVERSION BERM: Silt Dike | INLET PROTECTION: Silt Fence | Wattle 12" | TEMPORARY STREAM DIVERSION | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16-D | 35'X3' | 90 | 63 | 13.13 | | | | | | | | | | | REQ'D. RT. |
| 1 | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| UNITS | EACH | LIN.FT. | TONS | TONS | LIN.FT. | TONS | LIN.FT. | LIN.FT. | LIN.FT. | LIN.FT. | LIN.FT. | LIN.FT. | LIN.FT. | EACH | |
| SUB-TOTAL | 1 | 90 | 63 | 13.13 | | | | | | | | | | | DESOTO CO |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | |
| UNITS | EACH | LIN.FT. | TONS | TONS | LIN.FT. | TONS | LIN.FT. | LIN.FT. | LIN.FT. | LIN.FT. | LIN.FT. | LIN.FT. | LIN.FT. | EACH | |
| SUB-TOTAL | | | | | | | | | | | | | | | MARSHALL CO |

## 2 BOX CULVERTS REQUIRED (DESOTO COUNTY)

| WORK. NO. | STATION | SIZE | LENGTH | STANDARD DRAWINGS REQUIRED | CLASS "B" CONCRETE | REINF. STEEL | STRUC. EXCAV. EST. DEPTH | STRUC. EXCAV. CUBIC YARDS | COVER | SELECT MAT'L. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2 3-D | 105+65 | 16'X8' | 132 | TBJL-1,TCJS-1,TBSM-1, IWS-3W-30,IWS-8-3W-30 ISK-30-3W | 382.25 | 75630 | 18.0 | 2013 | 11.5 | 64 | 30° SK |
| | | | | | | | | | | | |
| UNITS | | | | | CU.YD. | LBS. | | CU.YD. | | CU.YD. | |
| TOTALS | | | | | 382.25 2 | 75630 2 | | 2013 2 | | 64 2 | DESOTO COUNTY |

## BOX CULVERTS REQUIRED (MARSHALL COUNTY)

| WORK. NO. | STATION | SIZE | LENGTH | STANDARD DRAWINGS REQUIRED | CLASS "B" CONCRETE | REINF. STEEL | STRUC. EXCAV. EST. DEPTH | STRUC. EXCAV. CUBIC YARDS | COVER | SELECT MAT'L. | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 16-F | 20+00 | 10'X6' | 193 | TBJL-1,TCJ-1,TBS-6 IWS-3W-30,IWS-6-3W-30 | 283.93 | 59322 | 11.0 | 1380 | 20 | 63 | 20' COVER 30° SK |
| | | | | | | | | | | | |
| UNITS | | | | | CU.YD. | LBS. | | CU.YD. | | CU.YD. | |
| TOTALS | | | | | 283.93 | 59322 | | 1380 | | 63 | MARSHALL COUNTY |
| | | | | | 1 | 1 | | | | | |

| DATE | REVISION | BY |
|---|---|---|
| 6-17-16 | REVISED QUANTITY/ADDED QUANTITY | RTM |
| 2-12-16 | REVISED QUANTITIES DELETED SHEET NO. | RTM |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**Estimated Quantities**
for
Hydraulic Design, Earthwork, Box Culverts, Temporary Erosion Control Items

Project No. STP-0029-02(018)
County: Desoto & Marshall

FILENAME: RECAP.DGN
DESIGN TEAM ____ CHECKED ____ DATE ____

WORKING NUMBER EQ-2

SHEET NUMBER 26

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

6/15/2016 16:04:07 RECAP.DGN

| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(018) |

## DESOTO COUNTY REMOVAL ITEMS

| WORK NUMBER | CEMENT BASE | FLARED END SECTION | ASPHALT PAVEMENT | CONC. PAVED DITCH | BOX CULVERT | PIPES ALL TYPES | PAV'T. STRIPE | REMARKS |
|---|---|---|---|---|---|---|---|---|
| 3-D | | | | 90 | 1 | 24 | | |
| 9 | | | 490 | | | | | |
| 12-A | | | | | | | 1,565 | ALONG RED BANKS ROAD |
| TC-6 | 1545 | | 1545 | | | | 9,765 | ALONG U.S. HWY. NO. 78 |
| | S.Y. | | S.Y. | S.Y. | EACH | L.F. | L.F. | |
| | 1545 (1) | | 2035 (1) | 90 (1) | 1 (1) | 24 (1) | 11,330 | DESOTO TOTALS |

## MARSHALL COUNTY REMOVAL ITEMS

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| TC-5 | 1545 | | 1545 | | | | 9,030 | ALONG U.S. HWY. NO. 78 |
| 16-F | | 1@36" | | | | | | N.E. RAMP @ U.S. HWY. NO. 78 |
| | | | | | | | | |
| | S.Y. | EACH | S.Y. | | | | L.F. | |
| | (1) 1545 | 1 | 1545 (1) | | | | 9,030 | MARSHALL TOTALS |

## ESTIMATED PERMANENT EROSION CONTROL ITEMS

| WK. SH. NO. | STATION | DITCH LINER | SOIL REINFORCEMENT MATERIAL | CONCRETE PAVED DITCH | SOLID SOD | RIP RAP (300#) | GEOTEXTILE | CONC. SLOPE PAVING | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| 3-B | | | | | | 1308 (1) | 2792 (1) | | |
| 3-D | | | | | | 1194 (1) | 2170 (1) | | |
| 5 | | | | 10 | 72 | | | | |
| 6 | | | | 10 | 78 | | | | |
| 7 | | | | 10 | 78 | | | | |
| 12-B | | | | 3 | 30 | | | | PAVED FLUME LT. |
| 12-C | | | | 2 | 11 | | | | PAVED FLUME LT. |
| 12-D | | | | 6 | 43 | | | | PAVED FLUME RT. |
| 12-E | | | | 8 | 54 | | | | PAVED FLUME RT. |
| 16 | | | | 16 | 124 | | | | |
| 16C | | | | 22 | 164 | | | | |
| 16G | | | | 21 | 158 | | | | |
| 16I | | | | 27 | 206 | | | | |
| 16K | | | | 18 | 136 | | | | |
| 16M | | | | 6 | 46 | | | | |
| 16Q | | | | 6 | 46 | | | | |
| 16Y | | 425 | 400 | | | | | | |
| | UNITS | SQ. YD. | SQ. YD. | CU. YD. | SQ. YD. | TON | SQ. YD. | | |
| | TOTALS | 425 | 400 | 165 | 1246 | 2502 (1) | 4962 (1) | | DESOTO COUNTY |
| | | | | | | | | | |
| 16F | | 1150 | 1300 | 83 | 530 | 1625 | 2381 | | |
| 16G | | | | 24 | 182 | | | | |
| 16N | | | | 12 | 85 | | | | |
| 16R | | | | 8 | 62 | | | | |
| 16T | | | | 8 | 62 | | | | |
| 16W | | | | 5 | 32 | | | | |
| | UNITS | SQ. YD. | SQ. YD. | CU. YD. | SQ. YD. | TON | SQ. YD. | | |
| | TOTALS | 1150 | 1300 | 140 | 953 | 1625 | 2381 | | MARSHALL COUNTY |

## ESTIMATED TRAFFIC SIGNAL QUANTITIES

| ITEM NO. | DESCRIPTION | UNITS | TSI-1 MS 305 @ NE RAMP I-269 ESTIMATED | TSI-1 FINAL | TOTAL ESTIMATED | TOTAL FINAL |
|---|---|---|---|---|---|---|
| 907-639-A009 | TRAFFIC SIGNAL EQUIPMENT POLE, TYPE IV, 17' SHAFT, 60' ARM | EA | 1 | | 1 | |
| 907-639-A158 | TRAFFIC SIGNAL EQUIPMENT POLE, TYPE III, 17' SHAFT, 45' AND 50' ARMS | EA | 1 | | 1 | |
| 907-639-C002 | POLE FOUNDATIONS, 36" DIAMETER | CY | 3 | | 2 | |
| 907-639-C004 | POLE FOUNDATIONS, 30" DIAMETER | CY | 2 | | 3 | |
| 640-A016 | TRAFFIC SIGNAL HEADS, TYPE 1 LED | EA | 6 | | 6 | |
| 640-A056 | TRAFFIC SIGNAL HEADS, TYPE 2 FYA LED | EA | 1 | | 1 | |
| 642-A008 | SOLID STATE TRAFFIC ACTUATED CONTROLLERS, TYPE 8A | EA | 1 | | 1 | |
| 647-A002 | PULLBOX, TYPE 3 | EA | 1 | | 1 | |
| 647-A005 | PULLBOX, TYPE 2 | EA | 1 | | 1 | |
| 907-649-A004 | VIDEO DETECTION SYSTEM, 1 SENSOR, TYPE 2 | EA | 1 | | 1 | |
| 907-649-D002 | MULTI-SENSOR DETECTION SYSTEM, 1 SENSOR | EA | 2 | | 2 | |
| 653-B001 | STREET NAME SIGN, ENCAPSULATED LENS | SF | 6 | | 6 | |
| 907-658-A005 | NETWORK SWITCH, TYPE A | EA | 1 | | 1 | |
| 666-B023 | ELECTRIC CABLE, UNDERGROUND IN CONDUIT, IMSA 20-1, AWG #8, 3 CONDUCTOR | LF | 180 | | 180 | |
| 666-B054 | ELECTRIC CABLE, UNDERGROUND IN CONDUIT, IMSA 20-1, AWG 14, 8 CONDUCTOR | LF | 440 | | 440 | |
| 666-C017 | ELECTRIC CABLE, AERIAL SUPPORTED, IMSA 20-1, AWG 14, 8 CONDUCTOR | LF | 154 | | 154 | |
| 668-A018 | TRAFFIC SIGNAL CONDUIT, UNDERGROUND, TYPE 4, 2" | LF | 65 | | 65 | |
| 668-A020 | TRAFFIC SIGNAL CONDUIT, UNDERGROUND, TYPE 4, 3" | LF | 40 | | 40 | |
| 668-B024 | TRAFFIC SIGNAL CONDUIT, UNDERGROUND DRILLED OR JACKED, ROLLED PIPE, 2" | LF | 180 | | 180 | |
| 668-B025 | TRAFFIC SIGNAL CONDUIT, UNDERGROUND DRILLED OR JACKED, ROLLED PIPE, 3" | LF | 170 | | 170 | |

SIGNAL NOTE:

1. SEE SUMMARY OF QUANTITIES-(SQ-6 & SQ-7) FOR PAY ITEM FOOTNOTES.

| DATE | REVISION | BY |
|---|---|---|
| 6-17-16 | ADDED QUANTITY | RTM |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**Estimated Quantities**
for
Removal Items, Permanent Erosion Control, Signal Items

Project No. STP-0029-02(018)
County: Desoto & Marshall

FILENAME: RECAP.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

WORKING NUMBER EQ-13

SHEET NUMBER 37

FILE: RECAP.DGN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
6/16/2016 14:49:09 RECAP.DGN

ADDENDUM

STA. 498+65.2484 (LT)
250'-CLASS "A" TYPE 1 GUARD RAIL LT.
A = 168.1458'
B = 125'
2 - TERM. END SECTIONS REQ'D. (FLARED)
2 - TYPE I BRIDGE END SECTIONS
7 - SINGLE WHITE DELINEATORS
7 - SINGLE YELLOW DELINEATORS
30:1 TAPERS MEDIAN & OUTSIDE
(SEE WK. NO. GR-4 FOR DETAILS)
1-OM-3L, 1-OM-3R REQ'D.

UTILITIES:

ANR PIPELINE, MIDDLETON
2560 HIGHWAY 125 SOUTH
MIDDLETON, TN 38052-441
731-376-2922

ANR PIPELINE, SARDIS
2099 HOLLY GROVE ROAD
SARDIS, MS 38666
662-382-7113
JAMES ETHRIDGE

LEWISBURG WATER ASSOCIATION
2787 HWY 305 NORTH
OLIVE BRANCH, MS 38654-7945
662-895-6022
>> BARRY CALDWELL
>> 901-488-7161

NORTH CENTRAL ELECTRIC POWER
662-838-2151

CITY OF OLIVE BRANCH
PUBLIC WORKS DEPT.
OFFICE LOCATION
10175 HIGHWAY 178
OLIVE BRANCH, MS 38654
662-895-2827

CENTURY TELEPHONE
CUSTOMER SERVICE
100 CENTURYTEL DRIVE
MONROE, LOUISIANA 71203
>> JOSH GRIFFIS
>> 601-991-2388

COMCAST CABLE COMM.
901-372-8885

TOWN OF BYHALIA
WILLIAM ROSE
901-849-5801

DESIGN TEAM: NEEL-SCHAFFER

FILENAME: WK3.DGN

COUNTY: DESOTO & MARSHALL

PROJECT NO.: STP-0029-02(018)

SHEET ID: I-269 MAINLINE

FMS CON: 102556/306000 & 307000

| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(018) |

REVISIONS

| DATE | BY |
|---|---|
| 6-17-16 | RTM |

Wk. Sh. 3
Sh. No. 40

**ADDENDUM**

FMS CON: 102556/306000 & 307000

| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(018) |

| REVISIONS | | |
|---|---|---|
| | DATE | BY |
| 1 | 6-17-16 | RTM |

1 ADDED RIP RAP DITCH

Δ = 3° 47′ 07.394″ (LT)
D = 0° 30′ 00.000″
L = 757.077′
T = 378.676′
R = 11,459.156′
BK N 0° 00′ 11.897″ W
AH N 3° 47′ 19.291″ W
PC 415+98.899
PT 423+55.976

Δ = 3° 47′ 07.393″ (RT)
D = 0° 30′ 00.000″
L = 757.077′
T = 378.676′
R = 11,459.156′
BK N 3° 47′ 19.018″ W
AH N 0° 00′ 11.625″ W
PC 423+55.976
PT 431+13.053

PT Sta. 92+93.080

STA. 496+13.748 BR. ABUT. RT. LANE

STA. 496+02.822 BR. ABUT. LT. LANE

STA. 498+65.248 BR. ABUT. LT. LANE

STA. 498+76.174 BR. ABUT. RT. LANE

STA. 423+55.976

N 82° 42′ 23.414″ E

24″x32″ DROP INLET
TOP 363.47
INV. 358.02

15″ RCP
INV. 357.92

FIRE PLUG

℄ HWY 305 RELOCATED

Sta. 438+00.000
= Sta. 30+00.000 ACCESS RD.

36″ RCP (IN PLACE)

US FL 358.85

PC Sta. 30+89.000

PT Sta. 36+90.071

POT Sta. 37+56.362

PT Sta. 431+13.053

PT Sta. 31+96.60

PC Sta. 36+05.551

Sta. 450+00.00

RIPRAP V-DITCH WITH 3:1 SIDE SLOPE

DITCH PLUG

GRADING TO DRAIN

12″ - 30″ RCP

S 88° 25′ 14.472″ E

N 88° 55′ 55.796″ W

ABANDONED

TREES

PASTURE

| PERMANENT EROSION CONTROL ITEMS | UNITS | SYMBOL | TOTALS |
|---|---|---|---|
| DITCH LINER | S.Y. | | |
| SOIL REINF. MATERIAL | S.Y. | | |
| PAVED DITCH | C.Y. | | |
| RIPRAP | TON | | 1308 |
| GEOTEXTILE | S.Y. | | 2792 |
| SOLID SOD | S.Y. | | |

Sta. 422+54.557 ℄ HWY. 305 RELOCATION =
Sta. 497+37.998 ℄ I-269

PG 356.28

24.04

86′ LT STA 423+40.557 EDGE BR.
EL 332.24

36″ RCP IN PL.
FL 355.21

380 370 360 350 340 330 320 310

325.01 325.70 326.58 327.66 328.93 330.41 332.07 333.93 335.99 338.15 340.30 342.46 344.61 346.77 348.92 351.03 353.03 354.94 356.74 358.45 360.06 361.56 362.97 364.28 365.48 366.59 367.60 368.51 369.32 370.02 370.63 371.14 371.55 371.86 372.07 372.18 372.19 372.10 371.91 371.62 371.23 370.74 370.15 369.60 369.23 369.03 369.02 369.18 369.52 370.03 370.72 371.59 372.64 373.78 374.91 376.05 377.19 378.32 379.46 380.60

420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450

Wk. Sh. 3B
Sh. No. 42

PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

6/6/2016 1:06:39 WK3B 305 RELOC.DGN

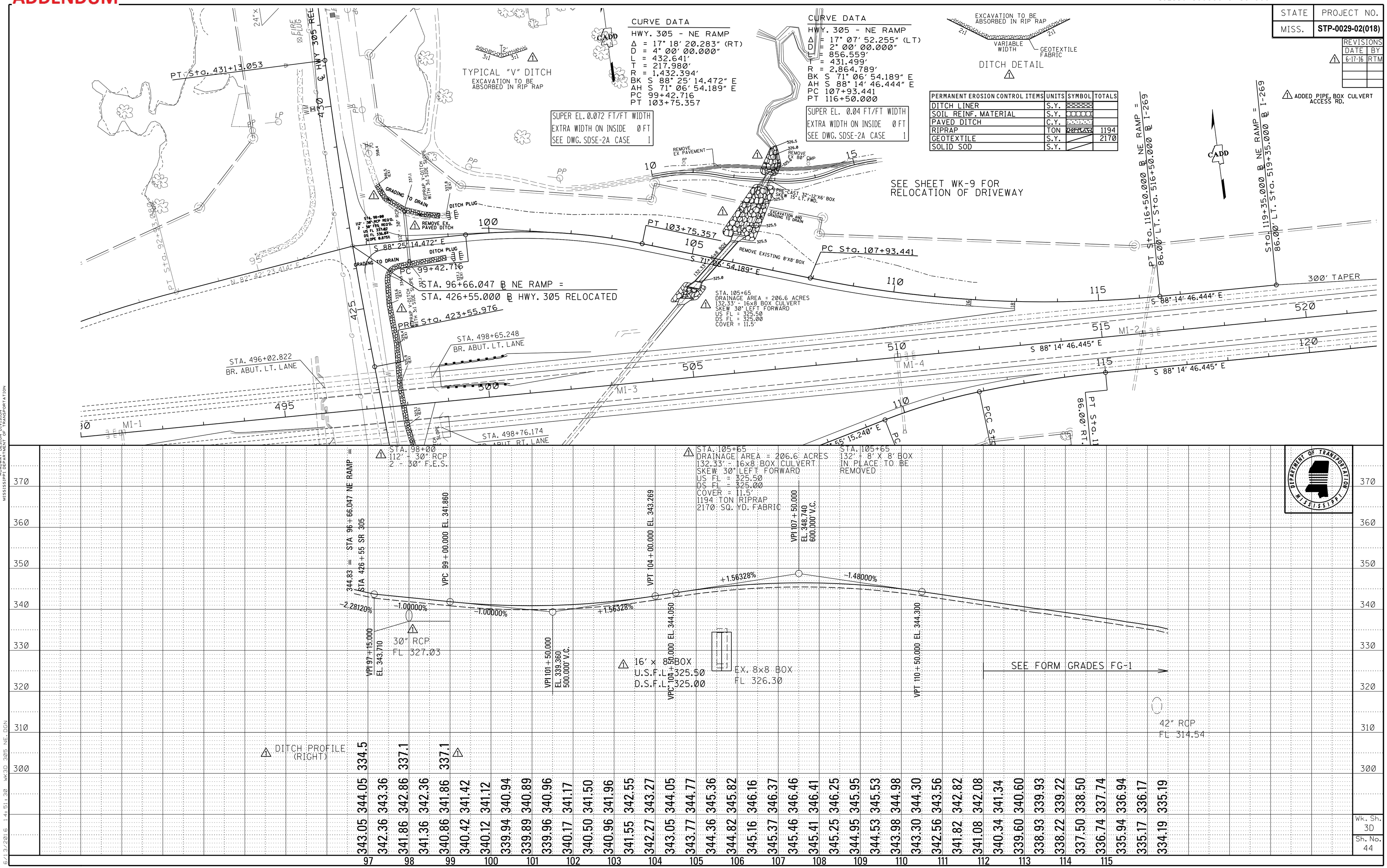
DESIGN TEAM: NEEL-SCHAFFER FILENAME: WK3B 305 RELOC.DGN COUNTY: DESOTO & MARSHALL PROJECT NO.: STP-0029-02(018) SHEET ID: HWY. 305 RELOCATION

**ADDENDUM**

FMS CON:102556/306000 & 307000

| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(018) |

| REVISIONS | | |
|---|---|---|
| | DATE | BY |
| 1 | 6-17-16 | RTM |
| | | |
| | | |
| | | |




| PERMANENT EROSION CONTROL ITEMS | UNITS | SYMBOL | TOTALS |
|---|---|---|---|
| DITCH LINER | S.Y. | | |
| SOIL REINF. MATERIAL | S.Y. | | |
| PAVED DITCH | C.Y. | | |
| RIPRAP | TON | | 1194 |
| GEOTEXTILE | S.Y. | | 2170 |
| SOLID SOD | S.Y. | | |

PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

6/13/2016 14:51:30 WK3D 305 NE.DGN

DESIGN TEAM: NEEL-SCHAFFER FILENAME:WK3D 305 NE.DGN COUNTY: DESOTO & MARSHALL PROJECT NO.: STP-0029-02(018) SHEET ID: HWY. 305 - NE RAMP

# ADDENDUM

FMS CON:102556/306000 & 307000

| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(018) |

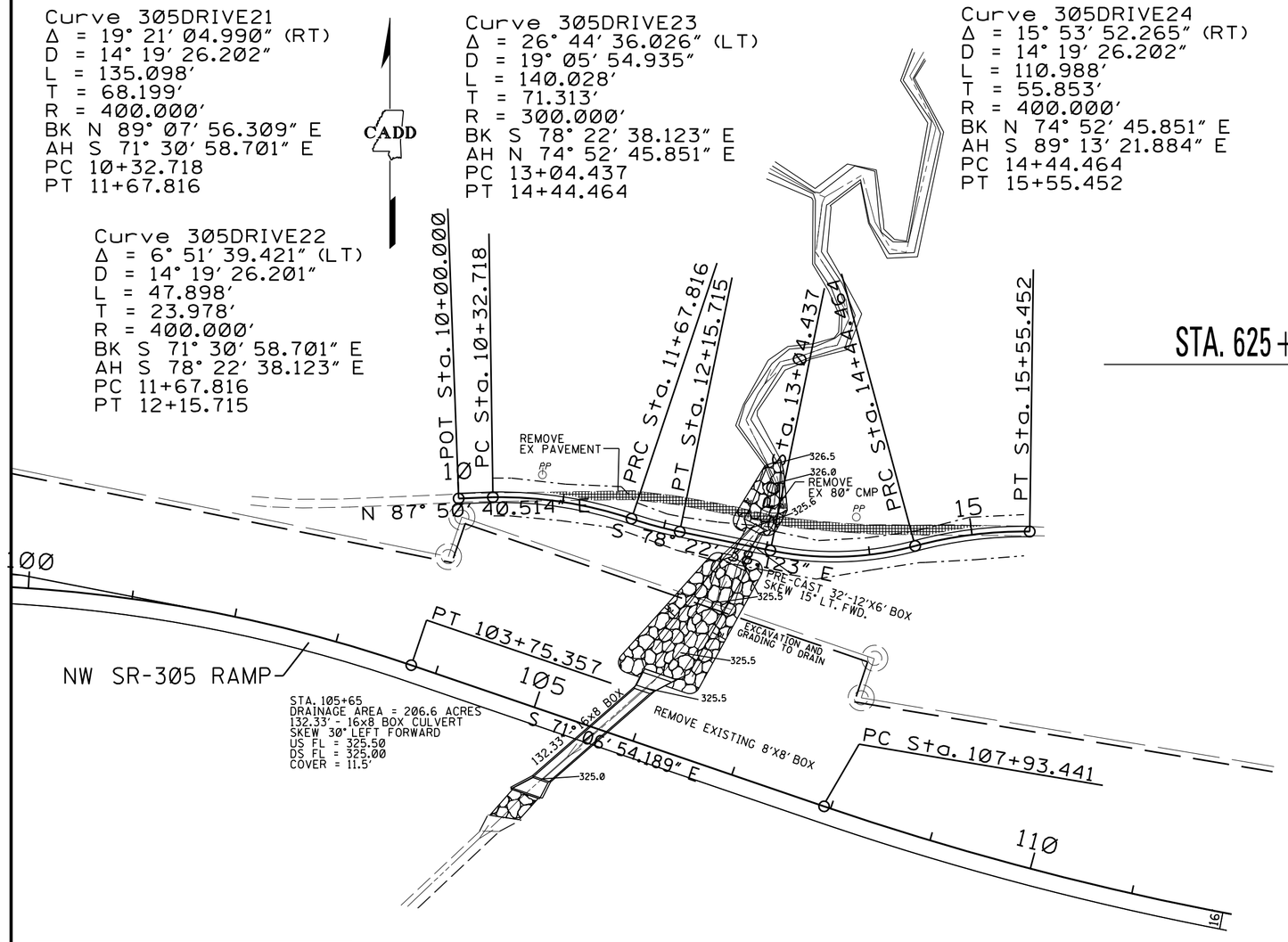
| REVISIONS | |
|---|---|
| DATE | BY |
| 6-17-16 | RTM |

Curve 305DRIVE21
Δ = 19° 21′ 04.990″ (RT)
D = 14° 19′ 26.202″
L = 135.098′
T = 68.199′
R = 400.000′
BK N 89° 07′ 56.309″ E
AH S 71° 30′ 58.701″ E
PC 10+32.718
PT 11+67.816

Curve 305DRIVE22
Δ = 6° 51′ 39.421″ (LT)
D = 14° 19′ 26.201″
L = 47.898′
T = 23.978′
R = 400.000′
BK S 71° 30′ 58.701″ E
AH S 78° 22′ 38.123″ E
PC 11+67.816
PT 12+15.715

