

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 7/20/2016 ADDENDUM NO. DATED
 ADDENDUM NO. 2 DATED 8/12/2016 ADDENDUM NO. DATED

| Number | Description |
|--------|--|
| 1 | Postponed; Amendment EBS Download Required. |
| 2 | Revised Table of Contents; Revised Advertisement; Revised NTB Nos. 6426, 6430, 6437, & 6536; Add NTB No. 6628; Revised Bid Items; Revised or Added Plan Sheet Nos. 2, 5, 19-22, 26, 32, 35, 188-195, 2001-2007, 3001-3022, 3025-3026; Amendment EBS Download Required. |

TOTAL ADDENDA: 2
 (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(017)/ 102556319000

Desoto County(ies)

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION
TABLE OF CONTENTS**

PROJECT: STP-0029-02(017)/102556319 - Desoto

RE-ADVERTISEMENT NOTICE TO BIDDERS NO. 6628

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 |
| #3581 | Storm Water Discharge Associated with Construction Activity (>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 |
| #5405 | Traffic Control Devices |
| #5412 | Weight Limits |
| #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 |
| #6411 | Disadvantaged Business Enterprise, w/ Supplement |
| #6426 | Contract Time |
| #6427 | Specialty Items |
| #6428 | Cooperation Between Contractors |
| #6429 | Restricted Areas |
| #6430 | A+B Bidding |
| #6431 | Additional Construction Requirements |
| #6432 | Use of Polyacrylamide (PAM) |
| #6433 | Additional Erosion Control Requirements |
| #6434 | Liquidated Damages |
| #6435 | Work Zone Restrictions |

PROJECT: STP-0029-02(017)/102556319 - Desoto

| | |
|-------|--|
| #6436 | Traffic Management Center (TMC) Modifications |
| #6437 | Location & Configuration of Communication Nodes |
| #6438 | Grade Verification |
| #6439 | Burn-in Period |
| #6440 | Minor Slope Grading |
| #6536 | Pay Item Correction |
| 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 |
| 907-105-9 | 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 |
| 907-249-1 | Riprap for Erosion Control |
| 907-250-1 | Polyacrylamide (PAM) |
| 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 |
| 907-410-13 | High Friction Surface Treatment |
| 907-413-5 | Sawing & Sealing Transverse Joints in Asphalt Pavement |
| 907-601-1 | Structural Concrete |
| 907-605-3 | Underdrains |
| 907-618-9 | Placement of Temporary Traffic Stripe |
| 907-618-13 | Temporary Construction Signs |

PROJECT: STP-0029-02(017)/102556319 - Desoto

| | |
|------------|--|
| 907-619-5 | Changeable Message Signs |
| 907-626-25 | Thermoplastic Traffic Markings |
| 907-630-13 | Sign Supports |
| 907-637-5 | ITS Equipment Cabinets |
| 907-639-8 | Traffic Signal and ITS Equipment Poles |
| 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 |
| 907-660-7 | Communications Node |
| 907-668-1 | Traffic Signal Conduit |
| 907-670-2 | ITS Radar Detection System |
| 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 |

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

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

08/12/2016 10:38 AM

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 901 - ADVERTISEMENT

Electronic bids will be received by the Mississippi Transportation Commission at 10:00 o'clock A.M., Tuesday, August 23, 2016, from the Bid Express Service and shortly thereafter publicly read on the Sixth Floor for:

Pave 4 lanes of SR 304 / I-269 from I-55 to SR 305, known as Federal Aid Project No. STP-0029-02(017) / 102556319 in Desoto County.

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

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

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

Bid proposals must be purchased online at <https://shopmdot.ms.gov>. Specimen proposals may be viewed and downloaded online at no cost at <http://mdot.ms.gov> or purchased online. Proposals are available at a cost of Ten Dollars (\$10.00) per proposal plus a small convenience fee. Cash or checks will not be accepted as payment.

[Plans must be purchased online at https://shopmdot.ms.gov](https://shopmdot.ms.gov). Costs of plans will be on a per sheet basis plus a small convenience fee. If you have any questions, you can contact the MDOT Plans Print Shop at (601) 359-7460, or e-mail at plans@mdot.state.ms.us. Plans will be shipped upon receipt of payment. Cash or checks will not be accepted as payment.

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

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

MELINDA L. MCGRATH
EXECUTIVE DIRECTOR

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 6426

CODE: (SP)

DATE: 08/03/2016

SUBJECT: Contract Time

PROJECT: STP-0029-02(017) / 102556319 in Desoto County

The date for completion of the work to be performed under this contract will not be a predetermined date but will be the date calculated by adding the number of days specified by the Contractor on the Expedite Bid Sheets to the effective date of the Notice to Proceed / Beginning of Contract Time. This date will be known as the Specified Completion Date, which date or extended date as provided in the contract shall be the end of contract time.

It is anticipated that the Notice of Award will be issued no later than **September 13, 2016** and the effective date of the Notice to Proceed / Beginning of Contract Time will be **November 14, 2016**.

Should the Contractor request a Notice to Proceed earlier than **November 14, 2016** and it is agreeable with the Department for an early Notice to Proceed, the requested date will become the new Notice to Proceed / Beginning of Contract Time date. Time charges will be assessed as per Special Provision 907-108.

It is anticipated that the contractor will prosecute all phases of work using multiple crews simultaneously. The contractor will be allowed to work 24 hours and 7 days a week on the project, except for Thanksgiving Day, Christmas Eve, Christmas Day, and New Years Day.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 6430

CODE: (SP)

DATE: 08/03/2016

SUBJECT: A + B Bidding

PROJECT: STP-0029-02(017) / 102556319 in Desoto County

Bidders are hereby advised this project contains requirements for A + B bidding.

The bidder shall determine the total number of calendar days required to complete the work in the contract. The product of the total number of calendar days required for construction of the project in accordance with the plans and specifications (contract time), as determined by the Bidder, times the disincentive cost of **\$25,000.00 per calendar day** shall be added to the total bid determined from the bid items. The sum of these two amounts will be the amount used for comparison of bids. This information will be shown on the Expedite Bid Sheets.

The proposal guaranty for this project should not include the amount determined for contract time as specified above. The proposal guaranty should be for the amount of the bid items.

After the proposals are opened and read, they will be compared on the basis of the following formula:

$$X = A + B$$

Where:

X = The total amount used only for determining the lowest bid for award of Contract.

A = Total Bid - Direct and Dependent Items - This being the summation of the products of the quantities shown in the bid schedule multiplied by their respective unit prices.

B = Value of the Contract Time – This being the total calendar days required to complete construction of the project in accordance with the plans and specifications (contract time), as determined by the Bidder, multiplied by the disincentive cost of **\$25,000.00** per day. The value B is included for comparison of bids only and will NOT be included in any payment to the Contractor. **The total number of days entered for contract time CAN NOT EXCEED 651 Calendar Days.** If the Contractor enters a Contract Time of more than **651 Calendar days,** the proposal will be considered **irregular, rejected, and returned to the bidder.**

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 6437

CODE: (SP)

DATE: 08/11/2016

SUBJECT: Location & Configuration of Communication Nodes

PROJECT: STP-0029-02(017) / 102556319 - Desoto County

Communications Node

Bidders are hereby advised

- All OTN Equipment, Chassis and Cards shall be paid under Pay Item 907-660-C002.
- The equipment, labor and configuration required that is not covered under the associated pay items below shall be considered incidental and paid for under TMC Modifications pay Item 907-659-A; Fiber Optic Cable 907-657-A or B; Networking Equipment 907-658-A.

OTN Node Components to be provided are shown in the table below.

| OTN Node Locations & Configurations | | Total # | 1 55 @ 1 269 | Southaven TMC |
|--|-----------------|----------------|---------------------|----------------------|
| Item Description | Part No. | | | |

| NODE CHASSIS & POWER SUPPLIES | | | | |
|--|------------------|----------|---|--|
| N7024CF (24 Combo Ports) | S30826-B42-X701 | 1 | 1 | |
| Power Supply 90-264 VAC for N50, N70 (1000W) | S30812-A5020-A71 | 2 | 2 | |
| Power Cord 110 VAC for N7x node – USA, 2,5m | V30812-A3060-A13 | 2 | 2 | |

| COMMON LOGIC CARDS & OPTICAL TRANSCEIVERS | | | | |
|--|---------------|-----------|----|--|
| L2-optic module for OTN-X3M@10G (multimode, 850 nm) | V30813-S27-A1 | 2 | 2 | |
| S2-optic module for X2M@10G (1310nm) | V30813-S25-A1 | 2 | 2 | |
| Optical GbE SFP 1310nm singlemode-LX | V30813-S20-A2 | 16 | 16 | |
| N42 Unit Bora Card | | 2 | 2 | |
| | | | | |
| | | | | |

| NETWORK MANAGEMENT / MAINTENANCE SOFTWARE | | | | |
|---|---------|---|---|--|
| OMS License for one N70 | AG-L398 | 1 | 1 | |

*The contractor shall provide the appropriate number of Back panels to cover empty card slots.

Part numbers are provided for informational purposes and are subject to change by the manufacturer. Any part substitutions due to revision or version change must be approved by the MDOT project Manager. Not all required ancillary components are shown in the table above; however, these shall be provided as part of the OTN Node to comprise a fully functional and operable final system. This may include but is not limited to, network management/ maintenance software licensing, optical transceivers, node chassis and power supplies. All required OTN components shall be included in the price bid for Item no. 907-660.

OTN Node Configuration – Site #1 (I-55 at I-269)

- An OTN node shall be installed, connected, configured and shall be paid under Pay Item 907-660.
- The OTN node shall have a minimum of 40 Gbps Ethernet backplane.
- All other parts, components, installation, configuration, and cabling of the Communications node and ITS equipment located in the Communications hut shall be paid under Pay Item 907-660.
- The Contractor shall ensure communication and power service during project and burn-in period.
- The Contractor shall be responsible for installing the OTN equipment identified in TABLE 1 above and configuring them to be integrated to the MDOT ITS network as approved by the ITS Program Manager and his/her designee.
- **Work on OTN Node equipment must be done by a technician certified on the OTN Node technology.**
- The existing Type C network Switch will be configured by the Contractor as follows:
 - The contractor shall be responsible to determine the needs of the existing Cisco Switch located at Site #1 to provide the proper interfaces between the ITS field equipment and switches under the scope of this project.
 - If existing equipment must be moved, the contractor will coordinate with the ITS Engineer for movement of equipment.
 - The contractor is responsible for any re-cabling if existing equipment is moved to make room for the switch in the rack.
 - The Contractor shall provide, install, configure and integrate any network cards and/or modules into the existing Cisco switch and proposed OTN node that are needed to meet those needs.
 - If the existing Cisco switch does not have the free capacity to meet the determined needs, the Contractor will be required to provide and configure an additional Type C switch and connect via fiber patch cables to the existing switch.
 - The Contractor shall provide and configure any needed interface cards to support the additional GBICs or SPFs in the new and/or existing Network Switch.

- Switch upgrades and interfaces at Site #1 must be submitted and approved by the Project engineer and the ITS engineer during submittals for network switches to be provided in this project.

OTN Node Configuration – Site #2 (Southaven TMC)

- Any configuration of the OTN nodes, network and ITS equipment located in the Communication hut buildings, and cabling will be paid under Pay Item 907-660.
- The OTN node shall have a minimum of 40 Gbps Ethernet backplane.
- The Contractor shall be responsible for installing the OTN equipment identified in TABLE 1 above and configuring them to be integrated to the MDOT ITS network as approved by the ITS Program Manager and his/her designee.
- Contractor shall be responsible for installing the OTN interface cards identified in the table above and configuring them to be integrated to the MDOT ITS network as approved by the ITS Program Manager or his/her designee.
- **Work on OTN Node equipment must be done by a technician certified on the OTN Node technology.**
- The Contractor shall interface and configure the Site #1 Node and Site #2 Node to provide communications between the HUTs and field elements connected to the HUTs.
- The existing Type C network Switch will be configured by the Contractor as follows:
 - The contractor shall be responsible to determine the needs of the existing Cisco Switch located at Site #2 to provide the proper interfaces between the ITS field equipment and switches under the scope of this project.
 - If existing equipment must be moved, the contractor will coordinate with the ITS Engineer for movement of equipment.
 - The contractor is responsible for any re-cabling if existing equipment is moved to make room for the switch in the rack.
 - The Contractor shall provide, install, configure and integrate any network cards and/or modules into the existing Cisco switch and proposed OTN node that are needed to meet those needs.
 - If the existing Cisco switch does not have the free capacity to meet the determined needs, the Contractor will be required to provide and configure an additional Type C switch and connect via fiber patch cables to the existing switch.
 - The Contractor shall provide and configure any needed interface cards to support the additional GBICs or SPFs in the new and/or existing Network Switch.
 - Switch upgrades and interfaces at Site #2 must be submitted and approved by the Project engineer and the ITS engineer during submittals for network switches to be provided in this project.

Regional Fiber Networking

The regional fiber network will connect in a ring arrangement. Test may be required at other existing communication nodes to verify video and data connections are in place to ensure the existing and new field devices are operational from the Traffic Management Centers. All field equipment must communicate to the TMC through existing communication nodes. Any labor, equipment, and materials necessary in the TMC for this work shall be included in the bid price for Pay Item Number 907-659.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 6536

CODE: (SP)

DATE: 08/12/2016

SUBJECT: Pay Item Corrections

PROJECT: STP-0029-02(017) / 102556319 - Desoto County

Bidders are advised that the following pay item is not shown in the plan summary of quantities; however, it may be used on the project training MDOT personnel, and has been added to the bid items:

- 907-659-C001 Traffic Management Center Modifications-Training, 1, Lump Sum

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 6628

CODE: (SP)

DATE: 8/12/2016

SUBJECT: Readvertisement

PROJECT: STP-0029-02(017) / 102556319 – Desoto County

The contents of this proposal are the same as when advertised for the *July* 2016 Letting, except as follows:

Revised Table of Contents;

Revised Advertisement;

Revised NTB No. 6426;

Revised NTB No. 6430;

Revised NTB No. 6437;

Revised NTB Nos. 6536;

Revised Bid Items;

Add this Notice to Bidders No. 6228.

Pave 4 lanes of SR 304 / I-269 from I-55 to SR 305, known as Federal Aid Project No. STP-0029-02(017) / 102556319 in Desoto County.

| Line No. | Item Code | Adj Code | Quantity | Units | Description [Fixed Unit Price] |
|----------------------|-----------|----------|----------|-----------------|--|
| Roadway Items | | | | | |
| 0010 | 202-B036 | | 988 | Square Yard | Removal of Concrete Slope Paving |
| 0020 | 202-B039 | | 23 | Each | Removal of Delineator, All Types |
| 0030 | 202-B063 | | 6 | Each | Removal of Overhead Sign Including Panels, Truss, Supports & Footing |
| 0040 | 202-B076 | | 8,299 | Linear Feet | Removal of Traffic Stripe |
| 0050 | 203-A004 | (E) | 500 | Cubic Yard | Unclassified Excavation, LVM, AH |
| 0060 | 203-EX017 | (E) | 20,763 | Cubic Yard | Borrow Excavation, AH, FME, Class B9 |
| 0070 | 203-EX018 | (E) | 500 | Cubic Yard | Borrow Excavation, AH, LVM, Class B9 |
| 0080 | 203-G003 | (E) | 115,960 | Cubic Yard | Excess Excavation, FM, AH |
| 0090 | 213-C001 | | 75 | Ton | Superphosphate |
| 0100 | 219-A001 | | 3 | Thousand Gallon | Watering [\$20.00] |
| 0110 | 220-A001 | | 880 | Acre | Insect Pest Control [\$30.00] |
| 0120 | 221-A001 | (S) | 37 | Cubic Yard | Portland Cement Concrete Paved Ditch |
| 0130 | 223-A001 | | 1,760 | Acre | Mowing [\$50.00] |
| 0140 | 234-A001 | | 48,000 | Linear Feet | Temporary Silt Fence |
| 0150 | 321-A001 | | 11 | Mile | 6" In-Grade Preparation |
| 0160 | 408-A003 | (A3) | 477 | Gallon | Asphalt for Prime Coat, Cut-Back MC-70 or Emulsified EA-1 |
| 0170 | 423-A001 | | 38 | Mile | Rumble Strips, Ground In |
| 0180 | 501-E001 | | 1,504 | Linear Feet | Expansion Joints, Without Dowels |
| 0190 | 502-A001 | (C) | 3,525 | Square Yard | Reinforced Cement Concrete Bridge End Pavement |
| 0200 | 602-A001 | (S) | 6,494 | Pounds | Reinforcing Steel |
| 0210 | 605-W001 | (GY) | 20 | Cubic Yard | Filter Material for Combination Storm Drain and/or Underdrains, Type A, FM |
| 0220 | 605-W002 | (GY) | 20 | Cubic Yard | Filter Material for Combination Storm Drain and/or Underdrains, Type B, FM |
| 0230 | 606-A001 | | 114 | Each | Guard Posts |
| 0240 | 606-B001 | | 2,600 | Linear Feet | Guard Rail, Class A, Type 1 |
| 0250 | 606-D012 | | 26 | Each | Guard Rail, Bridge End Section, Type I |
| 0260 | 606-E002 | | 26 | Each | Guard Rail, Terminal End Section, Flared |
| 0270 | 609-D007 | (S) | 2,774 | Linear Feet | Combination Concrete Curb and Gutter Type 2 Modified |
| 0280 | 609-D008 | (S) | 836 | Linear Feet | Combination Concrete Curb and Gutter Type 3A |
| 0290 | 615-A018 | (S) | 520 | Linear Feet | Concrete Bridge End Barrier, 33.5" (Actual 33.0") |
| 0300 | 619-A1002 | | 5 | Mile | Temporary Traffic Stripe, Continuous White |
| 0310 | 619-A2002 | | 5 | Mile | Temporary Traffic Stripe, Continuous Yellow |
| 0320 | 619-A3006 | | 1 | Mile | Temporary Traffic Stripe, Skip White |

| Line No. | Item Code | Adj Code | Quantity | Units | Description [Fixed Unit Price] |
|----------|-----------|----------|----------|-------------|---|
| 0330 | 619-A5001 | | 30,220 | Linear Feet | Temporary Traffic Stripe, Detail |
| 0340 | 619-C6001 | | 673 | Each | Red-Clear Reflective High Performance Raised Marker |
| 0350 | 619-D1001 | | 178 | Square Feet | Standard Roadside Construction Signs, Less than 10 Square Feet |
| 0360 | 619-D2001 | | 1,240 | Square Feet | Standard Roadside Construction Signs, 10 Square Feet or More |
| 0370 | 619-G4001 | | 36 | Linear Feet | Barricades, Type III, Single Faced |
| 0380 | 619-G4005 | | 96 | Linear Feet | Barricades, Type III, Double Faced |
| 0390 | 619-G5001 | | 126 | Each | Free Standing Plastic Drums |
| 0400 | 619-G7001 | | 15 | Each | Warning Lights, Type "B" |
| 0410 | 620-A001 | | 1 | Lump Sum | Mobilization |
| 0420 | 621-A001 | | 1 | Each | Field Laboratory |
| 0430 | 627-K001 | | 5,317 | Each | Red-Clear Reflective High Performance Raised Markers |
| 0432 | 627-L001 | | 992 | Each | Two-Way Yellow Reflective High Performance Raised Markers |
| 0440 | 630-A001 | | 959 | Square Feet | Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness |
| 0450 | 630-A002 | | 2,236 | Square Feet | Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness |
| 0460 | 630-B001 | | 4,847 | Square Feet | Interstate Directional Signs, Bolted Extruded Aluminum Panels, Ground Mounted |
| 0470 | 630-B002 | | 4,576 | Square Feet | Interstate Directional Signs, Bolted Extruded Aluminum Panels, Overhead Mounted |
| 0480 | 630-C001 | | 954 | Linear Feet | Steel U-Section Posts, 2.0 lb/ft |
| 0490 | 630-C003 | | 1,532 | Linear Feet | Steel U-Section Posts, 3.0 lb/ft |
| 0500 | 630-D003 | | 1,015 | Linear Feet | Structural Steel Beams, W6 x 9 |
| 0510 | 630-D004 | | 38 | Linear Feet | Structural Steel Beams, W6 x 12 |
| 0520 | 630-D005 | | 590 | Linear Feet | Structural Steel Beams, W6 x 15 |
| 0530 | 630-D006 | | 87 | Linear Feet | Structural Steel Beams, W8 x 18 |
| 0540 | 630-D007 | | 95 | Linear Feet | Structural Steel Beams, W8 x 21 |
| 0550 | 630-D008 | | 116 | Linear Feet | Structural Steel Beams, W10 x 22 |
| 0560 | 630-D010 | | 138 | Linear Feet | Structural Steel Beams, W12 x 26 |
| 0570 | 630-E001 | | 1,050 | Pounds | Structural Steel Angles & Bars, 3" x 3" x 1/4" Angles |
| 0580 | 630-E002 | | 952 | Pounds | Structural Steel Angles & Bars, 3 1/2" x 3 1/2" x 1/4" Angles |
| 0590 | 630-E003 | | 375 | Pounds | Structural Steel Angles & Bars, 4" x 4" x 5/16" Angles |
| 0600 | 630-E004 | | 2,803 | Pounds | Structural Steel Angles & Bars, 7/16" x 2 1/2" Flat Bar |
| 0610 | 630-F001 | | 104 | Each | Delineators, Guard Rail, White |
| 0620 | 630-F002 | | 104 | Each | Delineators, Guard Rail, Yellow |
| 0630 | 630-F006 | | 271 | Each | Delineators, Post Mounted, Single White |
| 0640 | 630-F007 | | 92 | Each | Delineators, Post Mounted, Single Yellow |

| Line No. | Item Code | Adj Code | Quantity | Units | Description [Fixed Unit Price] |
|----------|--------------|----------|----------|-------------|---|
| 0650 | 630-F008 | | 410 | Each | Delineators, Post Mounted, Double White |
| 0660 | 630-F009 | | 64 | Each | Delineators, Post Mounted, Double Yellow |
| 0670 | 630-G002 | | 44 | Each | Type 3 Object Markers, OM-3R or OM-3L, Post Mounted |
| 0680 | 630-K001 | | 251 | Linear Feet | Welded & Seamless Steel Pipe Posts, 3" |
| 0690 | 630-K002 | | 303 | Linear Feet | Welded & Seamless Steel Pipe Posts, 3 1/2" |
| 0700 | 630-K003 | | 1,167 | Linear Feet | Welded & Seamless Steel Pipe Posts, 4" |
| 0710 | 640-A016 | | 30 | Each | Traffic Signal Heads, Type 1 LED |
| 0720 | 640-A056 | | 5 | Each | Traffic Signal Heads, Type 2 FYA LED |
| 0730 | 642-A008 | | 5 | Each | Solid State Traffic Actuated Controllers, Type 8A |
| 0740 | 647-A002 | | 5 | Each | Pullbox, Type 3 |
| 0750 | 647-A003 | | 33 | Each | Pullbox, Type 4 |
| 0760 | 647-A004 | | 24 | Each | Pullbox, Type 5 |
| 0770 | 647-A005 | | 30 | Each | Pullbox, Type 2 |
| 0780 | 653-B001 | | 30 | Square Feet | Street Name Sign, Encapsulated Lens |
| 0790 | 666-B027 | | 1,503 | Linear Feet | Electric Cable, Underground in Conduit, THHN, AWG #2, 3 Conductor |
| 0800 | 666-B028 | | 3,317 | Linear Feet | Electric Cable, Underground in Conduit, THHN, AWG #6, 3 Conductor |
| 0810 | 666-B033 | | 2,578 | Linear Feet | Electric Cable, Underground in Conduit, IMSA 20-1, AWG 4, 3 Conductor |
| 0820 | 666-B034 | | 1,625 | Linear Feet | Electric Cable, Underground in Conduit, IMSA 20-1, AWG 1/0, 4 Conductor |
| 0830 | 666-B054 | | 2,807 | Linear Feet | Electric Cable, Underground in Conduit, IMSA 20-1, AWG 14, 8 Conductor |
| 0840 | 666-B058 | | 508 | Linear Feet | Electric Cable, Underground in Conduit, THHN, AWG #1, 3 Conductor |
| 0850 | 668-A018 | | 322 | Linear Feet | Traffic Signal Conduit, Underground, Type 4, 2" |
| 0860 | 668-A020 | | 149 | Linear Feet | Traffic Signal Conduit, Underground, Type 4, 3" |
| 0870 | 668-B024 | | 6,401 | Linear Feet | Traffic Signal Conduit, Underground Drilled or Jacked, Rolled Pipe, 2" |
| 0880 | 668-B025 | | 2,783 | Linear Feet | Traffic Signal Conduit, Underground Drilled or Jacked, Rolled Pipe, 3" |
| 0882 | 668-A029 | | 2,005 | Linear Feet | Traffic Signal Conduit, Underground, Rolled Pipe, 2" |
| 0890 | 815-A006 | (S) | 810 | Ton | Loose Riprap, Size 100 |
| 0900 | 815-A009 | (S) | 2,000 | Ton | Loose Riprap, Size 300 |
| 0910 | 815-E001 | (S) | 1,500 | Square Yard | Geotextile under Riprap |
| 0920 | 907-216-A001 | | 125 | Square Yard | Solid Sodding |
| 0930 | 907-225-A001 | | 150 | Acre | Grassing |
| 0940 | 907-225-B001 | | 75 | Ton | Agricultural Limestone |
| 0950 | 907-225-C001 | | 300 | Ton | Mulch, Vegetative Mulch |
| 0960 | 907-226-A001 | | 150 | Acre | Temporary Grassing |

| Line No. | Item Code | Adj Code | Quantity | Units | Description [Fixed Unit Price] |
|----------|---------------|----------|----------|-------------|--|
| 0970 | 907-234-D001 | | 79 | Each | Inlet Siltation Guard |
| 0980 | 907-234-E001 | | 79 | Each | Reset Inlet Siltation Guard |
| 0990 | 907-237-A002 | | 6,000 | Linear Feet | Wattles, 12" |
| 1000 | 907-237-A003 | | 6,000 | Linear Feet | Wattles, 20" |
| 1010 | 907-245-A001 | | 6,000 | Linear Feet | Triangular Silt Dike |
| 1020 | 907-246-A001 | | 1,900 | Linear Feet | Sandbags |
| 1030 | 907-249-A001 | | 500 | Ton | Riprap for Erosion Control |
| 1040 | 907-250-A001 | | 1,275 | Pounds | Polyacrylamide (PAM) |
| 1050 | 907-304-B009 | (GT) | 45,526 | Ton | Granular Material, Class 3, Group D |
| 1060 | 907-304-B011 | (GT) | 398,946 | Ton | Granular Material, Class 9, Group B |
| 1070 | 907-307-A002 | (M) | 57,753 | Square Yard | 6" Soil-Lime-Water Mixing, Class A |
| 1080 | 907-307-D001 | | 780 | Ton | Lime |
| 1090 | 907-307-S001 | (A3) | 14,438 | Gallon | Bituminous Curing Seal |
| 1100 | 907-402-A004 | (BA1) | 21,725 | Ton | Open Graded Friction Course, 9.5-mm Mixture |
| 1110 | 907-402-B001 | (A3) | 39,493 | Gallon | Bituminous Tack Coat |
| 1120 | 907-403-A017 | (BA1) | 8,970 | Ton | 9.5-mm, ST, Asphalt Pavement |
| 1130 | 907-403-A018 | (BA1) | 33,122 | Ton | 12.5-mm, ST, Asphalt Pavement |
| 1140 | 907-403-A019 | (BA1) | 62,329 | Ton | 19-mm, ST, Asphalt Pavement |
| 1150 | 907-403-A022 | (BA1) | 4,140 | Ton | 9.5-mm, MT, Asphalt Pavement |
| 1160 | 907-403-A023 | (BA1) | 5,520 | Ton | 12.5-mm, MT, Asphalt Pavement |
| 1170 | 907-403-A024 | (BA1) | 6,210 | Ton | 19-mm, MT, Asphalt Pavement |
| 1180 | 907-403-A028 | (BA1) | 45,309 | Ton | 12.5-mm, HT, Asphalt Pavement |
| 1190 | 907-403-A029 | (BA1) | 55,319 | Ton | 19-mm, HT, Asphalt Pavement |
| 1200 | 907-403-AA001 | (BA1) | 33,472 | Ton | Stone Matrix Asphalt, 9.5 mm Mixture |
| 1210 | 907-403-AA002 | (BA1) | 44,629 | Ton | Stone Matrix Asphalt, 12.5 mm Mixture |
| 1220 | 907-403-D010 | (BA1) | 712 | Ton | 9.5-mm, HT, Asphalt Pavement, Polymer Modified |
| 1230 | 907-403-D011 | (BA1) | 9,006 | Ton | 12.5-mm, HT, Asphalt Pavement, Polymer Modified |
| 1240 | 907-403-S004 | | 44 | Mile | Joint Sealant |
| 1250 | 907-406-A001 | | 195,963 | Square Yard | Cold Milling of Bituminous Pavement, All Depths |
| 1260 | 907-407-A001 | (A2) | 118,835 | Gallon | Asphalt for Tack Coat |
| 1270 | 907-410-D001 | | 10,281 | Square Yard | High Friction Surface Treatment |
| 1280 | 907-413-E001 | | 1,504 | Linear Feet | Sawing and Sealing Transverse Joints in Asphalt Pavement |
| 1290 | 907-601-B003 | (S) | 71 | Cubic Yard | Class "B" Structural Concrete, Minor Structures |
| 1300 | 907-605-O001 | (S) | 300 | Linear Feet | 6" Perforated Sewer Pipe for Underdrains, SDR 23.5 |