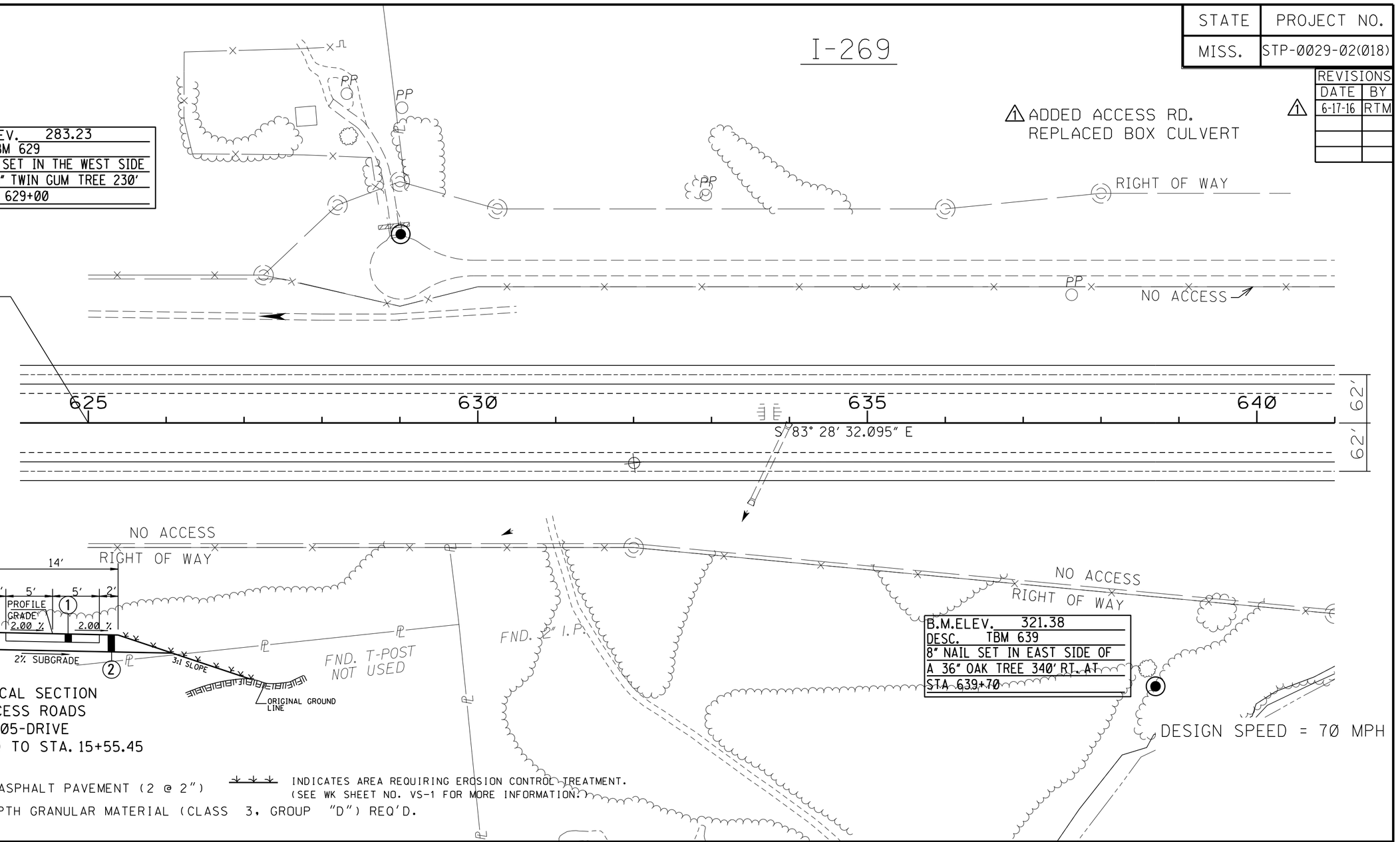
Curve 305DRIVE23
Δ = 26° 44′ 36.026″ (LT)
D = 19° 05′ 54.935″
L = 140.028′
T = 71.313′
R = 300.000′
BK S 78° 22′ 38.123″ E
AH N 74° 52′ 45.851″ E
PC 13+04.437
PT 14+44.464

Curve 305DRIVE24
Δ = 15° 53′ 52.265″ (RT)
D = 14° 19′ 26.202″
L = 110.988′
T = 55.853′
R = 400.000′
BK N 74° 52′ 45.851″ E
AH S 89° 13′ 21.884″ E
PC 14+44.464
PT 15+55.452



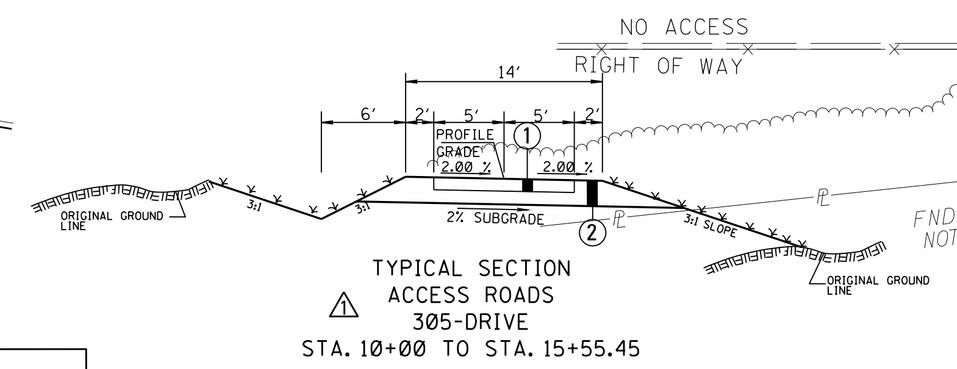

STA. 625+00 SEE WK. SH. NO. 08

B.M.ELEV. 283.23
DESC. TBM 629
8" NAIL SET IN THE WEST SIDE OF A 14" TWIN GUM TREE 230' LT. STA. 629+00




## DRIVEWAY RELOCATION

B.M.ELEV. 321.38
DESC. TBM 618
8" NAIL SET IN A 12" CHERRY TREE 475' RT. AT STA. 618+00



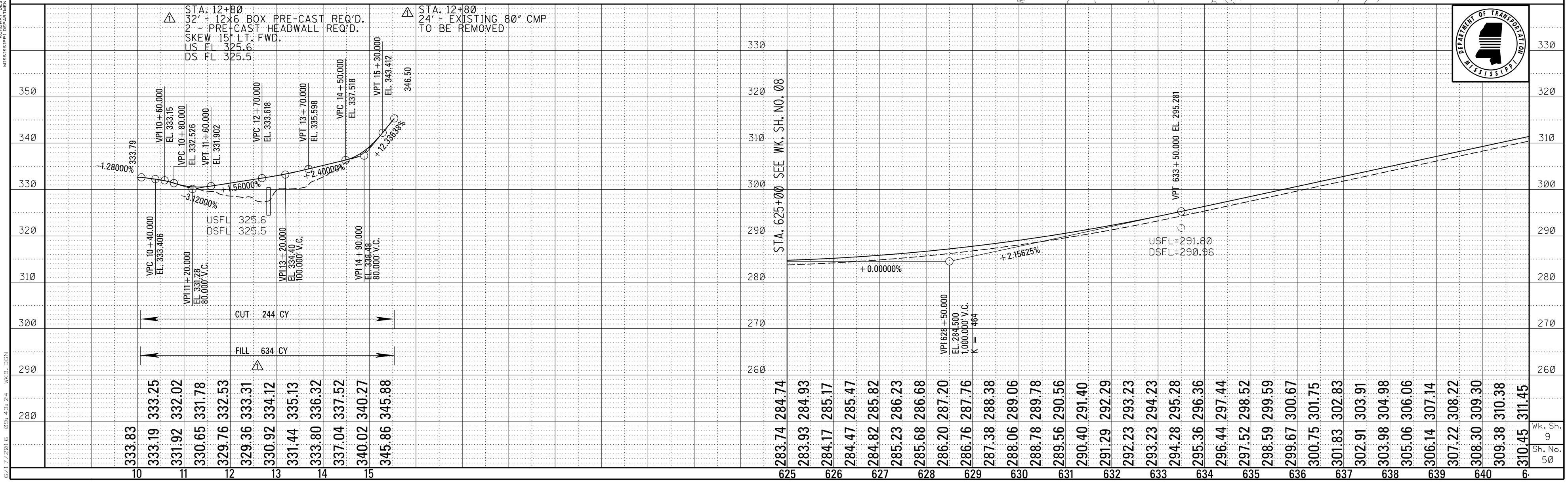

TYPICAL SECTION
ACCESS ROADS
305-DRIVE
STA. 10+00 TO STA. 15+55.45

| EARTHWORK TOTAL THIS SHEET | | |
|---|---|---|
| Cut | 244 | Cu.Yds |
| Fill | 634 | Cu.Yds |
| Excess | | Cu.Yds |
| Surplus | | Cu.Yds |
| Borrow( ) | | Cu.Yds |

① 4.0" 12.5 mm, ST. ASPHALT PAVEMENT (2 @ 2")

② 6.0" & VARIABLE DEPTH GRANULAR MATERIAL (CLASS 3, GROUP "D") REQ'D.

INDICATES AREA REQUIRING EROSION CONTROL TREATMENT. (SEE WK SHEET NO. VS-1 FOR MORE INFORMATION.)




Wk. Sh. 9
Sh. No. 50

PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

6/17/2016 09:43:24 WK9.DGN

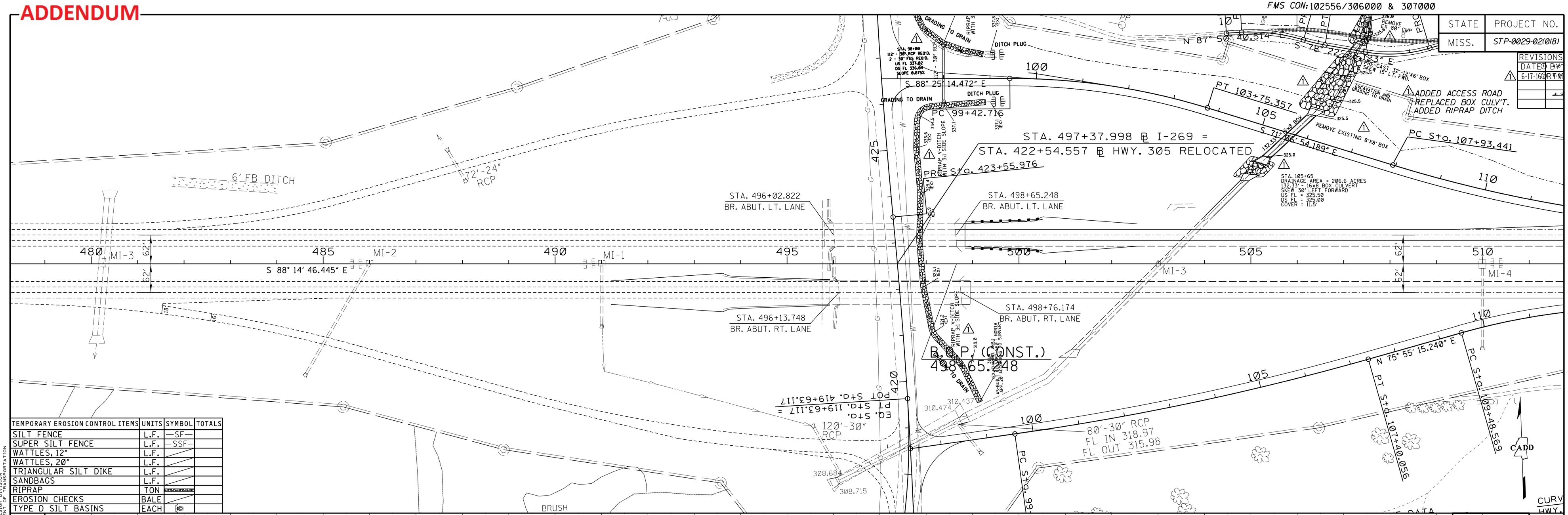
# ADDENDUM

FMS CON:102556/306000 & 307000

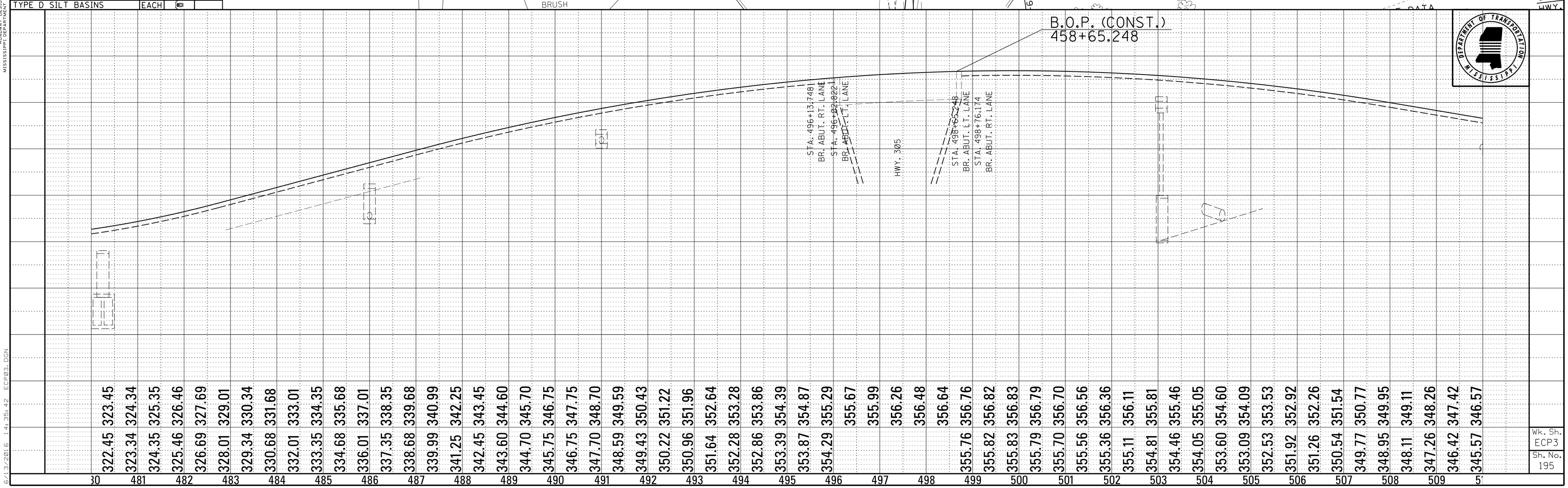
| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(018) |

| REVISIONS | |
|---|---|
| DATE | BY |
| 6-17-16 | RTM |

ADDED ACCESS ROAD
REPLACED BOX CULV'T.
ADDED RIPRAP DITCH




| TEMPORARY EROSION CONTROL ITEMS | UNITS | SYMBOL | TOTALS |
|---|---|---|---|
| SILT FENCE | L.F. | —SF— | |
| SUPER SILT FENCE | L.F. | —SSF— | |
| WATTLES, 12" | L.F. | | |
| WATTLES, 20" | L.F. | | |
| TRIANGULAR SILT DIKE | L.F. | | |
| SANDBAGS | L.F. | | |
| RIPRAP | TON | | |
| EROSION CHECKS | BALE | | |
| TYPE D SILT BASINS | EACH | | |




PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

6/3/2016 14:35:42 ECP03.DGN

Wk. Sh. ECP3
Sh. No. 195

DESIGN TEAM: NEEL-SCHAFFER FILENAME: COUNTY: DESOTO PROJECT NO.: STP-0029-02(018) SHEET ID: I-269_MAINLINE EROSION CONTROL

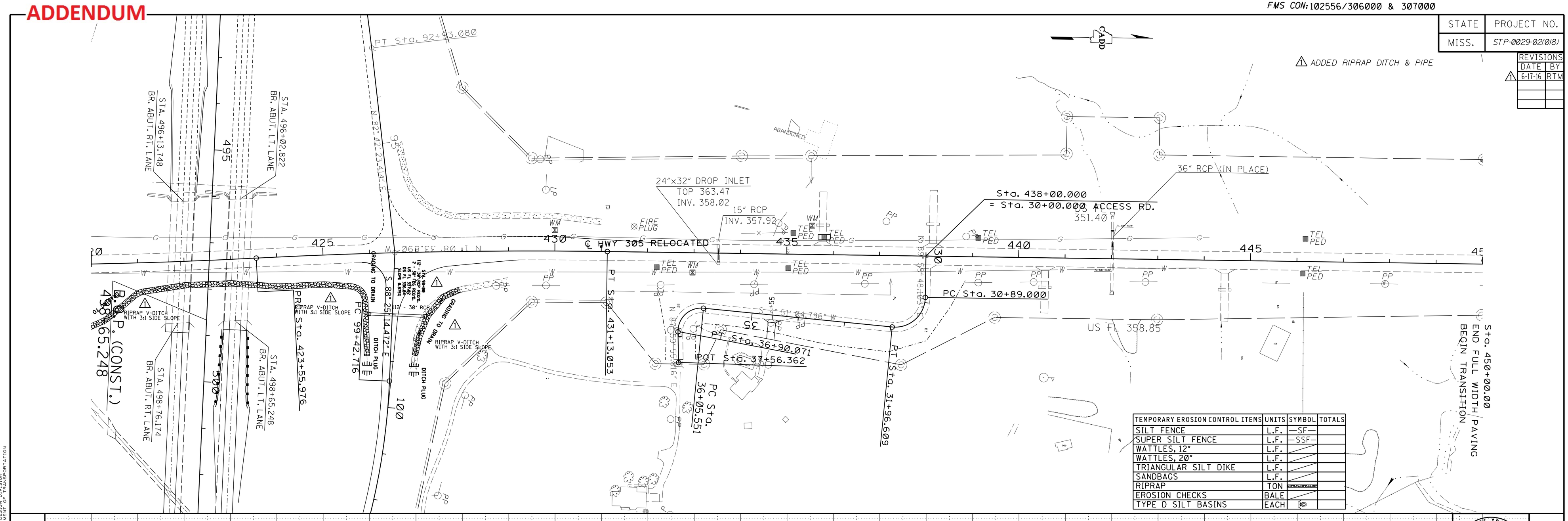
ADDENDUM

FMS CON:102556/306000 & 307000

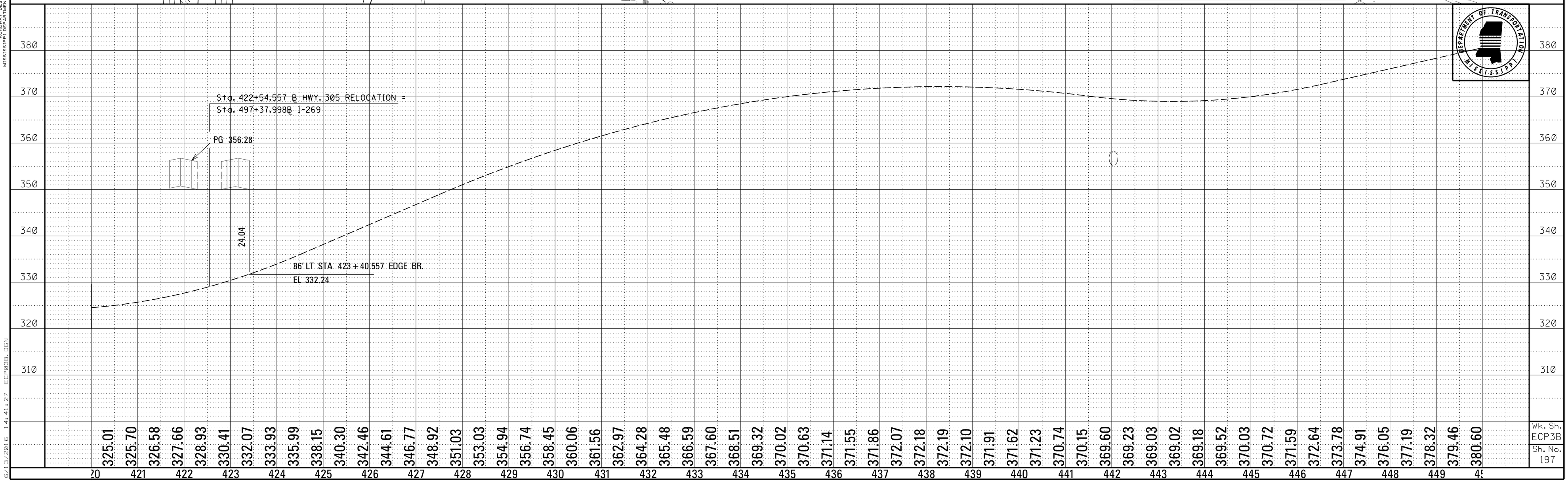
| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(018) |

| REVISIONS | | |
|---|---|---|
| | DATE | BY |
| 1 | 6-17-16 | RTM |

1 ADDED RIPRAP DITCH & PIPE




| TEMPORARY EROSION CONTROL ITEMS | UNITS | SYMBOL | TOTALS |
|---|---|---|---|
| SILT FENCE | L.F. | —SF— | |
| SUPER SILT FENCE | L.F. | —SSF— | |
| WATTLES, 12" | L.F. | | |
| WATTLES, 20" | L.F. | | |
| TRIANGULAR SILT DIKE | L.F. | | |
| SANDBAGS | L.F. | | |
| RIPRAP | TON | | |
| EROSION CHECKS | BALE | | |
| TYPE D SILT BASINS | EACH | | |




Wk. Sh. ECP3B
Sh. No. 197

PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

6/13/2016 14:41:27 ECP03B.DGN

DESIGN TEAM: NEEL-SCHAFFER FILENAME: COUNTY: DESOTO PROJECT NO. : STP-0029-02(018) SHEET ID: HWY._305_RELOCATION EROSION CONTROL

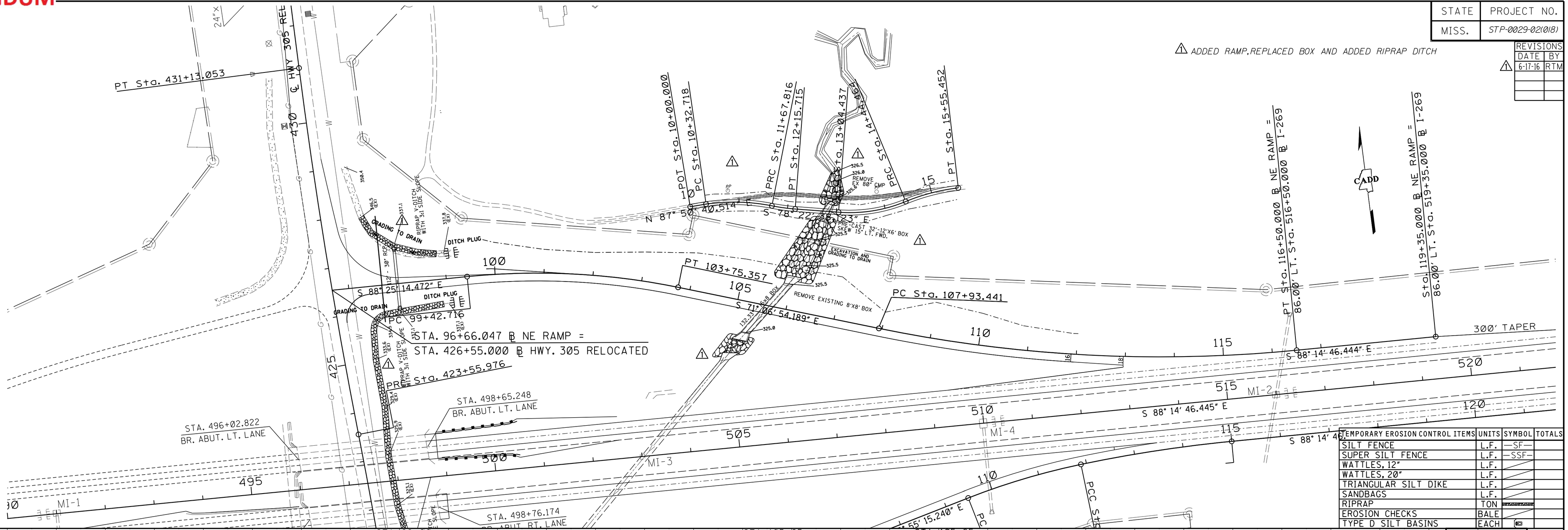
# ADDENDUM

FMS CON:102556/306000 & 307000

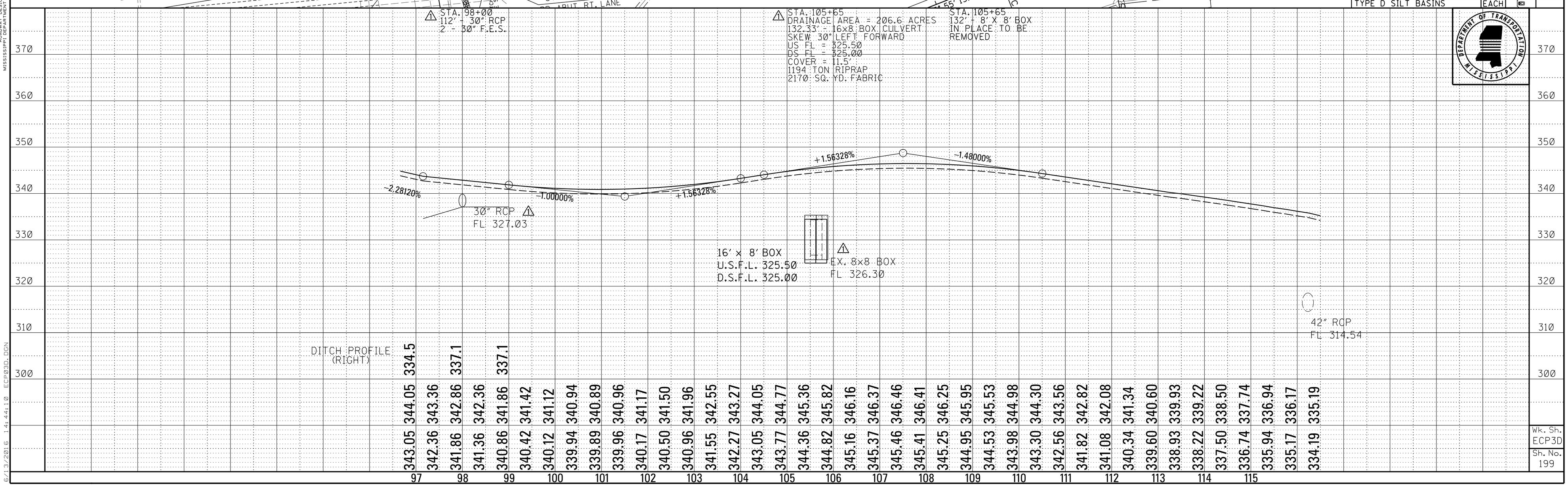
| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(018) |

| REVISIONS | | |
|---|---|---|
| | DATE | BY |
| 1 | 6-17-16 | RTM |

1 ADDED RAMP, REPLACED BOX AND ADDED RIPRAP DITCH




| TEMPORARY EROSION CONTROL ITEMS | UNITS | SYMBOL | TOTALS |
|---|---|---|---|
| SILT FENCE | L.F. | —SF— | |
| SUPER SILT FENCE | L.F. | —SSF— | |
| WATTLES, 12" | L.F. | | |
| WATTLES, 20" | L.F. | | |
| TRIANGULAR SILT DIKE | L.F. | | |
| SANDBAGS | L.F. | | |
| RIPRAP | TON | | |
| EROSION CHECKS | BALE | | |
| TYPE D SILT BASINS | EACH | | |




Wk. Sh. ECP3D
Sh. No. 199

PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

6/13/2016 14:44:10 ECP3D.DGN

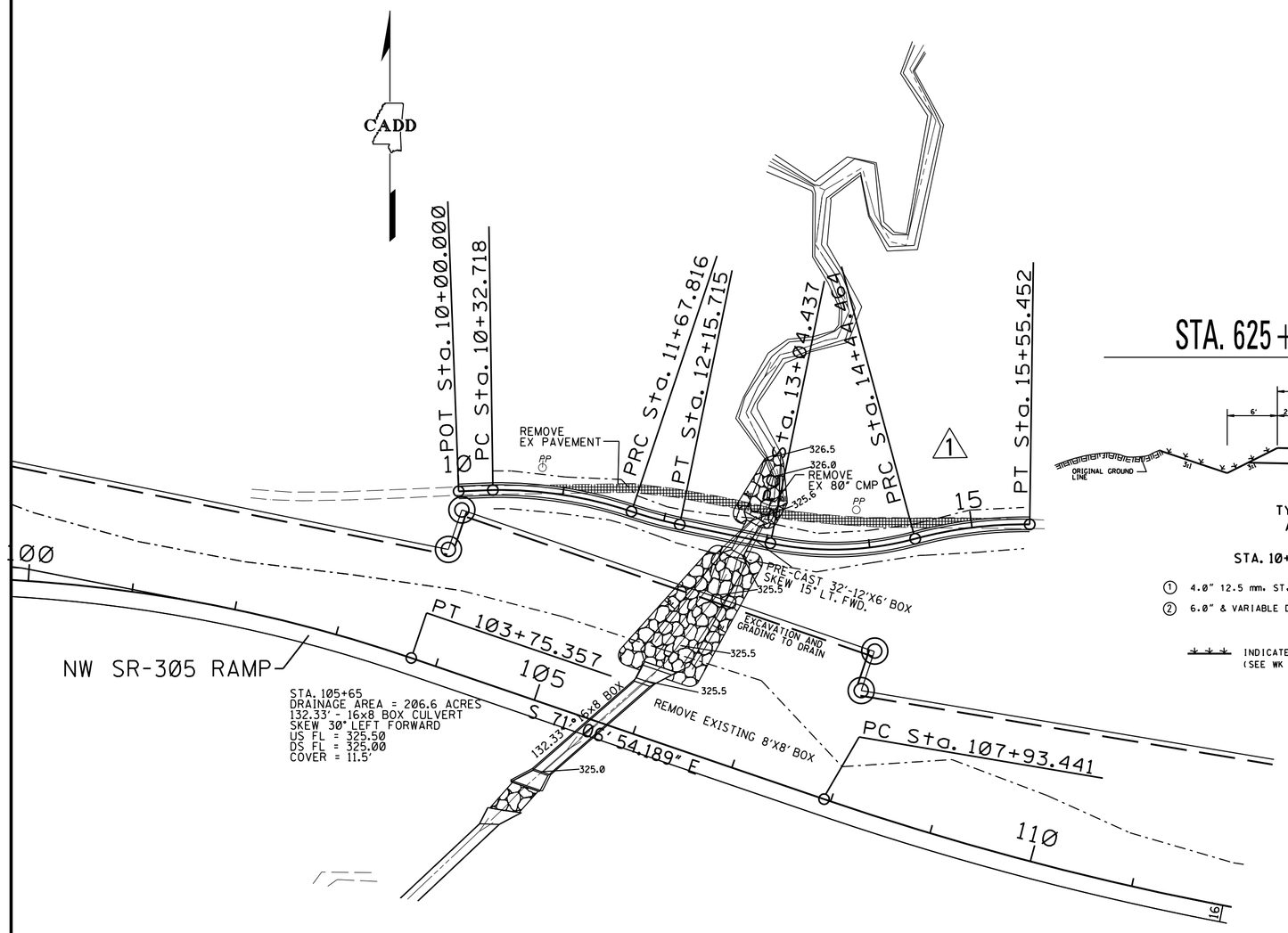
DESIGN TEAM: NEEL-SCHAFFER FILENAME: COUNTY: DESOTO PROJECT NO. : STP-0029-02(018) SHEET ID: HWY._305_-_NE_RAMP EROSION CONTROL

ADDENDUM

FMS CON:102556/306000 & 307000

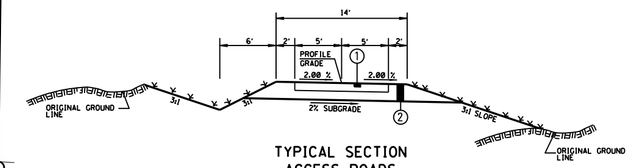
| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(018) |

| REVISIONS | |
|---|---|
| DATE | BY |
| 6-17-16 | RTM |




DRIVEWAY RELOCATION

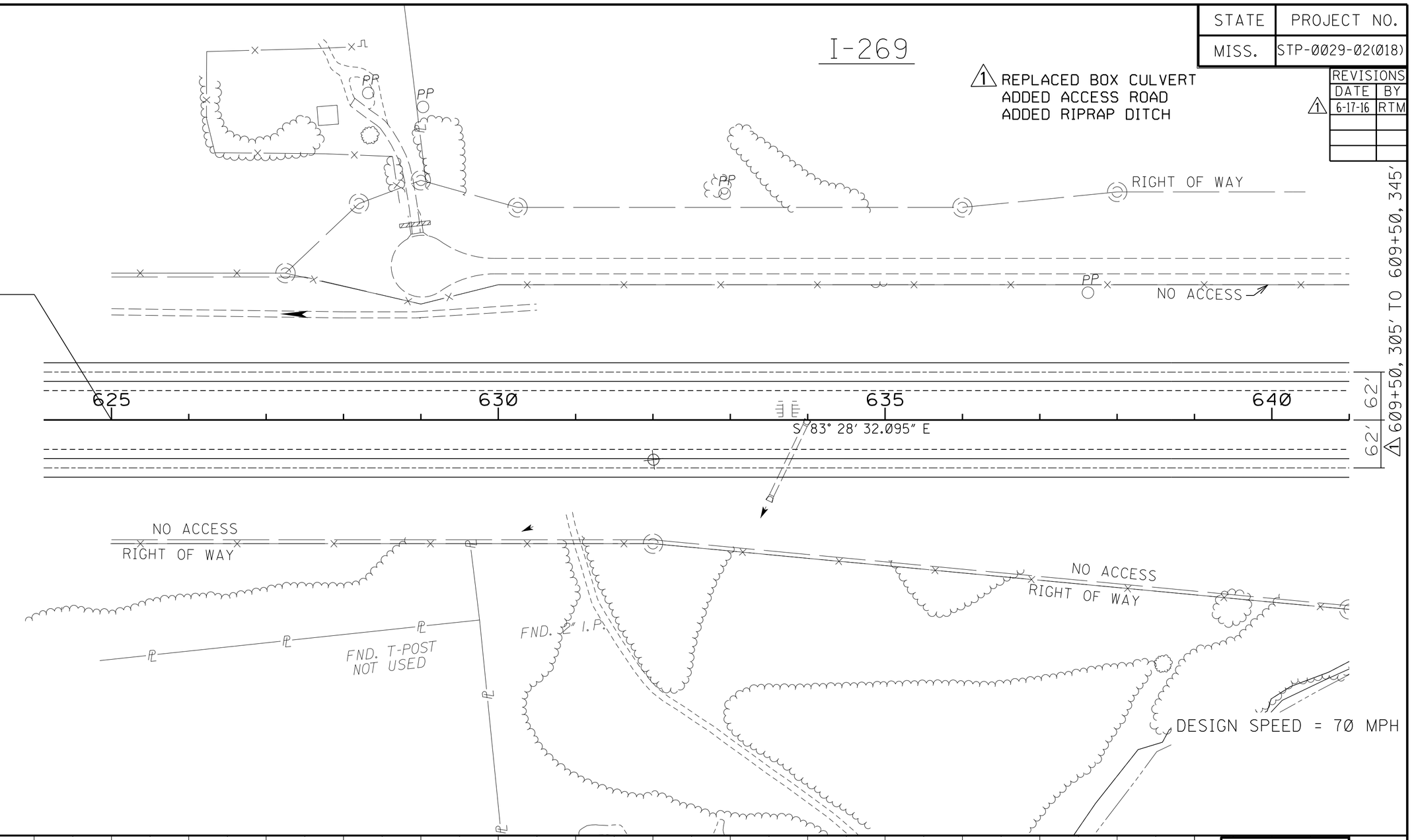
STA. 625+00 SEE WK. SH. NO. 08

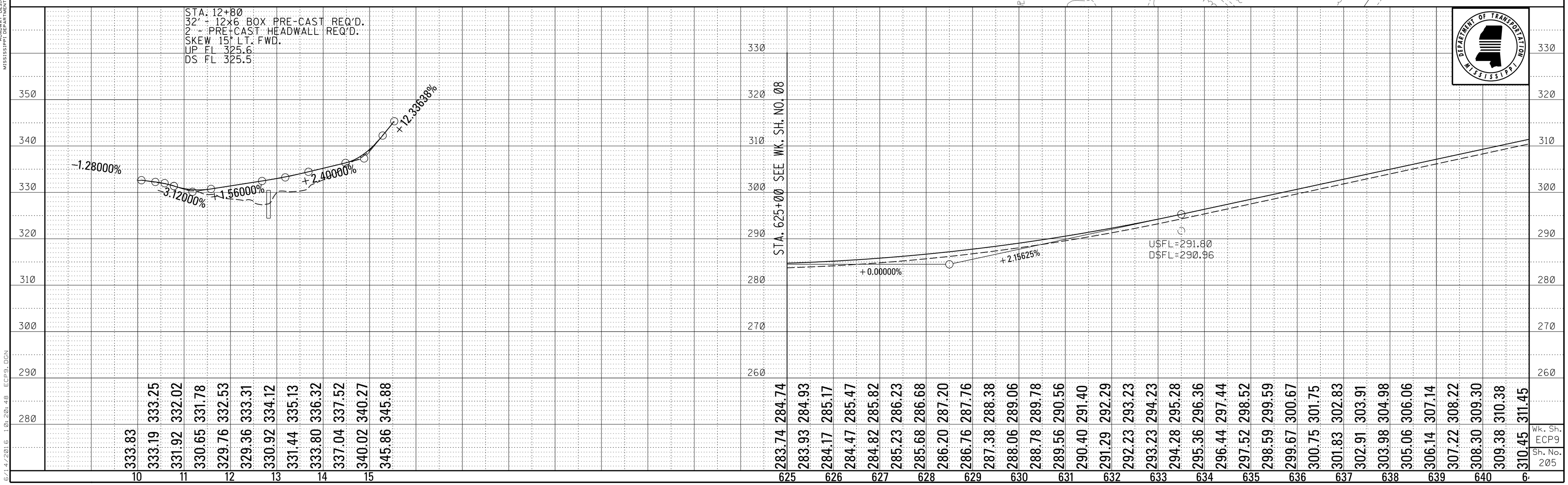



TYPICAL SECTION
ACCESS ROADS
305-DRIVE
STA. 10+00 TO STA. 15+55.45

1. 4.0" 12.5 mm. ST. ASPHALT PAVEMENT (2 @ 2")
2. 6.0" & VARIABLE DEPTH GRANULAR MATERIAL (CLASS 3, GROUP "D") REQ'D.

INDICATES AREA REQUIRING EROSION CONTROL TREATMENT. (SEE WK SHEET NO. VS-1 FOR MORE INFORMATION.)




Wk. Sh. ECP9
Sh. No. 205

PLAN-PROFILE
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

6/14/2016 10:20:48 ECP9.DGN

# ADDENDUM

FMS CON:102556/306000 & 307000

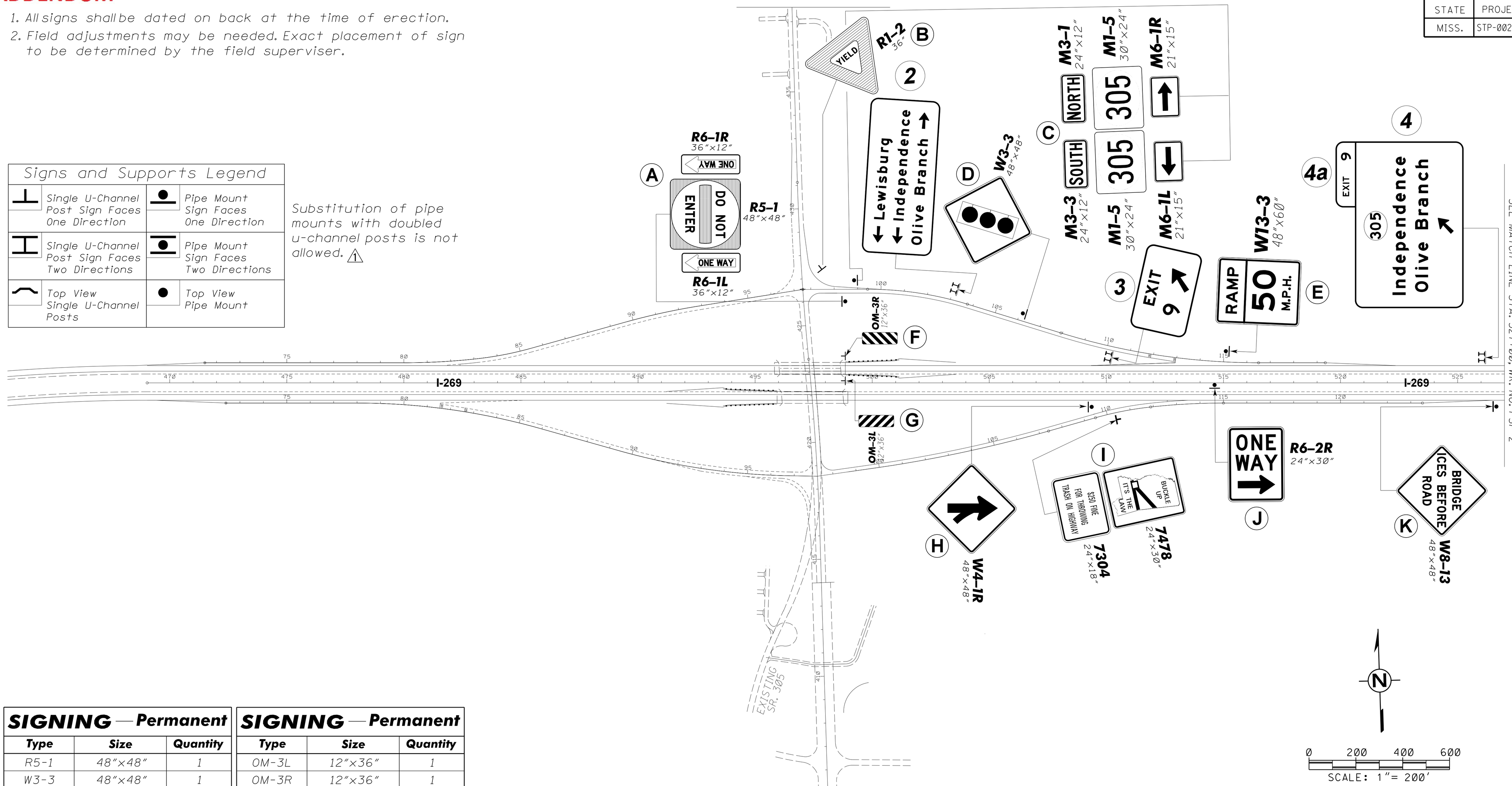
| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(018) |

1. All signs shall be dated on back at the time of erection.
2. Field adjustments may be needed. Exact placement of sign to be determined by the field superviser.

## Signs and Supports Legend

| | |
|---|---|
| Single U-Channel Post Sign Faces One Direction | Pipe Mount Sign Faces One Direction |
| Single U-Channel Post Sign Faces Two Directions | Pipe Mount Sign Faces Two Directions |
| Top View Single U-Channel Posts | Top View Pipe Mount |

Substitution of pipe mounts with doubled u-channel posts is not allowed. 1




## SIGNING — Permanent

| Type | Size | Quantity |
|---|---|---|
| R5-1 | 48"x48" | 1 |
| W3-3 | 48"x48" | 1 |
| W13-3 | 48"x60" | 1 |
| R6-2R | 24"x30" | 1 |
| W8-13 | 48"x48" | 1 |
| 7478 | 24"x30" | 1 |
| 7304 | 24"x18" | 1 |
| W4-1R | 48"x48" | 1 |
| M3-3 | 24"x12" | 1 |
| M1-5 | 30"x24" | 2 |
| M3-1 | 24"x12" | 1 |
| R1-2 | 36"x36"x36" | 1 |

## SIGNING — Permanent

| Type | Size | Quantity |
|---|---|---|
| OM-3L | 12"x36" | 1 |
| OM-3R | 12"x36" | 1 |
| R6-1R | 36"x12" | 1 |
| R6-1L | 36"x12" | 1 |
| M6-1L | 21"x15" | 1 |
| M6-1R | 21"x15" | 1 |

| DATE | REVISED NOTE | BY |
|---|---|---|
| 6-17-16 | REVISION | RTM |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**Permanent Signing Plan**

**B.O.P. – STA. 527+00**

**Project No.: STP-0029-02(018)**
**County: Desoto & Marshall**

WORKING NUMBER PSP-1

SHEET NUMBER 1001

FILENAME: PSP-1.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

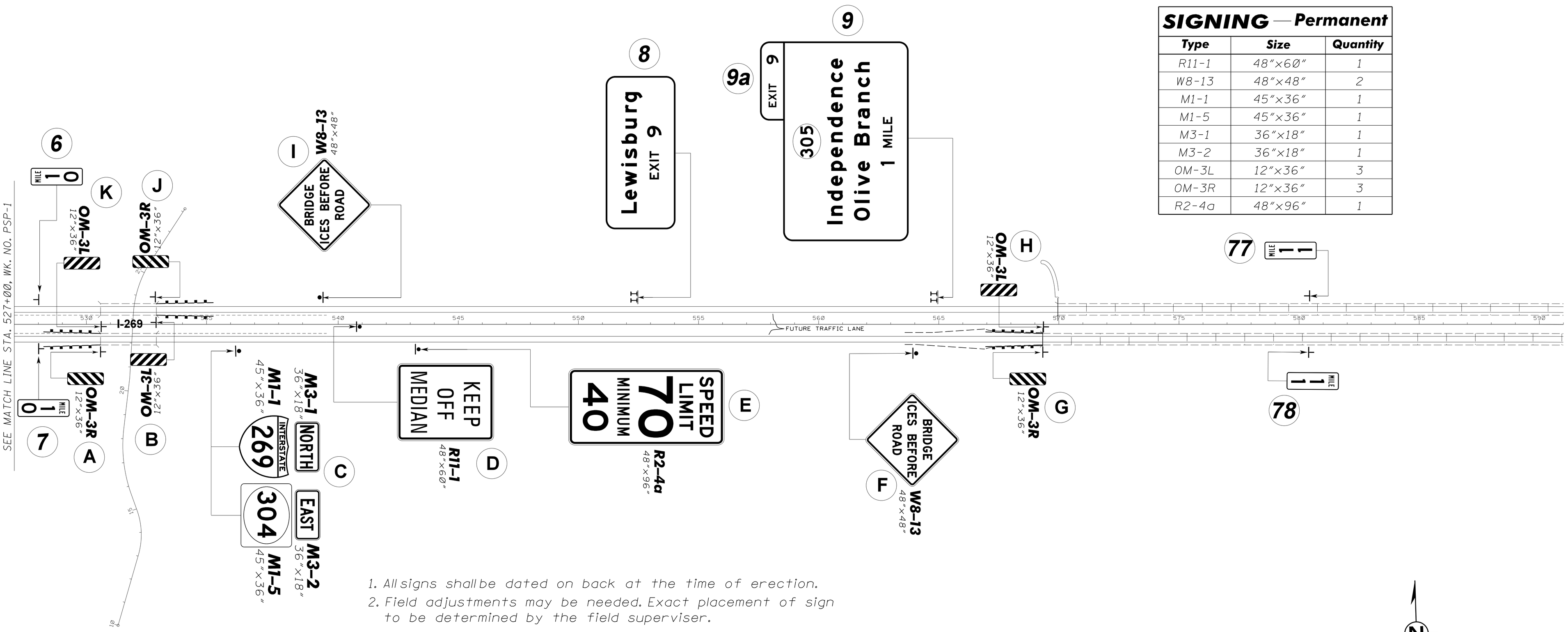
PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

6/13/2016 1:41:22 PSP-1.DGN

ADDENDUM

FMS CON:102556/306000 & 307000

| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(018) |




## SIGNING — Permanent

| Type | Size | Quantity |
|---|---|---|
| R11-1 | 48"×60" | 1 |
| W8-13 | 48"×48" | 2 |
| M1-1 | 45"×36" | 1 |
| M1-5 | 45"×36" | 1 |
| M3-1 | 36"×18" | 1 |
| M3-2 | 36"×18" | 1 |
| OM-3L | 12"×36" | 3 |
| OM-3R | 12"×36" | 3 |
| R2-4a | 48"×96" | 1 |

1. All signs shall be dated on back at the time of erection.
2. Field adjustments may be needed. Exact placement of sign to be determined by the field superviser.

N

0 200 400 600

SCALE: 1"= 200'

| Signs and Supports Legend | |
|---|---|
| Single U-Channel Post Sign Faces One Direction | Pipe Mount Sign Faces One Direction |
| Single U-Channel Post Sign Faces Two Directions | Pipe Mount Sign Faces Two Directions |
| Top View Single U-Channel Posts | Top View Pipe Mount |

Substitution of pipe mounts with doubled u-channel posts is not allowed. 1

| DATE | REVISED NOTE REVISION | BY |
|---|---|---|
| 6-17-16 | | RTM |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**Permanent Signing Plan**

**STA. 527+00 – STA. 591+00**

**Project No.: STP-0029-02(018)**
**County: Desoto & Marshall**

FILENAME: PSP-2.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

WORKING NUMBER PSP-2

SHEET NUMBER 1002

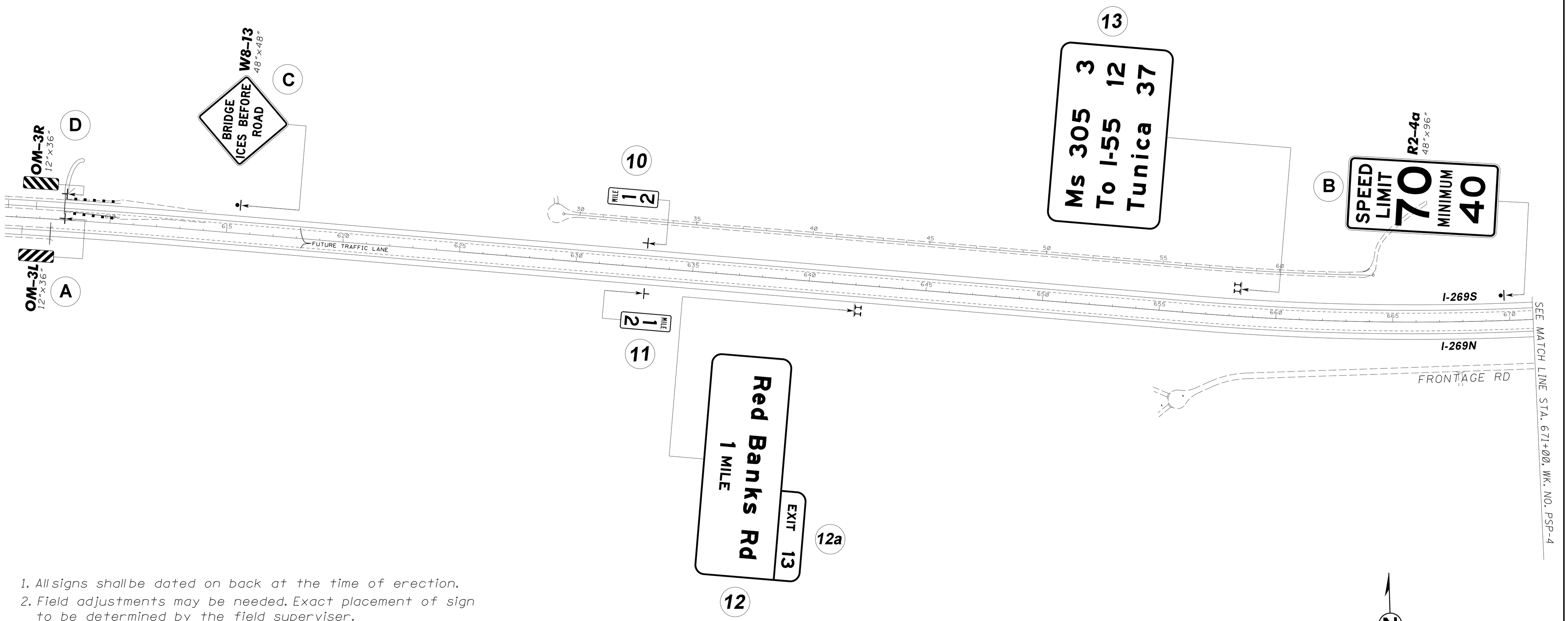
PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

6/13/2016 1:41:03:27 PSP-2.DGN

ADDENDUM

FMS CON:102556/306000 & 307000

| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(018) |




1. All signs shall be dated on back at the time of erection.
2. Field adjustments may be needed. Exact placement of sign to be determined by the field superviser.

| Signs and Supports Legend | |
|---|---|
| Single U-Channel Post Sign Faces One Direction | Pipe Mount Sign Faces One Direction |
| Single U-Channel Post Sign Faces Two Directions | Pipe Mount Sign Faces Two Directions |
| Top View Single U-Channel Posts | Top View Pipe Mount |

Substitution of pipe mounts with doubled u-channel posts is not allowed. △1

**SIGNING — Permanent**

| Type | Size | Quantity |
|---|---|---|
| W8-13 | 48"×48" | 1 |
| OM-3L | 12"×36" | 1 |
| OM-3R | 12"×36" | 1 |
| R2-4a | 48"×96" | 1 |
| | | |

| DATE | REVISED NOTE REVISION | BY |
|---|---|---|
| 6-17-16 | | RTM |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**Permanent Signing Plan**

**STA. 606+00 – STA. 671+00**

**Project No.: STP-0029-02(018)**
**County: Desoto & Marshall**

FILENAME: PSP-3.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

WORKING NUMBER PSP-3

SHEET NUMBER 1003

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

6/13/2016 1:4:04:35 PSP-3.DGN

# ADDENDUM

FMS CON:102556/306000 & 307000

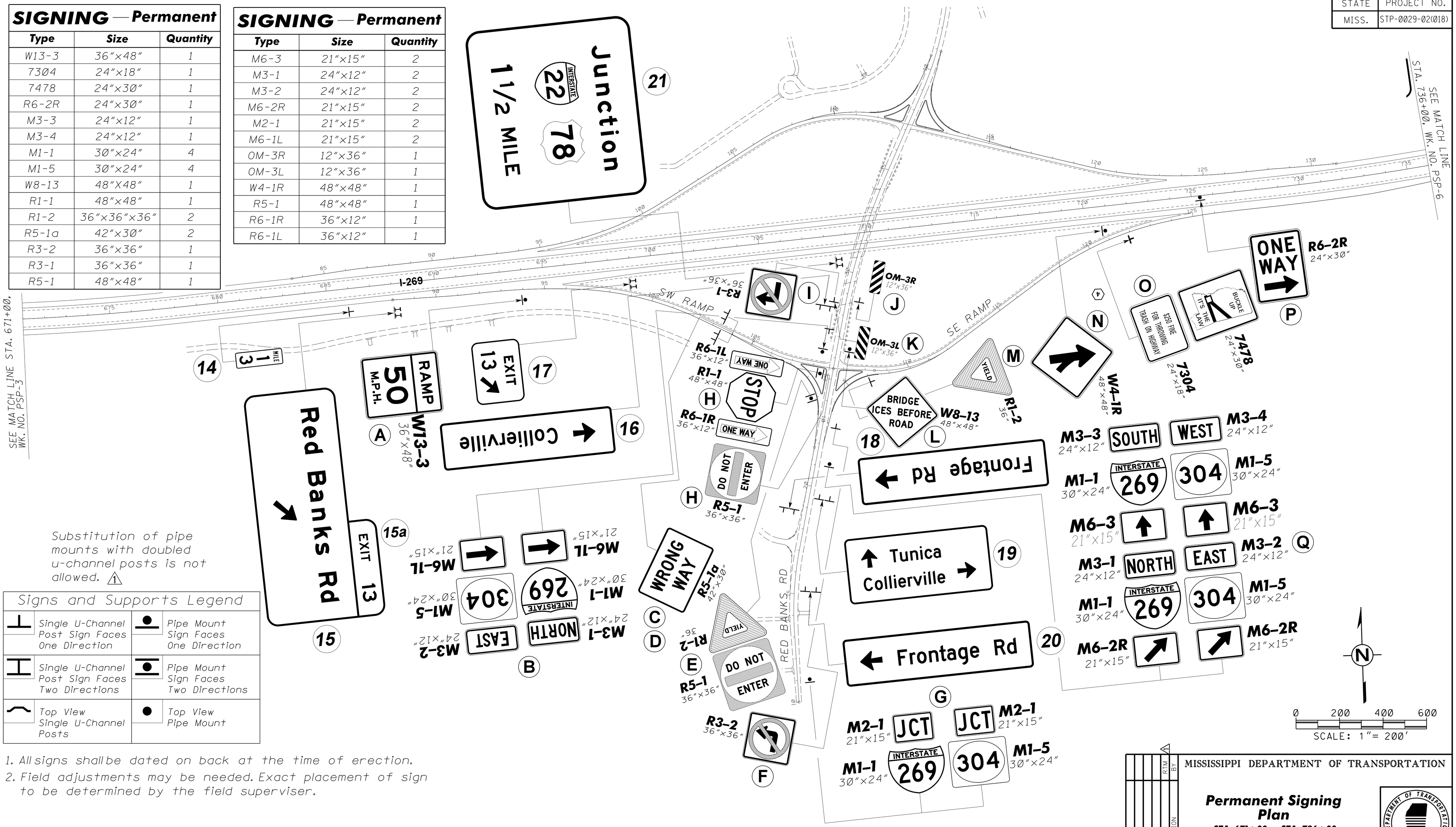
| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(018) |