| Line No. | Item Code | Adj Code | Quantity | Units | Description [Fixed Unit Price] |
|----------|---------------|----------|----------|-------------|--|
| 1310 | 907-618-A001 | | 1 | Lump Sum | Maintenance of Traffic |
| 1320 | 907-619-E3001 | | 6 | Each | Changeable Message Sign |
| 1330 | 907-626-A005 | | 24 | Mile | 6" Thermoplastic Double Drop Traffic Stripe, Skip White |
| 1340 | 907-626-B003 | | 3,618 | Linear Feet | 6" Thermoplastic Traffic Stripe, Continuous White |
| 1350 | 907-626-B006 | | 3 | Mile | 6" Thermoplastic Double Drop Traffic Stripe, Continuous White |
| 1360 | 907-626-C003 | | 31 | Mile | 6" Thermoplastic Double Drop Edge Stripe, Continuous White |
| 1370 | 907-626-C004 | | 2 | Mile | 6" Thermoplastic Edge Stripe, Continuous White |
| 1376 | 907-626-E004 | | 4 | Mile | 6" Thermoplastic Traffic Stripe, Continuous Yellow |
| 1380 | 907-626-E006 | | 3 | Mile | 6" Thermoplastic Double Drop Traffic Stripe, Continuous Yellow |
| 1390 | 907-626-F003 | | 30 | Mile | 6" Thermoplastic Double Drop Edge Stripe, Continuous Yellow |
| 1400 | 907-626-F004 | | 1 | Mile | 6" Thermoplastic Edge Stripe, Continuous Yellow |
| 1410 | 907-626-G004 | | 24,055 | Linear Feet | Thermoplastic Detail Stripe, White |
| 1420 | 907-626-G006 | | 43,627 | Linear Feet | Thermoplastic Double Drop Detail Stripe, White |
| 1430 | 907-626-G007 | | 22,012 | Linear Feet | Thermoplastic Double Drop Detail Stripe, Yellow |
| 1440 | 907-626-H004 | | 2,646 | Linear Feet | Thermoplastic Legend, White |
| 1450 | 907-626-H005 | | 1,280 | Square Feet | Thermoplastic Legend, White |
| 1460 | 907-630-I001 | | 1 | Lump Sum | Metal Overhead Sign Supports, Assembly No. 1, Contractor Designed ("A") |
| 1470 | 907-630-I002 | | 1 | Lump Sum | Metal Overhead Sign Supports, Assembly No. 2, Contractor Designed ("B") |
| 1480 | 907-630-I003 | | 1 | Lump Sum | Metal Overhead Sign Supports, Assembly No. 3, Contractor Designed ("C") |
| 1490 | 907-630-I004 | | 1 | Lump Sum | Metal Overhead Sign Supports, Assembly No. 4, Contractor Designed ("D") |
| 1500 | 907-630-I005 | | 1 | Lump Sum | Metal Overhead Sign Supports, Assembly No. 5, Contractor Designed ("E") |
| 1510 | 907-630-I006 | | 1 | Lump Sum | Metal Overhead Sign Supports, Assembly No. 6, Contractor Designed ("F") |
| 1520 | 907-630-I007 | | 1 | Lump Sum | Metal Overhead Sign Supports, Assembly No. 7, Contractor Designed ("G") |
| 1530 | 907-630-I008 | | 1 | Lump Sum | Metal Overhead Sign Supports, Assembly No. 8, Contractor Designed ("H") |
| 1540 | 907-630-I009 | | 1 | Lump Sum | Metal Overhead Sign Supports, Assembly No. 9, Contractor Designed ("I") |
| 1550 | 907-630-I010 | | 1 | Lump Sum | Metal Overhead Sign Supports, Assembly No. 10, Contractor Designed ("J") |
| 1552 | 907-630-M001 | | 1 | Lump Sum | Pedestal Sign Support, Assembly No 1, Contractor Designed |
| 1554 | 907-630-M002 | | 1 | Lump Sum | Pedestal Sign Support, Assembly No 2, Contractor Designed |
| 1556 | 907-630-M006 | | 1 | Lump Sum | Pedestal Sign Support, Assembly No 3, Contractor Designed |
| 1560 | 907-637-A001 | | 9 | Each | Equipment Cabinet, Type B |
| 1570 | 907-637-A002 | | 3 | Each | Equipment Cabinet, Type C |

| Line No. | Item Code | Adj Code | Quantity | Units | Description [Fixed Unit Price] |
|------------------------------------|--------------|----------|----------|-------------|--|
| 1580 | 907-639-A009 | | 3 | Each | Traffic Signal Equipment Pole, Type II, 17' Shaft, 60' Arm |
| 1590 | 907-639-A018 | | 1 | Each | Traffic Signal Equipment Pole, Type II, 17' Shaft, 65' Arm |
| 1600 | 907-639-A019 | | 3 | Each | Traffic Signal Equipment Pole, Type II, 17' Shaft, 70' Arm |
| 1610 | 907-639-A066 | | 1 | Each | Traffic Signal Equipment Pole, Type III, 17' Shaft, 45' & 55' Arms |
| 1620 | 907-639-A073 | | 1 | Each | Traffic Signal Equipment Pole, Type III, 17' Shaft, 60' & 65' Arms |
| 1630 | 907-639-A089 | | 1 | Each | Traffic Signal Equipment Pole, Type III, 17' Shaft, 50' & 55' Arms |
| 1640 | 907-639-A106 | | 1 | Each | Traffic Signal Equipment Pole, Type III, 17' Shaft, 45' & 60' Arms |
| 1650 | 907-639-C002 | | 44 | Cubic Yard | Pole Foundations, 36" Diameter |
| 1670 | 907-639-E001 | | 8 | Each | Camera Pole with Foundation, 50' Pole |
| 1680 | 907-649-A004 | | 5 | Each | Video Detection System, 1 Sensor, Type 2 |
| 1690 | 907-649-D002 | | 10 | Each | Multi-Sensor Detection System, 1 Sensor |
| 1700 | 907-650-A002 | | 14 | Each | On Street Video Equipment, Fixed Type |
| 1710 | 907-650-A003 | | 8 | Each | On Street Video Equipment, PTZ Type |
| 1720 | 907-656-A002 | | 3 | Each | Dynamic Message Sign, Type 2 |
| 1730 | 907-657-A001 | | 55,668 | Linear Feet | Fiber Optic Cable, 72 SM |
| 1740 | 907-657-B001 | | 6,014 | Linear Feet | Fiber Optic Drop Cable, 12 SM |
| 1750 | 907-658-A005 | | 13 | Each | Network Switch, Type A |
| 1760 | 907-658-A008 | | 4 | Each | Network Switch, Type D |
| 1770 | 907-658-B001 | | 8 | Each | Terminal Server |
| 1780 | 907-659-A001 | | 1 | Lump Sum | Traffic Management Center Modifications |
| 1790 | 907-659-C001 | | 1 | Lump Sum | Traffic Management Center Modifications - Training |
| 1800 | 907-660-C002 | | 2 | Each | Communications Node Equipment Installation and Configuration |
| 1810 | 907-668-F002 | | 25,695 | Linear Feet | Traffic Signal Conduit Bank, Underground, Drilled or Jacked, Rolled Pipe, 2 @ 2" |
| 1820 | 907-668-E002 | | 32,118 | Linear Feet | Traffic Signal Conduit Bank, Underground, Rolled Pipe, 2 @ 2" |
| 1830 | 907-670-A001 | | 8 | Each | ITS Radar Detection System |
| 1840 | 907-699-A002 | | 1 | Lump Sum | Roadway Construction Stakes |
| 1850 | 907-815-F001 | (S) | 100 | Ton | Sediment Control Stone |
| 1860 | 907-906001 | | 1,040 | Hours | Trainees [\$5.00] |
| ALTERNATE GROUP AA NUMBER 1 | | | | | |
| 1870 | 907-304-F002 | (GT) | 31,830 | Ton | Size 610 Crushed Stone Base |
| ALTERNATE GROUP AA NUMBER 2 | | | | | |
| 1880 | 907-304-F003 | (GT) | 31,830 | Ton | 3/4" and Down Crushed Stone Base |
| ALTERNATE GROUP AA NUMBER 3 | | | | | |
| 1890 | 907-304-F004 | (GT) | 31,830 | Ton | Size 825B Crushed Stone Base |

| Line No. | Item Code | Adj Code | Quantity | Units | Description [Fixed Unit Price] |
|------------------------------------|--------------|----------|-----------|-------------|--|
| ALTERNATE GROUP BB NUMBER 1 | | | | | |
| 1900 | 907-308-A001 | | 10,831 | Ton | Portland Cement |
| 1910 | 907-308-B001 | (M) | 1,072,924 | Square Yard | Soil-Cement-Water Mixing, Optional Mixers, Base |
| 1920 | 907-308-B002 | (M) | 57,753 | Square Yard | Soil-Cement-Water Mixing, Optional Mixers, Design Soil |
| 1930 | 907-308-S001 | (A3) | 268,231 | Gallon | Bituminous Curing Seal |
| ALTERNATE GROUP BB NUMBER 2 | | | | | |
| 1940 | 907-311-A003 | (M) | 1,072,924 | Square Yard | Processing Lime and Fly Ash Treated Course, 6" Thick |
| 1950 | 907-311-B001 | | 7,765 | Ton | Lime |
| 1960 | 907-311-C001 | | 31,060 | Ton | Fly Ash, Class C |
| 1970 | 907-311-S001 | (A3) | 268,231 | Gallon | Bituminous Curing Seal |

ADDENDUM

DESCRIPTION OF SHEET

TRAFFIC SIGNALS (11)

SIGNAL AND ITS GENERAL NOTES
 TSI - GETWELL RD @ I-269 EB ON RAMP
 TSI - GETWELL RD @ I-269 WB ON RAMP
 TSI - CRAFT RD @ I-269 EB ON RAMP
 TSI - CRAFT RD @ I-269 WB ON RAMP
 TSI - SR 305 @ I-269 EB ON RAMP
 TRAFFIC SIGNAL DETAILS - DETAIL OF TRAFFIC SIGNAL HEADS, TRAFFIC SIGNAL SIGNS, AND GENERAL NOTES
 TRAFFIC SIGNAL DETAILS - PULL BOX AND CONDUIT TRENCHING DETAILS FOR TRAFFIC SIGNAL INSTALLATION
 TRAFFIC SIGNAL DETAILS - TYPICAL DETAILS OF CONTROLLER CABINET MOUNTINGS, TYPE 1 POLE ATTACHMENTS AND MISCELLANEOUS DETAILS
 TRAFFIC SIGNAL DETAILS - MAST ARM AND PEDESTAL POLE DETAILS FOR TRAFFIC SIGNAL INSTALLATION
 TRAFFIC SIGNAL DETAILS - TRAFFIC CONTROL PLAN (TYPICAL SIGNAL INSTALLATION)

ITS (30)

ITS PROJECT LOCATION MAP
 ITS PLAN - I-69 EB (WEST OF FOGG RD) DMS SITE #1
 ITS PLAN - I-69 EB (WEST OF FOGG RD)
 ITS PLAN - I-55 @ I-69 EB (WEST OF FOGG RD)
 ITS PLAN - I-269
 ITS PLAN - I-269
 ITS PLAN - I-269 @ TCHULAHOMA RD
 ITS PLAN - I-269 @ GETWELL RD
 ITS PLAN - I-269
 ITS PLAN - I-269 @ MALONE RD - DMS SITE #2
 ITS PLAN - I-269
 ITS PLAN - I-269 @ LAUGHTER RD
 ITS PLAN - I-269
 ITS PLAN - I-269 @ CRAFT RD
 ITS PLAN - I-269 - DMS SITE #3
 ITS PLAN - I-269 @ ROSS RD
 ITS PLAN - I-269 @ SR 305
 DMS DETAILS - DMS SITE #1 I-69 EB, APPROX. 4255' W FO FOGG RD. RAMP TAPER
 DMS DETAILS - DMS SITE #2 I-269 WB STA. 226+00
 DMS DETAILS - DMS SITE #3 I-269 EB STA. 422+00
 FIBER OPTIC DETAILS - PULLBOX AND CONDUIT TRENCHING DETAILS
 FIBER OPTIC DETAILS - CABLE MANAGEMENT DETAILS
 FIBER OPTIC DETAILS - SYSTEM BLICK DIAGRAM
 FIBER OPTIC DETAILS - FIBER SPLICING DETAILS
 CABINET DETAILS - TYPE B AND C CABINET DETAILS
 CABINET DETAILS - TYPE C COMM. CABINET DETAILS
 CCTV / RDS DETAILS - POLE-MOUNTED CCTV DETAILS
 ELECTRICAL DETAILS - POWER SERVICE DETAILS

DESCRIPTION OF SHEET

STANDARD DRAWINGS - ROADWAY SHEETS (33) ¹

PAVEMENT MARKING DETAILS 4-LANE AND 5-LANE UNDIVIDED HIGHWAYS
 PAVEMENT MARKING LEGEND DETAILS
 PAVEMENT MARKING LEGEND DETAILS
 EROSION CONTROL
 GUARDRAIL: "W" BEAM (WOOD POSTS)
 GUARDRAIL: "W" BEAM (STEEL POSTS)
 GUARDRAIL: MISCELLANEOUS HARDWARE
 STANDARD DIRECTIONAL (GUIDE) SIGNS
 ROUTE SHIELDS AND "EXIT ONLY" PANELS
 STANDARD ROADSIDE SIGNS
 STANDARD ROADSIDE SIGNS
 STANDARD ROADSIDE SIGNS
 STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION
 STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION
 STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION
 TYPICAL INSTALLATION OF GROUND MOUNTED DIRECTIONAL SIGNS
 BREAKWAY SIGN SUPPORTS
 BREAKWAY SIGN SUPPORTS
 SIGN FACE CONST. AND ATTACHMENT OF GROUND MOUNTED DIRECTIONAL SIGNS TO STEEL BEAMS (EXTRUDED ALUMINUM PANELS)
 TYPICAL INSTALLATION OF DELINEATORS
 TYPICAL GUARDRAIL DELINEATION
 TRAFFIC CONTROL PLAN WITH FLAGGER (ONE-LANE CLOSURE OF TWO-WAY TRAFFIC)
 SHORT DURATION CLOSING OF TWO-LANE TWO-WAY HIGHWAYS
 DETAILS OF OUTSIDE LANE CLOSURE AT EXIT AND ENTRANCE RAMP
 TRAFFIC CONTROL PLAN: UNEVEN PAVEMENT DETAILS
 TEMPORARY STRIPING FOR TRAFFIC CONTROL 2-LANE AND 4-LANE DIVIDED HIGHWAYS
 TEMPORARY STRIPING FOR TRAFFIC CONTROL 4-LANE AND 5-LANE UNDIVIDED HIGHWAYS
 INTERCHANGE DESIGN FOR HIGH SPEED TAPERED EXIT RAMP
 INTERCHANGE DESIGN FOR HIGH SPEED TAPERED EXIT RAMP
 INTERCHANGE DESIGN FOR LOOP ENTRANCE RAMP
 INTERCHANGE DESIGN FOR HIGH SPEED PARALLEL ENTRANCE RAMP
 DETAILS OF PAVED FLUMES
¹ DETAILS OF NORMAL UNDERDRAIN AND STORM DRAIN USED AS UNDERDRAIN

CROSS-SECTIONS (3)

I-269

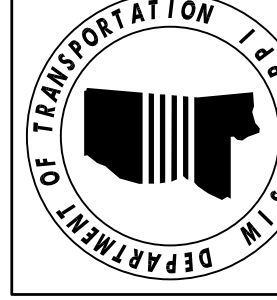
TOTAL SHEETS =

353



| | |
|--------|---------------------------------|
| BY | REVISION |
| R/S | REVISION NUMBER OF SHEETS |
| R/S | REVISION SHEET NUMBERS |
| R/S | ADOPTED STANDARD SHEET 6331 AND |
| DATE | DATE |
| 6-5-16 | 6-5-16 |
| 8-5-16 | 8-5-16 |

| | |
|--|----------------|
| MISSISSIPPI DEPARTMENT OF TRANSPORTATION | |
| DETAIL INDEX | |
| I-269 / SR 304 FROM | |
| I-55 TO SR 305 | |
| COUNTY: DESOTO | WORKING NUMBER |
| PROJ. NUM.: STP-0029-02(017) | DI-4 |
| FILENAME: DI-4.DGN | SHEET NUMBER |
| DESIGN TEAM: MICHAEL BAKER CHECKED | 5 |
| KJC | DATE |
| 2016 | |



ADDENDUM

SUMMARY OF QUANTITIES (SHEET 2)

| PAY ITEM NO. | PAY ITEM | UNIT | PRELIMINARY | FINAL |
|---------------|--|------|---------------------|-------|
| 321-A001 | 6" IN-GRADE PREPARATION | MI | 11 | |
| 907-402-A004 | OPEN GRADED FRICTION COURSE, 9.5-MM MIXTURE | TON | 21,725 [△] | |
| 907-402-B001 | BITUMINOUS TACK COAT | GAL | 39,493 | |
| 907-403-AA001 | STONE MATRIX ASPHALT, 9.5 MM MIXTURE | TON | 33,472 [△] | |
| 907-403-AA002 | STONE MATRIX ASPHALT, 12.5 MM MIXTURE | TON | 44,629 [△] | |
| 907-403-A019 | 19-MM, ST, ASPHALT PAVEMENT | TON | 62,329 [△] | |
| 907-403-A028 | 12.5-MM, HT, ASPHALT PAVEMENT | TON | 45,309 [△] | |
| 907-403-A029 | 19-MM, HT, ASPHALT PAVEMENT | TON | 55,319 [△] | |
| 907-403-A017 | 9.5-MM, ST, ASPHALT PAVEMENT | TON | 8,970 [△] | |
| 907-403-A018 | 12.5-MM, ST, ASPHALT PAVEMENT | TON | 33,122 [△] | |
| 907-403-A022 | 9.5-MM, MT, ASPHALT PAVEMENT | TON | 4,140 | |
| 907-403-A023 | 12.5-MM, MT, ASPHALT PAVEMENT | TON | 5,520 | |
| 907-403-A024 | 19-MM, MT, ASPHALT PAVEMENT | TON | 6,210 | |
| 907-403-D010 | 9.5-MM, HT, ASPHALT PAVEMENT, POLYMER MODIFIED | TON | 712 | |
| 907-403-D011 | 12.5-MM, HT, ASPHALT PAVEMENT, POLYMER MODIFIED | TON | 9,006 | |
| 907-403-S004 | JOINT SEALANT | MI | 44 [△] | |
| 907-406-A001 | COLD MILLING OF BITUMINOUS PAVEMENT, ALL DEPTHS | SY | 195,963 | |
| 907-407-A001 | ASPHALT FOR TACK COAT | GAL | 118,835 | |
| 408-A003 | ASPHALT FOR PRIME COAT, CUT-BACK MC-70 OR EMULSIFIED EA-1 | GAL | 477 | |
| 907-410-D001 | HIGH FRICTION SURFACE TREATMENT | SY | 10,281 | |
| 907-413-E001 | SAWING AND SEALING TRANSVERSE JOINTS IN ASPHALT PAVEMENT | LF | 1,504 | |
| 423-A001 | RUMBLE STRIPS, GROUND IN | MI | 38 | |
| 501-E001 | EXPANSION JOINTS, WITHOUT DOWELS | LF | 1,504 | |
| 502-A001 | REINFORCED CEMENT CONCRETE BRIDGE END PAVEMENT | SY | 3,525 | |
| 907-601-B003 | CLASS "B" STRUCTURAL CONCRETE, MINOR STRUCTURES | CY | 71 | |
| 602-A001 | REINFORCING STEEL | LBS | 6,494 [△] | |
| 907-605-O001 | 6" PERFORATED SEWER PIPE FOR UNDERDRAINS, SDR 23.5 | LF | 300 [△] | |
| 605-W001 | FILTER MATERIAL FOR COMBINATION STORM DRAIN AND/OR UNDERDRAINS, TYPE A, FM | CY | 20 [△] | |
| 605-W002 | FILTER MATERIAL FOR COMBINATION STORM DRAIN AND/OR UNDERDRAINS, TYPE B, FM | CY | 20 [△] | |

- ① INCLUDES ALL RAMPS AND LOOPS, COST ARE ABSORBED.
- ② QUANTITY IS FOR SIGN FOOTINGS.
- ③ TO BE USED UNDER THE GUARDRAILS
- ④ DRAIN PIPE AND FILTER MATERIAL WERE INSTALLED UNDER THE GRADING PROJECT
- ⑤ QUANTITY TO BE USED FOR SLOPE REPAIR AS DIRECTED BY PROJECT ENGINEER.

| | | |
|---------|--------------------|--|
| 8-5-16 | REVISED QUANTITY | |
| 6-22-16 | ADDED NOTE | |
| 6-15-16 | REVISED QUANTITIES | |
| DATE | REVISION | |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
I-269 / SR304 RELOCATION
FROM I-55 TO SR305

COUNTY: DESOTO
 PROJ. NUM.: STP-0029-02(017)
 FILENAME: SQS.DGN
 DESIGN TEAM: MICHAEL BAKER CHECKED _____ KJC DATE _____ 2016

WORKING NUMBER
SQ-2
 SHEET NUMBER
19

ADDENDUM

SUMMARY OF QUANTITIES (SHEET 3)

| PAY ITEM NO. | PAY ITEM | UNIT | PRELIMINARY | FINAL |
|---------------|--|------|------------------------------------|-------|
| 606-A001 | GUARD POSTS | EA | 114 | |
| 606-B001 | GUARD RAIL, CLASS A, TYPE 1 | LF | 2,600 | |
| 606-D012 | GUARD RAIL, BRIDGE END SECTION, TYPE I | EA | 26 | |
| 606-E002 | GUARD RAIL, TERMINAL END SECTION, FLARED | EA | 26 | |
| 609-D007 | COMBINATION CONCRETE CURB AND GUTTER TYPE 2 MODIFIED | LF | 2,774 | |
| 609-D008 | COMBINATION CONCRETE CURB AND GUTTER TYPE 3A | LF | 836 | |
| 615-A018 | CONCRETE BRIDGE END BARRIER, 33.5" , (ACTUAL 33.0") | LF | 520 | |
| 907-618-A001 | MAINTENANCE OF TRAFFIC | LS | 100% | |
| 619-A1002 | TEMPORARY TRAFFIC STRIPE, CONTINUOUS WHITE | MI | 5 | |
| 619-A2002 | TEMPORARY TRAFFIC STRIPE, CONTINUOUS YELLOW | MI | 5 | |
| 619-A3006 | TEMPORARY TRAFFIC STRIPE, SKIP WHITE | MI | 1 | |
| 619-A5001 | TEMPORARY TRAFFIC STRIPE, DETAIL | LF | 30,220 | |
| 619-C6001 | RED-CLEAR REFLECTIVE HIGH PERFORMANCE RAISED MARKER | EA | 673 | |
| 619-D1001 | STANDARD ROADSIDE CONSTRUCTION SIGNS, LESS THAN 10 SQUARE FEET | SF | 178 | |
| 619-D2001 | STANDARD ROADSIDE CONSTRUCTION SIGNS, 10 SQUARE FEET OR MORE | SF | 1240 | |
| 907-619-E3001 | CHANGEABLE MESSAGE SIGN | EA | 6 | |
| 619-G4001 | BARRICADES, TYPE III, SINGLE FACED | LF | 36 | |
| 619-G4005 | BARRICADES, TYPE III, DOUBLE FACED | LF | 96 | |
| 619-G5001 | FREE STANDING PLASTIC DRUMS | EA | 126 | |
| 619-G7001 | WARNING LIGHTS, TYPE "B" | EA | 15 | |
| 620-A001 | MOBILIZATION | LS | 100% | |
| 621-A001 | FIELD LABORATORY | EA | 1 | |
| 907-626-A005 | 6" THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE, SKIP WHITE | MI | 24 | |
| 907-626-B003 | 6" THERMOPLASTIC TRAFFIC STRIPE, CONTINUOUS WHITE | LF | 3,618 ² / ₂ | |
| 907-626-B006 | 6" THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE, CONTINUOUS WHITE | MI | 3 ² / ₂ | |
| 907-626-C003 | 6" THERMOPLASTIC DOUBLE DROP EDGE STRIPE, CONTINUOUS WHITE | MI | 31 | |
| 907-626-C004 | 6" THERMOPLASTIC EDGE STRIPE, CONTINUOUS WHITE | MI | 2 ² / ₂ | |
| 907-626-E004 | 6" THERMOPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW | MI | 4 ² / ₂ | |
| 907-626-E006 | 6" THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE, CONTINUOUS YELLOW | MI | 3 ² / ₂ | |
| 907-626-F003 | 6" THERMOPLASTIC DOUBLE DROP EDGE STRIPE, CONTINUOUS YELLOW | MI | 30 | |
| 907-626-F004 | 6" THERMOPLASTIC EDGE STRIPE, CONTINUOUS YELLOW | MI | 1 | |
| 907-626-G004 | THERMOPLASTIC DETAIL STRIPE, WHITE | LF | 24,055 ² / ₂ | |
| 907-626-G006 | THERMOPLASTIC DOUBLE DROP DETAIL STRIPE, WHITE | LF | 43,627 ² / ₂ | |
| 907-626-G007 | THERMOPLASTIC DOUBLE DROP DETAIL STRIPE, YELLOW | LF | 22,012 ² / ₂ | |
| 907-626-H004 | THERMOPLASTIC LEGEND, WHITE | LF | 2,646 ² / ₂ | |
| 907-626-H005 | THERMOPLASTIC LEGEND, WHITE | SF | 1,280 ² / ₂ | |
| 627-K001 | RED-CLEAR REFLECTIVE HIGH PERFORMANCE RAISED MARKERS | EA | 5,317 ² / ₂ | |
| 627-L001 | TWO-WAY YELLOW REFLECTIVE HIGH PERFORMANCE RAISED MARKERS | EA | 992 ² / ₂ | |

- ① QUANTITY SHOWN FOR ESTIMATING PURPOSES ONLY. ACTUAL QUANTITY AND PLACEMENT TO BE AS DIRECTED BY ENGINEER.
- ② ACTUAL HEIGHT OF RAIL IS 33.0"
- ③ 7,968 L.F. IS FOR BRIDGES

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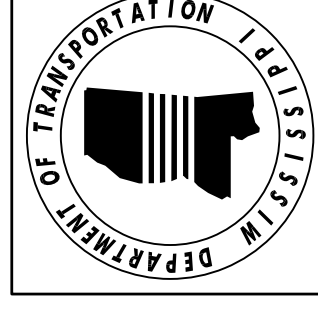
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MISSISSIPPI DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
I-269 / SR304 RELOCATION
FROM I-55 TO SR305

COUNTY: DESOTO
 PROJ. NUM.: STP-0029-02(017)
 FILENAME: SQS.DGN
 DESIGN TEAM: MICHAEL BAKER CHECKED KJC DATE 2015
 WORKING NUMBER SQ-3
 SHEET NUMBER 20

| | | |
|---------|---------------------------|----|
| 8-5-16 | REVISED QUANTITIES | BY |
| 6-15-16 | DELETED PAY ITEM AND NOTE | RS |
| DATE | REVISION | RS |