## SIGNING — Permanent

| Type | Size | Quantity |
|---|---|---|
| W13-3 | 36"x48" | 1 |
| 7304 | 24"x18" | 1 |
| 7478 | 24"x30" | 1 |
| R6-2R | 24"x30" | 1 |
| M3-3 | 24"x12" | 1 |
| M3-4 | 24"x12" | 1 |
| M1-1 | 30"x24" | 4 |
| M1-5 | 30"x24" | 4 |
| W8-13 | 48"X48" | 1 |
| R1-1 | 48"x48" | 1 |
| R1-2 | 36"x36"x36" | 2 |
| R5-1a | 42"x30" | 2 |
| R3-2 | 36"x36" | 1 |
| R3-1 | 36"x36" | 1 |
| R5-1 | 48"x48" | 1 |

## SIGNING — Permanent

| Type | Size | Quantity |
|---|---|---|
| M6-3 | 21"x15" | 2 |
| M3-1 | 24"x12" | 2 |
| M3-2 | 24"x12" | 2 |
| M6-2R | 21"x15" | 2 |
| M2-1 | 21"x15" | 2 |
| M6-1L | 21"x15" | 2 |
| OM-3R | 12"x36" | 1 |
| OM-3L | 12"x36" | 1 |
| W4-1R | 48"x48" | 1 |
| R5-1 | 48"x48" | 1 |
| R6-1R | 36"x12" | 1 |
| R6-1L | 36"x12" | 1 |




Substitution of pipe mounts with doubled u-channel posts is not allowed. ⚠1

| Signs and Supports Legend | |
|---|---|
| Single U-Channel Post Sign Faces One Direction | Pipe Mount Sign Faces One Direction |
| Single U-Channel Post Sign Faces Two Directions | Pipe Mount Sign Faces Two Directions |
| Top View Single U-Channel Posts | Top View Pipe Mount |

1. All signs shall be dated on back at the time of erection.
2. Field adjustments may be needed. Exact placement of sign to be determined by the field superviser.

| DATE | REVISED NOTE REVISION | BY |
|---|---|---|
| 6-17-16 | | RTM |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**Permanent Signing Plan**

**STA. 671+00 – STA. 736+00**

**Project No.: STP-0029-02(018)**
**County: Desoto & Marshall**

WORKING NUMBER PSP-4

SHEET NUMBER 1004

FILENAME: PSP-4.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

6/13/2016 14:05:39 PSP-4.DGN

**ADDENDUM**

FMS CON:102556/306000 & 307000

| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(018) |

1. All signs shall be dated on back at the time of erection.
2. Field adjustments may be needed. Exact placement of sign to be determined by the field superviser.

## Signs and Supports Legend

| | |
|---|---|
| Single U-Channel Post Sign Faces One Direction | Pipe Mount Sign Faces One Direction |
| Single U-Channel Post Sign Faces Two Directions | Pipe Mount Sign Faces Two Directions |
| Top View Single U-Channel Posts | Top View Pipe Mount |

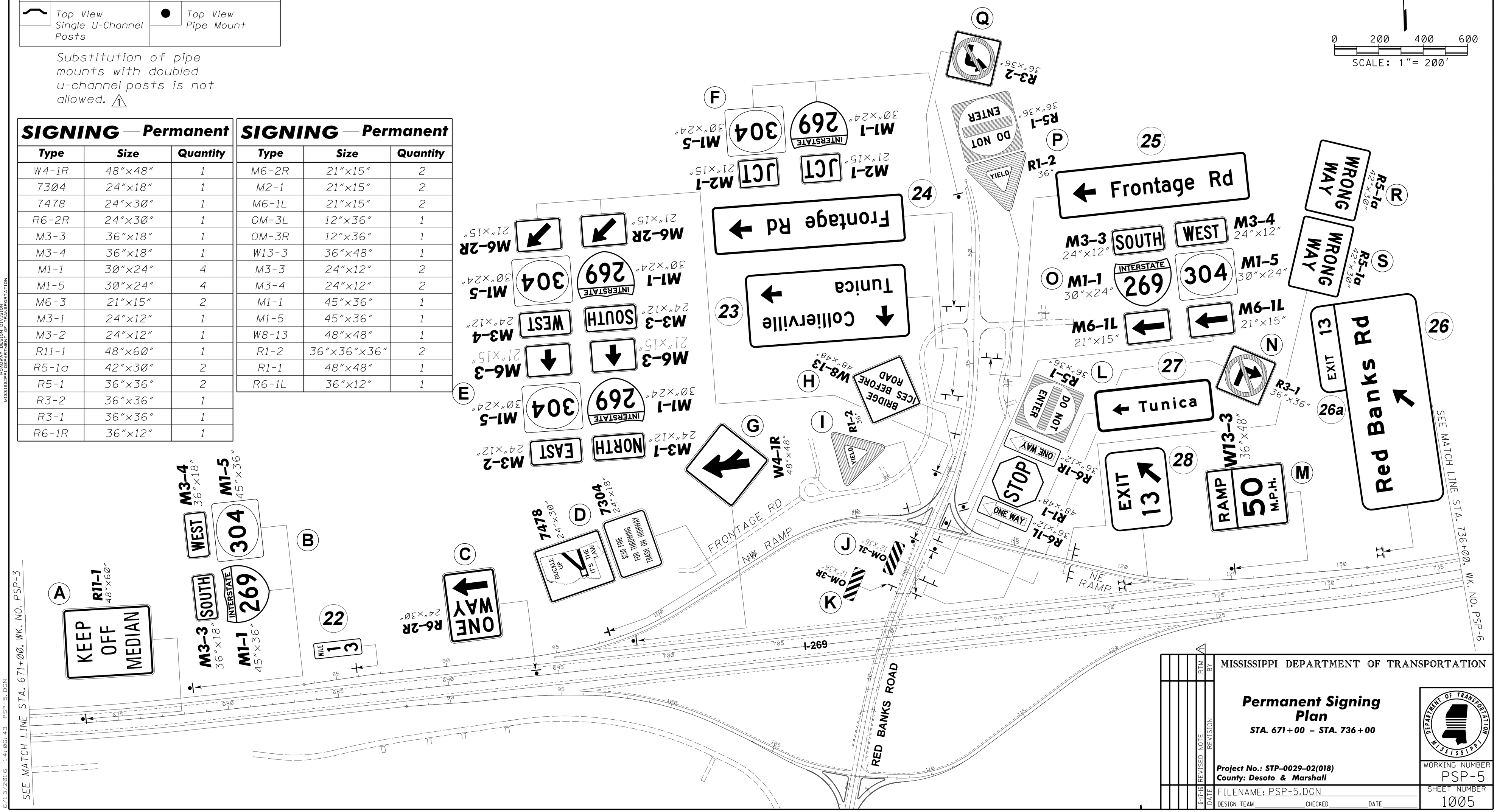
Substitution of pipe mounts with doubled u-channel posts is not allowed. ⚠1

## SIGNING — Permanent

| Type | Size | Quantity |
|---|---|---|
| W4-1R | 48"×48" | 1 |
| 7304 | 24"×18" | 1 |
| 7478 | 24"×30" | 1 |
| R6-2R | 24"×30" | 1 |
| M3-3 | 36"×18" | 1 |
| M3-4 | 36"×18" | 1 |
| M1-1 | 30"×24" | 4 |
| M1-5 | 30"×24" | 4 |
| M6-3 | 21"×15" | 2 |
| M3-1 | 24"×12" | 1 |
| M3-2 | 24"×12" | 1 |
| R11-1 | 48"×60" | 1 |
| R5-1a | 42"×30" | 2 |
| R5-1 | 36"×36" | 2 |
| R3-2 | 36"×36" | 1 |
| R3-1 | 36"×36" | 1 |
| R6-1R | 36"×12" | 1 |

## SIGNING — Permanent

| Type | Size | Quantity |
|---|---|---|
| M6-2R | 21"×15" | 2 |
| M2-1 | 21"×15" | 2 |
| M6-1L | 21"×15" | 2 |
| OM-3L | 12"×36" | 1 |
| OM-3R | 12"×36" | 1 |
| W13-3 | 36"×48" | 1 |
| M3-3 | 24"×12" | 2 |
| M3-4 | 24"×12" | 2 |
| M1-1 | 45"×36" | 1 |
| M1-5 | 45"×36" | 1 |
| W8-13 | 48"×48" | 1 |
| R1-2 | 36"×36"×36" | 2 |
| R1-1 | 48"×48" | 1 |
| R6-1L | 36"×12" | 1 |




MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**Permanent Signing Plan**

**STA. 671+00 – STA. 736+00**

**Project No.: STP-0029-02(018)**
**County: Desoto & Marshall**

| DATE | REVISED NOTE REVISION | BY |
|---|---|---|
| 6-17-16 | | RTM |

FILENAME: PSP-5.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

WORKING NUMBER: PSP-5
SHEET NUMBER: 1005

PLAN ROADWAY DESIGN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

6/13/2016 14:06:43 PSP-5.DGN

# ADDENDUM

1. All signs shall be dated on back at the time of erection.
2. Field adjustments may be needed. Exact placement of sign to be determined by the field superviser.

FMS CON: 102556/306000 & 307000

| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(018) |

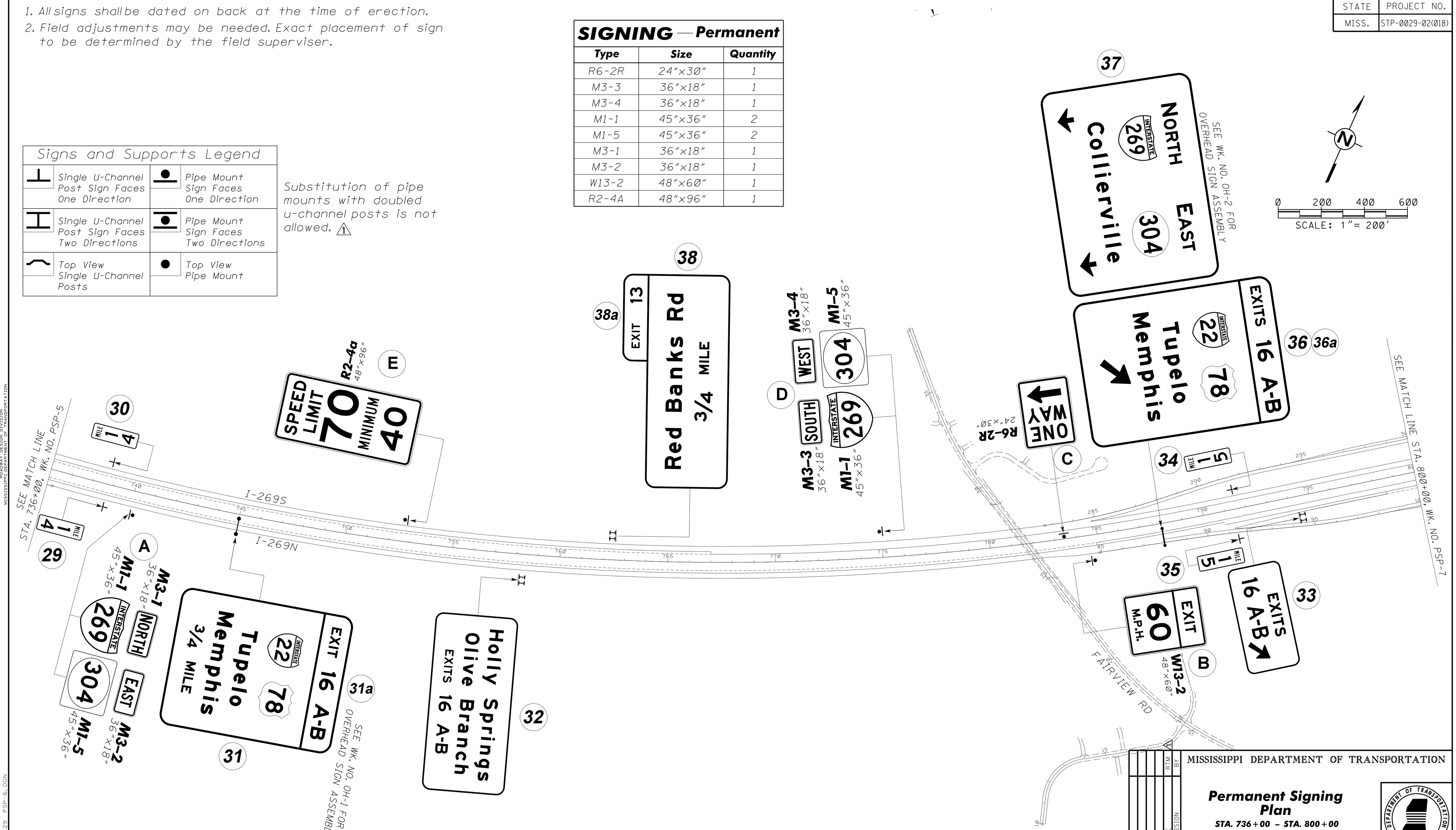
## SIGNING — Permanent

| Type | Size | Quantity |
|---|---|---|
| R6-2R | 24"x30" | 1 |
| M3-3 | 36"x18" | 1 |
| M3-4 | 36"x18" | 1 |
| M1-1 | 45"x36" | 2 |
| M1-5 | 45"x36" | 2 |
| M3-1 | 36"x18" | 1 |
| M3-2 | 36"x18" | 1 |
| W13-2 | 48"x60" | 1 |
| R2-4A | 48"x96" | 1 |

### Signs and Supports Legend

| | |
|---|---|
| Single U-Channel Post Sign Faces One Direction | Pipe Mount Sign Faces One Direction |
| Single U-Channel Post Sign Faces Two Directions | Pipe Mount Sign Faces Two Directions |
| Top View Single U-Channel Posts | Top View Pipe Mount |

Substitution of pipe mounts with doubled u-channel posts is not allowed. △1




| DATE | REVISED NOTE | BY |
|---|---|---|
| 6-17-16 | REVISION | RTM |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**Permanent Signing Plan**

**STA. 736+00 – STA. 800+00**

**Project No.: STP-0029-02(018)**
**County: Desoto & Marshall**

FILENAME: PSP-6.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

WORKING NUMBER PSP-6
SHEET NUMBER 1006

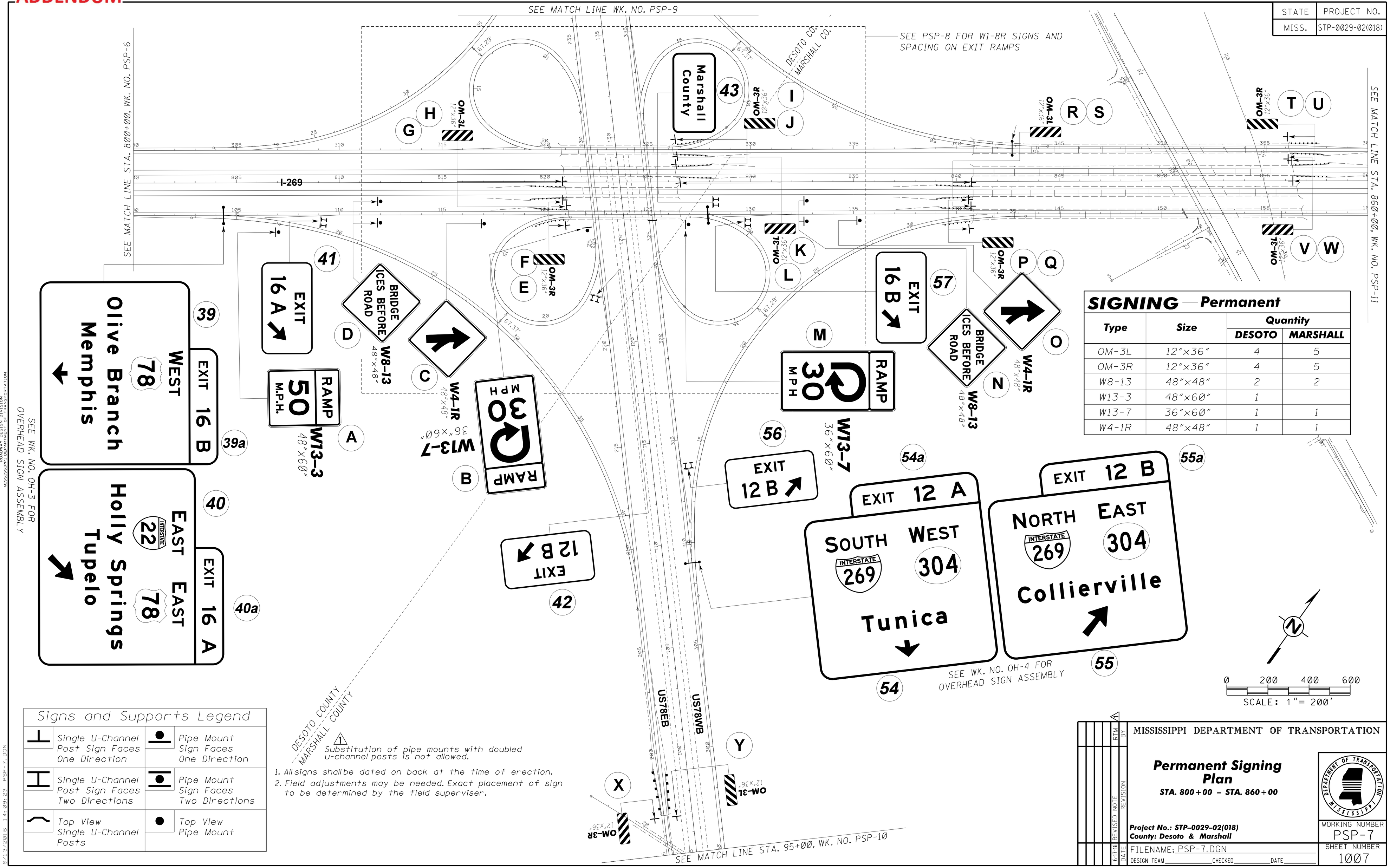
PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

6/13/2016 14:08:29 PSP-6.DGN

ADDENDUM

FMS CON:102556/306000 & 307000

| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(018) |




## SIGNING — Permanent

| Type | Size | Quantity | |
|---|---|---|---|
| | | DESOTO | MARSHALL |
| OM-3L | 12"x36" | 4 | 5 |
| OM-3R | 12"x36" | 4 | 5 |
| W8-13 | 48"x48" | 2 | 2 |
| W13-3 | 48"x60" | 1 | |
| W13-7 | 36"x60" | 1 | 1 |
| W4-1R | 48"x48" | 1 | 1 |

## Signs and Supports Legend

| | |
|---|---|
| Single U-Channel Post Sign Faces One Direction | Pipe Mount Sign Faces One Direction |
| Single U-Channel Post Sign Faces Two Directions | Pipe Mount Sign Faces Two Directions |
| Top View Single U-Channel Posts | Top View Pipe Mount |

1. Substitution of pipe mounts with doubled u-channel posts is not allowed.

1. All signs shall be dated on back at the time of erection.
2. Field adjustments may be needed. Exact placement of sign to be determined by the field superviser.

| DATE | REVISED NOTE | REVISION | BY |
|---|---|---|---|
| 6-17-16 | REVISED NOTE | | RTM |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**Permanent Signing Plan**

**STA. 800+00 – STA. 860+00**

**Project No.: STP-0029-02(018)**
**County: Desoto & Marshall**

WORKING NUMBER PSP-7

SHEET NUMBER 1007

FILENAME: PSP-7.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

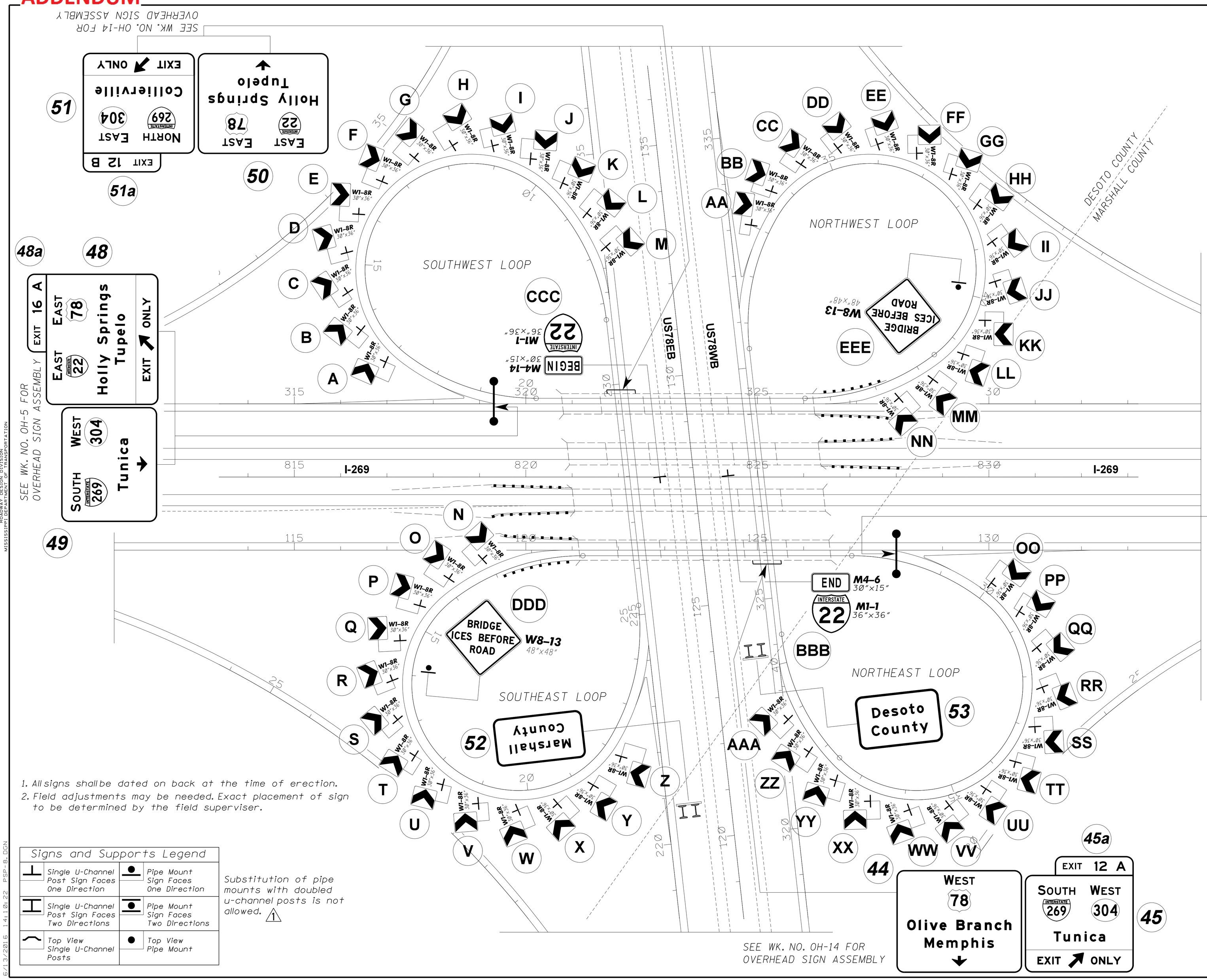
PLAN ROADWAY DESIGN DIVISION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

6/13/2016 14:09:23 PSP-7.DGN

**ADDENDUM**

FMS CON:102556/306000 & 307000

| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(018) |




## SIGNING — Permanent

| Type | Size | DESOTO Quantity | MARSHALL Quantity |
|---|---|---|---|
| W1-8R | 30"x36" | 40 | 13 |
| W8-13 | 48"x48" | 2 | |
| M1-1 | 36"x36" | 2 | |
| M4-14 | 30"x15" | 1 | |
| M4-6 | 30"x15" | 1 | |

NOTE:
1. TYPICAL SPACING OF CHEVRON ALIGNMENT SIGNS ON HORIZONTAL CURVES
   A. ADVISORY SPEED: 20 TO 30 MPH
   B. CURVE RADIUS: 200 TO 400 FEET
   C. SIGN SPACING: 80 FEET

1. All signs shall be dated on back at the time of erection.
2. Field adjustments may be needed. Exact placement of sign to be determined by the field superviser.

| Signs and Supports Legend | |
|---|---|
| Single U-Channel Post Sign Faces One Direction | Pipe Mount Sign Faces One Direction |
| Single U-Channel Post Sign Faces Two Directions | Pipe Mount Sign Faces Two Directions |
| Top View Single U-Channel Posts | Top View Pipe Mount |

Substitution of pipe mounts with doubled u-channel posts is not allowed. 1

| DATE | REVISED NOTE REVISION | BY |
|---|---|---|
| 6-17-16 | | RTM |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**Permanent Signing Plan**