ADDENDUM

SUMMARY OF QUANTITIES (SHEET 4)

| PAY ITEM NO. | PAY ITEM | UNIT | PRELIMINARY | FINAL |
|----------------|---|------|-------------|-------|
| 630-A001 | STANDARD ROADSIDE SIGNS, SHEET ALUMINUM, 0.080" THICKNESS | SF | 959 | |
| 630-A002 | STANDARD ROADSIDE SIGNS, SHEET ALUMINUM, 0.125" THICKNESS | SF | 2,236 | |
| 630-B001 | INTERSTATE DIRECTIONAL SIGNS, BOLTED EXTRUDED ALUMINUM PANELS, GROUND MOUNTED | SF | 4,847 | |
| 630-B002 | INTERSTATE DIRECTIONAL SIGNS, BOLTED EXTRUDED ALUMINUM PANELS, OVERHEAD MOUNTED | SF | 4,576 | |
| 2 1/2 630-C001 | STEEL U-SECTION POSTS, 2.0 LB/FT | LF | 954 | |
| 2 1/2 630-C003 | STEEL U-SECTION POSTS, 3.0 LB/FT | LF | 1,532 | |
| 630-D003 | STRUCTURAL STEEL BEAMS, W6 X 9 | LF | 1,015 | |
| 630-D004 | STRUCTURAL STEEL BEAMS, W6 X 12 | LF | 38 | |
| 630-D005 | STRUCTURAL STEEL BEAMS, W6 X 15 | LF | 590 | |
| 630-D006 | STRUCTURAL STEEL BEAMS, W8 X 18 | LF | 87 | |
| 630-D007 | STRUCTURAL STEEL BEAMS, W8 X 21 | LF | 95 | |
| 630-D008 | STRUCTURAL STEEL BEAMS, W10 X 22 | LF | 116 | |
| 630-D010 | STRUCTURAL STEEL BEAMS, W12 X 26 | LF | 138 | |
| 630-E001 | STRUCTURAL STEEL ANGLES & BARS, 3" X 3" X 1/4" ANGLES | LBS | 1,050 | |
| 630-E002 | STRUCTURAL STEEL ANGLES & BARS, 3 1/2" X 3 1/2" X 1/4" ANGLES | LBS | 952 | |
| 630-E003 | STRUCTURAL STEEL ANGLES & BARS, 4" X 4" X 5/16" ANGLES | LBS | 375 | |
| 630-E004 | STRUCTURAL STEEL ANGLES & BARS, 7/16" X 2 1/2" FLAT BAR | LBS | 2,803 2/3 | |
| 1/2 630-F001 | DELINEATORS, GUARD RAIL, WHITE | EA | 104 | |
| 630-F002 | DELINEATORS, GUARD RAIL, YELLOW | EA | 104 | |
| 630-F006 | DELINEATORS, POST MOUNTED, SINGLE WHITE | EA | 271 | |
| 630-F007 | DELINEATORS, POST MOUNTED, SINGLE YELLOW | EA | 92 | |
| 630-F008 | DELINEATORS, POST MOUNTED, DOUBLE WHITE | EA | 410 | |
| 630-F009 | DELINEATORS, POST MOUNTED, DOUBLE YELLOW | EA | 64 | |
| 630-G002 | TYPE 3 OBJECT MARKERS, OM-3R OR OM-3L, POST MOUNTED | EA | 44 | |
| 907-630-I001 | METAL OVERHEAD SIGN SUPPORTS, ASSEMBLY NO. 1, CONTRACTOR DESIGNED ("A") | LS | 100% | |
| 907-630-I002 | METAL OVERHEAD SIGN SUPPORTS, ASSEMBLY NO. 2, CONTRACTOR DESIGNED ("B") | LS | 100% | |
| 907-630-I003 | METAL OVERHEAD SIGN SUPPORTS, ASSEMBLY NO. 3, CONTRACTOR DESIGNED ("C") | LS | 100% | |
| 907-630-I004 | METAL OVERHEAD SIGN SUPPORTS, ASSEMBLY NO. 4, CONTRACTOR DESIGNED ("D") | LS | 100% | |
| 907-630-I005 | METAL OVERHEAD SIGN SUPPORTS, ASSEMBLY NO. 5, CONTRACTOR DESIGNED ("E") | LS | 100% | |
| 907-630-I006 | METAL OVERHEAD SIGN SUPPORTS, ASSEMBLY NO. 6, CONTRACTOR DESIGNED ("F") | LS | 100% | |
| 907-630-I007 | METAL OVERHEAD SIGN SUPPORTS, ASSEMBLY NO. 7, CONTRACTOR DESIGNED ("G") | LS | 100% | |
| 907-630-I008 | METAL OVERHEAD SIGN SUPPORTS, ASSEMBLY NO. 8, CONTRACTOR DESIGNED ("H") | LS | 100% | |
| 907-630-I009 | METAL OVERHEAD SIGN SUPPORTS, ASSEMBLY NO. 9, CONTRACTOR DESIGNED ("I") | LS | 100% | |
| 907-630-I010 | METAL OVERHEAD SIGN SUPPORTS, ASSEMBLY NO. 10, CONTRACTOR DESIGNED ("J") | LS | 100% | |
| 630-K001 | WELDED & SEAMLESS STEEL PIPE POSTS, 3" | LF | 251 1/2 | |
| 630-K002 | WELDED & SEAMLESS STEEL PIPE POSTS, 3 1/2" | LF | 303 1/2 | |
| 630-K003 | WELDED & SEAMLESS STEEL PIPE POSTS, 4" | LF | 1,167 1/3 | |
| 3 907-630-M001 | PEDESTAL SIGN SUPPORT, ASSEMBLY NO 1, CONTRACTOR DESIGNED | LS | 100% | |
| 3 907-630-M002 | PEDESTAL SIGN SUPPORT, ASSEMBLY NO 2, CONTRACTOR DESIGNED | LS | 100% | |
| 3 907-630-M006 | PEDESTAL SIGN SUPPORT, ASSEMBLY NO 3, CONTRACTOR DESIGNED | LS | 100% | |
| 3 907-637-A001 | EQUIPMENT CABINET, TYPE B | EA | 9 | |
| 3 907-637-A002 | EQUIPMENT CABINET, TYPE C | EA | 3 | |

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|---------|------------------------------------|-----|--|
| 8-5-16 | REVISED QUANTITY & ADDED PAY ITEMS | R/S | |
| 6-22-16 | REVISED PAY ITEM | R/S | |
| 6-15-16 | REVISED QUANTITIES | R/S | |
| DATE | REVISION | BY | |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
I-269 / SR304 RELOCATION
FROM I-55 TO SR305

COUNTY: DESOTO
 PROJ. NUM.: STP-0029-02(017)
 FILENAME: SQS.DGN
 DESIGN TEAM: MICHAEL BAKER CHECKED _____ KJC DATE _____ 2015

WORKING NUMBER
SQ-4
 SHEET NUMBER
21

ADDENDUM

SUMMARY OF QUANTITIES (SHEET 5)

| PAY ITEM NO. | PAY ITEM | UNIT | PRELIMINARY | FINAL |
|--------------|--|------|-------------|-------|
| 907-639-A009 | TRAFFIC SIGNAL EQUIPMENT POLE, TYPE II, 17' SHAFT, 60' ARM | EA | 3 | |
| 907-639-A018 | TRAFFIC SIGNAL EQUIPMENT POLE, TYPE II, 17' SHAFT, 65' ARM | EA | 1 | |
| 907-639-A019 | TRAFFIC SIGNAL EQUIPMENT POLE, TYPE II, 17' SHAFT, 70' ARM | EA | 3 | |
| 907-639-A066 | TRAFFIC SIGNAL EQUIPMENT POLE, TYPE III, 17' SHAFT, 45' & 55' ARMS | EA | 1 | |
| 907-639-A073 | TRAFFIC SIGNAL EQUIPMENT POLE, TYPE III, 17' SHAFT, 60' & 65' ARMS | EA | 1 | |
| 907-639-A089 | TRAFFIC SIGNAL EQUIPMENT POLE, TYPE III, 17' SHAFT, 50' & 55' ARMS | EA | 1 | |
| 907-639-A106 | TRAFFIC SIGNAL EQUIPMENT POLE, TYPE III, 17' SHAFT, 45' & 60' ARMS | EA | 1 | |
| 907-639-C002 | POLE FOUNDATIONS, 36" DIAMETER | CY | 44 | 3 |
| 907-639-E001 | CAMERA POLE WITH FOUNDATION, 50' POLE | EA | 8 | |
| 640-A016 | TRAFFIC SIGNAL HEADS, TYPE 1 LED | EA | 30 | |
| 640-A056 | TRAFFIC SIGNAL HEADS, TYPE 2 FYA LED | EA | 5 | |
| 642-A008 | SOLID STATE TRAFFIC ACTUATED CONTROLLERS, TYPE 8A | EA | 5 | |
| 647-A002 | PULLBOX, TYPE 3 | EA | 5 | |
| 647-A003 | PULLBOX, TYPE 4 | EA | 33 | 3 |
| 647-A004 | PULLBOX, TYPE 5 | EA | 24 | 3 |
| 647-A005 | PULLBOX, TYPE 2 | EA | 30 | 3 |
| 907-649-A004 | VIDEO DETECTION SYSTEM, 1 SENSOR, TYPE 2 | EA | 5 | 3 |
| 907-649-D002 | MULTI-SENSOR DETECTION SYSTEM, 1 SENSOR | EA | 10 | 3 |
| 907-650-A002 | ON STREET VIDEO EQUIPMENT, FIXED TYPE | EA | 14 | |
| 907-650-A003 | ON STREET VIDEO EQUIPMENT, PTZ TYPE | EA | 8 | |
| 653-B001 | STREET NAME SIGN, ENCAPSULATED LENS | SF | 30 | |
| 907-656-A002 | DYNAMIC MESSAGE SIGN, TYPE 2 | EA | 3 | |
| 907-657-A001 | FIBER OPTIC CABLE, 72 SM | LF | 55,668 | 3 |
| 907-657-B001 | FIBER OPTIC DROP CABLE, 12 SM | LF | 6,014 | 3 |
| 907-658-A005 | NETWORK SWITCH, TYPE A | EA | 13 | 3 |
| 907-658-A008 | NETWORK SWITCH, TYPE D | EA | 4 | 3 |
| 907-658-B001 | TERMINAL SERVER | EA | 8 | 3 |
| 907-659-A001 | TRAFFIC MANAGEMENT CENTER MODIFICATIONS | LS | 100% | 3 |
| 907-660-C002 | COMMUNICATIONS NODE EQUIPMENT INSTALLATION AND CONFIGURATION | EA | 2 | 3 |
| 666-B027 | ELECTRIC CABLE, UNDERGROUND IN CONDUIT, THHN, AWG #2, 3 CONDUCTOR | LF | 1,503 | |
| 666-B028 | ELECTRIC CABLE, UNDERGROUND IN CONDUIT, THHN, AWG #6, 3 CONDUCTOR | LF | 3,317 | |
| 666-B033 | ELECTRIC CABLE, UNDERGROUND IN CONDUIT, IMSA 20-1, AWG 4, 3 CONDUCTOR | LF | 2,578 | |
| 666-B034 | ELECTRIC CABLE, UNDERGROUND IN CONDUIT, IMSA 20-1, AWG 1/0, 4 CONDUCTOR | LF | 1,625 | |
| 666-B054 | ELECTRIC CABLE, UNDERGROUND IN CONDUIT, IMSA 20-1, AWG 14, 8 CONDUCTOR | LF | 2,807 | 3 |
| 666-B058 | ELECTRIC CABLE, UNDERGROUND IN CONDUIT, THHN, AWG #1, 3 CONDUCTOR | LF | 508 | |
| 668-A018 | TRAFFIC SIGNAL CONDUIT, UNDERGROUND, TYPE 4, 2" | LF | 322 | |
| 668-A020 | TRAFFIC SIGNAL CONDUIT, UNDERGROUND, TYPE 4, 3" | LF | 149 | |
| 668-A029 | TRAFFIC SIGNAL CONDUIT, UNDERGROUND, ROLLED PIPE, 2" | LF | 2,005 | 3 |
| 668-B024 | TRAFFIC SIGNAL CONDUIT, UNDERGROUND DRILLED OR JACKED, ROLLED PIPE, 2" | LF | 6,401 | 3 |
| 668-B025 | TRAFFIC SIGNAL CONDUIT, UNDERGROUND DRILLED OR JACKED, ROLLED PIPE, 3" | LF | 2,783 | 3 |
| 907-668-E002 | TRAFFIC SIGNAL CONDUIT BANK, UNDERGROUND, ROLLED PIPE, 2 @ 2" | LF | 32,118 | 3 |
| 907-668-F002 | TRAFFIC SIGNAL CONDUIT BANK, UNDERGROUND, DRILLED OR JACKED, ROLLED PIPE, 2 @ 2" | LF | 25,695 | 3 |
| 907-670-A001 | ITS RADAR DETECTION SYSTEM | EA | 8 | |
| 907-699-A002 | ROADWAY CONSTRUCTION STAKES | LS | 100% | |
| 815-A006 | LOOSE RIPRAP, SIZE 100 | TON | 810 | |
| 815-A009 | LOOSE RIPRAP, SIZE 300 | TON | 2,000 | |
| 815-E001 | GEOTEXTILE UNDER RIPRAP | SY | 1500 | |
| 907-815-F001 | SEDIMENT CONTROL STONE | TON | 100 | 3 |

- ① 12 EA. - FOR TRAFFIC SIGNALS
- ② 18 EA. - FOR ITS
- ③ 5 EA. - FOR TRAFFIC SIGNALS
- ④ 8 EA. - FOR ITS
- ⑤ ALL LED SIGNAL HEADS SHALL BE BLACK IN COLOR WITH BACKPLATES.
- ⑥ QUANTITY TO BE USED FOR SLOPE REPAIR AS DIRECTED BY PROJECT ENGINEER.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
I-269 / SR304 RELOCATION
FROM I-55 TO SR305

COUNTY: DESOTO
 PROJ. NUM.: STP-0029-02(017)

WORKING NUMBER
SQ-5

FILE NAME: SQS.DGN
 DESIGN TEAM: Michael Baker
 CHECKED: _____
 KJC DATE: 2015

SHEET NUMBER
22

| | | |
|---------|-------------------|--|
| 8-5-16 | REVISED PAY ITEMS | |
| 6-22-16 | ADDED NOTE | |
| 6-15-16 | ADDED PAY ITEMS | |
| 6-15-16 | REVISION | |
| DATE | BY | |

| | |
|-------|------------------|
| STATE | PROJECT NO. |
| MISS. | STP-0029-02(017) |

| PAY ITEM | DESCRIPTION | UNIT | TSI-1 | TSI-2 | TSI-3 | TSI-4 | TSI-5 | ITS-1 | ITS-2 | ITS-3 | ITS-4 | ITS-5 | ITS-6 | ITS-7 | ITS-8 | ITS-9 | ITS-10 | ITS-11 | ITS-12 | ITS-13 | ITS-14 | ITS-15 | ITS-16 | ITS-17 | ITS-18 | TOTALS |
|--------------|---|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 907-630-M001 | PEDESTAL SIGN SUPPORT, ASSEMBLY NO 1, CONTRACTOR DESIGNED | LS | | | | | | 1 | | | | | | | | | | | | | | | | | | 1 |
| 907-630-M002 | PEDESTAL SIGN SUPPORT, ASSEMBLY NO 2, CONTRACTOR DESIGNED | LS | | | | | | | | | | 1 | | | | | | | | | | | | | | 1 |
| 907-630-M006 | PEDESTAL SIGN SUPPORT, ASSEMBLY NO 3, CONTRACTOR DESIGNED | LS | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 |
| 907-637-A001 | EQUIPMENT CABINET, TYPE B | EA | | | | | | 1 | | | | | 1 | | | | | | | | | | | | | 1 |
| 907-637-A002 | EQUIPMENT CABINET, TYPE C | EA | | | | | | 1 | | | | | | | | | | | | | | | | | | 1 |
| 907-639-A009 | TRAFFIC SIGNAL EQUIPMENT POLE, TYPE II, 17' SHAFT, 60' ARM | EA | | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | 3 |
| 907-639-A018 | TRAFFIC SIGNAL EQUIPMENT POLE, TYPE II, 17' SHAFT, 65' ARM | EA | | | | | | | | | | | | | | | | | | | | | | | | 3 |
| 907-639-A019 | TRAFFIC SIGNAL EQUIPMENT POLE, TYPE II, 17' SHAFT, 70' ARM | EA | 1 | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 907-639-A066 | TRAFFIC SIGNAL EQUIPMENT POLE, TYPE III, 17' SHAFT, 45' & 55' ARMS | EA | | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 907-639-A073 | TRAFFIC SIGNAL EQUIPMENT POLE, TYPE III, 17' SHAFT, 60' & 65' ARMS | EA | | | 1 | | | | | | | | | | | | | | | | | | | | | 1 |
| 907-639-A089 | TRAFFIC SIGNAL EQUIPMENT POLE, TYPE III, 17' SHAFT, 50' & 55' ARMS | EA | | 1 | | | | | | | | | | | | | | | | | | | | | | 1 |
| 907-639-A106 | TRAFFIC SIGNAL EQUIPMENT POLE, TYPE III, 17' SHAFT, 45' & 60' ARMS | EA | 1 | | | | | | | | | | | | | | | | | | | | | | | 1 |
| 907-639-C002 | POLE FOUNDATIONS, 36" DIAMETER | CY | 8 | 8 | 8 | 12 | 8 | | | | | | | | | | | | | | | | | | | 44 |
| 907-639-E001 | CAMERA POLE WITH FOUNDATION, 50' POLE | EA | | | | | | 1 | | | | | 1 | | | | | | | | | | | | | 1 |
| 640-A016 | TRAFFIC SIGNAL HEADS, TYPE 1 LED | EA | 6 | 6 | 6 | 6 | 6 | | | | | | | | | | | | | | | | | | | 30 |
| 640-A056 | TRAFFIC SIGNAL HEADS, TYPE 2 FVA LED | EA | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | 5 |
| 642-A008 | SOLID STATE TRAFFIC ACTUATED CONTROLLERS, TYPE 8A | EA | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | 5 |
| 647-A002 | PULLBOX, TYPE 3 | EA | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | 5 |
| 647-A003 | PULLBOX, TYPE 4 | EA | | | | | | 2 | | 1 | 1 | 1 | 2 | 2 | 2 | 5 | 3 | 1 | 3 | 2 | 4 | 4 | 3 | 1 | 1 | 33 |
| 647-A004 | PULLBOX, TYPE 5 | EA | | | | | | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 24 |
| 647-A005 | PULLBOX, TYPE 2 | EA | 2 | 2 | 2 | 3 | 3 | 3 | | | | | | | | | | | | | | | | | | 30 |
| 907-649-A004 | VIDEO DETECTION SYSTEM, 1 SENSOR, TYPE 2 | EA | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | | 5 |
| 907-649-D002 | MULTI-SENSOR DETECTION SYSTEM, 1 SENSOR | EA | 2 | 2 | 2 | 2 | 2 | | | | | | | | | | | | | | | | | | | 10 |
| 907-660-A002 | ON STREET VIDEO EQUIPMENT, FIXED TYPE | EA | | | | | | 1 | | | | | | | | | | | | | | | | | | 14 |
| 907-660-A003 | ON STREET VIDEO EQUIPMENT, PTZ TYPE | EA | | | | | | 1 | | | | | | | | | | | | | | | | | | 8 |
| 663-B001 | STREET NAME SIGN, ENCAPSULATED LENS | SF | 6.75 | 6.75 | 5.25 | 5.25 | 6 | | | | | | | | | | | | | | | | | | | 30 |
| 907-666-A002 | DYNAMIC MESSAGE SIGN, TYPE 2 | EA | | | | | | 1 | | | | | | | | | | | | | | | | | | 3 |
| 907-667-A001 | FIBER OPTIC CABLE, 72 SM | LF | | | | | | 2745 | 1190 | 2430 | 3330 | 2627 | 3652 | 3399 | 3303 | 3380 | 3363 | 3213 | 3390 | 3491 | 3513 | 3412 | 3410 | 3357 | 2463 | 55668 |
| 907-667-B001 | FIBER OPTIC DROP CABLE, 12 SM | LF | | | | | | 510 | 40 | | | 10 | | 115 | 1732 | | 355 | 450 | 460 | | | 1702 | 400 | 150 | 550 | 6014 |
| 907-668-A005 | NETWORK SWITCH, TYPE A | EA | 1 | 1 | 1 | 1 | 1 | 1 | | | | 1 | 1 | 1 | 1 | | 1 | 1 | | | | 1 | | 1 | | 13 |
| 907-668-A008 | NETWORK SWITCH, TYPE D | EA | | | | | | 1 | | | | | | | | | | | | | | | | | | 4 |
| 907-668-B001 | TERMINAL SERVER | EA | | | | | | 1 | | | | 1 | | 1 | 1 | | | | | | | 1 | | 1 | | 8 |
| 666-B027 | ELECTRIC CABLE UNDERGROUND IN CONDUIT, THHN, AWG #2, 3 CONDUCTOR | LF | 413 | | | 325 | 415 | | | | | | | | | | | | | | | | | | | 1503 |
| 666-B028 | ELECTRIC CABLE UNDERGROUND IN CONDUIT, THHN, AWG #6, 3 CONDUCTOR | LF | | | 160 | | | 890 | | | | 422 | | 824 | 325 | | 1358 | | 1220 | | | 331 | | 365 | | 3317 |
| 666-B033 | ELECTRIC CABLE UNDERGROUND IN CONDUIT, IMSA 20-1, AWG 4, 3 CONDUCTOR | LF | | | | | | 400 | | | | | | | | | 465 | | | | | | 415 | 345 | | 2578 |
| 666-B034 | ELECTRIC CABLE UNDERGROUND IN CONDUIT, IMSA 20-1, AWG 1/0, 4 CONDUCTOR | LF | | | | | | | | | | | | | | | | | | | | | | | | 1625 |
| 666-B054 | ELECTRIC CABLE UNDERGROUND IN CONDUIT, IMSA 20-1, AWG 14, 8 CONDUCTOR | LF | 573 | 423 | 653 | 562 | 576 | | | | | | | | | | | | | | | | | | | 2807 |
| 666-B058 | ELECTRIC CABLE UNDERGROUND IN CONDUIT, THHN, AWG #1, 3 CONDUCTOR | LF | | | | | | | | | | | | | | | | | | | | | | | | 508 |
| 668-A018 | TRAFFIC SIGNAL CONDUIT, UNDERGROUND, TYPE 4, 2" | LF | 77 | 60 | 55 | 74 | 56 | | | | | | | | | | | | | | | | | | | 322 |
| 668-A020 | TRAFFIC SIGNAL CONDUIT, UNDERGROUND, TYPE 4, 3" | LF | 26 | 24 | 24 | 30 | 45 | | | | | | | | | | | | | | | | | | | 149 |
| 668-A029 | TRAFFIC SIGNAL CONDUIT, UNDERGROUND, ROLLED PIPE, 2" | LF | | | | | | 20 | 40 | | | 10 | | 115 | 325 | | 300 | | 770 | | | | | | | 2005 |
| 668-B024 | TRAFFIC SIGNAL CONDUIT, UNDERGROUND DRILLED OR JACKED, ROLLED PIPE, 2" | LF | | | | | | | | | | 422 | | 824 | 1432 | | | | | | | | | | | 6401 |
| 668-B025 | TRAFFIC SIGNAL CONDUIT, UNDERGROUND DRILLED OR JACKED, ROLLED PIPE, 3" | LF | 560 | 690 | 263 | 635 | 615 | | | | | | | | | | | | | | | | | | | 2783 |
| 907-668-E002 | TRAFFIC SIGNAL CONDUIT BANK, UNDERGROUND, ROLLED PIPE, 2 @ 2" | LF | | | | | | 1660 | 1190 | 1175 | 1970 | 1510 | 2720 | 2217 | 1373 | 1340 | 1813 | 3213 | 2560 | 1511 | 745 | 1555 | 3296 | 1095 | 1175 | 32118 |
| 907-668-F002 | TRAFFIC SIGNAL CONDUIT, UNDERGROUND, DRILLED OR JACKED, ROLLED PIPE 2@ 2" | LF | | | | | | 1975 | | 1255 | 1360 | 1117 | 932 | 1182 | 1930 | 2040 | 2055 | 1280 | 1280 | 1980 | 2768 | 1857 | 264 | 2412 | 1288 | 25695 |
| 907-670-A001 | ITS RADAR DETECTION SYSTEM | EA | | | | | | 1 | | | | 1 | | 1 | 1 | | 1 | | | | | 1 | | 1 | | 8 |

| | | | |
|------------------------------|-----|------|----------|
| BY | JMR | DATE | 08/05/16 |
| REVISION | | DATE | |
| UPDATED QUANTITY & PAY ITEMS | | DATE | |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ESTIMATED QUANTITIES
SIGNAL AND ITS EQUIPMENT

COUNTY: DESOTO
 PROJ. NUM.: STP-0029-02(017)
 FILENAME: EQ-4.DGN
 DESIGN TEAM: STANTEC CHECKED: _____ DATE: _____

WORKING NUMBER
EQ-4
 SHEET NUMBER
26

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
STANDARD ROADSIDE SIGN QUANTITIES
I-269 / SR304 RELOCATION
FROM I-55 TO SR 305

COUNTY: DESOTO
 PROJ. NUM.: STP-0029-02(017)
 FILENAME: SRS-1B.DGN
 DESIGN: TEAMMICHAEL BAKER/CHECKED

WORKING NUMBER: SRS-1B
 SHEET NUMBER: 32

DATE: _____ JBM DATE: 2015

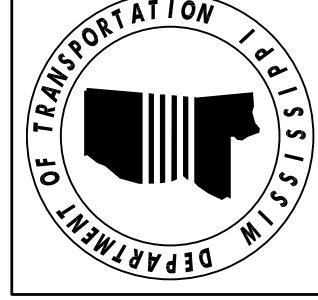
| 8-5-16 | REVISION | DATE |
|--------|----------|------|
| | | |
| | | |
| | | |
| | | |

| SHEET NUMBER | CODE LETTER THIS SHEET | STANDARD ROADSIDE SIGNS TO BE MOUNTED | STANDARD PIPE | | | U-SECTION POST | | | STRUCTURAL STEEL BARS | | | FOOTING CLASS "B" CONCRETE |
|--------------|------------------------|--|---------------|--------|--------|----------------|-------|--------|-----------------------|------|--|----------------------------|
| | | | 3" | 3 1/2" | 4" | 5" | 2-P | 3-P | 1/6" X 2 1/2" | | | |
| PSP-15 | A | R6-2R | 12.50 | 14.13 | 12.00 | | | | | | | |
| PSP-15 | B | SN7478, SN7304 | | | | | | | | | | |
| PSP-15 | C | D10-1 | 12.00 | | | | | | | | | |
| PSP-15 | D | W4-1R | 15.47 | | | | | | | | | |
| PSP-15 | E | W13-2 | 16.13 | | | | | | | | | |
| PSP-15 | F | D10-1 | 12.00 | | | | | | | | | |
| PSP-15 | G | W3-3 | 15.47 | | | | | | | | | |
| PSP-15 | SUBTOTAL FOR PSP-15 | | | | | | | | | | | |
| PSP-15 | | | 0.00 | 0.00 | 47.07 | 0.00 | 0.00 | 50.63 | 17.83 | 0.39 | | |
| PSP-16 | A | M2-1(I), M1-1, M2-1, M1-5 | 14.17 | | | | | | | | | |
| PSP-16 | B | W3-3 | 13.96 | | | | | | | | | |
| PSP-16 | C | M3-3(I), M1-1, M6-3(I), M3-4(I), M1-5, M6-3(I) | 20.79 | | | | | | | | | |
| PSP-16 | D | M3-1(I), M1-1, M6-2(R), M3-2(I), M1-5, M6-2(R) | 20.79 | | | | | | | | | |
| PSP-16 | E | M3-3(I), M1-1, M6-1L(I), M3-4(I), M1-5, M6-1L(I) | 15.29 | | | | | | | | | |
| PSP-16 | F | M3-1(I), M1-1, M6-3(I), M3-2(I), M1-5, M6-3(I) | 20.79 | | | | | | | | | |
| PSP-16 | G | W3-3 | 13.96 | | | | | | | | | |
| PSP-16 | H | M2-1(I), M1-1, M2-1, M1-5 | 14.17 | | | | | | | | | |
| PSP-16 | SUBTOTAL FOR PSP-16 | | | | | | | | | | | |
| PSP-16 | | | 58.92 | 0.00 | 41.58 | 0.00 | 66.04 | 27.92 | 42.66 | 0.74 | | |
| PSP-17 | A | W3-3 | 15.47 | | | | | | | | | |
| PSP-17 | B | W13-2 | 16.13 | | | | | | | | | |
| PSP-17 | C | W4-1R | 15.47 | | | | | | | | | |
| PSP-17 | D | SN 7478, SN 7304 | | | | | | | | | | |
| PSP-17 | E | W8-13 | 15.47 | | | | | | | | | |
| PSP-17 | F | D10-1 | 12.00 | | | | | | | | | |
| PSP-17 | G | M3-1(I), M1-1, M3-2(I), M1-5 | 15.04 | | | | | | | | | |
| PSP-17 | H | R11-1 | 16.13 | | | | | | | | | |
| PSP-17 | I | W8-13 | 15.47 | | | | | | | | | |
| PSP-17 | J | R2-4A | 19.50 | | | | | | | | | |
| PSP-17 | SUBTOTAL FOR PSP-17 | | | | | | | | | | | |
| PSP-17 | | | 0.00 | 0.00 | 47.07 | 0.00 | 0.00 | 26.63 | 17.83 | 0.39 | | |
| PSP-18 | A | D10-1 | 12.00 | | | | | | | | | |
| PSP-18 | B | W8-13 | 15.47 | | | | | | | | | |
| PSP-18 | C | W4-1R | 15.47 | | | | | | | | | |
| PSP-18 | D | R2-4A | 19.50 | | | | | | | | | |
| PSP-18 | E | W8-13 | 15.47 | | | | | | | | | |
| PSP-18 | F | R11-1 | 16.13 | | | | | | | | | |
| PSP-18 | G | M3-1(I), M1-1, M3-2(I), M1-5 | 15.04 | | | | | | | | | |
| PSP-18 | H | R11-1 | 16.13 | | | | | | | | | |
| PSP-18 | I | W8-13 | 15.47 | | | | | | | | | |
| PSP-18 | J | R2-4A | 19.50 | | | | | | | | | |
| PSP-18 | SUBTOTAL FOR PSP-18 | | | | | | | | | | | |
| PSP-18 | | | 0.00 | 0.00 | 117.67 | 0.00 | 8.50 | 24.00 | 63.34 | 1.03 | | |
| PSP-19 | A | W8-13 | 15.47 | | | | | | | | | |
| PSP-19 | B | M3-3(I), M1-1, M3-4(I), M1-5 | 15.04 | | | | | | | | | |
| PSP-19 | SUBTOTAL FOR PSP-19 | | | | | | | | | | | |
| PSP-19 | | | 0.00 | 0.00 | 15.47 | 0.00 | 8.50 | 0.00 | 14.00 | 0.25 | | |
| PSP-20 | A | R6-2R | 12.50 | | | | | | | | | |
| PSP-20 | B | D10-1 | 12.00 | | | | | | | | | |
| PSP-20 | C | SN 7478, SN 7304 | | | | | | | | | | |
| PSP-20 | D | W4-1R | 15.47 | | | | | | | | | |
| PSP-20 | E | W13-2 | 16.13 | | | | | | | | | |
| PSP-20 | F | D10-1 | 12.00 | | | | | | | | | |
| PSP-20 | SUBTOTAL FOR PSP-20 | | | | | | | | | | | |
| PSP-20 | | | 0.00 | 0.00 | 31.60 | 0.00 | 0.00 | 50.63 | 12.67 | 0.26 | | |
| SHEET TOTALS | | | | | | | | | | | | |
| | | | 58.92 | 30.08 | 300.46 | 0.00 | 83.04 | 179.81 | 626.21 | 3.06 | | |

ADDENDUM

PROJECT NO. STP-0029-02(017)
 STATE MISS.