*Interchange Loops*

**Project No.: STP-0029-02(018)**
**County: Desoto & Marshall**

WORKING NUMBER PSP-8

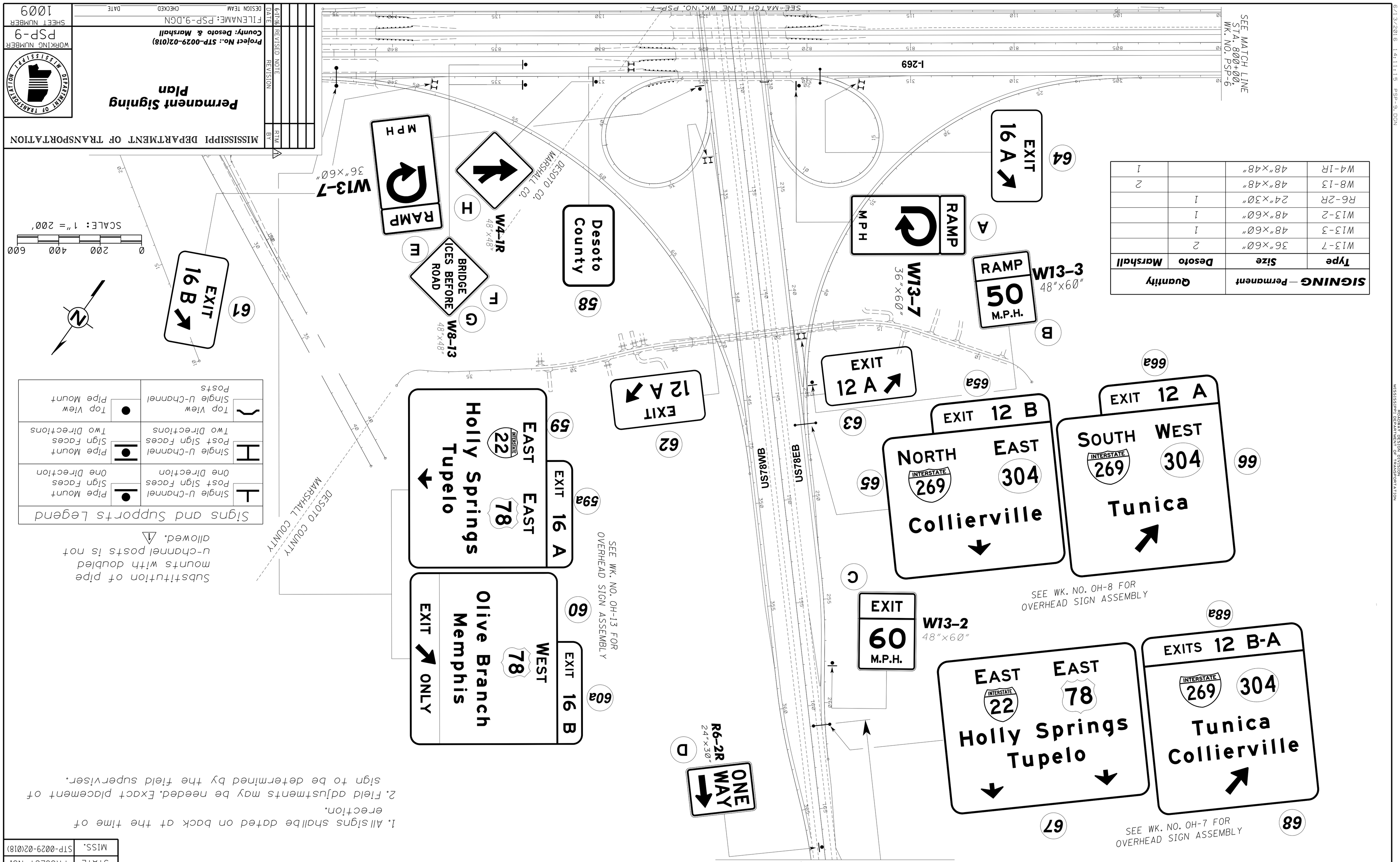
SHEET NUMBER 1008

FILENAME: PSP-8.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

6/13/2016 1:41:10:22 PSP-8.DGN




| SIGNING — Permanent | | | Quantity | |
|---|---|---|---|---|
| Type | Size | | Desoto | Marshall |
| W13-7 | 36"x60" | | 2 | |
| W13-3 | 48"x60" | | 1 | |
| W13-2 | 48"x60" | | 1 | |
| R6-2R | 24"x30" | | 1 | |
| W8-13 | 48"x48" | | 2 | |
| W4-1R | 48"x48" | | | 1 |

Substitution of pipe mounts with doubled u-channel posts is not allowed. △1

| Signs and Supports Legend | |
|---|---|
| Single U-Channel Post Sign Faces One Direction | Pipe Mount Sign Faces One Direction |
| Single U-Channel Post Sign Faces Two Directions | Pipe Mount Sign Faces Two Directions |
| Top View Single U-Channel Posts | Top View Pipe Mount |

1. All signs shall be dated on back at the time of erection.
2. Field adjustments may be needed. Exact placement of sign to be determined by the field supervisor.

| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(018) |

FMS CON:102556/306000 & 307000

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

Permanent Signing Plan

Project No.: STP-0029-02(018)
County: Desoto & Marshall

| BY | REVISION | DATE |
|---|---|---|
| RTM | REVISED NOTE | 6-17-16 |

FILENAME: PSP-9.DGN

DESIGN TEAM CHECKED DATE

WORKING NUMBER PSP-9

SHEET NUMBER 1009

ADDENDUM

PLAN ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

6/13/2016 1:41:11:5 PSP-9.DGN

ADDENDUM

FMS CON:102556/306000 & 307000

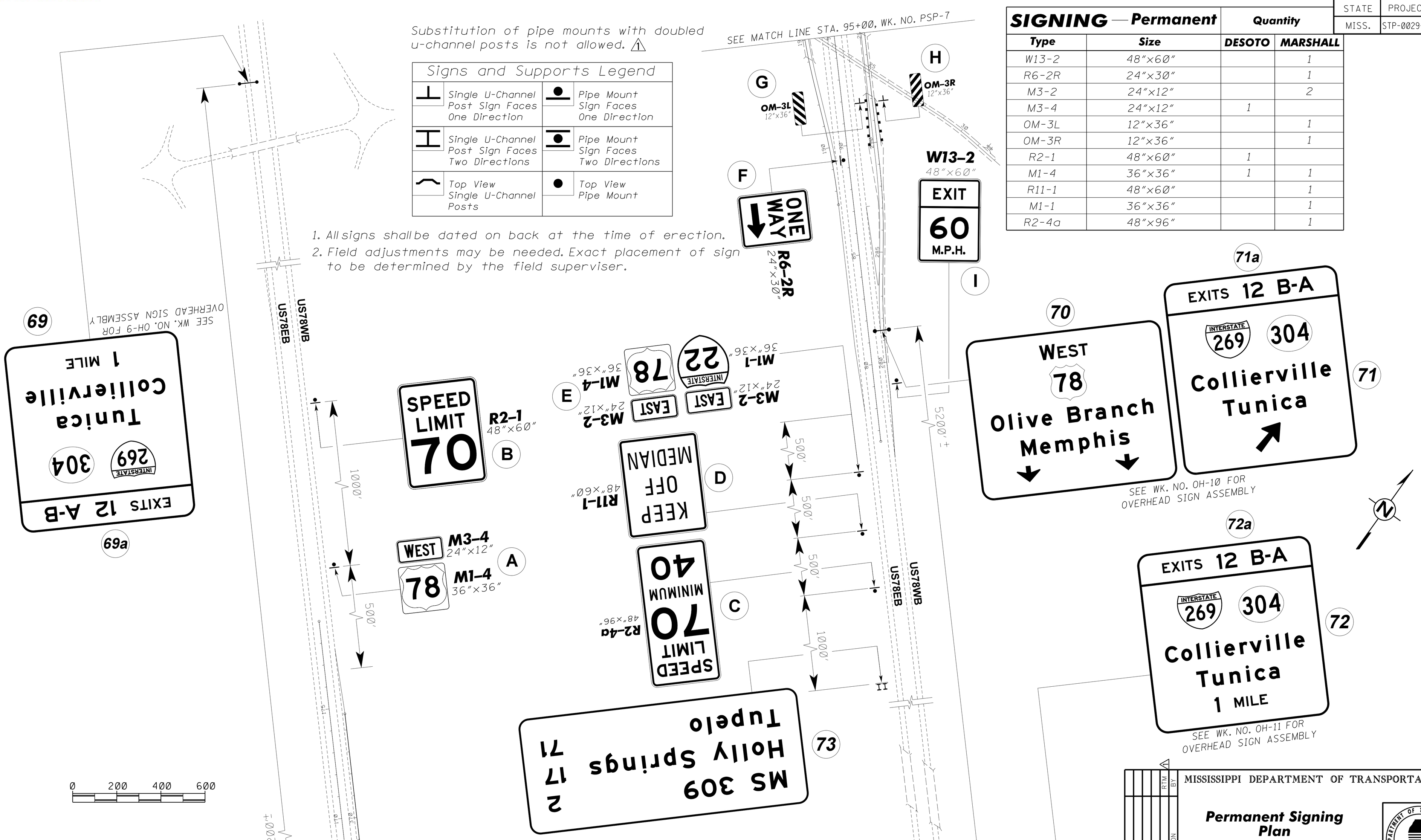
| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(018) |

Substitution of pipe mounts with doubled u-channel posts is not allowed. 1

| Signs and Supports Legend | |
|---|---|
| Single U-Channel Post Sign Faces One Direction | Pipe Mount Sign Faces One Direction |
| Single U-Channel Post Sign Faces Two Directions | Pipe Mount Sign Faces Two Directions |
| Top View Single U-Channel Posts | Top View Pipe Mount |

1. All signs shall be dated on back at the time of erection.
2. Field adjustments may be needed. Exact placement of sign to be determined by the field superviser.

| SIGNING — Permanent | | Quantity | |
|---|---|---|---|
| Type | Size | DESOTO | MARSHALL |
| W13-2 | 48"x60" | | 1 |
| R6-2R | 24"x30" | | 1 |
| M3-2 | 24"x12" | | 2 |
| M3-4 | 24"x12" | 1 | |
| OM-3L | 12"x36" | | 1 |
| OM-3R | 12"x36" | | 1 |
| R2-1 | 48"x60" | 1 | |
| M1-4 | 36"x36" | 1 | 1 |
| R11-1 | 48"x60" | | 1 |
| M1-1 | 36"x36" | | 1 |
| R2-4a | 48"x96" | | 1 |




| DATE | REVISED NOTE | BY |
|---|---|---|
| 6-17-16 | REVISION | RTM |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**Permanent Signing Plan**

**Project No.: STP-0029-02(018)**
**County: Desoto & Marshall**

FILENAME: PSP-10.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

WORKING NUMBER PSP-10

SHEET NUMBER 1010

PLAN
ROADWAY PLANS DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

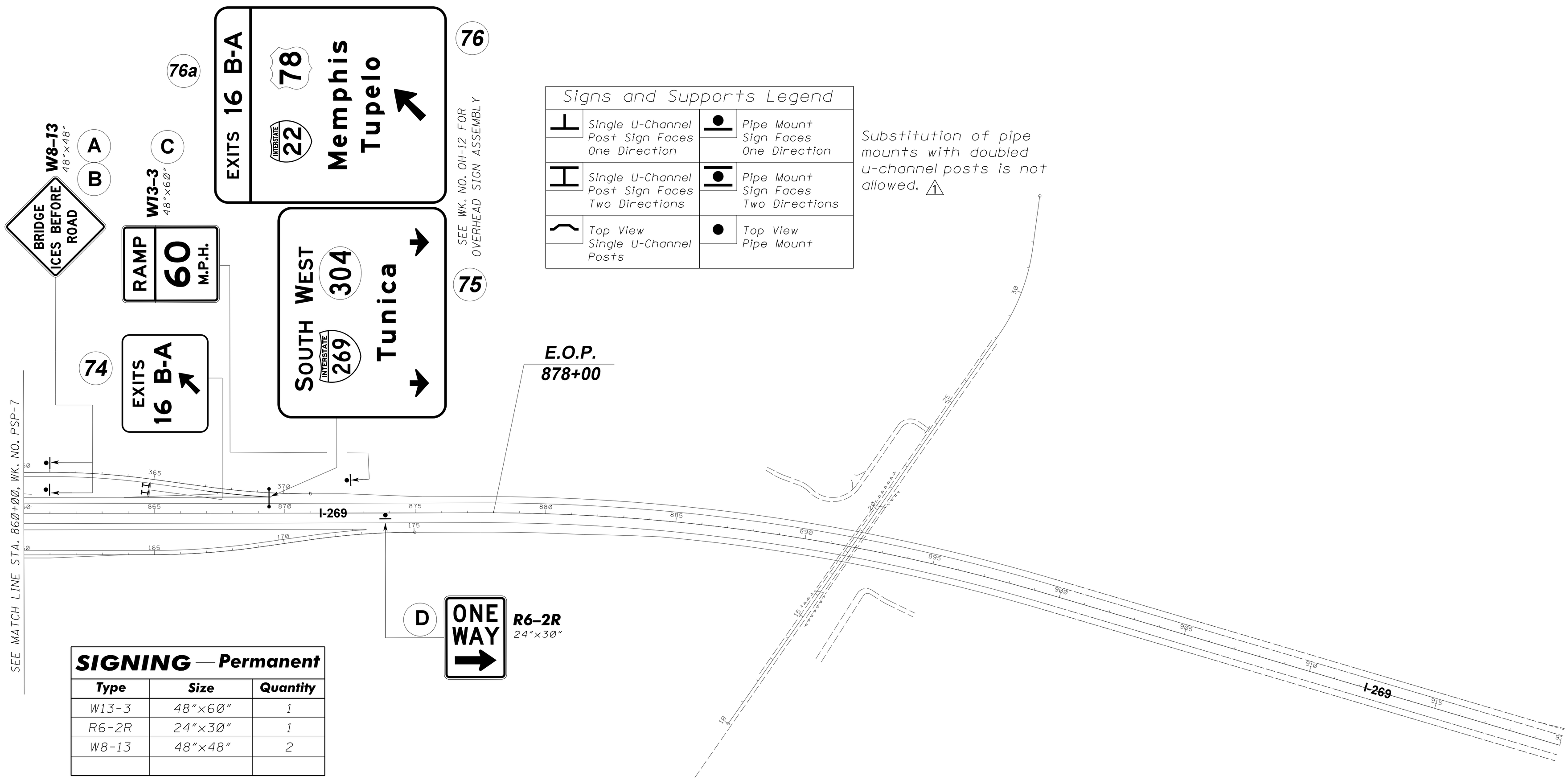
6/13/2016 14:12:05 PSP-10.DGN

ADDENDUM

FMS CON:102556/306000 & 307000

| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(018) |

1. All signs shall be dated on back at the time of erection.
2. Field adjustments may be needed. Exact placement of sign to be determined by the field superviser.




| Signs and Supports Legend | |
|---|---|
| Single U-Channel Post Sign Faces One Direction | Pipe Mount Sign Faces One Direction |
| Single U-Channel Post Sign Faces Two Directions | Pipe Mount Sign Faces Two Directions |
| Top View Single U-Channel Posts | Top View Pipe Mount |

Substitution of pipe mounts with doubled u-channel posts is not allowed. ⚠1

| SIGNING — Permanent | | |
|---|---|---|
| Type | Size | Quantity |
| W13-3 | 48"×60" | 1 |
| R6-2R | 24"×30" | 1 |
| W8-13 | 48"×48" | 2 |
| | | |

N

0 200 400 600

SCALE: 1"= 200'

| | | | |
|---|---|---|---|
| 6-17-16 | REVISED NOTE | RTM | BY |
| DATE | REVISION | | |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**Permanent Signing Plan**

**STA. 860+00 – E.O.P.**

**Project No.: STP-0029-02(018)**
**County: Desoto & Marshall**

FILENAME: PSP-11.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

WORKING NUMBER PSP-11

SHEET NUMBER 1011

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

6/13/2016 1:4:12:58 PSP-11.DGN

# ADDENDUM

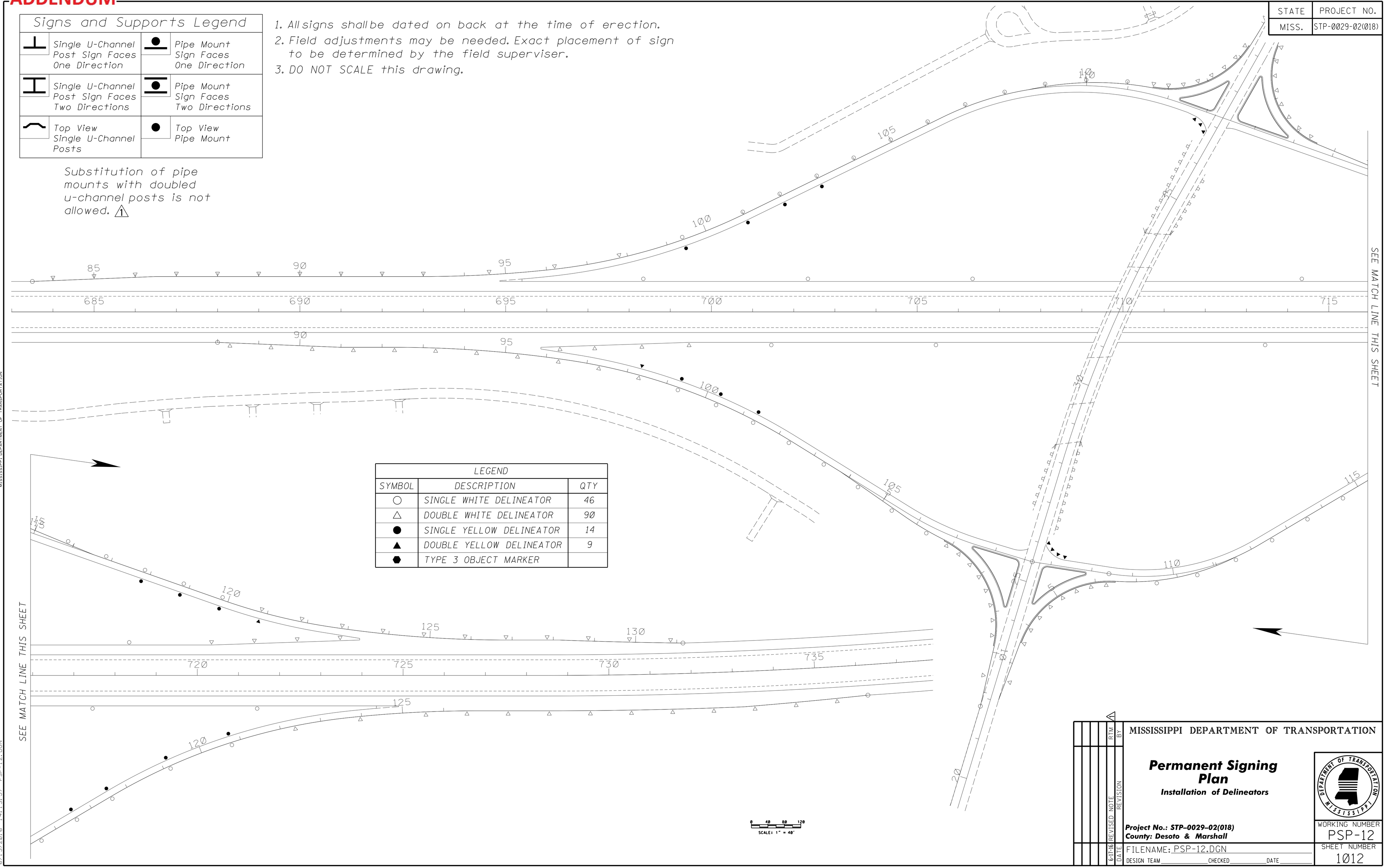
FMS CON:102556/306000 & 307000

| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(018) |

| Signs and Supports Legend | |
|---|---|
| Single U-Channel Post Sign Faces One Direction | Pipe Mount Sign Faces One Direction |
| Single U-Channel Post Sign Faces Two Directions | Pipe Mount Sign Faces Two Directions |
| Top View Single U-Channel Posts | Top View Pipe Mount |

Substitution of pipe mounts with doubled u-channel posts is not allowed. 1

1. All signs shall be dated on back at the time of erection.
2. Field adjustments may be needed. Exact placement of sign to be determined by the field superviser.
3. DO NOT SCALE this drawing.




| LEGEND | | |
|---|---|---|
| SYMBOL | DESCRIPTION | QTY |
| ○ | SINGLE WHITE DELINEATOR | 46 |
| △ | DOUBLE WHITE DELINEATOR | 90 |
| ● | SINGLE YELLOW DELINEATOR | 14 |
| ▲ | DOUBLE YELLOW DELINEATOR | 9 |
| ⬢ | TYPE 3 OBJECT MARKER | |

| DATE | REVISED NOTE REVISION | BY |
|---|---|---|
| 6-17-16 | | RTM |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**Permanent Signing Plan**

***Installation of Delineators***

***Project No.: STP-0029-02(018)***
***County: Desoto & Marshall***

WORKING NUMBER PSP-12

FILENAME: PSP-12.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

SHEET NUMBER 1012

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

6/13/2016 14:13:57 PSP-12.DGN

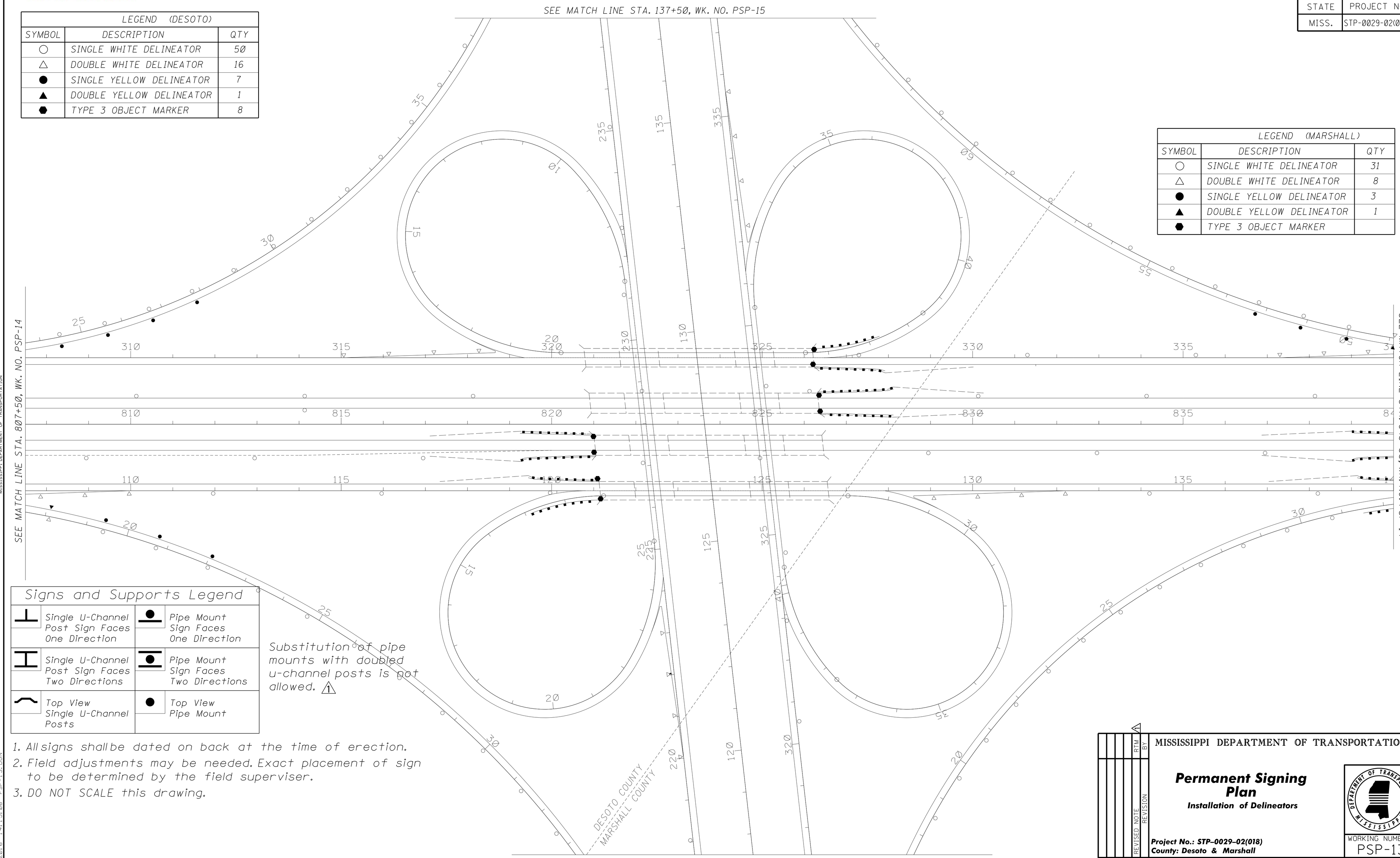
# ADDENDUM

FMS CON:102556/306000 & 307000

| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(018) |

| LEGEND (DESOTO) | | |
|---|---|---|
| SYMBOL | DESCRIPTION | QTY |
| ○ | SINGLE WHITE DELINEATOR | 50 |
| △ | DOUBLE WHITE DELINEATOR | 16 |
| ● | SINGLE YELLOW DELINEATOR | 7 |
| ▲ | DOUBLE YELLOW DELINEATOR | 1 |
| ⬢ | TYPE 3 OBJECT MARKER | 8 |

| LEGEND (MARSHALL) | | |
|---|---|---|
| SYMBOL | DESCRIPTION | QTY |
| ○ | SINGLE WHITE DELINEATOR | 31 |
| △ | DOUBLE WHITE DELINEATOR | 8 |
| ● | SINGLE YELLOW DELINEATOR | 3 |
| ▲ | DOUBLE YELLOW DELINEATOR | 1 |
| ⬢ | TYPE 3 OBJECT MARKER | |




| Signs and Supports Legend | |
|---|---|
| Single U-Channel Post Sign Faces One Direction | Pipe Mount Sign Faces One Direction |
| Single U-Channel Post Sign Faces Two Directions | Pipe Mount Sign Faces Two Directions |
| Top View Single U-Channel Posts | Top View Pipe Mount |

Substitution of pipe mounts with doubled u-channel posts is not allowed. △1

1. All signs shall be dated on back at the time of erection.
2. Field adjustments may be needed. Exact placement of sign to be determined by the field superviser.
3. DO NOT SCALE this drawing.

| DATE | REVISED NOTE REVISION | BY |
|---|---|---|
| 6-17-16 | | RTM |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**Permanent Signing Plan**

***Installation of Delineators***

***Project No.: STP-0029-02(018)***
***County: Desoto & Marshall***

FILENAME: PSP-13.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

WORKING NUMBER PSP-13

SHEET NUMBER 1013

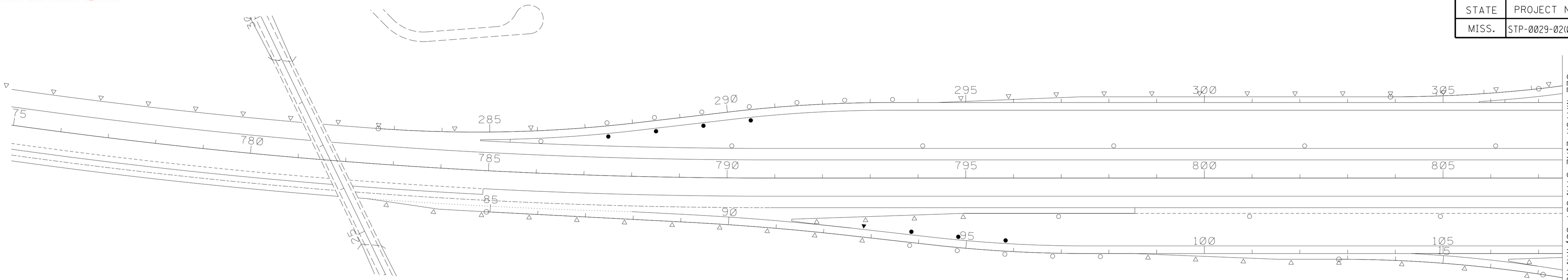
PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