FMS COM: 102556/319000



WORKING NUMBER
SRS-1E
SHEET NUMBER
35

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
**STANDARD ROADSIDE
SIGN QUANTITIES**
**I-269 / SR304 RELOCATION
FROM I-55 TO SR 305**
COUNTY: DESOTO
PROJ. NUM.: STP-0029-02(017)
FILENAME: SRS-1E.DGN
DESIGN TEAM: MICHAEL BAKER/CHECKED JBM DATE 2015

| | | | |
|---------|--------------------|-----|----|
| 8-05-16 | REVISED QUANTITIES | R/S | BY |
| | REVISION | | |

STANDARD ROADSIDE SIGN ASSEMBLIES REQUIRED

| SHEET NUMBER | CODE LETTER | STANDARD ROADSIDE SIGNS TO BE MOUNTED | 3" | | 3 1/2" | | 4" | | 5" | | 2-P | | 3-P | | FOOTING CLASS # CONCRETE |
|--|-------------|---------------------------------------|---------|----------|---------|----------|----------|----------|---------|----------|----------|----------|---------|----------|-----------------------------|
| | | | LN. FT. | CU. YDS. | LN. FT. | CU. YDS. | LN. FT. | CU. YDS. | LN. FT. | CU. YDS. | LN. FT. | CU. YDS. | LN. FT. | CU. YDS. | |
| PSD-1 | A | R1-2 | 50.12 | (12.53) | | | | | | | | | | | |
| | B | R5-1, R1-2 | 50.12 | (13.67) | | | | | | | | | | | |
| | C | R5-1, R6-1L, R6-1R | 59.20 | (14.80) | | | | | | | | | | | |
| | D | R5-1, R6-1L, R6-1R | 59.20 | (14.80) | | | | | | | | | | | |
| | E | R5-9 | 18.66 | (0.48) | | | | | | | | | | | |
| | EE | R5-9 | 18.66 | (0.48) | | | | | | | | | | | |
| SUBTOTAL FOR PSD-1 | | | 0.00 | | 104.24 | (13.03) | 0.00 | | 0.00 | | 218.64 | 37.33 | (0.12) | 0.96 | |
| MULTIPLY BY 4 INTERSECTIONS (NB & SB INTERCHANGE RAMPS AT GETWELL RD. & CRAFT RD.) | | | | | | | | | | | | | | | |
| PSD-2 | A | R1-2 | 25.06 | (12.53) | | | | | | | | | | | |
| | B | R5-1, R1-2 | 27.34 | (13.67) | | | | | | | | | | | |
| | C | R5-1, R6-1L, R6-1R, R1-1 | 29.60 | (14.80) | | | | | | | | | | | |
| | D | R5-1, R6-1L, R6-1R, R1-1 | 29.60 | (14.80) | | | | | | | | | | | |
| | E | R5-9 | 26.06 | (0.24) | | | | | | | | | | | |
| | EE | R5-9 | 26.06 | (0.24) | | | | | | | | | | | |
| SUBTOTAL FOR PSD-2 | | | 0.00 | | 52.12 | (13.03) | 0.00 | | 0.00 | | 111.60 | 18.66 | (0.12) | 0.48 | |
| MULTIPLY BY 2 INTERSECTIONS (NB & SB INTERCHANGE RAMPS AT LAUGHTER RD.) | | | | | | | | | | | | | | | |
| PSD-3 | A | R5-1, R1-2 | 13.67 | | | | | | | | | | | | |
| | B | R5-1, R6-1L, R6-1R | 14.80 | | | | | | | | | | | | |
| | C | R5-1, R6-1L, R6-1R | 14.80 | | | | | | | | | | | | |
| | D | R5-9 | 13.03 | | | | | | | | | | | | |
| | DD | R5-9 | 13.03 | | | | | | | | | | | | |
| SUBTOTAL FOR PSD-3 | | | 0.00 | | 26.06 | (0.00) | 0.00 | | 0.00 | | 43.27 | 9.33 | (0.12) | 0.24 | |
| MULTIPLY BY 1 INTERSECTION (NB INTERCHANGE RAMP AT SR 305) | | | | | | | | | | | | | | | |
| TOTAL THIS SHEET (SRS-1E) | | | 0.00 | | 182.42 | | 0.00 | | 0.00 | | 373.51 | 65.32 | | 1.68 | |
| TOTAL SHEET SRS-1A | | | 0.00 | | 30.08 | | 0.00 | | 0.00 | | 179.81 | 183.51 | | 2.97 | |
| TOTAL SHEET SRS-1B | | | 58.92 | | 30.08 | | 0.00 | | 0.00 | | 83.04 | 682.65 | | 3.06 | |
| TOTAL SHEET SRS-1C | | | 117.84 | | 30.08 | | 0.00 | | 0.00 | | 149.08 | 729.43 | | 3.54 | |
| TOTAL SHEET SRS-1D | | | 74.21 | | 30.08 | | 0.00 | | 0.00 | | 91.83 | 522.05 | | 2.40 | |
| GRAND TOTALS SHEETS SRS-1A, SRS-1B, SRS-1C, SRS-1D & SRS-1E | | | 250.97 | | 302.74 | | 1.166.89 | | 0.00 | | 1,531.72 | 2,803.32 | | 13.65 | |

STATE PROJECT NO.
MISS. STP-0029-02(017)

FMS COM: 102556/319000

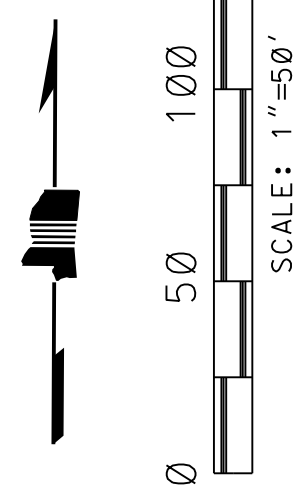
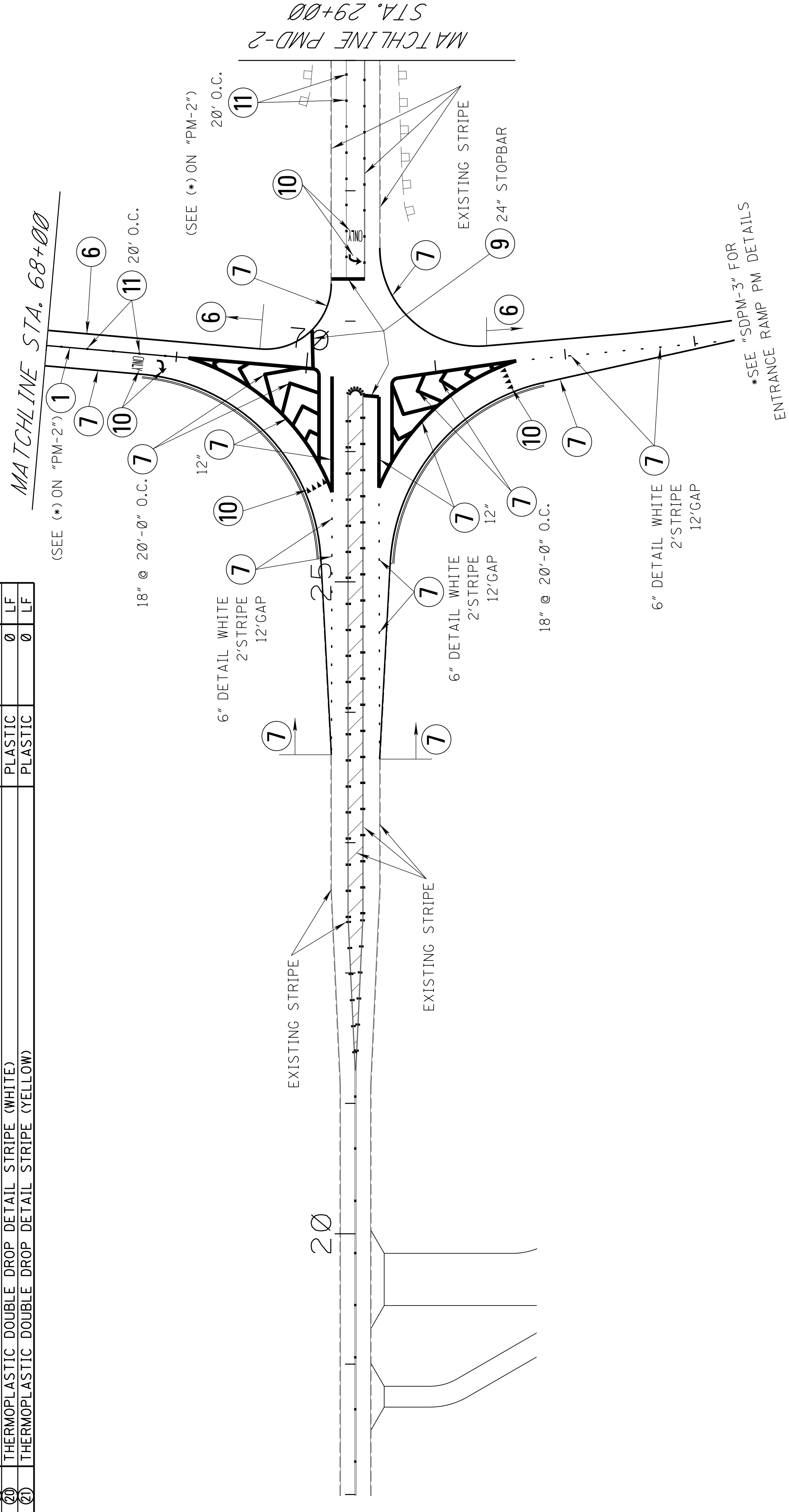
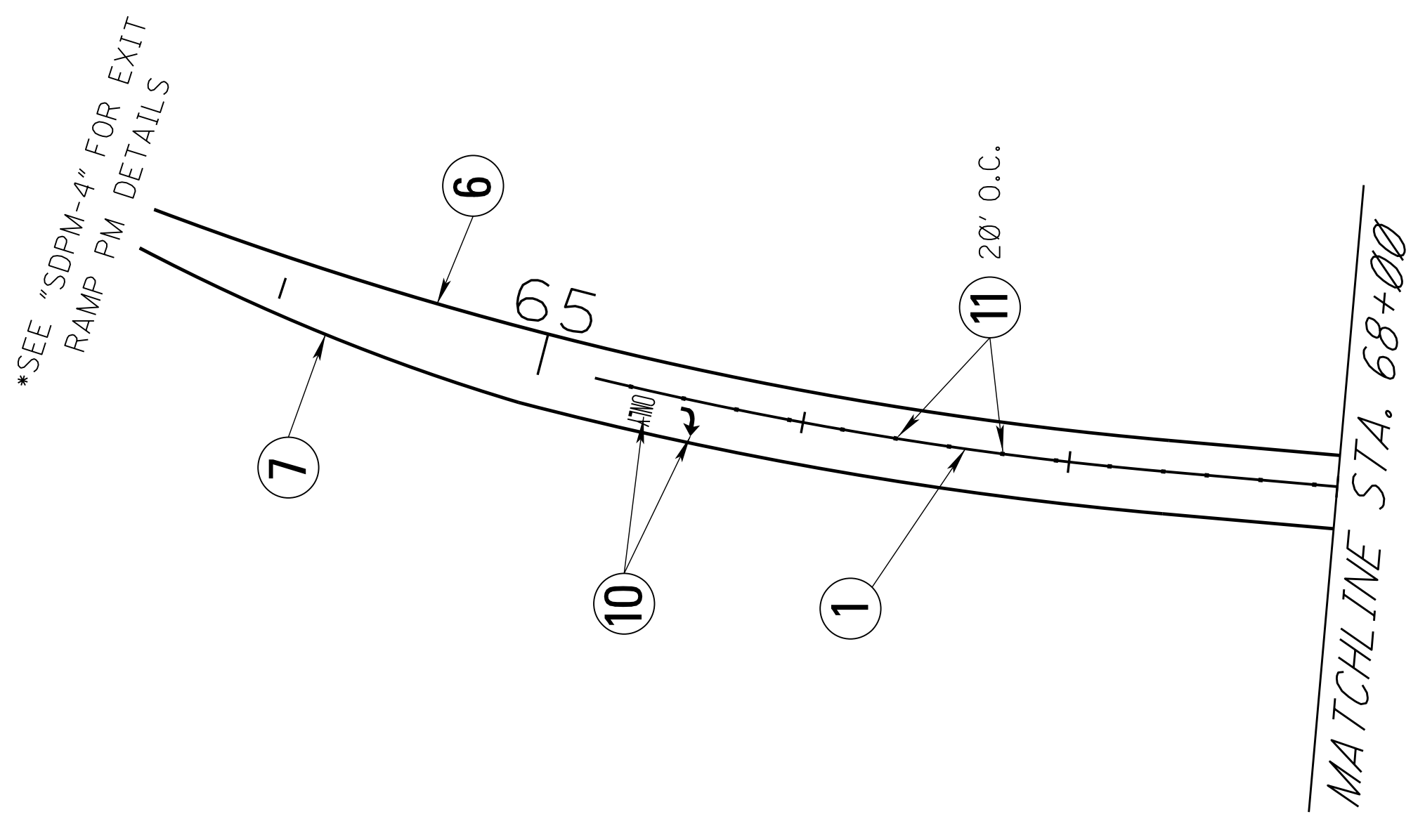
ADDENDUM

| | |
|-------|------------------|
| STATE | PROJECT NO. |
| MISS. | STP-0029-02(017) |

PAVEMENT MARKING

| SYMBOL | DESCRIPTION | TYPE | QUANTITY | UNIT |
|--------|--|---------|----------|------|
| 1 | TRAFFIC STRIPE (CONT. WHITE) | PLASTIC | 388 | LF |
| 2 | TRAFFIC STRIPE (CONT. YELLOW) | PLASTIC | 0 | LF |
| 3 | TRAFFIC STRIPE (SKIP WHITE) | PLASTIC | 0 | LF |
| 4 | TRAFFIC STRIPE (SKIP YELLOW) | PLASTIC | 0 | LF |
| 5 | EDGE STRIPE (CONT. WHITE) | PLASTIC | 803 | LF |
| 6 | EDGE STRIPE (CONT. YELLOW) | PLASTIC | 4289 | LF |
| 7 | DETAIL STRIPE (WHITE) | PLASTIC | 0 | LF |
| 8 | DETAIL STRIPE (YELLOW) | PLASTIC | 270 | LF |
| 9 | LEGEND (WHITE)(24" STOPBAR) | PLASTIC | 140 | SF |
| 10 | LEGEND (WHITE) | PLASTIC | 27 | EA |
| 11 | HIGH PERFORMANCE RED-CLEAR REFLECTIVE RAISED MARKERS | --- | 0 | EA |
| 12 | HIGH PERFORMANCE TWO-WAY YELLOW REFLEC. RAISED MARKER | --- | 0 | EA |
| 13 | JIGGLE MARKERS | --- | 0 | EA |
| 14 | 6" THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE (CONT. WHITE) | PLASTIC | 0 | LF |
| 15 | 6" THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE (CONT. YELLOW) | PLASTIC | 0 | LF |
| 16 | 6" THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE (SKIP WHITE) | PLASTIC | 0 | LF |
| 17 | 6" THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE (SKIP YELLOW) | PLASTIC | 0 | LF |
| 18 | 6" THERMOPLASTIC DOUBLE DROP EDGE STRIPE (CONT. WHITE) | PLASTIC | 0 | LF |
| 19 | 6" THERMOPLASTIC DOUBLE DROP EDGE STRIPE (CONT. YELLOW) | PLASTIC | 0 | LF |
| 20 | THERMOPLASTIC DOUBLE DROP DETAIL STRIPE (WHITE) | PLASTIC | 0 | LF |
| 21 | THERMOPLASTIC DOUBLE DROP DETAIL STRIPE (YELLOW) | PLASTIC | 0 | LF |

- NOTE:
1. 12", 18", AND 24" QUANTITIES ARE MEASURED IN 6" EQUIVALENT LENGTHS.
 2. SEE "EQ-2" FOR QUANTITIES.
 3. DOUBLE DROP THERMOPLASTIC TRAFFIC STRIPE TO BE USED IN BRIDGE SECTION OR CONC. PAVEMENT.



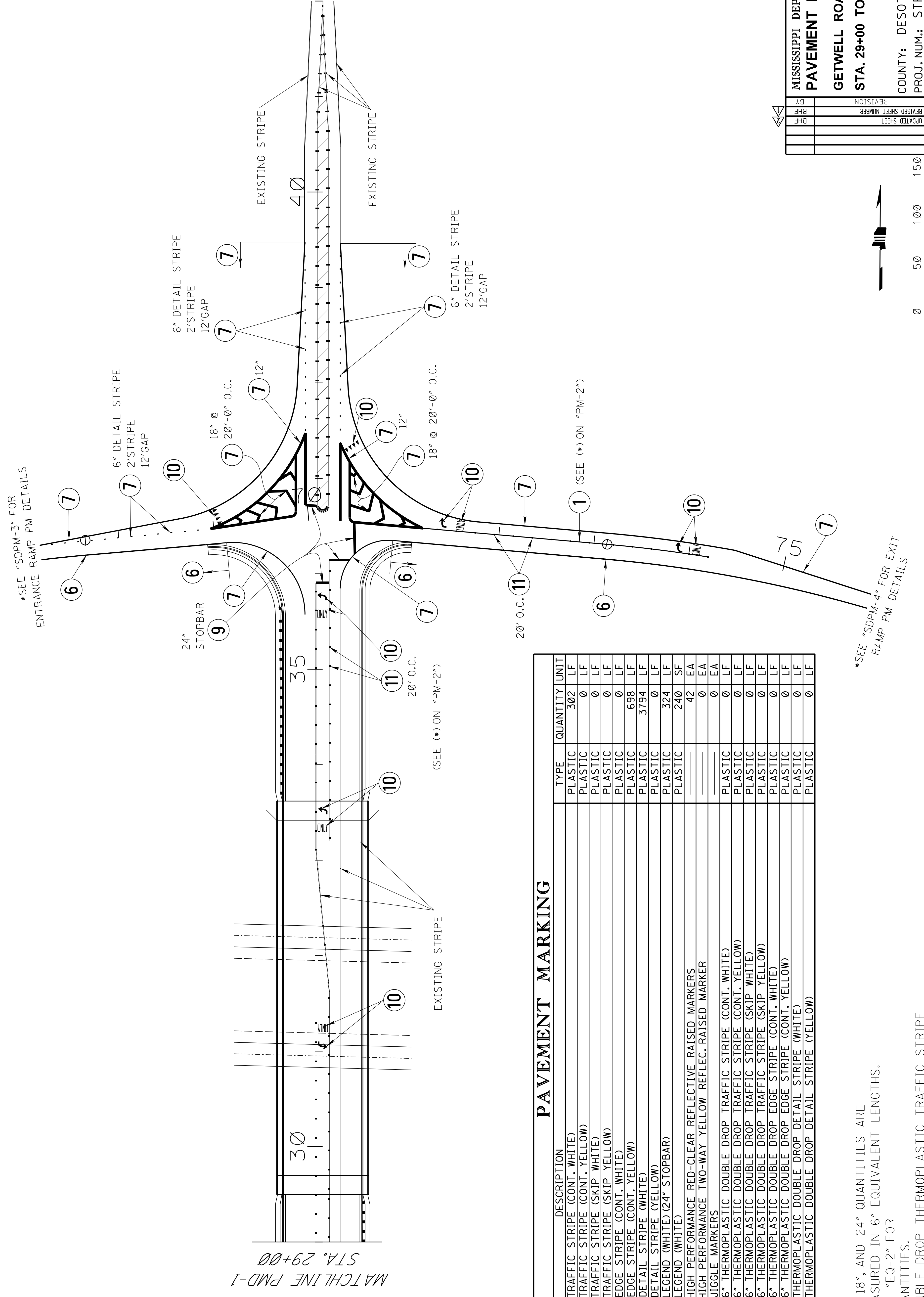
| | | |
|----------|-----|----------------------|
| DATE | BY | REVISION |
| 08/05/16 | BHF | UPDATED SHEET |
| 06/15/16 | BHF | REVISED SHEET NUMBER |
| | | |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING DETAIL
GETWELL ROAD
STA. 18+00 TO STA. 29+00

COUNTY: DESOTO
 PROJ. NUM.: STP-0029-02(017)
 FILENAME: PMD-1_GETWELL_1.DGN
 DESIGN TEAM: STANTEC CHECKED: DATE: 2015

WORKING NUMBER: **PMD-1**
 SHEET NUMBER: **188**

| | |
|-------|------------------|
| STATE | PROJECT NO. |
| MISS. | STP-0029-02(017) |



PAVEMENT MARKING

| SYMBOL | DESCRIPTION | TYPE | QUANTITY | UNIT |
|--------|--|---------|----------|------|
| (1) | TRAFFIC STRIPE (CONT. WHITE) | PLASTIC | 302 | LF |
| (2) | TRAFFIC STRIPE (CONT. YELLOW) | PLASTIC | 0 | LF |
| (3) | TRAFFIC STRIPE (SKIP WHITE) | PLASTIC | 0 | LF |
| (4) | TRAFFIC STRIPE (SKIP YELLOW) | PLASTIC | 0 | LF |
| (5) | EDGE STRIPE (CONT. WHITE) | PLASTIC | 698 | LF |
| (6) | EDGE STRIPE (CONT. YELLOW) | PLASTIC | 3794 | LF |
| (7) | DETAIL STRIPE (WHITE) | PLASTIC | 0 | LF |
| (8) | DETAIL STRIPE (YELLOW) | PLASTIC | 324 | LF |
| (9) | LEGEND (WHITE) (24" STOPBAR) | PLASTIC | 240 | SF |
| (10) | LEGEND (WHITE) | --- | 42 | EA |
| (11) | HIGH PERFORMANCE RED-CLEAR REFLECTIVE RAISED MARKERS | --- | 0 | EA |
| (12) | HIGH PERFORMANCE TWO-WAY YELLOW REFLEC. RAISED MARKER | --- | 0 | EA |
| (13) | JIGGLE MARKERS | --- | 0 | EA |
| (14) | 6" THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE (CONT. WHITE) | PLASTIC | 0 | LF |
| (15) | 6" THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE (CONT. YELLOW) | PLASTIC | 0 | LF |
| (16) | 6" THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE (SKIP WHITE) | PLASTIC | 0 | LF |
| (17) | 6" THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE (SKIP YELLOW) | PLASTIC | 0 | LF |
| (18) | 6" THERMOPLASTIC DOUBLE DROP EDGE STRIPE (CONT. WHITE) | PLASTIC | 0 | LF |
| (19) | 6" THERMOPLASTIC DOUBLE DROP EDGE STRIPE (CONT. YELLOW) | PLASTIC | 0 | LF |
| (20) | THERMOPLASTIC DOUBLE DROP DETAIL STRIPE (WHITE) | PLASTIC | 0 | LF |
| (21) | THERMOPLASTIC DOUBLE DROP DETAIL STRIPE (YELLOW) | PLASTIC | 0 | LF |

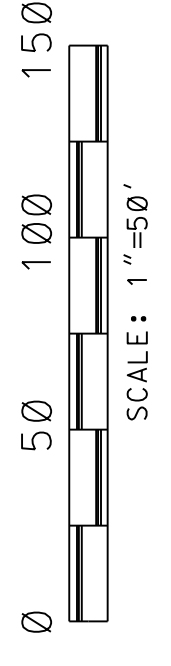
- NOTE:
- 12", 18", AND 24" QUANTITIES ARE MEASURED IN 6" EQUIVALENT LENGTHS.
 - SEE "EQ-2" FOR QUANTITIES.
 - DOUBLE DROP THERMOPLASTIC TRAFFIC STRIPE TO BE USED IN BRIDGE SECTION OR CONC. PAVEMENT.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING DETAIL
GETWELL ROAD
STA. 29+00 TO STA. 42+00

COUNTY: DESOTO
 PROJ. NUM.: STP-0029-02(017)
 FILENAME: PMD-2_GETWELL_2.DGN
 DESIGN TEAM: STANTEC CHECKED: DATE: 2015

WORKING NUMBER: **PMD-2**
 SHEET NUMBER: **189**

| | | |
|----------|----------------------|-----|
| DATE | REVISION | BY |
| 06/15/16 | REVISED SHEET NUMBER | BHF |
| 08/05/16 | UPDATED SHEET | BHF |

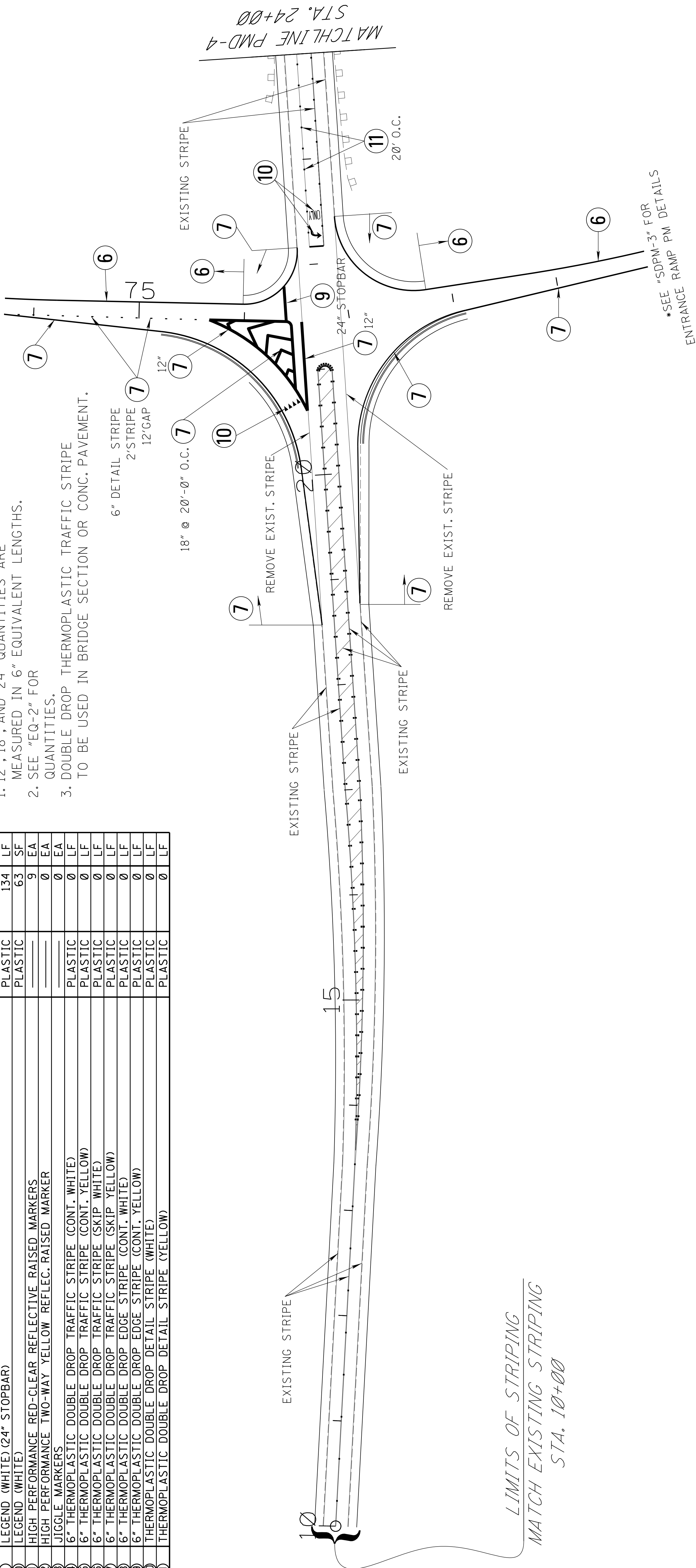


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|-------|------------------|
| STATE | PROJECT NO. |
| MISS. | STP-0029-02(017) |