6/13/2016 1:41:15:06 PSP-13.DGN

# ADDENDUM

FMS CON:102556/306000 & 307000

| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(018) |

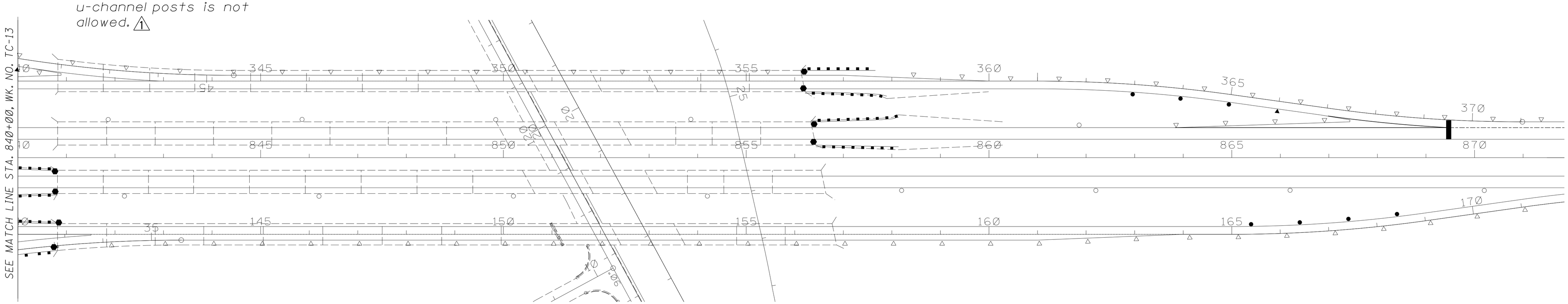



| Signs and Supports Legend | |
|---|---|
| Single U-Channel Post Sign Faces One Direction | Pipe Mount Sign Faces One Direction |
| Single U-Channel Post Sign Faces Two Directions | Pipe Mount Sign Faces Two Directions |
| Top View Single U-Channel Posts | Top View Pipe Mount |

Substitution of pipe mounts with doubled u-channel posts is not allowed. 1

1. All signs shall be dated on back at the time of erection.
2. Field adjustments may be needed. Exact placement of sign to be determined by the field superviser.
3. DO NOT SCALE this drawing.

| LEGEND (DESOTO) | | |
|---|---|---|
| SYMBOL | DESCRIPTION | QTY |
| ○ | SINGLE WHITE DELINEATOR | 21 |
| △ | DOUBLE WHITE DELINEATOR | 48 |
| ● | SINGLE YELLOW DELINEATOR | 7 |
| ▲ | DOUBLE YELLOW DELINEATOR | 1 |
| ⬢ | TYPE 3 OBJECT MARKER | |




| LEGEND (MARSHALL) | | |
|---|---|---|
| SYMBOL | DESCRIPTION | QTY |
| ○ | SINGLE WHITE DELINEATOR | 13 |
| △ | DOUBLE WHITE DELINEATOR | 65 |
| ● | SINGLE YELLOW DELINEATOR | 7 |
| ▲ | DOUBLE YELLOW DELINEATOR | 2 |
| ⬢ | TYPE 3 OBJECT MARKER | 8 |

| DATE | REVISION | BY |
|---|---|---|
| 6-17-16 | REVISED NOTE | RTM |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**Permanent Signing Plan**

***Installation of Delineators***

***Project No.: STP-0029-02(018)***
***County: Desoto & Marshall***

FILENAME: PSP-14.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

WORKING NUMBER PSP-14

SHEET NUMBER 1014

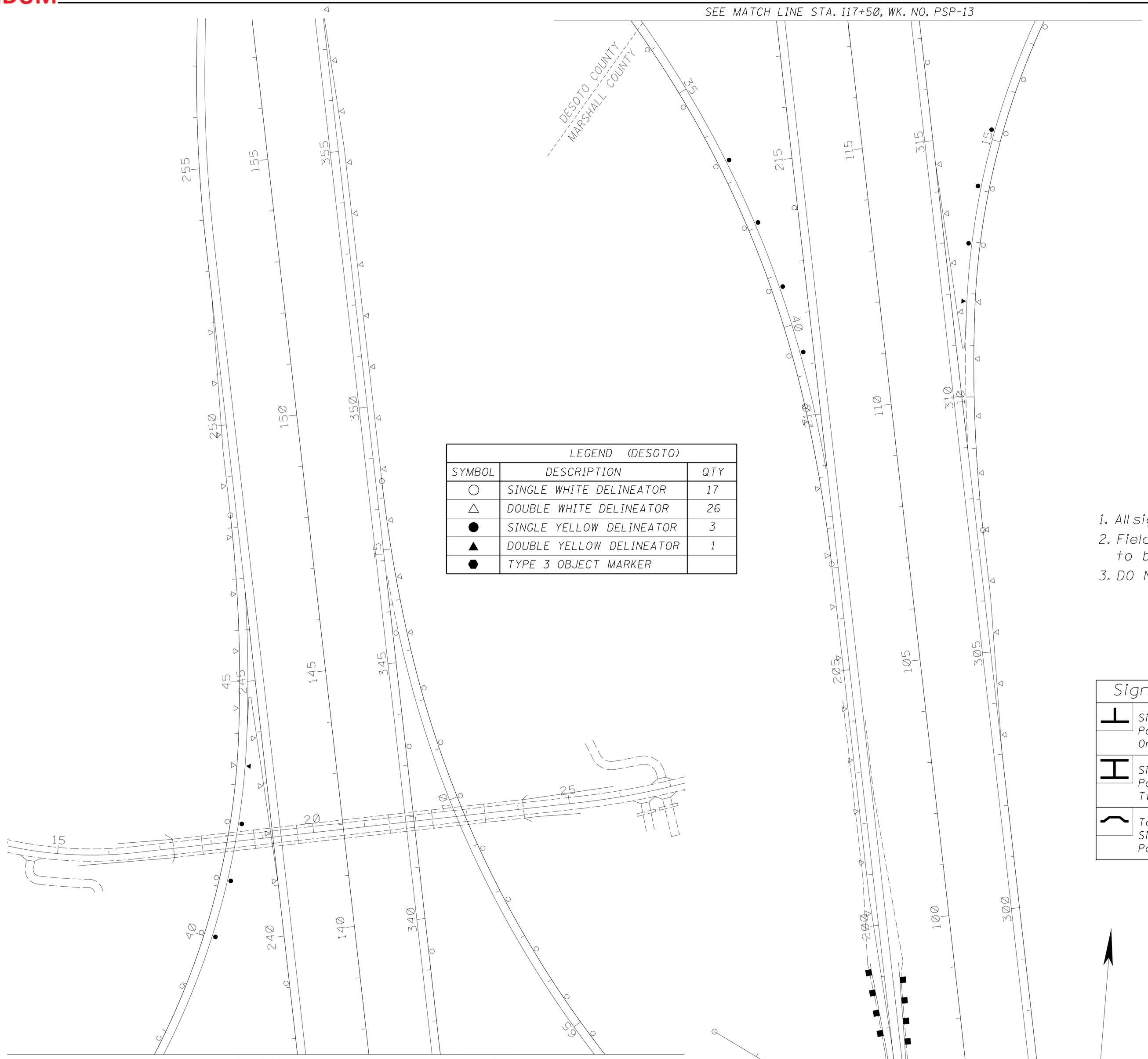
PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

6/13/2016 14:15:55 PSP-14.DGN

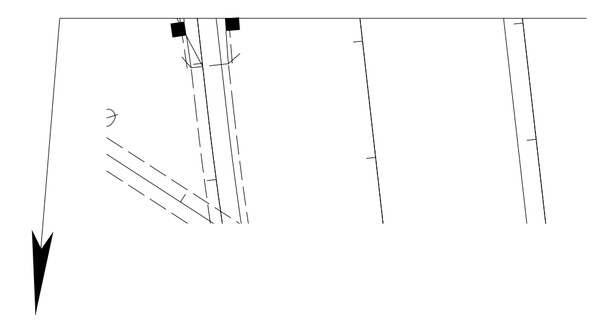
**ADDENDUM**

FMS CON:102556/306000 & 307000

| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(018) |




| LEGEND (DESOTO) | | |
|---|---|---|
| SYMBOL | DESCRIPTION | QTY |
| ○ | SINGLE WHITE DELINEATOR | 17 |
| △ | DOUBLE WHITE DELINEATOR | 26 |
| ● | SINGLE YELLOW DELINEATOR | 3 |
| ▲ | DOUBLE YELLOW DELINEATOR | 1 |
| ⬢ | TYPE 3 OBJECT MARKER | |



| LEGEND (MARSHALL) | | |
|---|---|---|
| SYMBOL | DESCRIPTION | QTY |
| ○ | SINGLE WHITE DELINEATOR | 13 |
| △ | DOUBLE WHITE DELINEATOR | 23 |
| ● | SINGLE YELLOW DELINEATOR | 7 |
| ▲ | DOUBLE YELLOW DELINEATOR | 1 |
| ⬢ | TYPE 3 OBJECT MARKER | |

1. All signs shall be dated on back at the time of erection.
2. Field adjustments may be needed. Exact placement of sign to be determined by the field superviser.
3. DO NOT SCALE this drawing.

| Signs and Supports Legend | | | |
|---|---|---|---|
| ⊥ | Single U-Channel Post Sign Faces One Direction | ● | Pipe Mount Sign Faces One Direction |
| ⊥⊥ | Single U-Channel Post Sign Faces Two Directions | ●● | Pipe Mount Sign Faces Two Directions |
| ⌒ | Top View Single U-Channel Posts | ● | Top View Pipe Mount |

Substitution of pipe mounts with doubled u-channel posts is not allowed. ⚠1

| | | |
|---|---|---|
| 6-17-16 | REVISED NOTE | RTM |
| DATE | REVISION | BY |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**Permanent Signing Plan**

***Installation of Delineators***

***Project No.: STP-0029-02(018)***
***County: Desoto & Marshall***

FILENAME: PSP-15.DGN

DESIGN TEAM_____ CHECKED_____ DATE_____

WORKING NUMBER PSP-15

SHEET NUMBER 1015

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

6/13/2016 14:16:49 PSP-15.DGN

# ADDENDUM

FMS CON: 102556/306000 & 307000

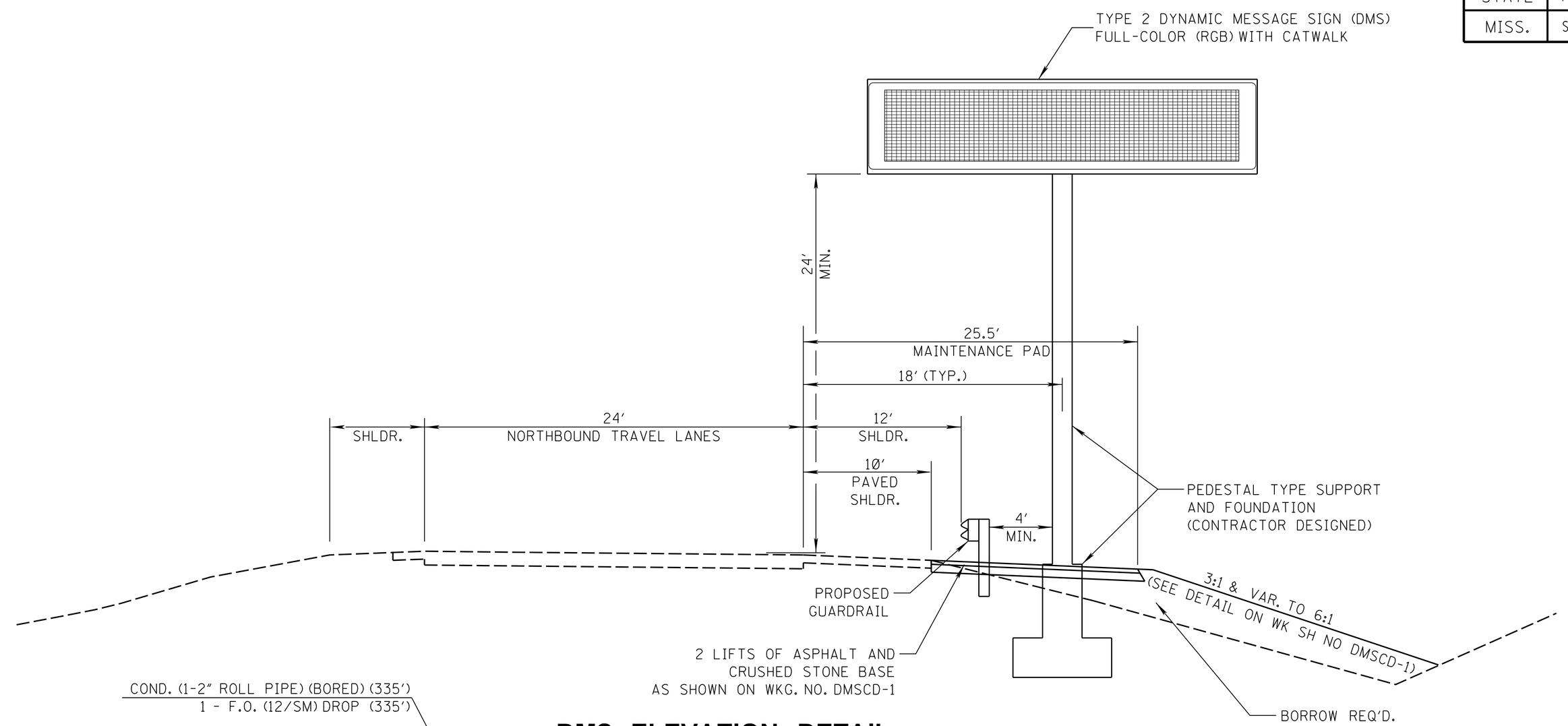
| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(018) |

TYPE 2 DMS STRUCTURE NOTES:

1. SIGN STRUCTURE, SUPPORT AND FOOTING ARE ALL SCHEMATIC AND FOR ILLUSTRATIVE PURPOSES ONLY. ALL ROADWAY DIMENSIONS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED BY THE CONTRACTOR.
2. THE CONTRACTOR SHALL DESIGN THE PEDESTAL SIGN STRUCTURE, INCLUDING CONNECTIONS AND FOUNDATION.
3. MATERIAL USED SHALL BE STEEL, AND MUST BE FULLY COMPATIBLE WITH DMS BODY.
4. THE DESIGN SHALL BE IN ACCORDANCE WITH THE LATEST "AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS", INCLUDING THE MAXIMUM DEAD LOAD DEFLECTION CRITERIA. DESIGN WIND SPEED SHALL BE 90 MPH.
5. THE STRUCTURE SHALL BE DESIGNED, FABRICATED AND CONSTRUCTED EXPRESSLY TO SUPPORT AND BE COMPATIBLE WITH THE TYPE 2 DYNAMIC MESSAGE SIGN DESCRIBED IN THE DESIGN SPECIAL PROVISIONS.
6. (1) THE CONTRACTOR SHALL SUBMIT TWO (2) SETS OF CALCULATIONS AND FOUR (4) SETS OF SHOP DRAWINGS FOR ALL ITEMS ASSOCIATED WITH THE DESIGN, MANUFACTURING, CONSTRUCTION AND INSTALLATION OF THE STRUCTURE, INCLUDING ITS CONNECTIONS AND FOUNDATIONS, TO THE PROJECT ENGINEER. THE FIRST PAGE OF EACH SET OF DESIGN CALCULATIONS AND EACH PAGE OF THE SHOP DRAWINGS SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF MISSISSIPPI.
7. THE CONTRACTOR SHALL DETERMINE THE ACTUAL LENGTH OF THE PEDESTAL SUPPORT COLUMN ON THE BASIS OF THE EXISTING FIELD CONDITIONS. ALL DETAILS AND DIMENSIONS SHOWN ON THIS DRAWING ARE APPROXIMATE AND FOR BIDDING PURPOSES ONLY.
8. MATERIAL CERTIFICATION SHALL BE SUBMITTED TO THE ENGINEER FOR HIS APPROVAL 30 DAYS PRIOR TO THE STRUCTURE ERECTION.
9. (1) SEE SPECIAL PROVISION NO. 907-630 FOR ADDITIONAL STRUCTURAL REQUIREMENTS.
10. DISTANCE MAY BE INCREASED WITH PERMISSION OF ENGINEER IF OTHER FIELD RESTRICTIONS PROHIBIT PLACEMENT AS SHOWN IN THE PLANS.
11. SEE DMSCD-1 FOR ADDITIONAL DETAILS.

TRAFFIC CONTROL NOTE:

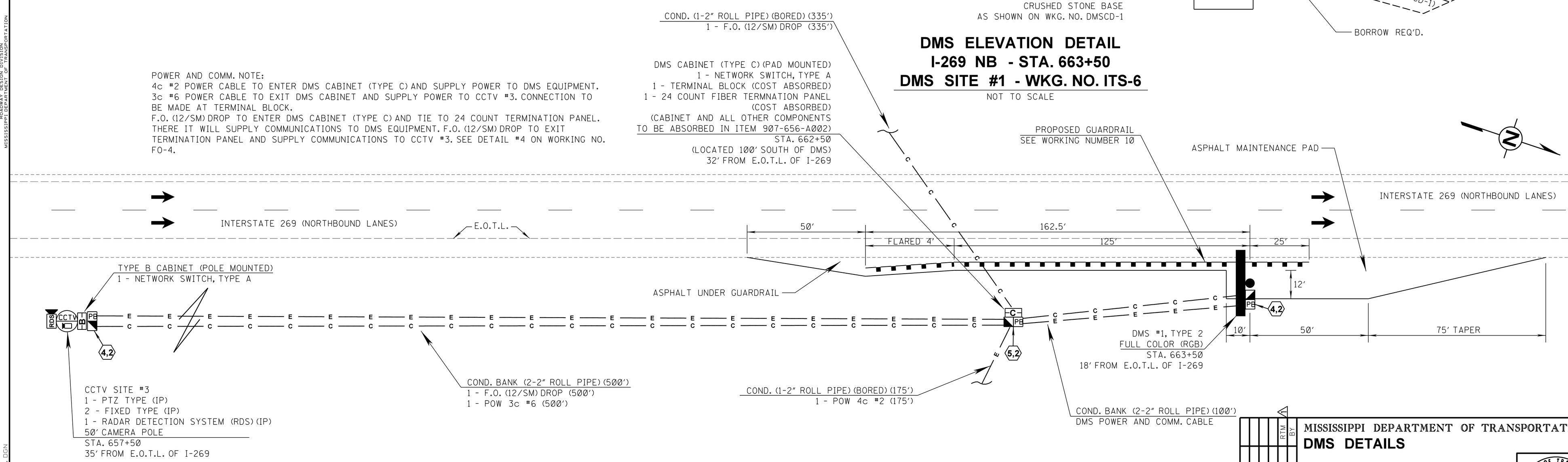
THIS STRUCTURE SHOULD BE CONSTRUCTED PRIOR TO TRAFFIC BEING ALLOWED ON I-269. NO SPECIAL TRAFFIC CONTROL SHOULD BE REQ'D.




## DMS ELEVATION DETAIL
## I-269 NB - STA. 663+50
## DMS SITE #1 - WKG. NO. ITS-6

NOT TO SCALE

POWER AND COMM. NOTE:
4c #2 POWER CABLE TO ENTER DMS CABINET (TYPE C) AND SUPPLY POWER TO DMS EQUIPMENT.
3c #6 POWER CABLE TO EXIT DMS CABINET AND SUPPLY POWER TO CCTV #3. CONNECTION TO BE MADE AT TERMINAL BLOCK.
F.O. (12/SM) DROP TO ENTER DMS CABINET (TYPE C) AND TIE TO 24 COUNT TERMINATION PANEL. THERE IT WILL SUPPLY COMMUNICATIONS TO DMS EQUIPMENT. F.O. (12/SM) DROP TO EXIT TERMINATION PANEL AND SUPPLY COMMUNICATIONS TO CCTV #3. SEE DETAIL #4 ON WORKING NO. FO-4.




## PLAN VIEW DETAIL
## INTERSTATE 269 NORTHBOUND
## DMS SITE #1 AND CCTV SITE #3

SCALE: 1" = 20'

| DATE | REVISED NOTE | REVISION | BY |
|---|---|---|---|
| 6-17-16 | | | RTM |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**DMS DETAILS**

**DMS SITE #1**

**NORTHBOUND**

**INTERSTATE 269**

COUNTY: DESOTO & MARSHALL
PROJ. NO.: STP-0029-02(018)

WORKING NUMBER: DMS-1

SHEET NUMBER: 3022

FILENAME: DMS-1.DGN
DESIGN TEAM NS CHECKED DATE

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

6/16/2016 08:49:31 DMS-1.DGN

# ADDENDUM

FMS CON:102556/306000 & 307000

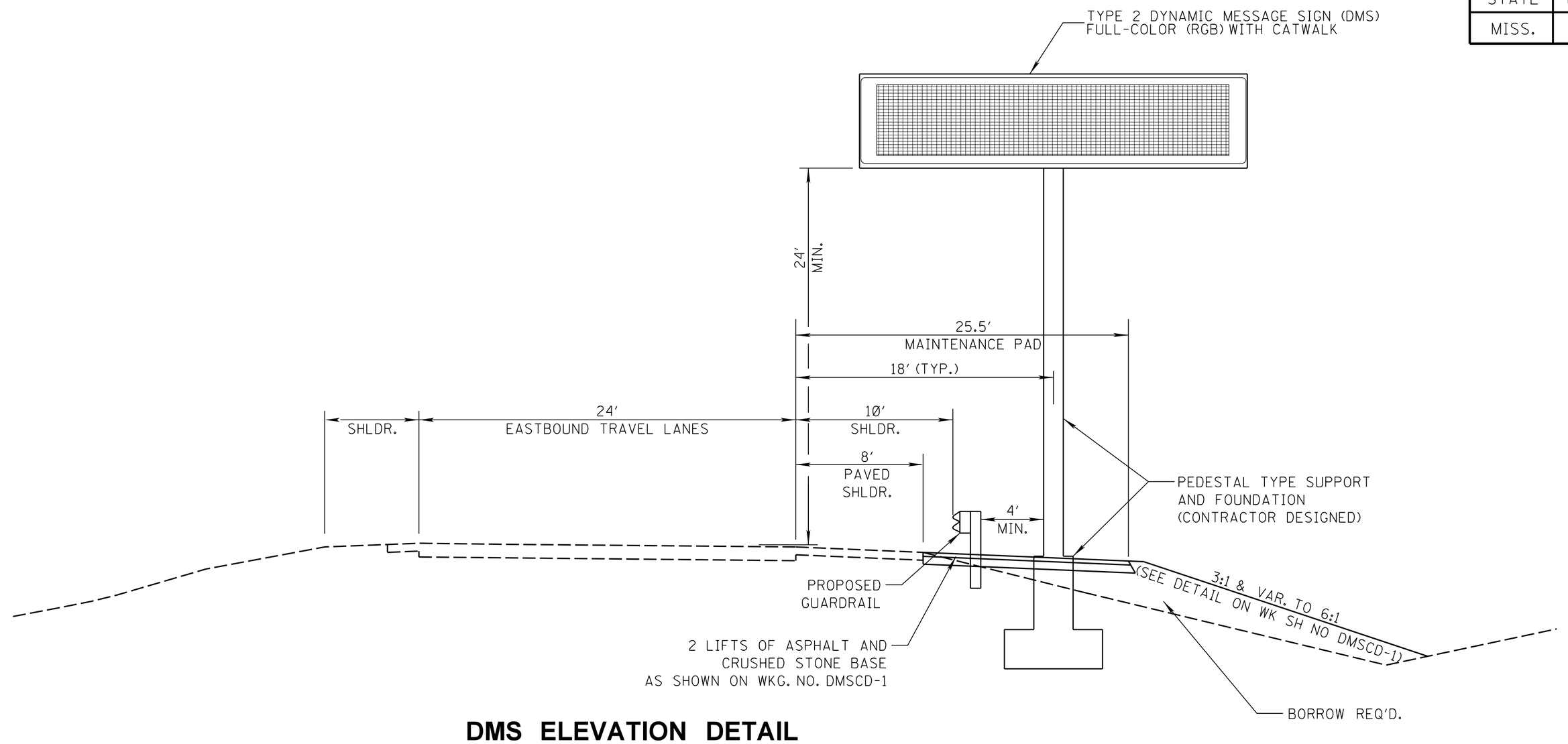
| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(018) |

TYPE 2 DMS STRUCTURE NOTES:

1. SIGN STRUCTURE, SUPPORT AND FOOTING ARE ALL SCHEMATIC AND FOR ILLUSTRATIVE PURPOSES ONLY. ALL ROADWAY DIMENSIONS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED BY THE CONTRACTOR.
2. THE CONTRACTOR SHALL DESIGN THE PEDESTAL SIGN STRUCTURE, INCLUDING CONNECTIONS AND FOUNDATION.
3. MATERIAL USED SHALL BE STEEL, AND MUST BE FULLY COMPATIBLE WITH DMS BODY.
4. THE DESIGN SHALL BE IN ACCORDANCE WITH THE LATEST "AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS", INCLUDING THE MAXIMUM DEAD LOAD DEFLECTION CRITERIA. DESIGN WIND SPEED SHALL BE 90 MPH.
5. THE STRUCTURE SHALL BE DESIGNED, FABRICATED AND CONSTRUCTED EXPRESSLY TO SUPPORT AND BE COMPATIBLE WITH THE TYPE 2 DYNAMIC MESSAGE SIGN DESCRIBED IN THE DESIGN SPECIAL PROVISIONS.
6. THE CONTRACTOR SHALL SUBMIT TWO (2) SETS OF CALCULATIONS AND FOUR (4) SETS OF SHOP DRAWINGS FOR ALL ITEMS ASSOCIATED WITH THE DESIGN, MANUFACTURING, CONSTRUCTION AND INSTALLATION OF THE STRUCTURE, INCLUDING ITS CONNECTIONS AND FOUNDATIONS, TO THE PROJECT ENGINEER. THE FIRST PAGE OF EACH SET OF DESIGN CALCULATIONS AND EACH PAGE OF THE SHOP DRAWINGS SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF ARKANSAS.
7. THE CONTRACTOR SHALL DETERMINE THE ACTUAL LENGTH OF THE PEDESTAL SUPPORT COLUMN ON THE BASIS OF THE EXISTING FIELD CONDITIONS. ALL DETAILS AND DIMENSIONS SHOWN ON THIS DRAWING ARE APPROXIMATE AND FOR BIDDING PURPOSES ONLY.
8. MATERIAL CERTIFICATION SHALL BE SUBMITTED TO THE ENGINEER FOR HIS APPROVAL 30 DAYS PRIOR TO THE STRUCTURE ERECTION.
9. SEE SPECIAL PROVISION NO. 907-630 FOR ADDITIONAL STRUCTURAL REQUIREMENTS.
10. DISTANCE MAY BE INCREASED WITH PERMISSION OF ENGINEER IF OTHER FIELD RESTRICTIONS PROHIBIT PLACEMENT AS SHOWN IN THE PLANS.
11. SEE DMSCD-1 FOR ADDITIONAL DETAILS.