PAVEMENT MARKING

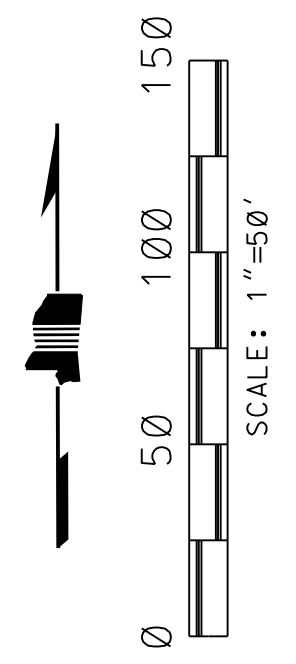
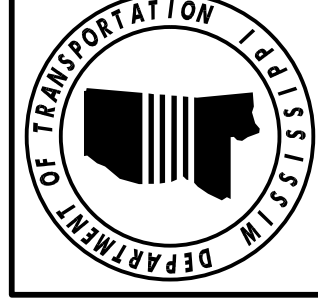
| SYMBOL | DESCRIPTION | TYPE | QUANTITY | UNIT |
|--------|--|---------|----------|------|
| (1) | TRAFFIC STRIPE (CONT. WHITE) | PLASTIC | 0 | LF |
| (2) | TRAFFIC STRIPE (CONT. YELLOW) | PLASTIC | 0 | LF |
| (3) | TRAFFIC STRIPE (SKIP WHITE) | PLASTIC | 0 | LF |
| (4) | TRAFFIC STRIPE (SKIP YELLOW) | PLASTIC | 0 | LF |
| (5) | EDGE STRIPE (CONT. WHITE) | PLASTIC | 0 | LF |
| (6) | EDGE STRIPE (CONT. YELLOW) | PLASTIC | 437 | LF |
| (7) | DETAIL STRIPE (WHITE) | PLASTIC | 2375 | LF |
| (8) | DETAIL STRIPE (YELLOW) | PLASTIC | 134 | LF |
| (9) | LEGEND (WHITE) (24" STOPBAR) | PLASTIC | 63 | SF |
| (10) | LEGEND (WHITE) | --- | 9 | EA |
| (11) | HIGH PERFORMANCE RED-CLEAR REFLECTIVE RAISED MARKERS | --- | 0 | EA |
| (12) | HIGH PERFORMANCE TWO-WAY YELLOW RELEC. RAISED MARKER | --- | 0 | EA |
| (13) | JIGGLE MARKERS | --- | 0 | EA |
| (14) | 6" THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE (CONT. WHITE) | PLASTIC | 0 | LF |
| (15) | 6" THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE (CONT. YELLOW) | PLASTIC | 0 | LF |
| (16) | 6" THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE (SKIP WHITE) | PLASTIC | 0 | LF |
| (17) | 6" THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE (SKIP YELLOW) | PLASTIC | 0 | LF |
| (18) | 6" THERMOPLASTIC DOUBLE DROP EDGE STRIPE (CONT. WHITE) | PLASTIC | 0 | LF |
| (19) | 6" THERMOPLASTIC DOUBLE DROP EDGE STRIPE (CONT. YELLOW) | PLASTIC | 0 | LF |
| (20) | THERMOPLASTIC DOUBLE DROP DETAIL STRIPE (WHITE) | PLASTIC | 0 | LF |
| (21) | THERMOPLASTIC DOUBLE DROP DETAIL STRIPE (YELLOW) | PLASTIC | 0 | LF |

NOTE:
 1. 12", 18", AND 24" QUANTITIES ARE MEASURED IN 6" EQUIVALENT LENGTHS.
 2. SEE "EQ-2" FOR QUANTITIES.
 3. DOUBLE DROP THERMOPLASTIC TRAFFIC STRIPE TO BE USED IN BRIDGE SECTION OR CONC. PAVEMENT.



*SEE "SDPM-3" FOR ENTRANCE RAMP PM DETAILS

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| MISSISSIPPI DEPARTMENT OF TRANSPORTATION | |
| PAVEMENT MARKING DETAIL | |
| LAUGHTER ROAD | |
| STA. 10+00 TO STA. 24+00 | |
| COUNTY: DESOTO | WORKING NUMBER: PMD-3 |
| PROJ. NUM.: STP-0029-02(017) | SHEET NUMBER: 190 |
| FILENAME: PMD-3-LAUGHTER_1.DGN | DATE: 2015 |
| DESIGN TEAM: STANTEC | CHECKED: |



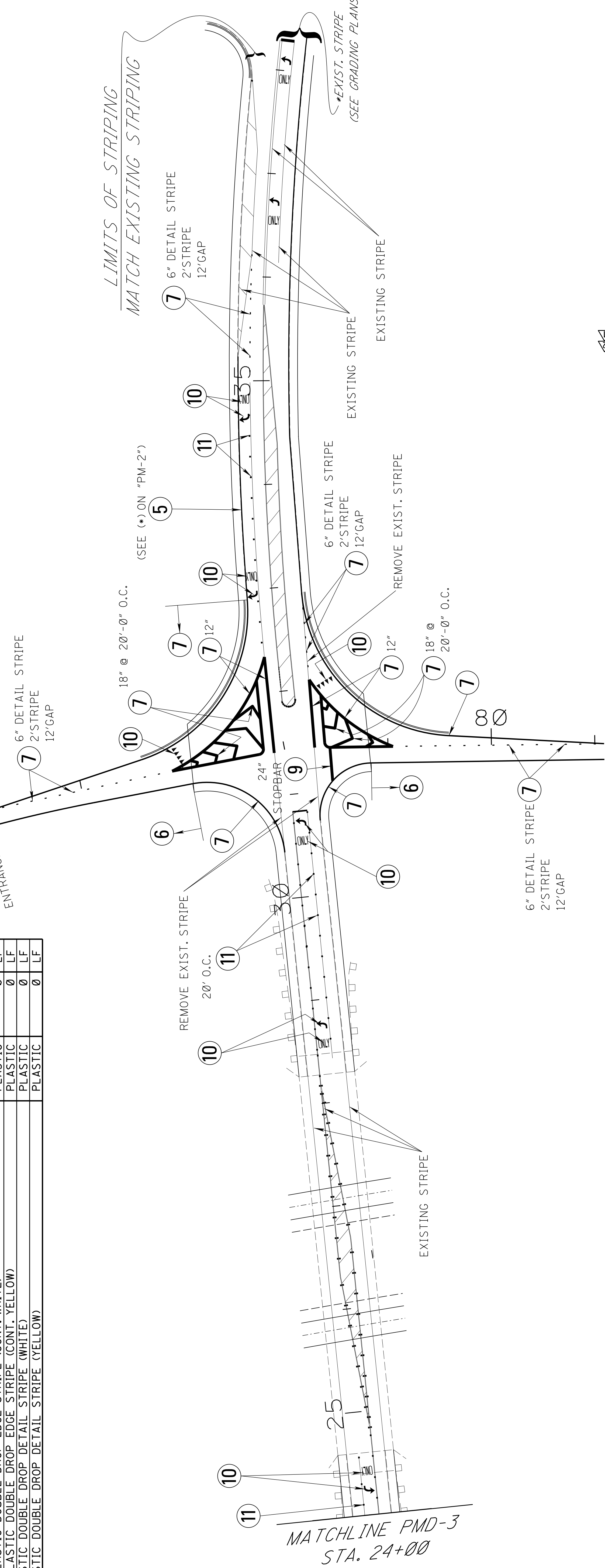
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| STATE | PROJECT NO. |
| MISS. | STP-0029-02(017) |

PAVEMENT MARKING

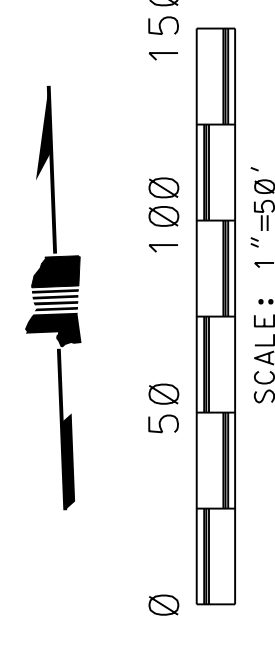
| SYMBOL | DESCRIPTION | TYPE | QUANTITY | UNIT |
|--------|--|---------|----------|------|
| 1 | TRAFFIC STRIPE (CONT. WHITE) | PLASTIC | 562 | LF |
| 2 | TRAFFIC STRIPE (CONT. YELLOW) | PLASTIC | 0 | LF |
| 3 | TRAFFIC STRIPE (SKIP WHITE) | PLASTIC | 0 | LF |
| 4 | TRAFFIC STRIPE (SKIP YELLOW) | PLASTIC | 0 | LF |
| 5 | EDGE STRIPE (CONT. WHITE) | PLASTIC | 236 | LF |
| 6 | EDGE STRIPE (CONT. YELLOW) | PLASTIC | 418 | LF |
| 7 | DETAIL STRIPE (WHITE) | PLASTIC | 3137 | LF |
| 8 | DETAIL STRIPE (YELLOW) | PLASTIC | 0 | LF |
| 9 | LEGEND (WHITE) (24" STOPBAR) | PLASTIC | 130 | LF |
| 10 | LEGEND (WHITE) | PLASTIC | 240 | SF |
| 11 | HIGH PERFORMANCE RED-CLEAR REFLECTIVE RAISED MARKERS | | 25 | EA |
| 12 | HIGH PERFORMANCE TWO-WAY YELLOW REFLEC. RAISED MARKER | | 0 | EA |
| 13 | JIGGLE MARKERS | | 0 | EA |
| 14 | 6" THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE (CONT. WHITE) | PLASTIC | 0 | LF |
| 15 | 6" THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE (CONT. YELLOW) | PLASTIC | 0 | LF |
| 16 | 6" THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE (SKIP WHITE) | PLASTIC | 0 | LF |
| 17 | 6" THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE (SKIP YELLOW) | PLASTIC | 0 | LF |
| 18 | 6" THERMOPLASTIC DOUBLE DROP EDGE STRIPE (CONT. WHITE) | PLASTIC | 0 | LF |
| 19 | 6" THERMOPLASTIC DOUBLE DROP EDGE STRIPE (CONT. YELLOW) | PLASTIC | 0 | LF |
| 20 | THERMOPLASTIC DOUBLE DROP DETAIL STRIPE (WHITE) | PLASTIC | 0 | LF |
| 21 | THERMOPLASTIC DOUBLE DROP DETAIL STRIPE (YELLOW) | PLASTIC | 0 | LF |

- NOTE:
1. 12", 18", AND 24" QUANTITIES ARE MEASURED IN 6" EQUIVALENT LENGTHS.
 2. SEE "EQ-2" FOR QUANTITIES.
 3. DOUBLE DROP THERMOPLASTIC TRAFFIC STRIPE TO BE USED IN BRIDGE SECTION OR CONC. PAVEMENT.

*SEE "SDPM-3" FOR RAMP PM DETAILS



*SEE "SDPM-4" FOR EXIT RAMP PM DETAILS



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| BY | REVISION | DATE |
| BHF | | |
| BHF | REVISED SHEET NUMBER | 06/15/16 |
| | UPDATED SHEET | 08/05/16 |
| | DESIGN TEAM | STANTEC |
| | CHECKED | |
| | DATE | 2015 |
| | WORKING NUMBER | PMD-4 |
| | SHEET NUMBER | 191 |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING DETAIL

LAUGHTER ROAD
STA. 24+00 TO STA. 38+50

COUNTY: DESOTO
 PROJ. NUM.: STP-0029-02(017)
 FILENAME: PMD-4-LAUGHTER_2.DGN

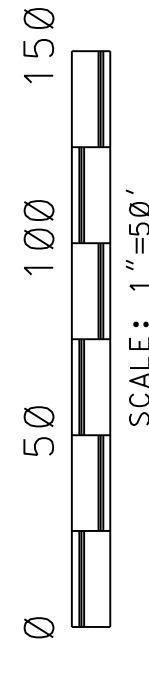
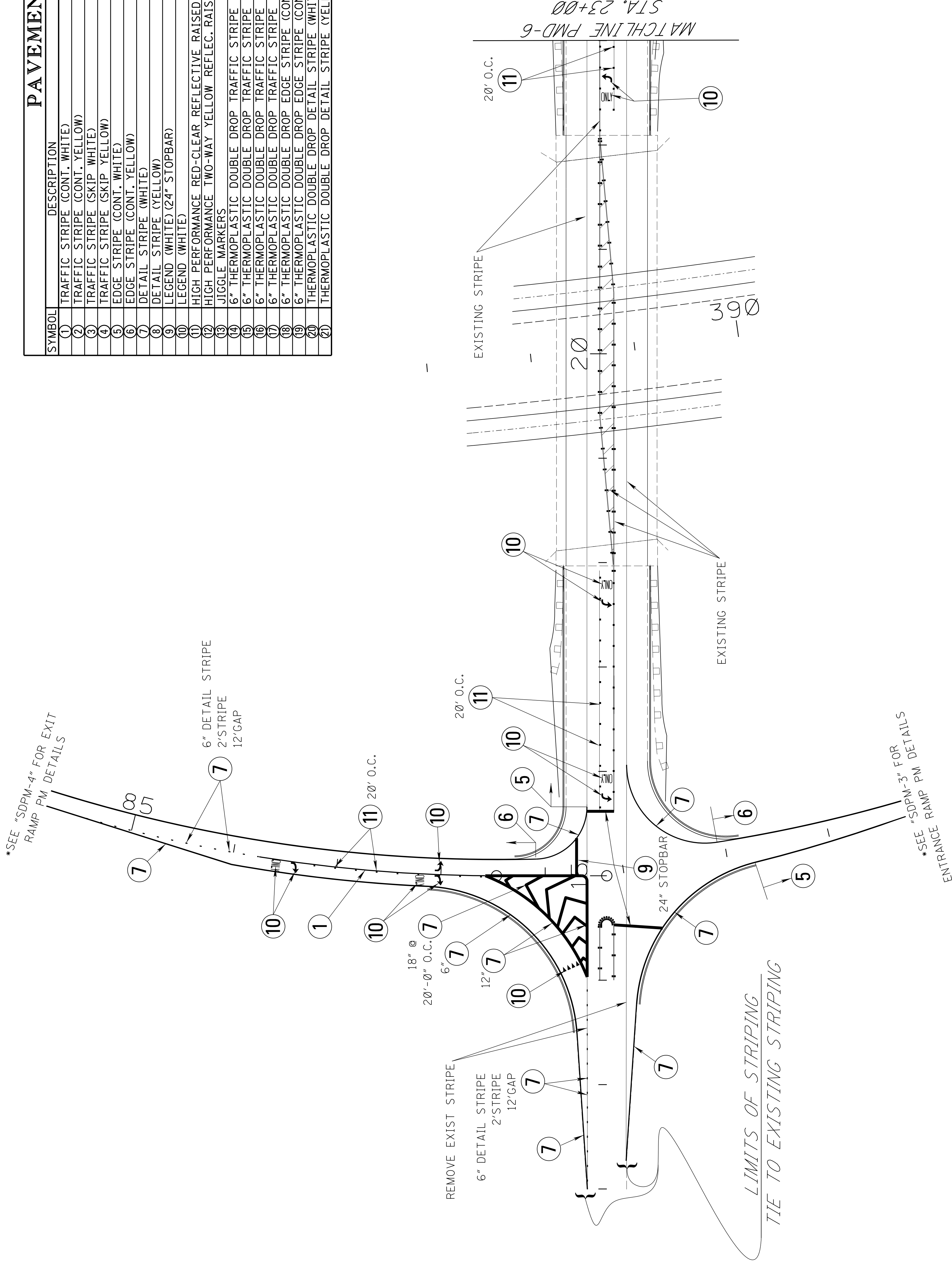
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| STATE | PROJECT NO. |
| MISS. | STP-0029-02(017) |

PAVEMENT MARKING

| SYMBOL | DESCRIPTION | TYPE | QUANTITY | UNIT |
|--------|--|---------|----------|------|
| (1) | TRAFFIC STRIPE (CONT. WHITE) | PLASTIC | 218 | LF |
| (2) | TRAFFIC STRIPE (CONT. YELLOW) | PLASTIC | 0 | LF |
| (3) | TRAFFIC STRIPE (SKIP WHITE) | PLASTIC | 0 | LF |
| (4) | TRAFFIC STRIPE (SKIP YELLOW) | PLASTIC | 0 | LF |
| (5) | EDGE STRIPE (CONT. WHITE) | PLASTIC | 0 | LF |
| (6) | EDGE STRIPE (CONT. YELLOW) | PLASTIC | 653 | LF |
| (7) | DETAIL STRIPE (WHITE) | PLASTIC | 2870 | LF |
| (8) | DETAIL STRIPE (YELLOW) | PLASTIC | 0 | LF |
| (9) | LEGEND (WHITE) (24" STOPBAR) | PLASTIC | 437 | LF |
| (10) | LEGEND (WHITE) | PLASTIC | 233 | SF |
| (11) | HIGH PERFORMANCE RED-CLEAR REFLECTIVE RAISED MARKERS | | 27 | EA |
| (12) | HIGH PERFORMANCE TWO-WAY YELLOW REFLEC. RAISED MARKER | | 0 | EA |
| (13) | JIGGLE MARKERS | | 0 | EA |
| (14) | 6" THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE (CONT. WHITE) | PLASTIC | 0 | LF |
| (15) | 6" THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE (CONT. YELLOW) | PLASTIC | 0 | LF |
| (16) | 6" THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE (SKIP WHITE) | PLASTIC | 0 | LF |
| (17) | 6" THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE (SKIP YELLOW) | PLASTIC | 0 | LF |
| (18) | 6" THERMOPLASTIC DOUBLE DROP EDGE STRIPE (CONT. WHITE) | PLASTIC | 0 | LF |
| (19) | 6" THERMOPLASTIC DOUBLE DROP EDGE STRIPE (CONT. YELLOW) | PLASTIC | 0 | LF |
| (20) | THERMOPLASTIC DOUBLE DROP DETAIL STRIPE (WHITE) | PLASTIC | 0 | LF |
| (21) | THERMOPLASTIC DOUBLE DROP DETAIL STRIPE (YELLOW) | PLASTIC | 0 | LF |

NOTE:

1. 12", 18", AND 24" QUANTITIES ARE MEASURED IN 6" EQUIVALENT LENGTHS.
2. SEE "EQ-2" FOR QUANTITIES.
3. DOUBLE DROP THERMOPLASTIC TRAFFIC STRIPE TO BE USED IN BRIDGE SECTION OR CONC. PAVEMENT.

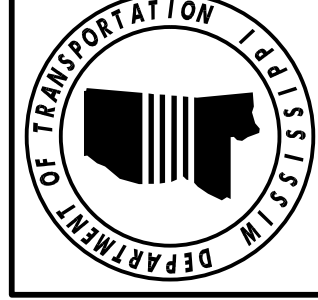


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|----|----------------------|------|--|
| BY | | DATE | |
| BH | REVISION | DATE | |
| BH | REVISOR SHEET NUMBER | DATE | |
| BH | UPDATED SHEET | DATE | |
| BH | REVISOR SHEET NUMBER | DATE | |
| BH | REVISION | DATE | |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING DETAIL
CRAFT ROAD
STA. 12+00 TO STA. 23+00

COUNTY: DESOTO
 PROJ. NUM.: STP-0029-02(017)
 FILENAME: PMD-5-CRAFT-1.DGN
 DESIGN TEAM: STANTEC CHECKED: DATE: 2015

WORKING NUMBER: PMD-5
 SHEET NUMBER: 192



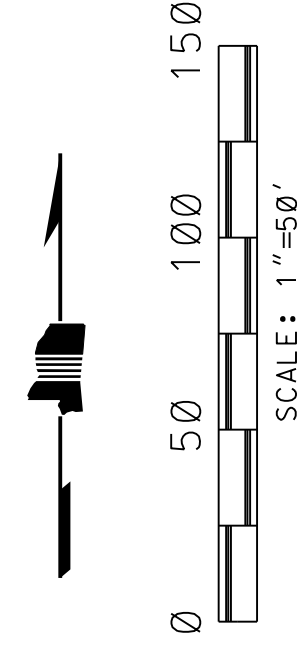
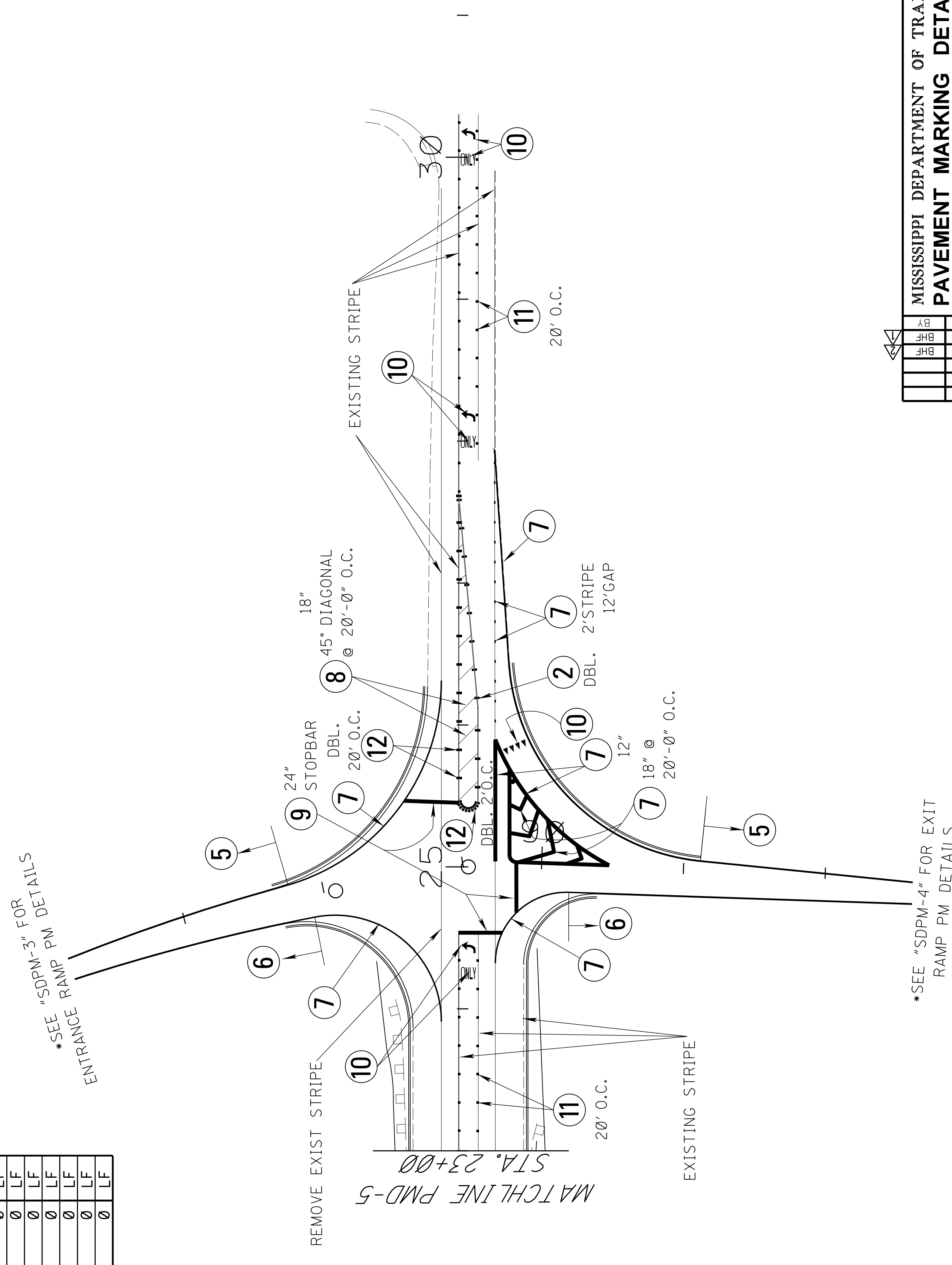
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| STATE | PROJECT NO. |
| MISS. | STP-0029-02(017) |

PAVEMENT MARKING

| SYMBOL | DESCRIPTION | TYPE | QUANTITY | UNIT |
|--------|--|---------|----------|------|
| (1) | TRAFFIC STRIPE (CONT. WHITE) | PLASTIC | 0 | LF |
| (2) | TRAFFIC STRIPE (CONT. YELLOW) | PLASTIC | 0 | LF |
| (3) | TRAFFIC STRIPE (SKIP WHITE) | PLASTIC | 0 | LF |
| (4) | TRAFFIC STRIPE (SKIP YELLOW) | PLASTIC | 0 | LF |
| (5) | EDGE STRIPE (CONT. WHITE) | PLASTIC | 314 | LF |
| (6) | EDGE STRIPE (CONT. YELLOW) | PLASTIC | 417 | LF |
| (7) | DETAIL STRIPE (WHITE) | PLASTIC | 1870 | LF |
| (8) | DETAIL STRIPE (YELLOW) | PLASTIC | 0 | LF |
| (9) | LEGEND (WHITE) (24" STOPBAR) | PLASTIC | 421 | LF |
| (10) | LEGEND (WHITE) | PLASTIC | 140 | SF |
| (11) | HIGH PERFORMANCE RED-CLEAR REFLECTIVE RAISED MARKERS | — | 19 | EA |
| (12) | HIGH PERFORMANCE TWO-WAY YELLOW REFLEC. RAISED MARKER | — | 0 | EA |
| (13) | JIGGLE MARKERS | — | 0 | EA |
| (14) | 6" THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE (CONT. WHITE) | PLASTIC | 0 | LF |
| (15) | 6" THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE (CONT. YELLOW) | PLASTIC | 0 | LF |
| (16) | 6" THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE (SKIP WHITE) | PLASTIC | 0 | LF |
| (17) | 6" THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE (SKIP YELLOW) | PLASTIC | 0 | LF |
| (18) | 6" THERMOPLASTIC DOUBLE DROP EDGE STRIPE (CONT. WHITE) | PLASTIC | 0 | LF |
| (19) | 6" THERMOPLASTIC DOUBLE DROP EDGE STRIPE (CONT. YELLOW) | PLASTIC | 0 | LF |
| (20) | THERMOPLASTIC DOUBLE DROP DETAIL STRIPE (WHITE) | PLASTIC | 0 | LF |
| (21) | THERMOPLASTIC DOUBLE DROP DETAIL STRIPE (YELLOW) | PLASTIC | 0 | LF |

NOTE:

1. 12", 18", AND 24" QUANTITIES ARE MEASURED IN 6" EQUIVALENT LENGTHS.
2. SEE "EQ-2" FOR QUANTITIES.
3. DOUBLE DROP THERMOPLASTIC TRAFFIC STRIPE TO BE USED IN BRIDGE SECTION OR CONC. PAVEMENT.