TRAFFIC CONTROL NOTE:

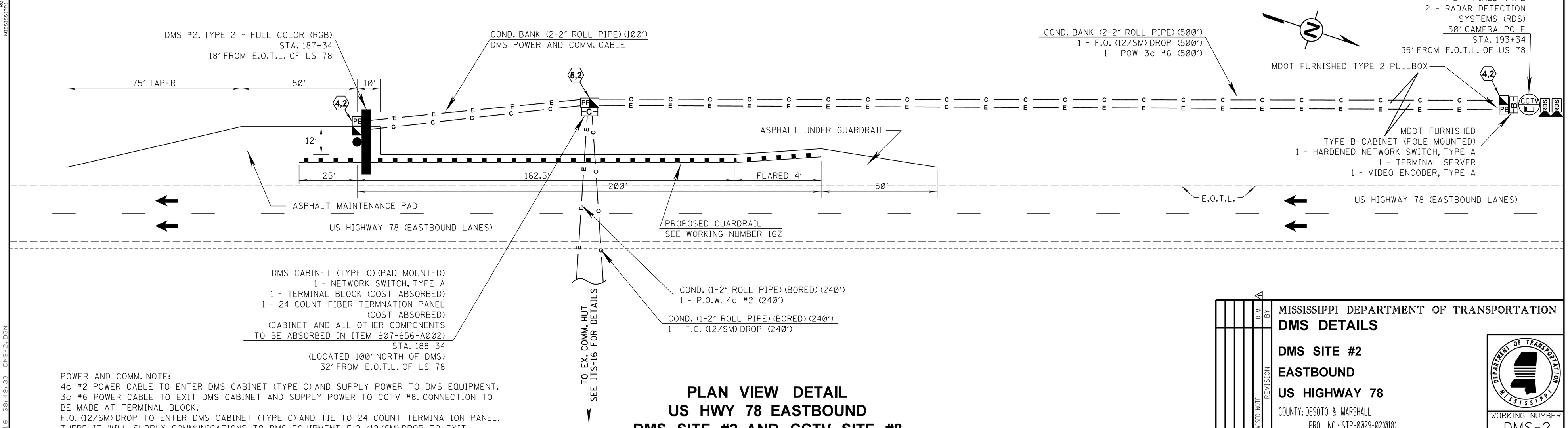
STRUCTURES AT THIS SITE ARE TO BE CONSTRUCTED/INSTALLED WITHIN 30 FEET OF THE EDGE OF TRAVEL LANE, WHICH WILL REQUIRE PROTECTION AT ALL TIMES ONCE IN PLACE. THE CONTRACTOR SHALL EITHER INSTALL THE PERMANENT GUARDRAIL IMMEDIATELY FOLLOWING THE STRUCTURE INSTALLATION/CONSTRUCTION IN ROADWAY CLEAR ZONE, OR PROTECT THESE OBSTRUCTIONS WITH PORTABLE MEDIAN BARRIERS UNTIL THE PERMANENT GUARDRAIL IS INSTALLED. IF THE CONTRACTOR ELECTS TO USE PORTABLE MEDIAN BARRIERS, THE INSTALLATION SHALL BE PER MDOT STANDARD DRAWINGS AND THE CURRENT MUTCD, WITH PAYMENT TO BE MADE UNDER PAY ITEM 618-A001 - MAINTENANCE OF TRAFFIC. PEDESTAL TYPE PORTABLE MEDIAN BARRIERS SHALL BE USED ON ROADWAYS WITH SPEEDS OVER 55 MPH.




## DMS ELEVATION DETAIL
## US HWY 78 EB - STA. 187+34
## DMS SITE #2 - WKG. NO. ITS-16

NOT TO SCALE

CCTV #8 NOTE:
MDOT FURNISHED POLE AND EQUIPMENT. INSTALLATION SHALL BE PAID UNDER PAY ITEM 907-639-PP001. SEE ITS-16 & ITS-16A FOR MORE DETAILS.




POWER AND COMM. NOTE:
4c #2 POWER CABLE TO ENTER DMS CABINET (TYPE C) AND SUPPLY POWER TO DMS EQUIPMENT.
3c #6 POWER CABLE TO EXIT DMS CABINET AND SUPPLY POWER TO CCTV #8. CONNECTION TO BE MADE AT TERMINAL BLOCK.
F.O. (12/SM) DROP TO ENTER DMS CABINET (TYPE C) AND TIE TO 24 COUNT TERMINATION PANEL. THERE IT WILL SUPPLY COMMUNICATIONS TO DMS EQUIPMENT. F.O. (12/SM) DROP TO EXIT TERMINATION PANEL AND SUPPLY COMMUNICATIONS TO CCTV #8. SEE DETAIL #4 ON WORKING NO. FO-4.

## PLAN VIEW DETAIL
## US HWY 78 EASTBOUND
## DMS SITE #2 AND CCTV SITE #8

SCALE: 1" = 20'

| DATE | REVISION | BY |
|---|---|---|
| 6-17-16 | REVISED NOTE | RTM |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
**DMS DETAILS**

**DMS SITE #2**
**EASTBOUND**
**US HIGHWAY 78**

COUNTY: DESOTO & MARSHALL
PROJ. NO.: STP-0029-02(018)

FILENAME: DMS-2.DGN
DESIGN TEAM NS CHECKED DATE

WORKING NUMBER DMS-2
SHEET NUMBER 3023

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

6/16/2016 08:49:33 DMS-2.DGN

# ADDENDUM

FMS CON:102556/306000 & 307000

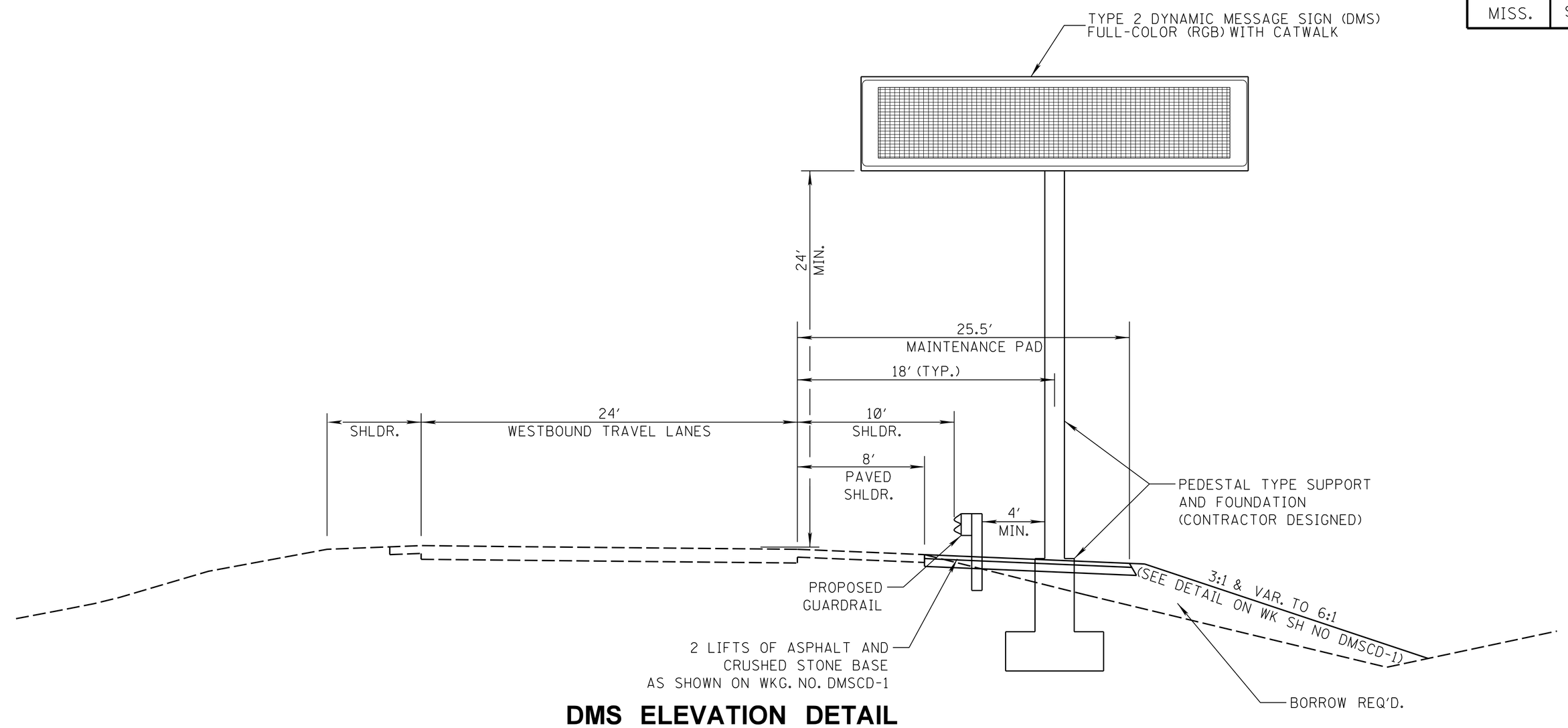
| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(018) |

TYPE 2 DMS STRUCTURE NOTES:

1. SIGN STRUCTURE, SUPPORT AND FOOTING ARE ALL SCHEMATIC AND FOR ILLUSTRATIVE PURPOSES ONLY. ALL ROADWAY DIMENSIONS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED BY THE CONTRACTOR.
2. THE CONTRACTOR SHALL DESIGN THE PEDESTAL SIGN STRUCTURE, INCLUDING CONNECTIONS AND FOUNDATION.
3. MATERIAL USED SHALL BE STEEL, AND MUST BE FULLY COMPATIBLE WITH DMS BODY.
4. THE DESIGN SHALL BE IN ACCORDANCE WITH THE LATEST "AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS", INCLUDING THE MAXIMUM DEAD LOAD DEFLECTION CRITERIA. DESIGN WIND SPEED SHALL BE 90 MPH.
5. THE STRUCTURE SHALL BE DESIGNED, FABRICATED AND CONSTRUCTED EXPRESSLY TO SUPPORT AND BE COMPATIBLE WITH THE TYPE 2 DYNAMIC MESSAGE SIGN DESCRIBED IN THE DESIGN SPECIAL PROVISIONS.
6. THE CONTRACTOR SHALL SUBMIT TWO (2) SETS OF CALCULATIONS AND FOUR (4) SETS OF SHOP DRAWINGS FOR ALL ITEMS ASSOCIATED WITH THE DESIGN, MANUFACTURING, CONSTRUCTION AND INSTALLATION OF THE STRUCTURE, INCLUDING ITS CONNECTIONS AND FOUNDATIONS, TO THE PROJECT ENGINEER. THE FIRST PAGE OF EACH SET OF DESIGN CALCULATIONS AND EACH PAGE OF THE SHOP DRAWINGS SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF ARKANSAS.
7. THE CONTRACTOR SHALL DETERMINE THE ACTUAL LENGTH OF THE PEDESTAL SUPPORT COLUMN ON THE BASIS OF THE EXISTING FIELD CONDITIONS. ALL DETAILS AND DIMENSIONS SHOWN ON THIS DRAWING ARE APPROXIMATE AND FOR BIDDING PURPOSES ONLY.
8. MATERIAL CERTIFICATION SHALL BE SUBMITTED TO THE ENGINEER FOR HIS APPROVAL 30 DAYS PRIOR TO THE STRUCTURE ERECTION.
9. SEE SPECIAL PROVISION NO. 907-630 FOR ADDITIONAL STRUCTURAL REQUIREMENTS.
10. DISTANCE MAY BE INCREASED WITH PERMISSION OF ENGINEER IF OTHER FIELD RESTRICTIONS PROHIBIT PLACEMENT AS SHOWN IN THE PLANS.
11. SEE DMSCD-1 FOR ADDITIONAL DETAILS.

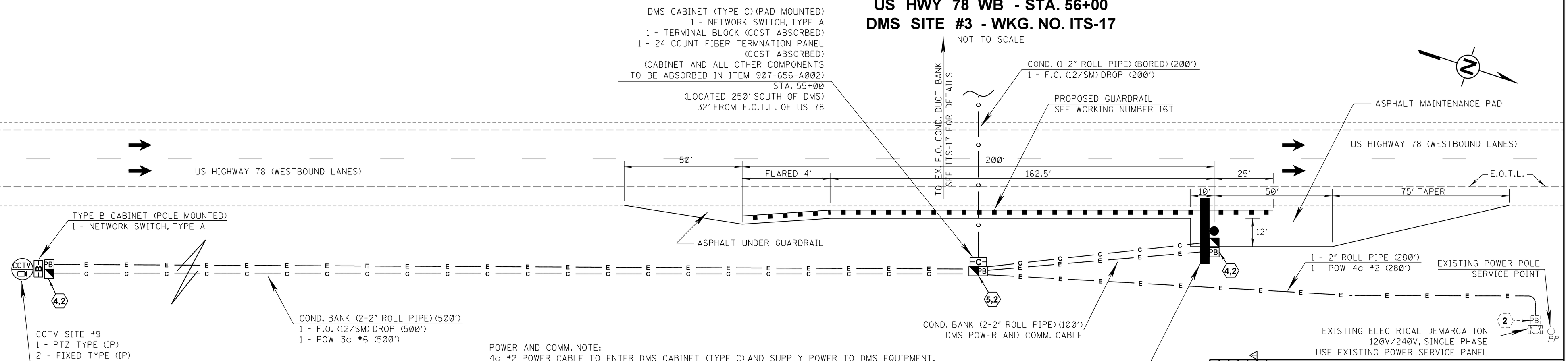
TRAFFIC CONTROL NOTE:

STRUCTURES AT THIS SITE ARE TO BE CONSTRUCTED/INSTALLED WITHIN 30 FEET OF THE EDGE OF TRAVEL LANE, WHICH WILL REQUIRE PROTECTION AT ALL TIMES ONCE IN PLACE. THE CONTRACTOR SHALL EITHER INSTALL THE PERMANENT GUARDRAIL IMMEDIATELY FOLLOWING THE STRUCTURE INSTALLATION/CONSTRUCTION IN ROADWAY CLEAR ZONE, OR PROTECT THESE OBSTRUCTIONS WITH PORTABLE MEDIAN BARRIERS UNTIL THE PERMANENT GUARDRAIL IS INSTALLED. IF THE CONTRACTOR ELECTS TO USE PORTABLE MEDIAN BARRIERS, THE INSTALLATION SHALL BE PER MDOT STANDARD DRAWINGS AND THE CURRENT MUTCD, WITH PAYMENT TO BE MADE UNDER PAY ITEM 618-A001 - MAINTENANCE OF TRAFFIC. PEDESTAL TYPE PORTABLE MEDIAN BARRIERS SHALL BE USED ON ROADWAYS WITH SPEEDS OVER 55 MPH.




## DMS ELEVATION DETAIL
## US HWY 78 WB - STA. 56+00
## DMS SITE #3 - WKG. NO. ITS-17

NOT TO SCALE




POWER AND COMM. NOTE:
4c #2 POWER CABLE TO ENTER DMS CABINET (TYPE C) AND SUPPLY POWER TO DMS EQUIPMENT.
3c #6 POWER CABLE TO EXIT DMS CABINET AND SUPPLY POWER TO CCTV #9. CONNECTION TO BE MADE AT TERMINAL BLOCK.
F.O. (12/SM) DROP TO ENTER DMS CABINET (TYPE C) AND TIE TO 24 COUNT TERMINATION PANEL. THERE IT WILL SUPPLY COMMUNICATIONS TO DMS EQUIPMENT. F.O. (12/SM) DROP TO EXIT TERMINATION PANEL AND SUPPLY COMMUNICATIONS TO CCTV #9. SEE DETAIL #4 ON WORKING NO. FO-4.

## PLAN VIEW DETAIL
## US HWY 78 WESTBOUND
## DMS SITE #3 AND CCTV SITE #9

SCALE: 1" = 20'

| DATE | REVISION | BY |
|---|---|---|
| 6-17-16 | REVISED NOTE | RTM |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**DMS DETAILS**

**DMS SITE #3**

**WESTBOUND**

**US HIGHWAY 78**

COUNTY: DESOTO & MARSHALL

PROJ. NO.: STP-0029-02(018)

WORKING NUMBER DMS-3

FILENAME: DMS-3.DGN

DESIGN TEAM NS CHECKED DATE

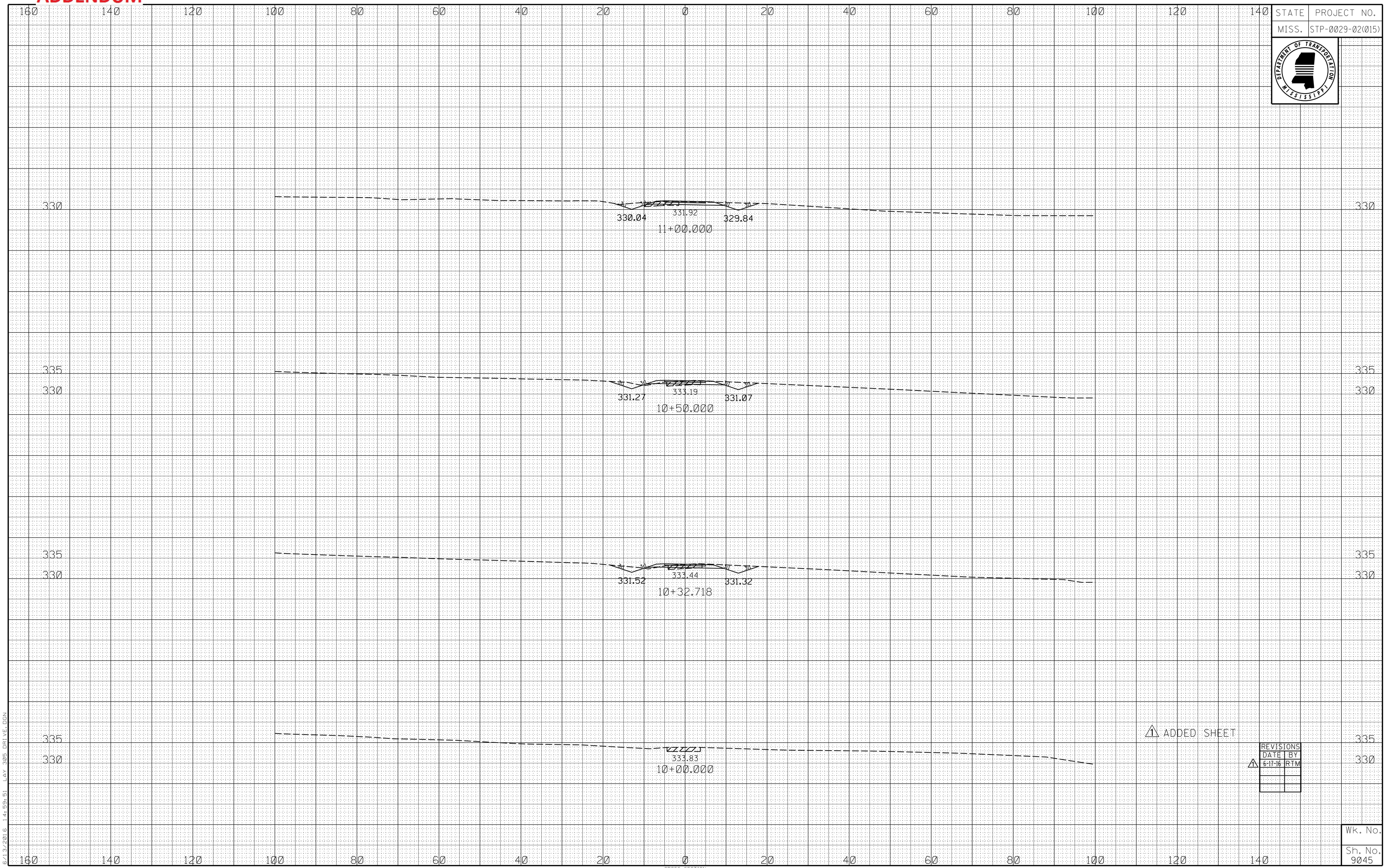
SHEET NUMBER 3024

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

6/16/2016 08:49:34 DMS-3.DGN

ADDENDUM

| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(015) |




1 ADDED SHEET

| REVISIONS | | |
|---|---|---|
| | DATE | BY |
| 1 | 6-17-16 | RTM |

| Wk. No. |
|---|
| Sh. No. 9045 |

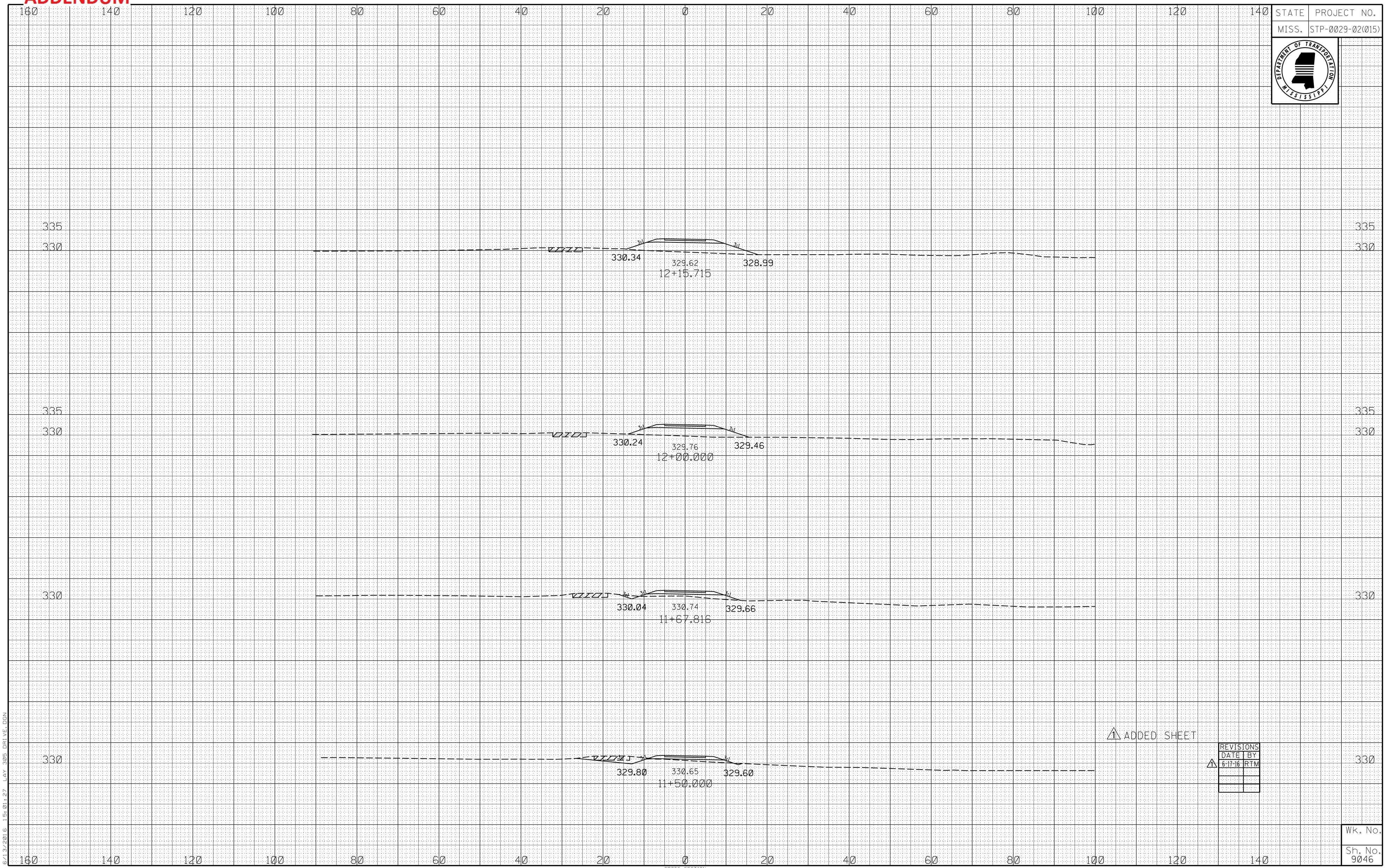
6/13/2016 14:59:51 LAY 305 DRIVE.DGN

CROSS SECTION
ROADWAY DESIGN DIVISION C.A.D.D. SECTION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

305 DRIVE

ADDENDUM

| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(015) |




1 ADDED SHEET

| REVISIONS | | |
|---|---|---|
| | DATE | BY |
| 1 | 6-17-16 | RTM |

| Wk. No. |
|---|
| Sh. No. 9046 |

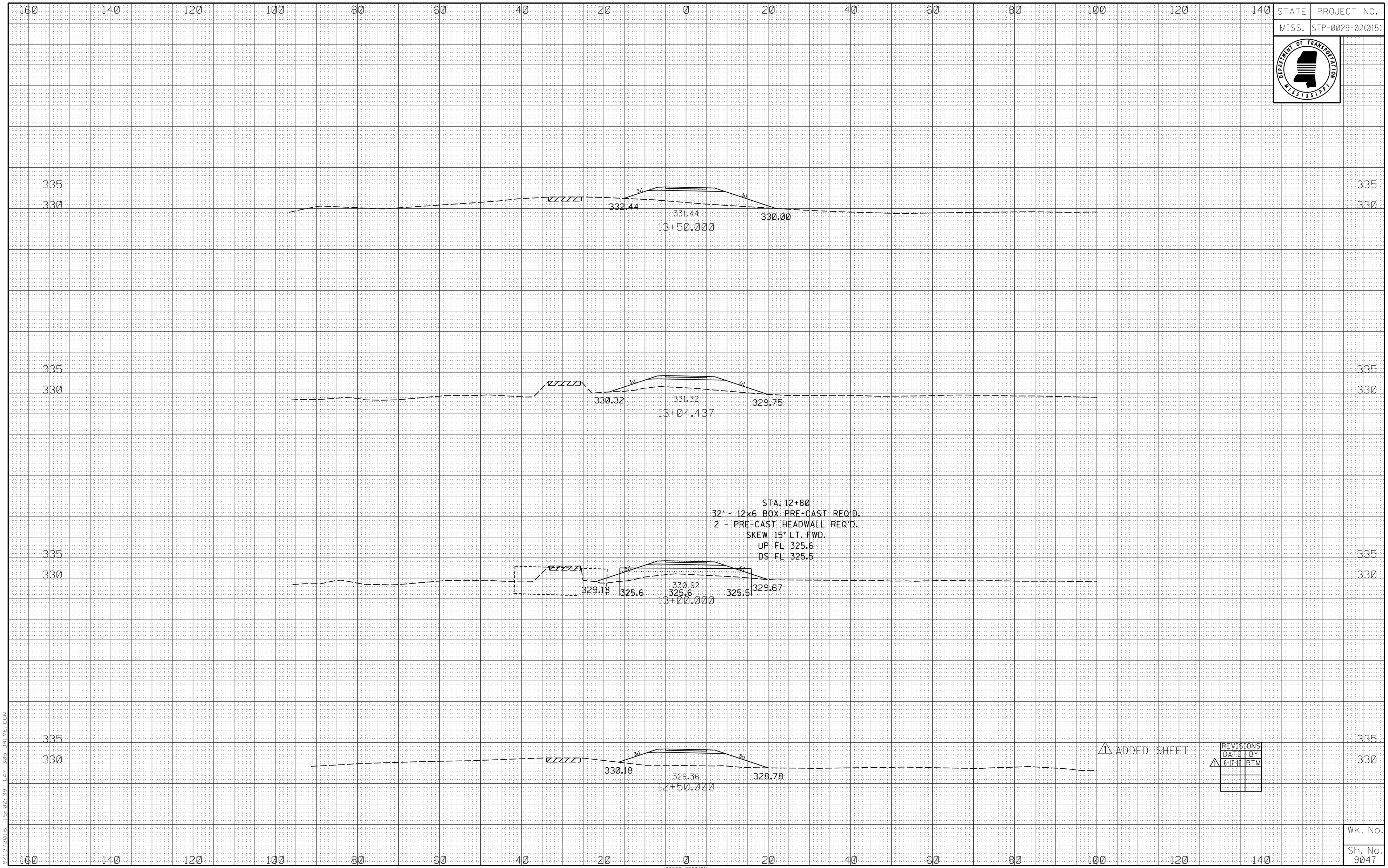
6/13/2016 15:01:27 LAY 305 DRIVE.DGN

CROSS SECTION
ROADWAY DESIGN DIVISION C.A.D.D. SECTION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

305 DRIVE

ADDENDUM

| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(015) |




1 ADDED SHEET

| REVISIONS | | |
|---|---|---|
| | DATE | BY |
| 1 | 6-17-16 | RTM |

| Wk. No. |
|---|
| Sh. No. 9047 |

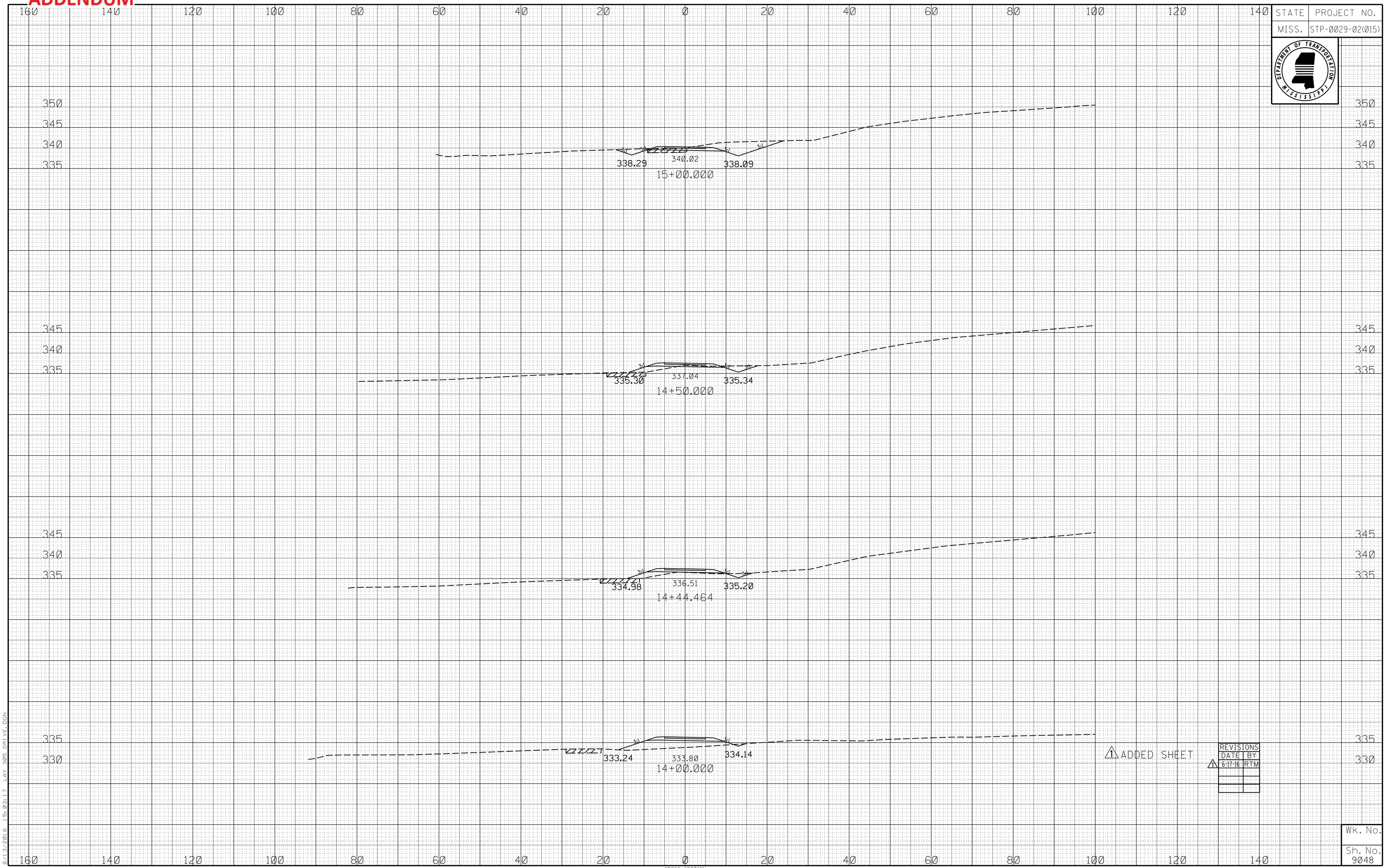
6/13/2016 15:02:39 LAY 305 DRIVE.DGN

CROSS SECTION
ROADWAY DESIGN DIVISION C.A.D.D. SECTION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

305 DRIVE

ADDENDUM

| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(015) |




1 ADDED SHEET

| REVISIONS | | |
|---|---|---|
| | DATE | BY |
| 1 | 6-17-16 | RTM |

| Wk. No. |
|---|
| Sh. No. 9048 |

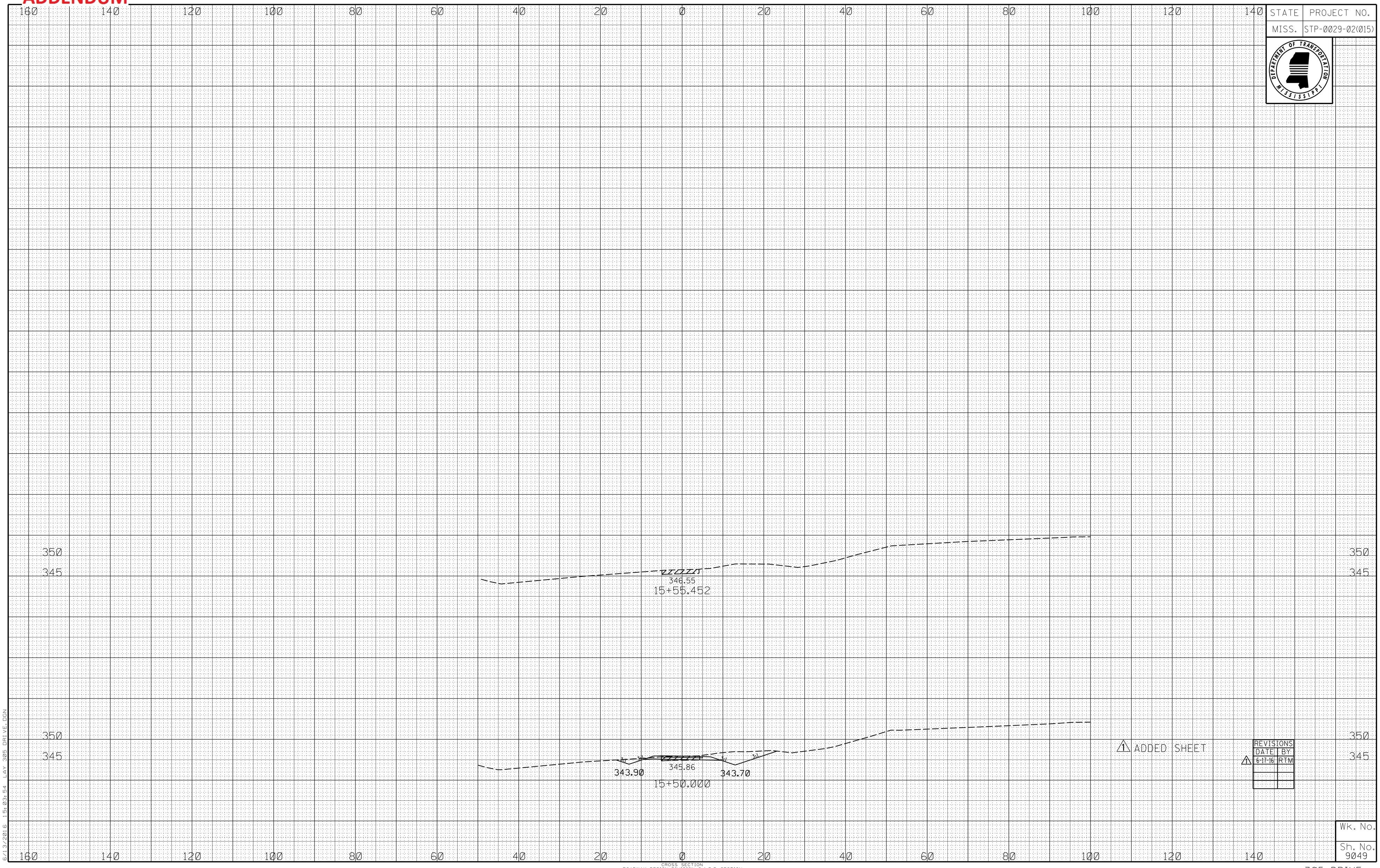
6/13/2016 15:03:17 LAY 305 DRIVE.DGN

CROSS SECTION
ROADWAY DESIGN DIVISION C.A.D.D. SECTION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

305 DRIVE

ADDENDUM

| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(015) |



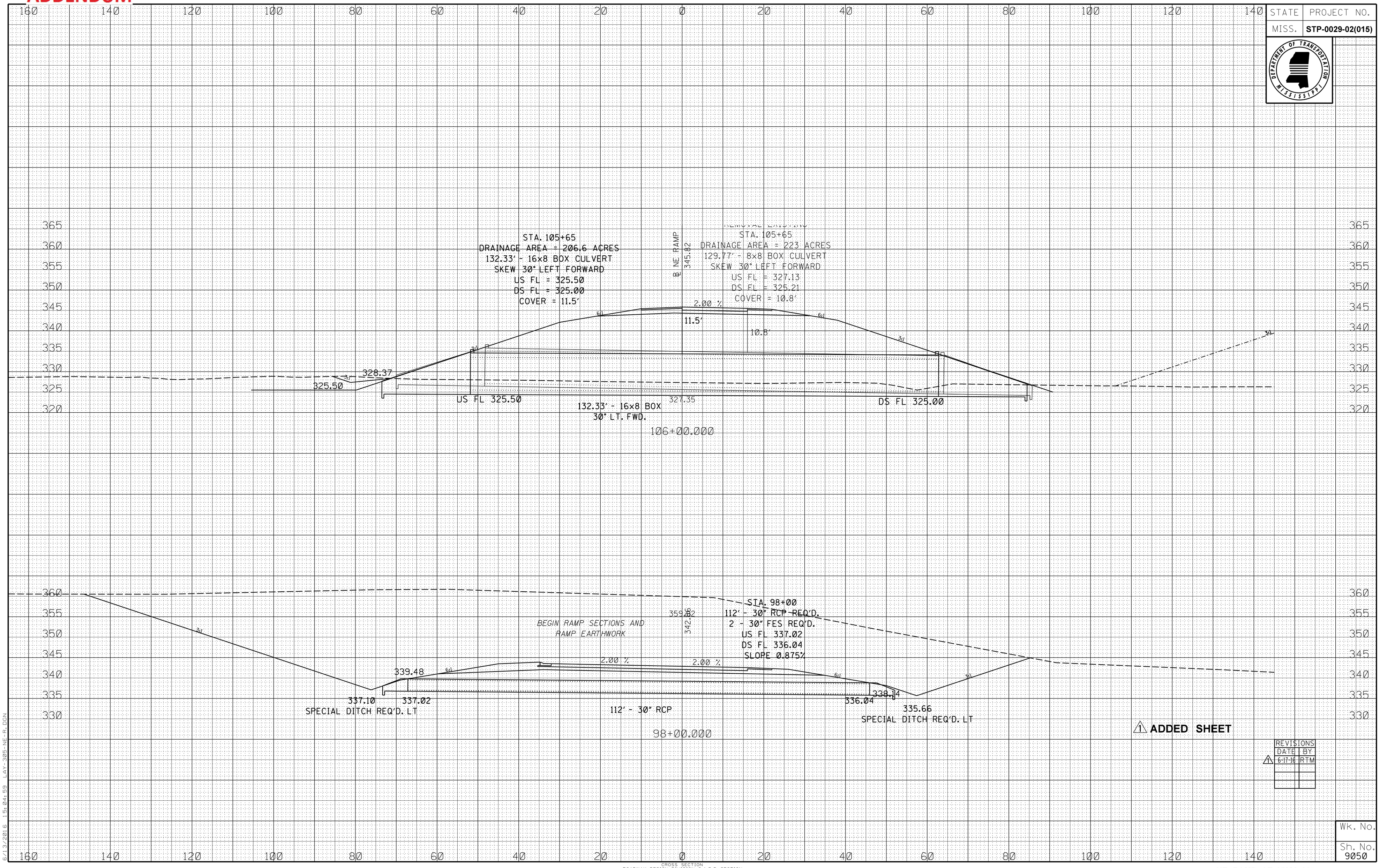

6/13/2016 15:03:54 LAY 305 DRIVE.DGN

CROSS SECTION
ROADWAY DESIGN DIVISION C.A.D.D. SECTION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

305 DRIVE

**ADDENDUM**

| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-02(015) |




1 ADDED SHEET

| REVISIONS | | |
|---|---|---|
| 1 | DATE | BY |
| | 6-17-16 | RTM |

| Wk. No. |
|---|
| Sh. No. 9050 |

CROSS SECTION
ROADWAY DESIGN DIVISION C.A.D.D. SECTION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

NE RAMP AT HWY 305

6/13/2016 15:04:59 LAY 305 NE R.DGN

FMS CON:102556/318000

| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-03(015) |

# ADDENDUM

| DESCRIPTION OF SHEET | REVISION DATE | WKG. NO. | SH. NO. |
|---|---|---|---|
| **ROADWAY (154)** | | | |
| **TITLE SHEET (1)** | | | 1 |
| **DETAILED INDEX & GENERAL NOTES (4)** | | | |
| DETAILED INDEX | | DI-1 | 2 |
| DETAILED INDEX - CONTINUED | | DI-2 | 3 |
| DETAILED INDEX - CONTINUED | | DI-3 | 4 |
| GENERAL NOTES | | GN-1 | 5 |
| **TYPICAL SECTION SHEETS (6)** | | | |
| TYPICAL SECTIONS - MAINLINE I-269 | | TS-1 | 6 |
| TYPICAL SECTIONS - MAINLINE I-269 | | TS-2 | 7 |
| TYPICAL SECTIONS - SR 309 INTERCHANGE RAMPS | | TS-3 | 8 |
| TYPICAL SECTIONS - SE & SW INTERCHANGE RAMPS AT SR 302 | | TS-4 | 9 |
| TYPICAL SECTIONS - MISCELLANEOUS DETAILS | | TS-5 | 10 |
| TYPICAL SECTIONS - EMERGENCY / OFFICIAL USE MEDIAN CROSSOVER | | TS-6 | 10.1 |
| **QUANTITY SHEETS (13)** | | | |
| SUMMARY OF QUANTITIES | | SQS-1 | 11 |
| SUMMARY OF QUANTITIES | | SQS-2 | 12 |
| SUMMARY OF QUANTITIES | | SQS-3 | 13 |
| SUMMARY OF QUANTITIES | | SQS-4 | 14 |
| ESTIMATED QUANTITIES - DRAINAGE STRUCTURES, PAVEMENT MARKINGS & TRAFFIC CONTROL ITEMS | | EQ-1 | 15 |
| ESTIMATED QUANTITIES - DELINEATORS, CURB AND GUTTER & REMOVAL ITEMS | | EQ-2 | 16 |
| ESTIMATED QUANTITIES - BRIDGE END PAVEMENT, MEDIAN BARRIER & GUARDRAIL | | EQ-3 | 17 |
| ESTIMATED QUANTITIES - TRAFFIC CONTROL SIGNS | | EQ-4 | 18 |
| ESTIMATED QUANTITIES - DIRECTIONAL SIGNS | | DS-1 | 19 |
| ESTIMATED QUANTITIES - ITS ITEMS | | EQ-ITS | 20 |
| ESTIMATED QUANTITIES - TRAFFIC SIGNAL ITEMS | | EQ-TSI | 21 |
| ESTIMATED QUANTITIES - STANDARD ROADSIDE SIGNS | | SRS-1 | 22 |
| ESTIMATED QUANTITIES - STANDARD ROADSIDE SIGN ASSEMBLIES | | SRS-2 | 23 |

| DESCRIPTION OF SHEET | REVISION DATE | WKG. NO. | SH. NO. |
|---|---|---|---|
| **PLAN AND PROFILE SHEETS 1:100 (24)** | | | |
| I-269 - STA. 878+00 TO STA. 900+00 | | 3 | 24 |
| I-269 - STA. 900+00 TO STA. 930+00 | | 4 | 25 |
| I-269 - STA. 930+00 TO STA. 960+00 | | 5 | 26 |
| INTERCHANGE LAYOUT - SR 309 | | 5A | 27 |
| SR 309 | | 5B | 28 |
| SR 309 RAMP A | | 5C | 29 |
| SR 309 RAMP B | | 5D | 30 |
| SR 309 RAMP C | | 5E | 31 |
| SR 309 RAMP D | | 5F | 32 |
| I-269 - STA. 960+00 TO STA. 990+00 | | 6 | 33 |
| I-269 - STA. 990+00 TO STA. 1020+00 | | 7 | 34 |
| I-269 - STA. 1020+00 TO STA. 1050+00 | | 8 | 35 |
| I-269 - STA. 1050+00 TO STA. 1080+00 | | 9 | 36 |
| I-269 - STA. 1080+00 TO STA. 1110+00 | | 10 | 37 |
| I-269 - STA. 1110+00 TO STA. 1132+00 | | 11 | 38 |
| I-269 - STA. 1132+00 TO STA. 1162+00 | | 12 | 39 |
| I-269 - STA. 1162+00 TO STA. 1192+00 | | 13 | 40 |
| I-269 - STA. 1192+00 TO STA. 1222+00 | | 14 | 41 |
| I-269 - STA. 1222+00 TO STA. 1247+33 | | 15 | 42 |
| INTERCHANGE LAYOUT - SR 302 | | 15A | 43 |
| SR 302 | | 15B | 44 |
| SR 302 | | 15C | 45 |
| SR 302 SE RAMP | | 15D | 46 |
| SR 302 SW RAMP | | 15E | 47 |
| **SPECIAL DESIGN - ROADWAY ITEMS (106)** | | | |
| INTERSECTION DETAILS - SR 309 AT RAMP A & RAMP B | | ID-1 | 48 |
| INTERSECTION DETAILS - SR 309 AT RAMP C & RAMP D | | ID-2 | 49 |
| INTERSECTION DETAILS - SE RAMP AT SR 302 | | ID-3 | 50 |
| INTERSECTION DETAILS - SW RAMP AT SR 302 | | ID-4 | 51 |
| FORM GRADE - I-269 AT RAMP A | | FG-1 | 52 |
| FORM GRADE - I-269 AT RAMP B | | FG-2 | 53 |
| FORM GRADE - I-269 AT RAMP C | | FG-3 | 54 |
| FORM GRADE - I-269 AT RAMP D | | FG-4 | 55 |
| FORM GRADE - SR 309 AT RAMPS A & B | | FG-5 | 56 |
| FORM GRADE - SR 309 AT RAMPS C & D | | FG-6 | 57 |
| FORM GRADE - SW RAMP AND SE RAMP AT I-269 | | FG-7 | 58 |
| FORM GRADE - SW RAMP AT SR 302 | | FG-8 | 59 |
| FORM GRADE - SE RAMP AT SR 302 | | FG-9 | 60 |

| GARVER, LLC | | |
|---|---|---|
| PS & E PLANS-DATE 04-20-2016 | | |
| FMS CON. # 102556/318000 | | |
| REVISIONS | | |
| DATE | SHEET NO. | BY |
| 06/15/16 | 11 | TWB |

NICCI D. TIMER — REGISTERED PROFESSIONAL ENGINEER 15025 — STATE OF MISSISSIPPI
GARVER, LLC TRAFFIC

TRAVIS WAYNE BLACK — REGISTERED PROFESSIONAL ENGINEER 19717 — STATE OF MISSISSIPPI
GARVER, LLC ROADWAY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILED INDEX

I-269 FROM NORTH OF US 78 TO SR 302

PROJ. NO.: STP-0029-03(015)
COUNTY: MARSHALL

FILENAME: DI_SH.DGN
DESIGN TEAM GARVER CHECKED TWB DATE APR 2016

WORKING NUMBER DI-1
SHEET NUMBER 2

PLAN
PRELIMINARY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

6/15/2016 1:41:25:38 DI_SH.DGN

FMS CON:102556/318000

| STATE | PROJECT NO. |
|---|---|
| MISS. | STP-0029-03(015) |

ADDENDUM

# SUMMARY OF QUANTITIES (SHEET 1)

| | PAY ITEM NO. | PAY ITEM | UNIT | PRELIMINARY | FINAL | |
|---|---|---|---|---|---|---|
| | 202-B005 | REMOVAL OF ASPHALT PAVEMENT, ALL DEPTHS | SY | 1075 | | 9 |
| | 202-B070 | REMOVAL OF SIGN INCLUDING POST & FOOTING | EA | 27 | | |
| | 202-B076 | REMOVAL OF TRAFFIC STRIPE | LF | 11200 | | 8 |
| | 202-B275 | REMOVAL OF BARRICADE, ALL TYPES | LF | 240 | | |
| △ | 203-A004 | UNCLASSIFIED EXCAVATION, LVM, AH | CY | 500 | | 12 △ |
| | 203-EX017 | BORROW EXCAVATION, AH, FME, CLASS B9 | CY | 14750 | | 7 |
| △ | 203-EX018 | BORROW EXCAVATION, AH, LVM, CLASS B9 | CY | 500 | | 12 △ |
| | 203-G003 | EXCESS EXCAVATION, FM, AH | CY | 116239 | | 7 11 |
| | 209-A004 | GEOTEXTILE STABILIZATION, TYPE V, NON-WOVEN | SY | 155940 | | |
| | 213-C001 | SUPERPHOSPHATE | TON | 41 | | |
| | 907-216-A001 | SOLID SODDING | SY | 1166 | | |
| | 219-A001 | WATERING | KGAL | 23 | | |
| | 220-A001 | INSECT PEST CONTROL | ACRE | 213 | | |
| | 221-A001 | PORTLAND CEMENT CONCRETE PAVED DITCH | CY | 90 | | 10 |
| | 223-A001 | MOWING | ACRE | 1278 | | |
| | 907-225-A001 | GRASSING | ACRE | 82 | | |
| | 907-225-B001 | AGRICULTURAL LIMESTONE | TON | 41 | | |
| | 907-225-C001 | MULCH, VEGETATIVE MULCH | TON | 164 | | |
| | 907-226-A001 | TEMPORARY GRASSING | ACRE | 82 | | |
| | 234-A001 | TEMPORARY SILT FENCE | LF | 10000 | | |
| | 907-234-D001 | INLET SILTATION GUARD | EA | 55 | | |
| | 907-234-E001 | RESET INLET SILTATION GUARD | EA | 55 | | |
| | 907-237-A003 | WATTLES, 20" | LF | 13590 | | |
| | 907-246-A001 | SANDBAGS | LF | 8100 | | |
| | 907-250-A001 | POLYACRYLAMIDE (PAM) | LBS | 348 | | |
| | 907-304-B009 | GRANULAR MATERIAL, CLASS 3, GROUP D | TON | 16350 | | 1 |
| | 907-304-B011 | GRANULAR MATERIAL, CLASS 9, GROUP B | TON | 164000 | | 1 |
| | 907-304-F002 | SIZE 610 CRUSHED STONE BASE | TON | 46050 | | 1 |
| | OR | | | | | |
| | 907-304-F003 | 3/4" AND DOWN CRUSHED STONE BASE | TON | 46050 | | 1 |
| | OR | | | | | |
| | 907-304-F004 | SIZE 825B CRUSHED STONE BASE | TON | 46050 | | 1 |
| | 907-307-C003 | 6" SOIL-LIME-WATER MIXING, CLASS C | SY | 180382 | | |
| | 907-307-D001 | LIME | TON | 2435 | | |
| | 907-307-S001 | BITUMINOUS CURING SEAL | GAL | 45096 | | |
| | 907-308-A001 | PORTLAND CEMENT | TON | 5917 | | 2 |
| | 907-308-B001 | SOIL-CEMENT-WATER MIXING, OPTIONAL MIXERS, BASE | SY | 377471 | | |
| | 907-308-B002 | SOIL-CEMENT-WATER MIXING, OPTIONAL MIXERS, DESIGN SOIL | SY | 180382 | | |
| | 907-308-S001 | BITUMINOUS CURING SEAL | GAL | 139464 | | 3 |
| | OR | | | | | |
| | 907-311-A003 | PROCESSING LIME AND FLY ASH TREATED COURSE, 6" THICK | SY | 557853 | | 4 |
| | 907-311-B001 | LIME | TON | 4123 | | 5 |
| | 907-311-C001 | FLY ASH, CLASS C | TON | 16489 | | 6 |
| | 907-311-S001 | BITUMINOUS CURING SEAL | GAL | 139464 | | 3 |

1. QUANTITY INCLUDES 20% INCREASE FROM CALCULATED QUANTITY.
2. INCLUDES 1526 TONS FOR DESIGN SOIL AND 4391 TONS FOR GRANULAR MATERIAL.
3. INCLUDES 45,096 GAL FOR DESIGN SOIL AND 94,368 GAL FOR GRANULAR MATERIAL.
4. INCLUDES 180,382 SY FOR DESIGN SOIL AND 377,471 SY FOR GRANULAR MATERIAL.
5. INCLUDES 1218 TONS FOR DESIGN SOIL AND 2905 TONS FOR GRANULAR MATERIAL.
6. INCLUDES 4870 TONS FOR DESIGN SOIL AND 11619 TONS FOR GRANULAR MATERIAL.
7. INCLUDES 2000 CY PER MILE FOR POTENTIAL UNDERCUTS THROUGHOUT THE LIMITS OF THE PROJECT AS DIRECTED BY THE ENGINEER.
8. REMOVED BY WATER BLASTING OR OTHER APPROVED NON-DESTRUCTIVE METHODS
9. QUANTITY FOR SR 309 PAVED SHOULDER REMOVAL. PAVEMENT REMOVAL IS TO BE SAWCUT AND SAWCUT IS TO BE ABSORBED.
10. ESTIMATED AS THREE MOWINGS FOR THE LIFE OF THE PROJECT.
11. INCLUDES 101,739 CY FOR REMOVING TOP 7" OF SUBGRADE LEFT HIGH ON GRADING PROJECT.
12. INCLUDES 500 CY FOR REPAIRING OF WASHES, RILLS ON SLOPES IN ISOLATED AREAS THROUGHOUT PROJECT.

| DATE | REVISION | BY |
|---|---|---|
| 06/07/16 | ADD PAY ITEMS | TWB |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES

I-269

PROJ. NO.: STP-0029-03(015)
COUNTY: MARSHALL

PRELIMINARY
NOT FOR
CONSTRUCTION

WORKING NUMBER SQS-1
SHEET NUMBER 11

FILENAME: SQS_SH.DGN
DESIGN TEAM GARVER CHECKED TWB DATE APR 2016

6/15/2016 14:24:41 SQS_SH.DGN