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| MISSISSIPPI DEPARTMENT OF TRANSPORTATION | |
| PAVEMENT MARKING DETAIL | |
| CRAFT ROAD | |
| STA. 23+00 - STA. 31+00 | |
| COUNTY: DESOTO | WORKING NUMBER: PMD-6 |
| PROJ. NUM.: STP-0029-02(017) | SHEET NUMBER: 193 |
| FILENAME: PMD-6_CRAFT-2.DGN | DATE: 2015 |
| DESIGN TEAM: STANTEC | CHECKED: [Signature] |

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|----------------|----------------------|
| DATE: 08/05/16 | UPDATED SHEET |
| DATE: 06/15/16 | REVISED SHEET NUMBER |
| DATE: [Blank] | REVISION |
| BY: [Blank] | BY |

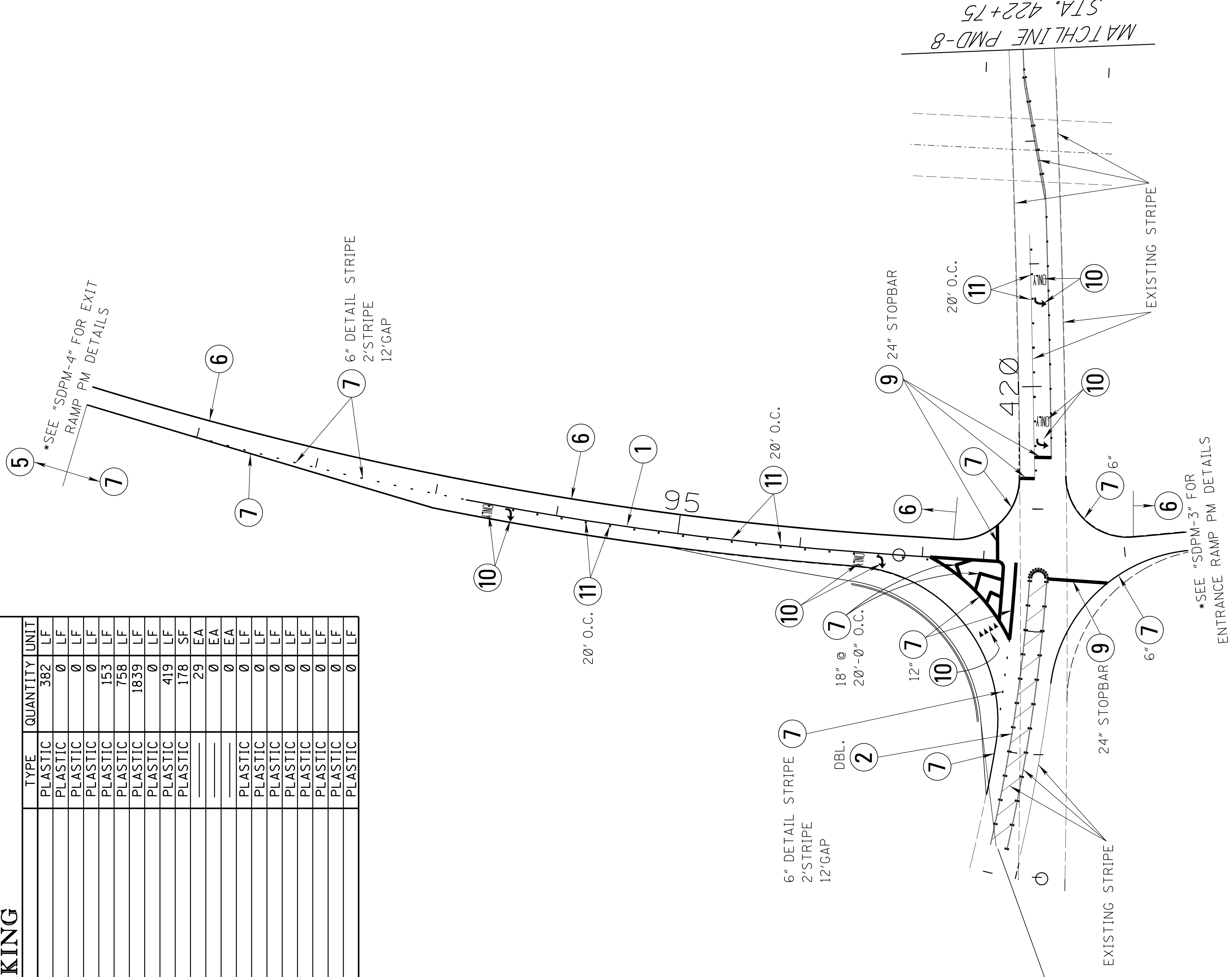
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| STATE | PROJECT NO. |
| MISS. | STP-0029-02(017) |

PAVEMENT MARKING

| SYMBOL | DESCRIPTION | TYPE | QUANTITY | UNIT |
|--------|--|---------|----------|------|
| 1 | TRAFFIC STRIPE (CONT. WHITE) | PLASTIC | 382 | LF |
| 2 | TRAFFIC STRIPE (CONT. YELLOW) | PLASTIC | 0 | LF |
| 3 | TRAFFIC STRIPE (SKIP WHITE) | PLASTIC | 0 | LF |
| 4 | TRAFFIC STRIPE (SKIP YELLOW) | PLASTIC | 0 | LF |
| 5 | EDGE STRIPE (CONT. WHITE) | PLASTIC | 153 | LF |
| 6 | EDGE STRIPE (CONT. YELLOW) | PLASTIC | 758 | LF |
| 7 | DETAIL STRIPE (WHITE) | PLASTIC | 1839 | LF |
| 8 | DETAIL STRIPE (YELLOW) | PLASTIC | 0 | LF |
| 9 | LEGEND (WHITE) (24" STOPBAR) | PLASTIC | 419 | LF |
| 10 | LEGEND (WHITE) | PLASTIC | 178 | SF |
| 11 | HIGH PERFORMANCE RED-CLEAR REFLECTIVE RAISED MARKERS | — | 29 | EA |
| 12 | HIGH PERFORMANCE TWO-WAY YELLOW REFLEC. RAISED MARKER | — | 0 | EA |
| 13 | JIGGLE MARKERS | — | 0 | EA |
| 14 | 6" THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE (CONT. WHITE) | PLASTIC | 0 | LF |
| 15 | 6" THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE (CONT. YELLOW) | PLASTIC | 0 | LF |
| 16 | 6" THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE (SKIP WHITE) | PLASTIC | 0 | LF |
| 17 | 6" THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE (SKIP YELLOW) | PLASTIC | 0 | LF |
| 18 | 6" THERMOPLASTIC DOUBLE DROP EDGE STRIPE (CONT. WHITE) | PLASTIC | 0 | LF |
| 19 | 6" THERMOPLASTIC DOUBLE DROP EDGE STRIPE (CONT. YELLOW) | PLASTIC | 0 | LF |
| 20 | THERMOPLASTIC DOUBLE DROP DETAIL STRIPE (WHITE) | PLASTIC | 0 | LF |
| 21 | THERMOPLASTIC DOUBLE DROP DETAIL STRIPE (YELLOW) | PLASTIC | 0 | LF |

NOTE:

1. 12", 18", and 24" QUANTITIES ARE MEASURED IN 6" EQUIVALENT LENGTHS.
2. SEE "EQ-2" FOR QUANTITIES.
3. DOUBLE DROP THERMOPLASTIC TRAFFIC STRIPE TO BE USED IN BRIDGE SECTION OR CONC. PAVEMENT.



LIMITS OF STRIPING
TIE TO EXISTING STRIPING

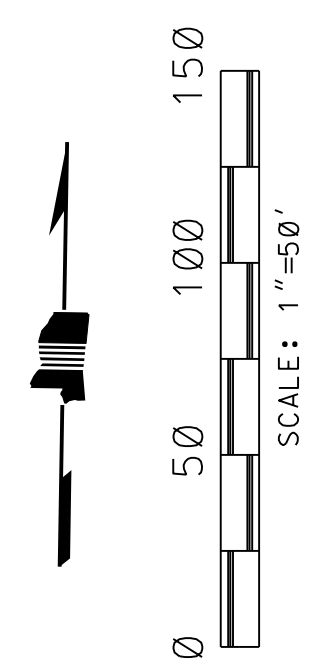
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|----------|----------|----------------------|-----|
| DATE | 08/05/16 | UPDATED SHEET | BHF |
| REVISION | 06/15/16 | REVISED SHEET NUMBER | BHF |
| BY | | | |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING DETAIL

SR 305 ROAD
STA. 416+00 TO STA. 422+75

COUNTY: DESOTO
PROJ. NUM.: STP-0029-02(017)
FILENAME: PMD-7-SR305-1.DGN
DESIGN TEAM: STANTEC CHECKED: DATE: 2015

WORKING NUMBER: PMD-7
SHEET NUMBER: 194



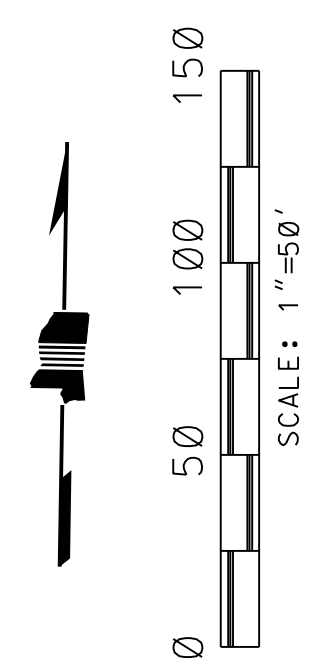
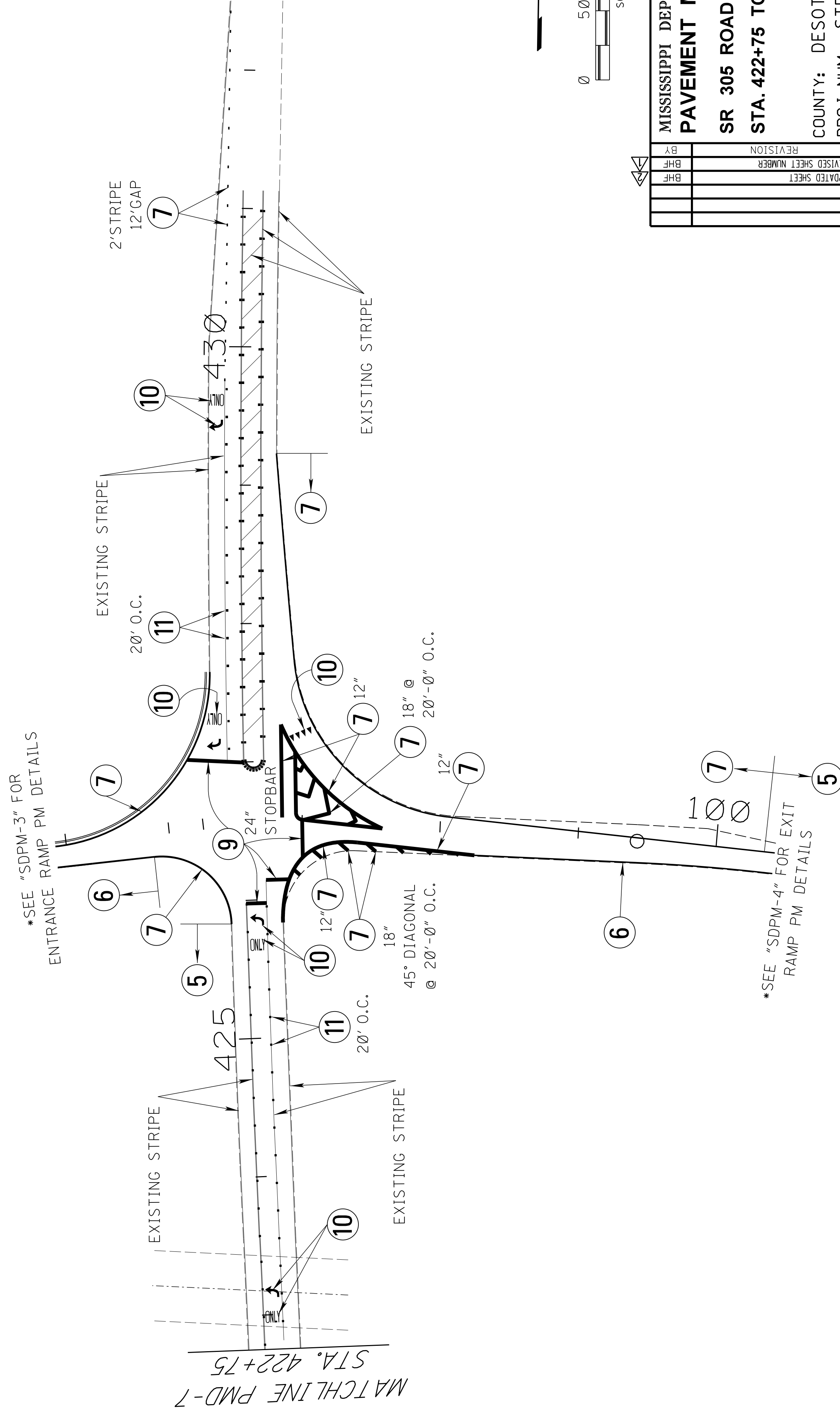
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| STATE | PROJECT NO. |
| MISS. | STP-0029-02(017) |

PAVEMENT MARKING

| SYMBOL | DESCRIPTION | TYPE | QUANTITY | UNIT |
|--------|--|---------|----------|------|
| 1 | TRAFFIC STRIPE (CONT. WHITE) | PLASTIC | 0 | LF |
| 2 | TRAFFIC STRIPE (CONT. YELLOW) | PLASTIC | 0 | LF |
| 3 | TRAFFIC STRIPE (SKIP WHITE) | PLASTIC | 0 | LF |
| 4 | TRAFFIC STRIPE (SKIP YELLOW) | PLASTIC | 0 | LF |
| 5 | EDGE STRIPE (CONT. WHITE) | PLASTIC | 0 | LF |
| 6 | EDGE STRIPE (CONT. YELLOW) | PLASTIC | 287 | LF |
| 7 | DETAIL STRIPE (WHITE) | PLASTIC | 2197 | LF |
| 8 | DETAIL STRIPE (YELLOW) | PLASTIC | 0 | LF |
| 9 | LEGEND (WHITE)(24" STOPBAR) | PLASTIC | 400 | LF |
| 10 | LEGEND (WHITE) | PLASTIC | 178 | SF |
| 11 | HIGH PERFORMANCE RED-CLEAR REFLECTIVE RAISED MARKERS | | 30 | EA |
| 12 | HIGH PERFORMANCE TWO-WAY YELLOW REFLEC. RAISED MARKER | | 0 | EA |
| 13 | JIGGLE MARKERS | | 0 | EA |
| 14 | 6" THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE (CONT. WHITE) | PLASTIC | 0 | LF |
| 15 | 6" THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE (CONT. YELLOW) | PLASTIC | 0 | LF |
| 16 | 6" THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE (SKIP WHITE) | PLASTIC | 0 | LF |
| 17 | 6" THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE (SKIP YELLOW) | PLASTIC | 0 | LF |
| 18 | 6" THERMOPLASTIC DOUBLE DROP EDGE STRIPE (CONT. WHITE) | PLASTIC | 0 | LF |
| 19 | 6" THERMOPLASTIC DOUBLE DROP EDGE STRIPE (CONT. YELLOW) | PLASTIC | 0 | LF |
| 20 | THERMOPLASTIC DOUBLE DROP DETAIL STRIPE (WHITE) | PLASTIC | 0 | LF |
| 21 | THERMOPLASTIC DOUBLE DROP DETAIL STRIPE (YELLOW) | PLASTIC | 0 | LF |

NOTE:

1. 12", 18", AND 24" QUANTITIES ARE MEASURED IN 6" EQUIVALENT LENGTHS.
2. SEE "EQ-2" FOR QUANTITIES.
3. DOUBLE DROP THERMOPLASTIC TRAFFIC STRIPE TO BE USED IN BRIDGE SECTION OR CONC. PAVEMENT.



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| BY | REVISION |
| BHF | |
| BHF | |
| BHF | |
| 08/05/16 | UPDATED SHEET |
| 06/15/16 | REVISED SHEET NUMBER |
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MISSISSIPPI DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING DETAIL
 SR 305 ROAD
 STA. 422+75 TO STA. 433+00
 COUNTY: DESOTO
 PROJ. NUM.: STP-0029-02(017)
 FILENAME: PMD-8-SR305-2.DGN
 DESIGN TEAM: STANTEC CHECKED: DATE: 2015

WORKING NUMBER: PMD-8
 SHEET NUMBER: 195

GENERAL NOTES

- ① ALL SIGNS, SIGNALS AND PAVEMENT MARKINGS ARE TO CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (LATEST ADOPTED EDITION AND ALL SUBSEQUENT REVISIONS).
- ② TRAFFIC SIGNAL CABINETS SHALL HAVE A 16 LOAD BAY FACILITY, DUAL POSITION INTERNAL LED LIGHTING, A REAR ACCESS DOOR, A LAPTOP PULLOUT TRAY, AN AUTOHAND SWITCH IN THE POLICE PANEL, A PREWIRED 10 POSITION CARD RACK WITH 2-175 WATT MINIMUM POWER SUPPLIES AND 8 AVAILABLE CARD SLOTS.
- ③ ALL MALFUNCTION MANAGEMENT UNITS (MMU) SHALL BE ETHERNET READY, 16-CHANNEL, AND CAPABLE OF RUNNING 12 DIFFERENT MODES OF FLASHING YELLOW ARROW OPERATION.
- ④ TRAFFIC SIGNAL CONTROLLERS SHALL BE ETHERNET READY AND COMPATIBLE WITH MDOT'S EXISTING TRAFFIC SIGNAL SIGNAL MANAGEMENT SOFTWARE. WHERE FLASHING YELLOW OPERATION IS BEING USED, ALL TRAFFIC SIGNAL CONTROLLER FIRMWARE SHALL BE CAPABLE OF DELAYING THE ONSET OF THE FLASHING YELLOW ARROW. TRAFFIC SIGNAL CONTROLLERS SHALL BE LINUX BASED CONTROLLERS WITH A MINIMUM OF 1 USB PORT.
- ⑤ SIGNAL CONTROLLER TIMINGS TO BE PROVIDED BY MDOT TRAFFIC ENGINEERING DIVISION.
- ⑥ EQUIPMENT SHOWN ON THESE PLANS ARE IN APPROXIMATE LOCATIONS. THE PROPOSED LOCATION OF ALL EQUIPMENT SHALL BE FIELD LOCATED BY THE CONTRACTOR WITH PROPOSED LOCATIONS APPROVED BY MDOT. CONTRACTOR TO STAKE EACH 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, BUT WILL BE ABSORBED UNDER OTHER ITEMS. CONTRACTOR SHALL INSTALL ALL EQUIPMENT, PULL BOXES, AND CONDUIT WITHIN PUBLIC RIGHT OF WAY.
- ⑦ ALL BASELINES SHOWN ON THESE PLANS ARE FOR GRAPHICAL REFERENCE PURPOSES ONLY AND ARE NOT STAKED IN THE FIELD.
- ⑧ TOP OF POLE FOUNDATIONS SHALL NOT EXCEED FOUR (4) INCHES ABOVE FINISHED GRADE.
- ⑨ 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 DRAWING 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.
- ⑩ CONTRACTOR TO FIELD VERIFY CAMERA SITE LOCATIONS AND ORIENTATION FOR COMPLETE COVERAGE OF THE ROADWAY PRIOR TO INSTALLATION. PROPOSED LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
- ⑪ CONTRACTOR TO FIELD VERIFY RADAR SITE LOCATION AND ORIENTATION FOR COMPLETE COVERAGE OF DETECTION ZONES PRIOR TO INSTALLING EQUIPMENT. PROPOSED LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
- ⑫ PAYMENT FOR FIBER OPTIC CABLE; UNDERGROUND POWER CABLE AND CONDUIT SHALL BE BASED ON HORIZONTAL MEASUREMENTS, WITH NO ADDITIONAL PAYMENT FOR ANY VERTICAL RUNS OR SLACK IN PULL BOXES.
- ⑬ TRAFFIC SIGNAL CABLE IN MAST ARMS TO BE MEASURED AND PAID FOR AS ELECTRICAL CABLE. UNDERGROUND IN CONDUIT, IMSA 20-1, AWG #14 —8 CONDUCTOR (PAY ITEM 666-B054).
- ⑭ ALL CABLE DENOTED ON THE PLANS AS DETECTOR CABLE SHALL BE COST ABSORBED.
- ⑮ ALL FIBER OPTIC PULL BOXES SHALL BE EITHER TYPE 4 OR TYPE 5 AS NOTED ON THE PLANS. EACH BELOW GROUND PULL BOX SHALL INCLUDE ADDITIONAL FIBER SLACK (SEE SPECIAL PROVISION 907-657-11 FOR DETAILS). THE ADDITIONAL CABLE WILL BE COST ABSORBED UNDER PAY ITEM NOS. 907-657-A OR 907-657-B.
- ⑯ FIBER OPTIC UNDERGROUND CONDUIT SHALL BE INSTALLED AT A MINIMUM DEPTH OF FIVE (5) FEET. FIBER OPTIC UNDERGROUND TRENCHED CONDUIT SHALL BE INSTALLED AT A MINIMUM DEPTH OF THREE (3) FEET, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. CONDUIT FOR FIBER OPTIC CABLE REQUIRED TO UTILIZE LARGE RADIUS BENDS (MINIMUM RADIUS 6 INCHES). NO ELBOW JOINTS ALLOWED.
- ⑰ ALL FIBER SPLICES SHALL NOT BE A SEPARATE PAY ITEM, BUT SHALL BE COST ABSORBED UNDER ITEM NOS. 907-657-A OR 907-657-B.
- ⑱ ALL CONNECTIONS, MODIFICATIONS, SPLICES, AND NECESSARY EQUIPMENT NEEDED TO INTERCONNECT THE TRAFFIC SIGNALS, AS SHOWN ON THE PLANS, SHALL BE COST ABSORBED.
- ⑲ THE END POINT OF ALL FIBER OPTIC RUNS SHALL HAVE ALL 72 FIBERS TERMINATED INSIDE THE CLOSEST DEVICE CABINET. THE COST OF THE TERMINATION PANELS AND RELATED EQUIPMENT SHALL BE ABSORBED IN PAY ITEM 907-657-A.
- ⑳ A TRACER (AWG #10 THHN GREEN) WIRE SHALL BE INSTALLED IN CONDUIT THAT CARRIES ONLY FIBER OPTIC CABLE AND SHALL BE ABSORBED UNDER PAY ITEM NOS. 907-657-A OR 907-657-B.
- ㉑ CONDUIT FOR POWER SUPPLY MAY BE RUN IN THE SAME TRENCH LINE AS FIBER LINES, THOUGH SEPARATE ELECTRICAL PULL BOXES ARE TO BE INSTALLED. WHEN FIBER OPTIC CONDUIT AND OTHER CONDUIT ARE RUN IN THE SAME TRENCH, THE FIBER OPTIC SHALL BE ON THE BOTTOM.
- ㉒ ALL CONDUITS SHALL BE SEALED WITH DUCT PLUG TO PREVENT WATER INTRUSION ONCE CABLE IS INSTALLED. COST TO BE ABSORBED UNDER PAY ITEM NOS. 668-A OR 668-B.
- ㉓ ALL ABOVE GROUND CONDUIT SHALL BE TYPE 1 RIGID METAL. PVC SHALL NOT BE ALLOWED ABOVE GROUND.

⑳ THE CONTRACTOR MAY DRILL OR JACK A SINGLE SLEEVE FOR INSTALLATION OF MULTIPLE CONDUITS AT BORED CROSSINGS, RATHER THAN DRILLING OR JACKING INDIVIDUAL CONDUITS. THE INSTALLATION OF THE SLEEVE AND THE CONDUITS SHALL BE PAID FOR AT THE BID PRICE FOR UNDERGROUND CONDUIT BANK (907-668-E UNDERGROUND ROLLED PIPE) BASED ON THE NUMBER OF CONDUITS IN THE BANK (SHOWN ON THE PLANS). NO ADDITIONAL COMPENSATION WILL BE GIVEN FOR THE LARGER SLEEVE. CONTRACTOR SHALL SUBMIT SIZE AND MATERIAL DATA OF THE SLEEVE TO THE ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.

㉕ FOR MAINLINE FIBER CONDUIT BANKS, ONE OR MORE (AS INDICATED ON THE PLANS) OF THE CONDUITS WILL BE FOR FUTURE USE AND SHALL INCLUDE A PULL STRING.

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 ANY AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED BY THE CONTRACTOR (TO INCLUDE GRASSING AND SITE GRADING) AS DIRECTED BY THE ENGINEER. ALL REMOVAL AND REPLACEMENT OF SOD, SIDEWALK, ASPHALT AND CONCRETE, AND BACKFILL ARE COST ABSORBED AND CONSIDERED PART OF THE COST OF THE CONDUIT.

㉘ THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO THE SURFACE TREATED SHOULDER WHICH MIGHT OCCUR DURING CONSTRUCTION. ANY REPAIR TO SHOULDER WILL BE IN ACCORDANCE WITH SECTION 410 OF THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION. NO PAYMENT WILL BE MADE FOR REPAIR OF DAMAGED SHOULDER.

㉙ THE COST OF DISPOSING OF ALL UNUSED OR REMOVED MATERIALS SHALL BE ABSORBED FOR PAYMENT IN OTHER ITEMS.

㉚ CLEARING AND GRUBBING, WHERE REQUIRED BY THE PROJECT ENGINEER TO COMPLETE THE EQUIPMENT INSTALLATIONS SHOWN ON THESE PLANS, WILL BE PERFORMED IN CONFORMANCE WITH SECTION 201 OF THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION. THE COST OF CLEARING AND GRUBBING OPERATIONS SHALL BE ABSORBED IN OTHER PAY ITEMS.

㉛ CONTRACTOR SHALL MAKE APPLICATION FOR POWER SERVICE, COORDINATING WITH MDOT AND THE LOCAL UTILITY PROVIDER(S), IN ADVANCE OF ACQUIRING THE ELECTRICAL SERVICES. IF ELECTRICAL SERVICE REQUIRES SERVICE METER TO BE INSTALLED, CONTRACTOR SHALL CONTACT THE APPROPRIATE AGENCY FOR INSPECTION PRIOR TO SERVICE CONNECTION BEING MADE BY POWER COMPANY. INSTALLATIONS OF AERIAL POWER CIRCUITS, POLE RISERS, WEATHERHEADS, METER BASE, DISCONNECT BOX AND BREAKER, WOOD POLES, GALVANIZED STRUCTURAL COMPONENTS, MISC. HARDWARE OR CONCRETE FOR BASE PAD, ETC. REQUIRED FOR POWER SERVICE TO BE COST ABSORBED. CONTRACTOR SHALL ESTABLISH POWER SERVICE IN HIS OR HER NAME UTILIZING HIS OR HER BILLING ADDRESS, AND SHALL PAY ALL UTILITY CONNECTION CHARGES AND CHARGES FOR SERVICE UNTIL FINAL PROJECT ACCEPTANCE.

㉜ CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UTILITY MAKE-READY COSTS INCURRED TO PROVIDE POWER AND COMMUNICATION SERVICES TO THE EQUIPMENT, AND SHALL BE PAID FOR UNDER PAY ITEM 620-B001.

㉝ POWER SERVICE METER SHALL NOT BE MOUNTED ON THE CONTROLLER CABINET OR MAST ARM POLE SHAFTS. A SEPARATE POWER SERVICE PANEL FOR MOUNTING THESE ITEMS IS REQUIRED (SEE TSD-5).

㉞ THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION, PUBLISHED BY MDOT SHALL GOVERN THIS PROJECT UNLESS OTHERWISE NOTED BY SPECIAL PROVISIONS, NOTICE TO BIDDERS, OR PLAN NOTES.

㉟ ALL EQUIPMENT SUBMITTALS, UNLESS OTHERWISE ADVISED, SHALL BE IN ACCORDANCE WITH SECTION 634.02.2 OF THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION.

㊱ DESIGN WIND SPEED FOR TRAFFIC SIGNAL POLES SHALL BE 90 MPH. ACCORDING TO 2013 AASHTO SPECIFICATIONS. USE FATIGUE CATEGORY II, USE 50 YEAR DESIGN SERVICE LIFE, AND DO NOT CONSIDER GALLOPING OR TRUCK-INDUCED GUSTS. ICE LOADS SHALL BE INCLUDED. TRAFFIC SIGNAL POLES SHALL BE HOT DIPPED GALVANIZED.

㊲ ALL SIGNAL HEADS SHALL BE LED, BLACK IN COLOR AND EQUIPPED WITH BLACK BACKPLATES AND VISORS.

㊳ THE CONTRACTOR SHALL BE REQUIRED TO ADEQUATELY AND COMPLETELY COVER TRAFFIC SIGNAL HEADS DURING TIMES THAT THEY ARE NOT IN OPERATION WITH A DURABLE, OUTDOOR-HARDENED MATERIAL THAT CONTRASTS WITH THE COLOR OF THE HEAD THAT CLEARLY DESIGNATES THAT THE SIGNAL IS NOT IN STOP AND GO MODE. HEAD COVERS ARE TO BE APPROVED BY THE ENGINEER.

| MISSISSIPPI DEPARTMENT OF TRANSPORTATION | |
|--|----------------|
| GENERAL NOTES | |
| SIGNAL AND ITS GN | |
| COUNTY: DESOTO | |
| PROJ. NUM.: STP-0029-02(017) | |
| FILENAME: GN-1.DGN | WORKING NUMBER |
| DESIGN TEAM | STANTEC |
| CHECKED | DATE |
| DATE | 2001 |
| 08/05/16 | 08/05/16 |
| UPDATED SHEET | REVISION |
| BY | |
| | |
| | |
| | |
| | |

| | |
|-------|------------------|
| STATE | PROJECT NO. |
| MISS. | STP-0029-02(017) |

DETECTION CHART

| DET. NO. | TYPE | PHASE | LOCATION | SIZE |
|----------|-------------|-------|-----------------------------------|--------|
| * DET1 | MULTISENSOR | 1,6 | PRES., ADV. 6'X50', 6'X6' ADVANCE | 6'X6' |
| * DET2 | MULTISENSOR | 2 | ADVANCE | 6'X6' |
| * DET3 | VIDEO | 4 | PRESENCE | 6'X50' |

* ALIGN DETECTOR AS PER MANUFACTURERS RECOMMENDATIONS

1-12SM FODC RED'Q FOR INTERCONNECT (SEE WK. SHEET. NO. ITS-8 FOR DETAILS)

1-3" ROLL PIPE (160') (BORED)
2-8C
2-DETEC. CABLE

1-3" TYPE IV (13')
3-8C
3-DETEC. CABLE
1-2" TYPE IV (13')
1-#2, 3C (POW) (13')
1-3" TYPE IV (13') (SPARE)

1-12SM FODC RED'Q FOR INTERCONNECT (SEE WK. SHEET. NO. ITS-8 FOR DETAILS)

1-NETWORK SWITCH, TYPE A REQ'D IN TSC
1-2" TYPE IV (25')
1-8C
1-DETEC. CABLE
1-2" TYPE IV (25') (SPARE)
1-3" ROLL PIPE (400') (BORED)
1-#2, 3C (POW) (400')

NOTES:
1. REFER TO WK SHEET NO. ITS-8 FOR FODC INTERCONNECT DETAILS AND WK SHEET NO. FO-4 FOR SPLICING DETAILS.
2. POWER SERVICE PANEL IS REQ'D.

MAST ARM POLE CHART

| LOCATION | FOUNDATION SIZE | SHAFT LENGTH (FT.) | TYPE | MAST ARM LENGTH (FT.) | HEAD/ SIGN SPACING (FT.) | SNS (SEE DETAILS BELOW) |
|----------|-----------------|--------------------|------|-----------------------|--------------------------|-------------------------|
| P1 | 36"x15' | 17' | II | 70' | 53', 61', 64', 69' | - |
| P2 | 36"x15' | 17' | III | 60' | 50', 58' | GetwellRd |
| | | | | 45' | 33', 41' | - |

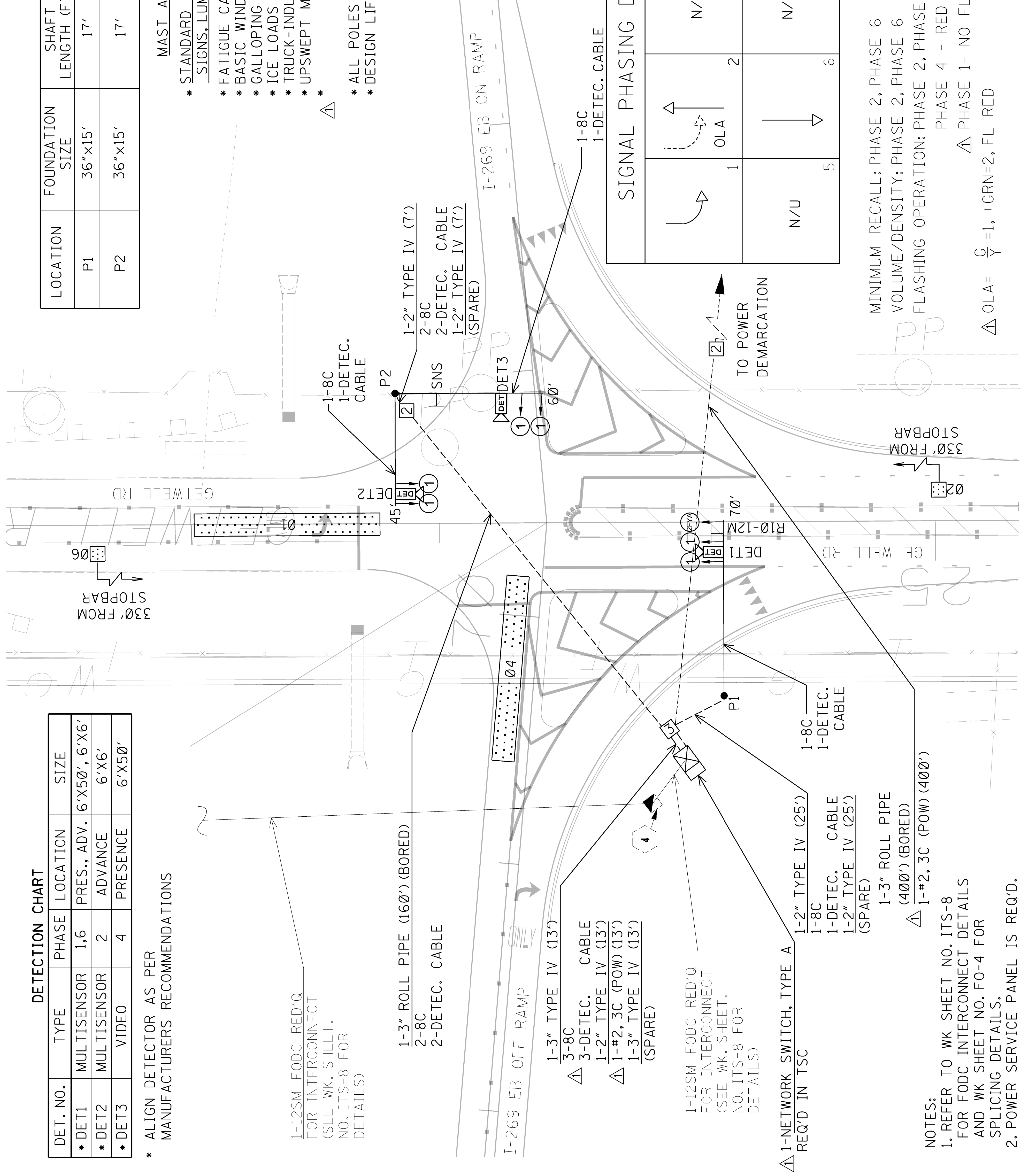
MAST ARM TRAFFIC SIGNAL STRUCTURE DESIGN CRITERIA

* STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 6TH EDITION (2013)

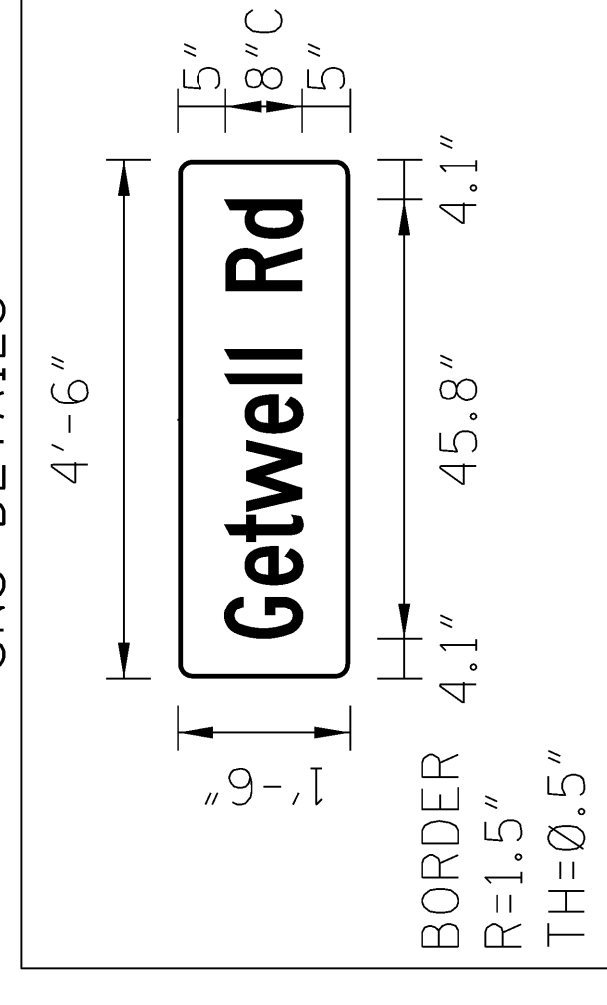
- * FATIGUE CATEGORY II
- * BASIC WIND SPEED: 90 MPH.
- * GALLOPING LOADS EXCLUDED.
- * ICE LOADS INCLUDED.
- * TRUCK-INDUCED GUST LOADING EXCLUDED.
- * UPSWEEP MAST ARMS ARE REQUIRED.



- * ALL POLES SHALL BE HOT DIP GALVANIZED.
- * DESIGN LIFE: 50 YRS.



SNS DETAILS



SIGNAL PHASING DIAGRAM

| Phase | 1 | 2 | 3 | 4 |
|-----------|-----------|-----|------------|------------|
| Direction | Left Turn | OLA | Right Turn | Right Turn |
| Notes | N/U | N/U | N/U | N/U |
| Order | 5 | 6 | 7 | 8 |

MINIMUM RECALL: PHASE 2, PHASE 6
VOLUME/DENSITY: PHASE 2, PHASE 6
FLASHING OPERATION: PHASE 2, PHASE 6 - YELLOW
PHASE 4 - RED
PHASE 1 - NO FLASH

Δ OLA = $-\frac{G}{Y} = 1, +GRN=2, FL RED$

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL INSTALLATION

GETWELL RD @ I-269 EB
ON RAMP

COUNTY: DESOTO
PROJ. NUM.: STP-0029-02(017)

WORKING NUMBER
TSI-1

FILENAME: TSI-1.DGN
DESIGN TEAM: STANTEC
DATE: 08/05/16
REVISION
DATE: 08/05/16
BY: JMR
CHECKED: JMR
UPDATED SHEET

SHEET NUMBER
2002

| | |
|-------|------------------|
| STATE | PROJECT NO. |
| MISS. | STP-0029-02(017) |

DETECTION CHART

| DET. NO. | TYPE | PHASE | LOCATION | SIZE |
|----------|-------------|-------|-------------|---------------|
| * DET1 | MULTISENSOR | 6 | ADVANCE | 6'X6' |
| * DET2 | MULTISENSOR | 2,5 | PRES., ADV. | 6'X50', 6'X6' |
| * DET3 | VIDEO | 3 | PRESENCE | 6'X50' |

* ALIGN DETECTOR AS PER MANUFACTURERS RECOMMENDATIONS

1-3" ROLL PIPE (190') (BORED)
1-8C
1-DETEC. CABLE

1-12SM FODC RED'Q FOR INTERCONNECT (SEE WK. SHEET, NO. ITS-8 FOR DETAILS)

1-2" TYPE IV (18')
2-8C
2-DETEC. CABLE
1-2" TYPE IV (18') (SPARE)

1-269 WB ON RAMP
2-3" TYPE IV (8')
3-8C
3-DETEC. CABLE
1-2" TYPE IV (8')
1-#1, 3C (POW) (8')
1-3" TYPE IV (8') (SPARE)

1-12SM FODC RED'Q FOR INTERCONNECT (SEE WK. SHEET, NO. ITS-8 FOR DETAILS)

1-NETWORK SWITCH, TYPE A REQ'D IN TSC

1-3" ROLL PIPE (500') (BORED)
1-#1, 3C (POW) (500')

NOTES:

- REFER TO WK SHEET NO. ITS-8 FOR FODC INTERCONNECT DETAILS AND WK SHEET NO. FO-4 FOR SPlicing DETAILS.
- POWER SERVICE PANEL IS REQ'D.

MAST ARM POLE CHART

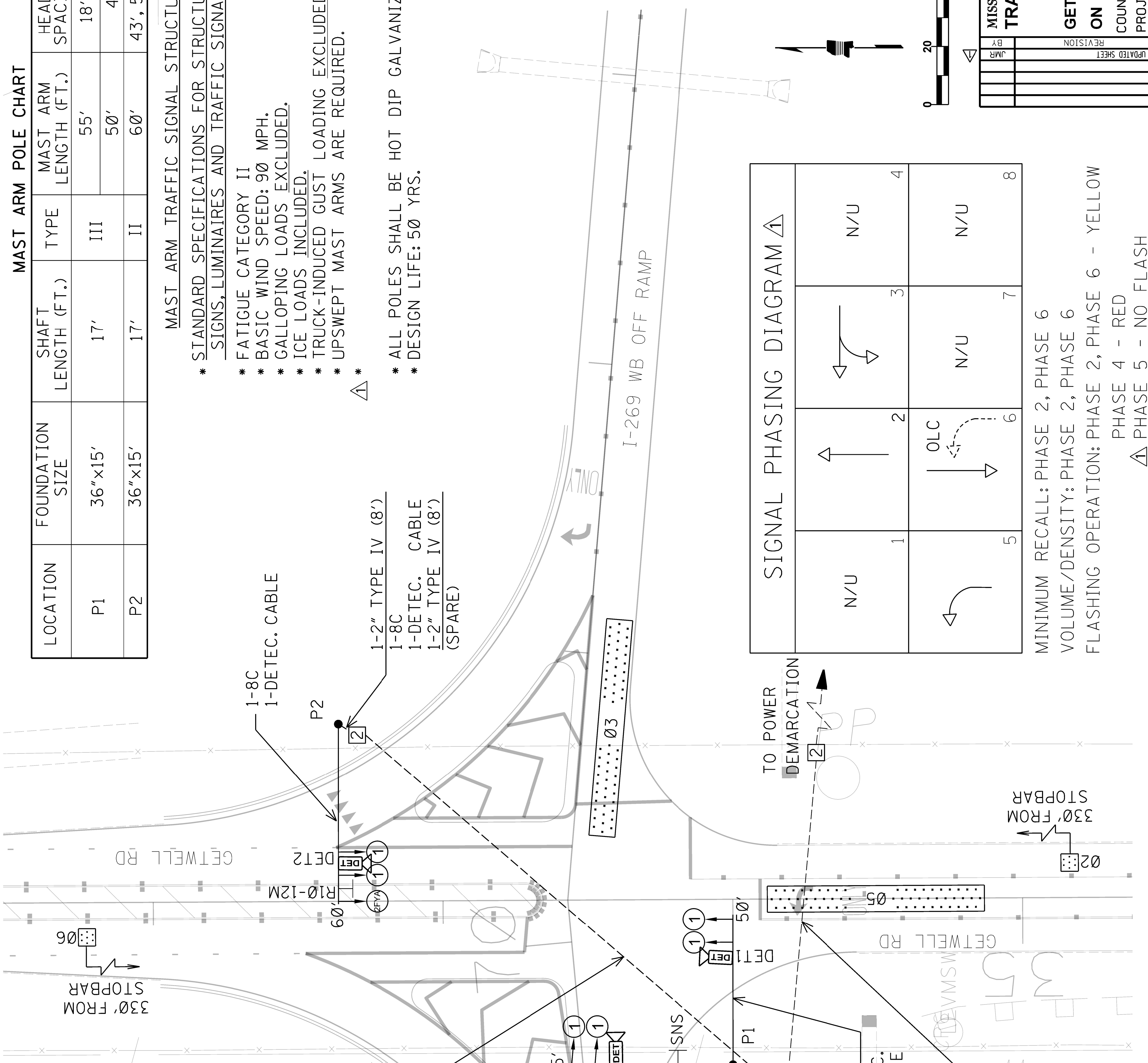
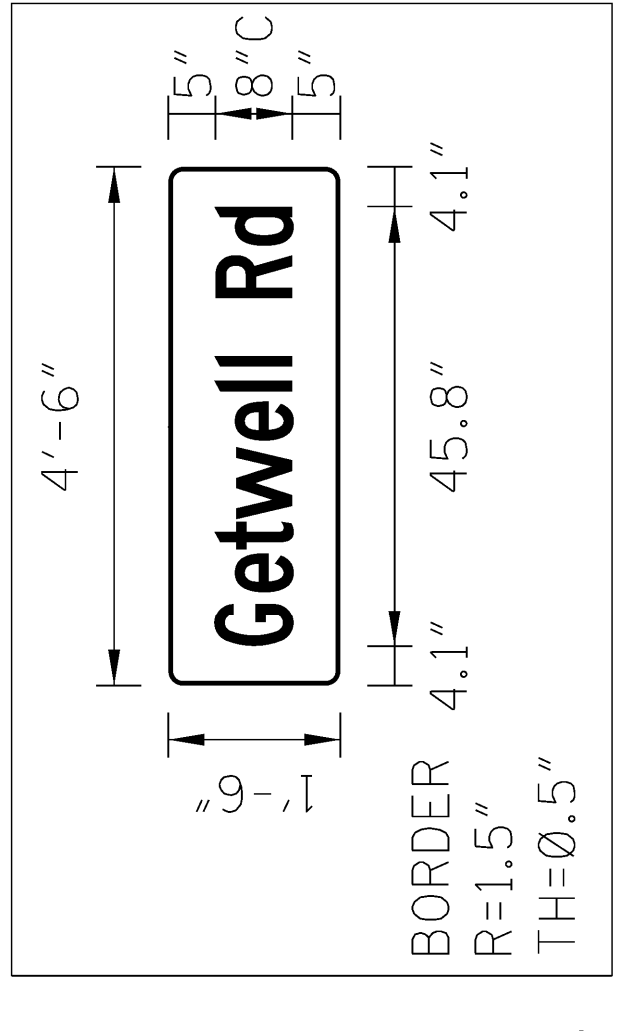
| LOCATION | FOUNDATION SIZE | SHAFT LENGTH (FT.) | TYPE | MAST ARM LENGTH (FT.) | HEAD/ SIGN SPACING (FT.) | SNS (SEE DETAILS BELOW) |
|----------|-----------------|--------------------|------|-----------------------|--------------------------|-------------------------|
| P1 | 36"x15' | 17' | III | 55' | 18', 46', 54' | GetwellRd |
| P2 | 36"x15' | 17' | II | 60' | 41', 49' | - |

MAST ARM TRAFFIC SIGNAL STRUCTURE DESIGN CRITERIA

* STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 4TH EDITION (2013)

- * FATIGUE CATEGORY II
- * BASIC WIND SPEED: 90 MPH.
- * GALLOPING LOADS EXCLUDED.
- * ICE LOADS INCLUDED.
- * TRUCK-INDUCED GUST LOADING EXCLUDED.
- * UPSWEPT MAST ARMS ARE REQUIRED.
- * ALL POLES SHALL BE HOT DIP GALVANIZED.
- * DESIGN LIFE: 50 YRS.

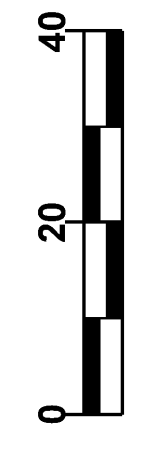
SNS DETAILS



SIGNAL PHASING DIAGRAM

| Phase | 1 | 2 | 3 | 4 |
|------------|---|---|---|---|
| Left Turn | ← | ← | ← | ← |
| Through | ↑ | ↑ | ↑ | ↑ |
| Right Turn | ↘ | ↘ | ↘ | ↘ |
| Left Turn | ← | ← | ← | ← |
| Through | ↑ | ↑ | ↑ | ↑ |
| Right Turn | ↘ | ↘ | ↘ | ↘ |
| Left Turn | ← | ← | ← | ← |
| Through | ↑ | ↑ | ↑ | ↑ |
| Right Turn | ↘ | ↘ | ↘ | ↘ |

MINIMUM RECALL: PHASE 2, PHASE 6
VOLUME/DENSITY: PHASE 2, PHASE 6
FLASHING OPERATION: PHASE 2, PHASE 6 - YELLOW
PHASE 4 - RED
△ PHASE 5 - NO FLASH
△ OLC = - $\frac{G}{V}$ = 5, +GRN=6, FL RED



MISSISSIPPI DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL INSTALLATION

GETWELL RD @ I-269 WB
ON RAMP

COUNTY: DESOTO
PROJ. NUM.: STP-0029-02(017)
FILENAME: TSI-2.DGN

DESIGN TEAM: STANTEC

WORKING NUMBER: TSI-2
SHEET NUMBER: 2003

DATE: 08/05/16
BY: JMR
REVISION: []
UPDATED SHEET: []

DETECTION CHART

| DET. NO. | TYPE | PHASE | LOCATION | SIZE |
|----------|-------------|-------|---------------------------|------|
| * DET1 | MULTISENSOR | 1,6 | PRES., ADV. 6'X50', 6'X6' | |
| * DET2 | MULTISENSOR | 2 | ADVANCE 6'X6' | |
| * DET3 | VIDEO | 4 | PRESENCE 6'X50' | |

* ALIGN DETECTOR AS PER MANUFACTURERS RECOMMENDATIONS

1-3" ROLL PIPE (137') (BORED)
2-8C

2-DETEC. CABLE
1-#6, 3C (POW) (137')

1-12SM FODC RED/Q FOR INTERCONNECT (SEE WK. SHEET, NO. ITS-12 FOR DETAILS)

1-NETWORK SWITCH, TYPE A REQ'D IN TSC

2-3" TYPE IV (8')
3-8C
3-DETEC. CABLE
1-2" TYPE IV (8')

1-#6, 3C (POW) (8')

1-3" TYPE IV (8') (SPARE)

-269 EB OFF RAMP

1-3" ROLL PIPE (146') (BORED)
1-8C
1-DETEC. CABLE

1-2" TYPE IV (8')

1-8C
1-DETEC. CABLE
1-2" TYPE IV (8') (SPARE)

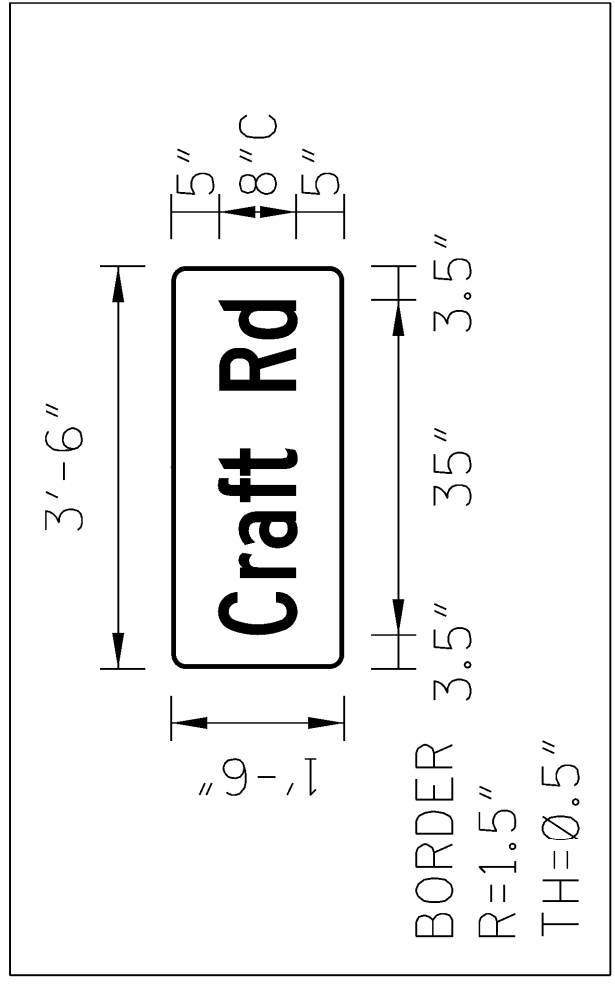
MAST ARM POLE CHART

| LOCATION | FOUNDATION SIZE | SHAFT LENGTH (FT.) | TYPE | MAST ARM LENGTH (FT.) | HEAD/ SIGN SPACING (FT.) | SNS (SEE DETAILS BELOW) |
|----------|-----------------|--------------------|------|-----------------------|--------------------------|-------------------------|
| P1 | 36"x15' | 17' | III | 60' | 52', 60' | - |
| P2 | 36"x15' | 17' | II | 65' | 22', 56', 64' | Craft Rd |
| | | | | 60 | 42', 50', 54', 58' | - |

MAST ARM TRAFFIC SIGNAL STRUCTURE DESIGN CRITERIA

- * STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 4TH EDITION (2013)
- * FATIGUE CATEGORY II
- * BASIC WIND SPEED: 90 MPH.
- * GALLOPING LOADS EXCLUDED.
- * ICE LOADS INCLUDED.
- * TRUCK-INDUCED GUST LOADING EXCLUDED.
- * UPSWEPT MAST ARMS ARE REQUIRED.
- * ALL POLES SHALL BE HOT DIP GALVANIZED.
- * DESIGN LIFE: 50 YRS.

SNS DETAILS



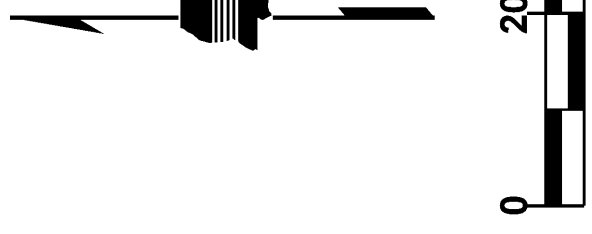
SIGNAL PHASING DIAGRAM

| | | | |
|-----|-----|-----|-----|
| 1 | 2 | 3 | 4 |
| N/U | N/U | N/U | N/U |
| 5 | 6 | 7 | 8 |
| N/U | N/U | N/U | N/U |

MINIMUM RECALL: PHASE 2, PHASE 6
VOLUME/DENSITY: PHASE 2, PHASE 6
FLASHING OPERATION: PHASE 2, PHASE 6 - YELLOW
PHASE 4 - RED
△ PHASE 1 - NO FLASH
△ OLA = -G = 1, +GRN=2, FL RED

NOTES:

1. REFER TO WK SHEET NO. ITS-12 FOR FODC INTERCONNECT DETAILS AND WK SHEET NO. FO-4 FOR SPLICING DETAILS.
2. POWER SERVICE PANEL IS REQ'D.



MISSISSIPPI DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL INSTALLATION

CRAFT RD @ I-269 EB ON RAMP

COUNTY: DESOTO
PROJ. NUM.: STP-0029-02(017)
FILENAME: TSI-3.DGN
DESIGN TEAM: STANTEC CHECKED: DATE: _____

WORKING NUMBER: TSI-3
SHEET NUMBER: 2004

DATE: 08/05/16
BY: JMR
REVISION: _____
UPDATED SHEET

| | |
|-------|------------------|
| STATE | PROJECT NO. |
| MISS. | STP-0029-02(017) |

DETECTION CHART

| DET. NO. | TYPE | PHASE | LOCATION | SIZE |
|----------|-------------|-------|-------------|---------------|
| * DET1 | MULTISENSOR | 6 | ADVANCE | 6'X6' |
| * DET2 | MULTISENSOR | 2,5 | PRES., ADV. | 6'X50', 6'X6' |
| * DET3 | VIDEO | 3 | PRESENCE | 6'X50' |

* ALIGN DETECTOR AS PER MANUFACTURERS RECOMMENDATIONS

1-3" ROLL PIPE (210') (BORED)
1-8C
1-DETEC. CABLE

1-2" TYPE IV (11')
1-8C
1-DETEC. CABLE
1-2" TYPE IV (11') (SPARE)

1-3" ROLL PIPE (110') (BORED)
1-8C
1-DETEC. CABLE

1-3" ROLL PIPE (315') (APPROX.) (BORED)
1-#2, 3C (POW) (315')

2-3" TYPE IV (10')
3-8C
3-DETEC. CABLE
1-#2, 3C (POW) (10')
1-3" TYPE IV (10') (SPARE)

TO POWER DEMARCATION

1-8C
1-DETEC. CABLE

1-12SM FODC RED'Q FOR INTERCONNECT (SEE WK. SHEET NO. ITS-12 FOR DETAILS)
1-NETWORK SWITCH, TYPE A REQ'D IN TSC

1-2" TYPE IV (18')
1-8C
1-DETEC. CABLE
1-2" TYPE IV (18') (SPARE)

1-12SM FODC RED'Q FOR INTERCONNECT (SEE WK. SHEET NO. ITS-12 FOR DETAILS)

MAST ARM POLE CHART

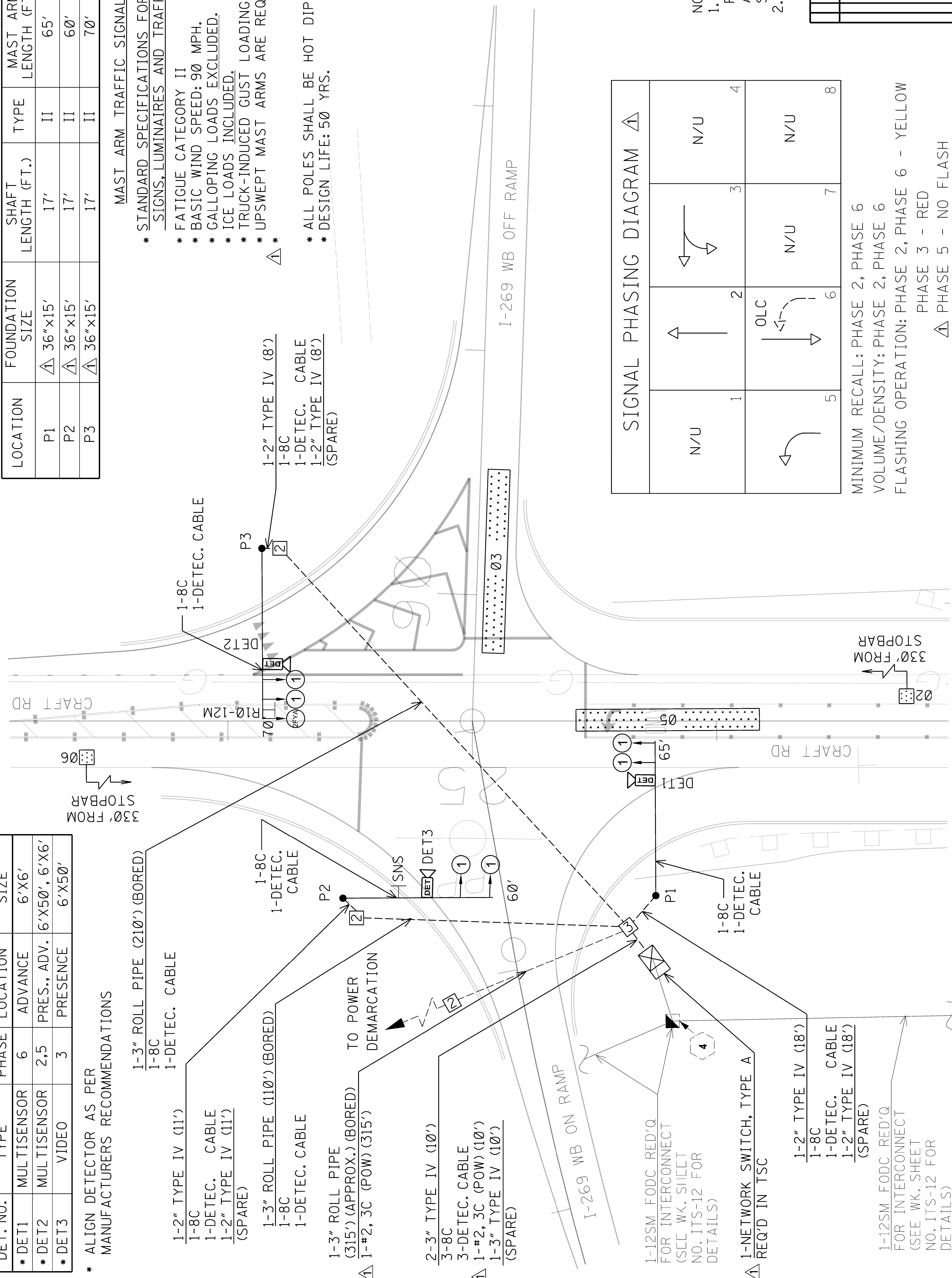
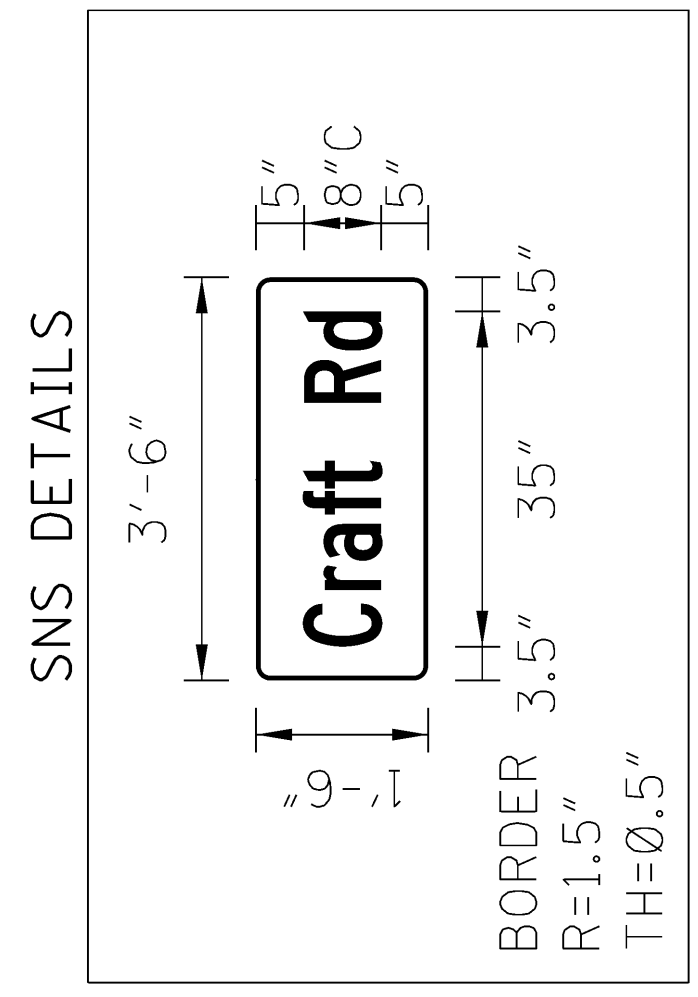
| LOCATION | FOUNDATION SIZE | SHAFT LENGTH (FT.) | TYPE | MAST ARM LENGTH (FT.) | HEAD/ SIGN SPACING (FT.) | SNS (SEE DETAILS BELOW) |
|----------|-----------------|--------------------|------|-----------------------|--------------------------|-------------------------|
| P1 | △ 36"x15' | 17' | II | 65' | 53', 61' | - |
| P2 | △ 36"x15' | 17' | II | 60' | 21', 47', 59' | Craft Rd |
| P3 | △ 36"x15' | 17' | II | 70' | 52', 60', 64', 69' | - |

MAST ARM TRAFFIC SIGNAL STRUCTURE DESIGN CRITERIA

* STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 4TH EDITION (2013)

- * FATIGUE CATEGORY II
- * BASIC WIND SPEED: 90 MPH.
- * GALLOPING LOADS EXCLUDED.
- * ICE LOADS INCLUDED.
- * TRUCK-INDUCED GUST LOADING EXCLUDED.
- * UPSWEPT MAST ARMS ARE REQUIRED.

* ALL POLES SHALL BE HOT DIP GALVANIZED.
* DESIGN LIFE: 50 YRS.



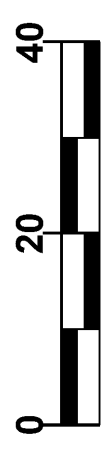
SIGNAL PHASING DIAGRAM

| | | | | |
|-----|---|---|-----|-----|
| N/U | ↑ | ← | N/U | 4 |
| 1 | ↑ | ← | 3 | N/U |
| 5 | ← | ↓ | 6 | N/U |
| N/U | ← | ↓ | 7 | 8 |

MINIMUM RECALL: PHASE 2, PHASE 6
VOLUME/DENSITY: PHASE 2, PHASE 6
FLASHING OPERATION: PHASE 2, PHASE 6 - YELLOW
PHASE 3 - RED
△ PHASE 5 - NO FLASH

△ OLC = $\frac{G}{Y} = 5, +G=6, FL RED$

- NOTES:
- REFER TO WK SHEET NO. ITS-12 FOR FODC INTERCONNECT DETAILS AND WK SHEET NO. FO-4 FOR SPLICING DETAILS.
 - POWER SERVICE PANEL IS REQ'D.



MISSISSIPPI DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL INSTALLATION

CRAFT RD @ I-269 WB ON RAMP
COUNTY: DESOTO
PROJ. NUM.: STP-0029-02(017)

WORKING NUMBER TSI-4
SHEET NUMBER 2005

DATE: 08/05/16
BY: [Signature]
REVISION: [Signature]
UPDATED SHEET: [Signature]

DESIGN TEAM: STANTEC CHECKED: [Signature] DATE: [Signature]

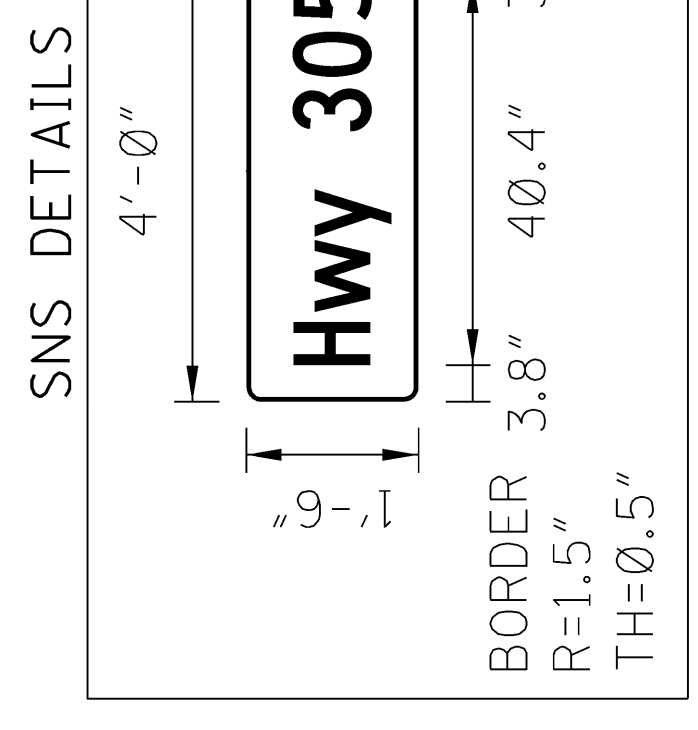
| | |
|-------|------------------|
| STATE | PROJECT NO. |
| MISS. | STP-0029-02(017) |

MAST ARM POLE CHART

| LOCATION | FOUNDATION SIZE | SHAFT LENGTH (FT.) | TYPE | MAST ARM LENGTH (FT.) | HEAD/ SIGN SPACING (FT.) | SNS (SEE DETAILS BELOW) |
|----------|-----------------|--------------------|------|-----------------------|--------------------------|-------------------------|
| P1 | 36"x15' | 17' | III | 45' | 35', 43' | - |
| P2 | 36"x15' | 17' | II | 70' | 17', 46', 54' | Hwy 305 |

MAST ARM TRAFFIC SIGNAL STRUCTURE DESIGN CRITERIA

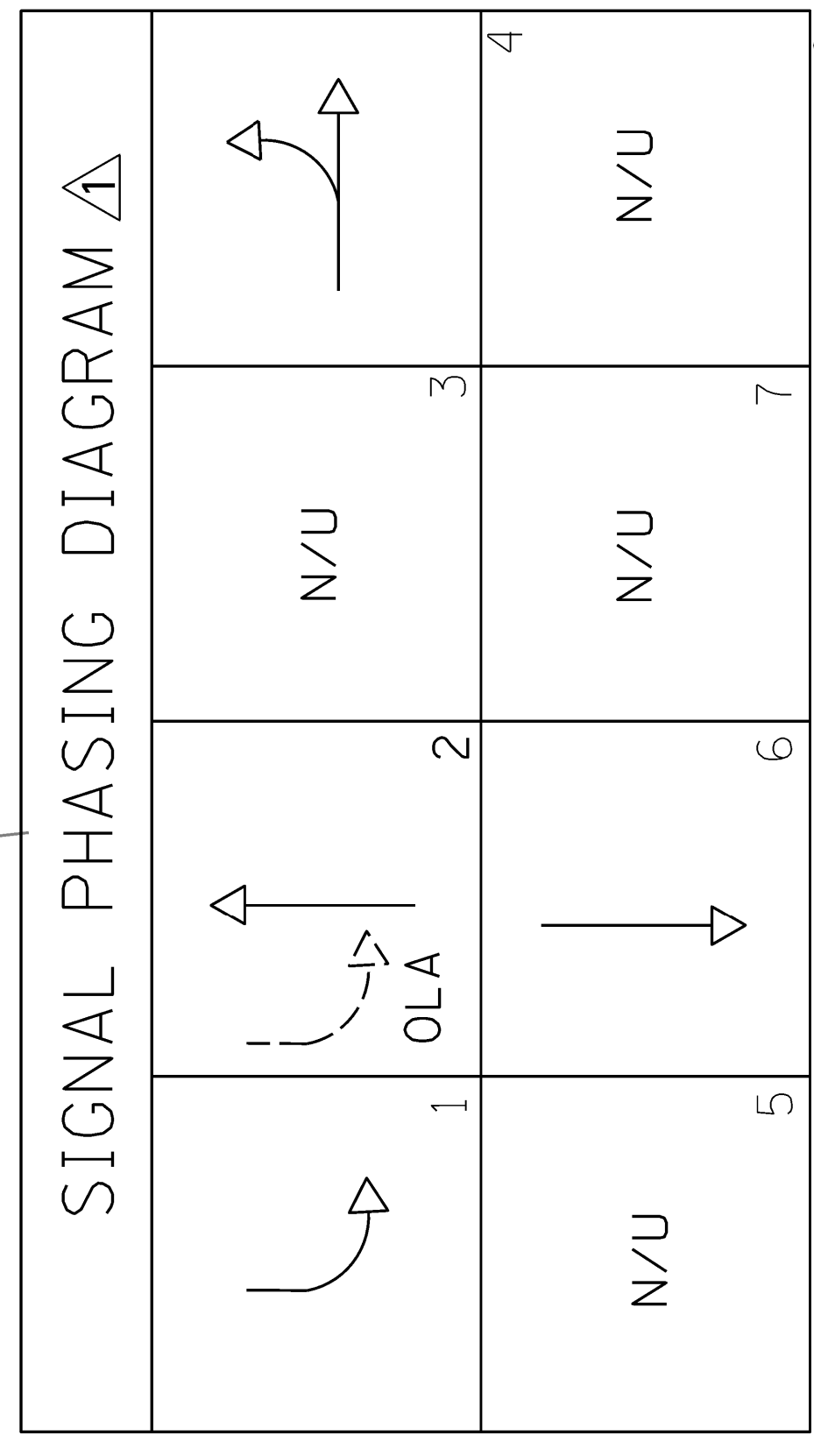
- * STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 4TH EDITION (2013)
- * FATIGUE CATEGORY II
- * BASIC WIND SPEED: 90 MPH.
- * GALLOPING LOADS EXCLUDED.
- * ICE LOADS INCLUDED.
- * TRUCK-INDUCED GUST LOADING EXCLUDED.
- * UPSWEPT MAST ARMS ARE REQUIRED.
- * ALL POLES SHALL BE HOT DIP GALVANIZED.
- * DESIGN LIFE: 50 YRS.



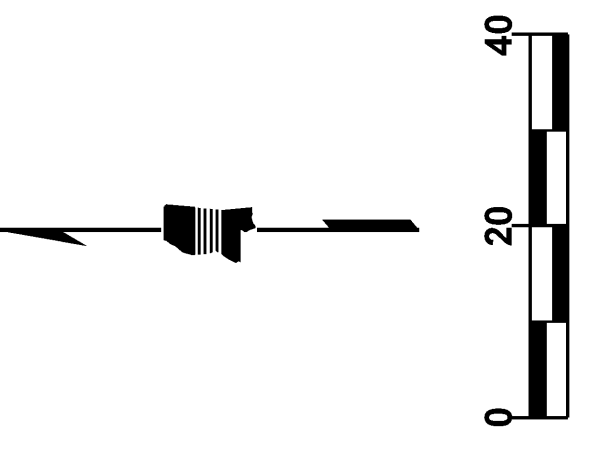
DETECTION CHART

| DET. NO. | TYPE | PHASE | LOCATION | SIZE |
|----------|-------------|-------|-------------|---------------|
| * DET1 | MULTISENSOR | 1,6 | PRES., ADV. | 6'X50', 6'X6' |
| * DET2 | MULTISENSOR | 2 | ADVANCE | 6'X6' |
| * DET3 | VIDEO | 4 | PRESENCE | 6'X50' |

* ALIGN DETECTOR AS PER MANUFACTURERS RECOMMENDATIONS



MINIMUM RECALL: PHASE 2, PHASE 6
 VOLUME/DENSITY: PHASE 2, PHASE 6
 FLASHING OPERATION: PHASE 2, PHASE 6 - YELLOW
 PHASE 3- RED
 PHASE 1- NO FLASH
 Δ OLA = - $\frac{C}{V}$ = 1, +GRN=2, FL RED



MISSISSIPPI DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL INSTALLATION

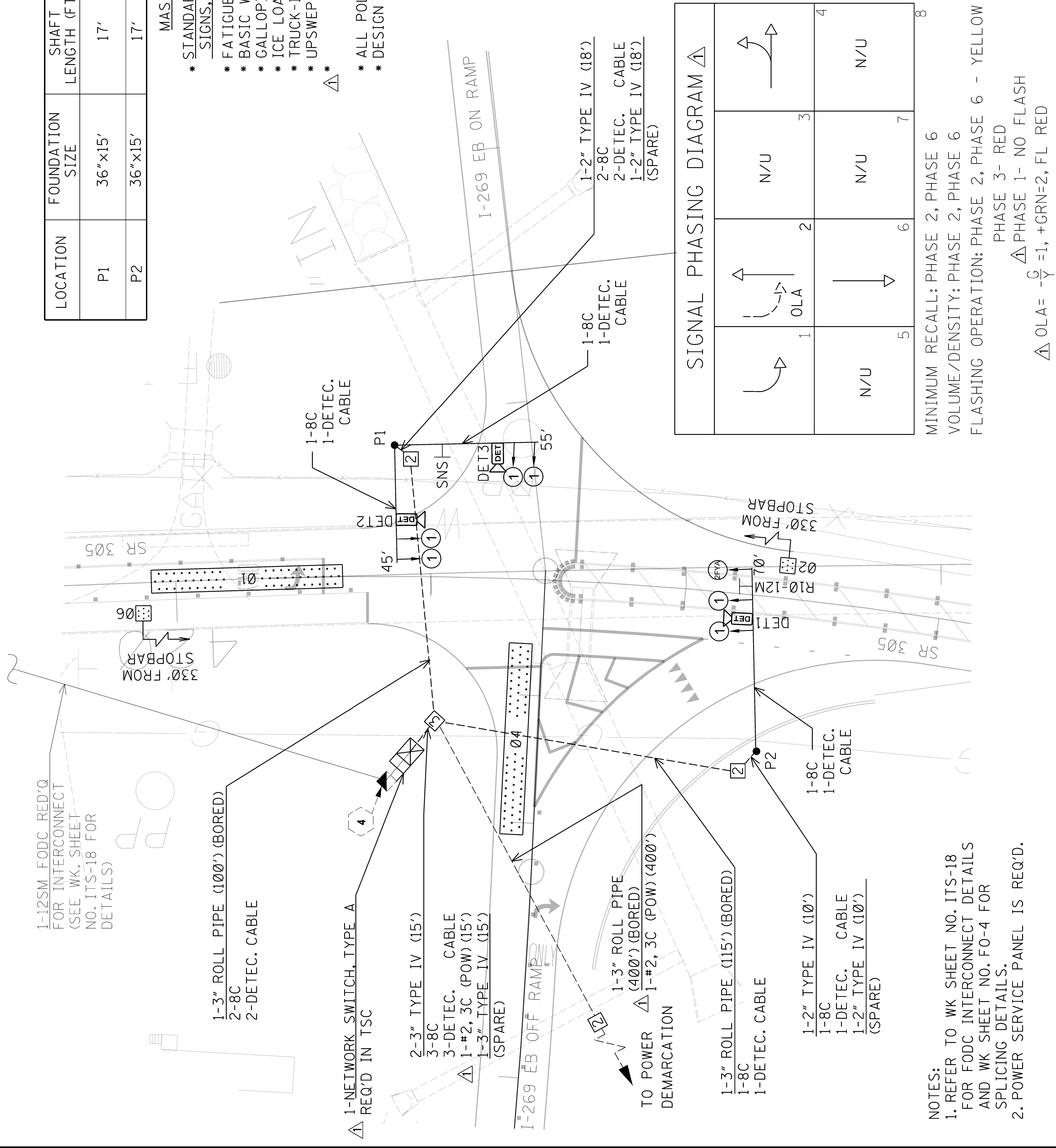
SR 305 @ I-269 EB
 ON RAMP

COUNTY: DESOTO
 PROJ. NUM.: STP-0029-02(017)

WORKING NUMBER: TSI-5
 SHEET NUMBER: 2006

DATE: 08/05/16
 BY: [Signature]
 REVISION: [Signature]
 UPDATED SHEET: [Signature]

FILENAME: TSI-5.DGN
 DESIGN TEAM: STANTEC CHECKED: [Signature] DATE: [Signature]



- NOTES:**
- REFER TO WK SHEET NO. ITS-18 FOR FODC INTERCONNECT DETAILS AND WK SHEET NO. FO-4 FOR SPLICING DETAILS.
 - POWER SERVICE PANEL IS REQ'D.

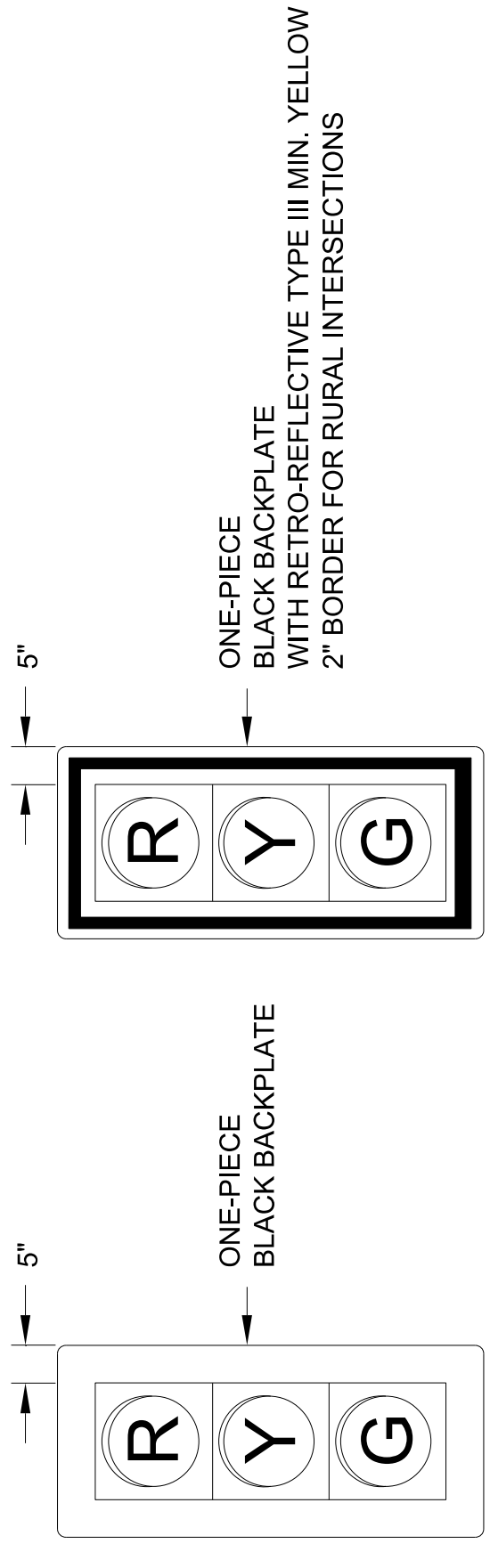
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|-------|------------------|
| STATE | PROJECT NO. |
| MISS. | STP-0029-02(017) |

DETAIL OF TYPICAL TRAFFIC SIGNAL HEADS

| TYPE 1 | TYPE 2 | TYPE 2 FYA | TYPE 3 | TYPE 4 | TYPE 5 | TYPE 6 | TYPE 7 | TYPE 8 |
|--------|--------|------------|--------|--------|--------|--------|--------|--------|
| | | | | | | | | |

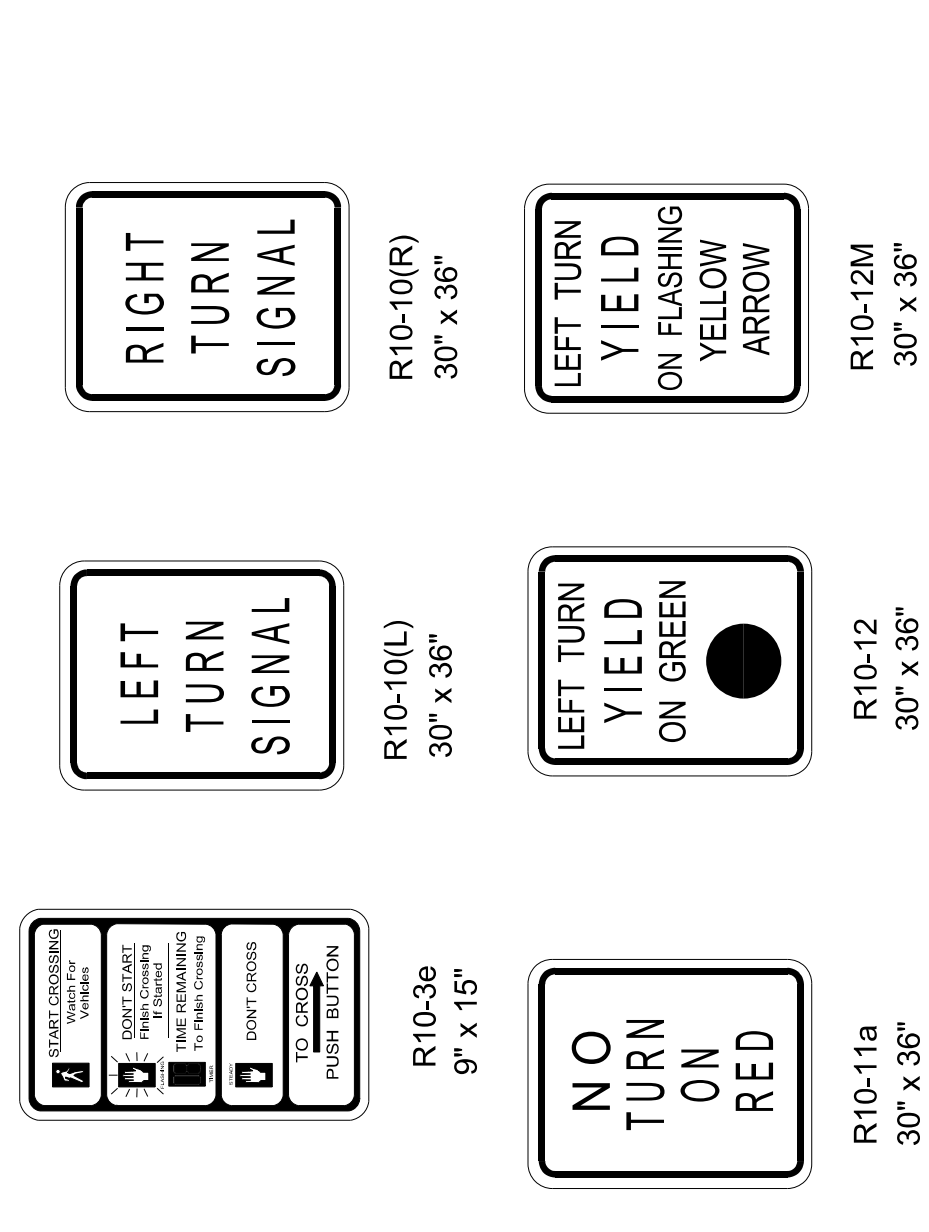
- NOTES:
1. ALL SIGNAL HEADS SHALL BE BLACK IN COLOR UNLESS OTHERWISE NOTED ON THE PLANS.
 2. ALL SIGNAL HEADS SHALL BE L.E.D. LENSES UNLESS OTHERWISE NOTED ON THE PLANS. TYPE "A" SIGNAL HEAD IS TO BE OPTICALLY PROGRAMMED VIA LOUVERS.
 3. LETTER "R" ON HEAD TYPES MEANS RIGHT TURN ARROW(S).
 4. TYPE 6 SIGNAL HEAD SHALL BE FURNISHED WITH R10-3e SIGN & PEDESTRIAN PUSHBUTTON. TYPE 6 SIGNAL HEAD SYMBOLS/NUMBERS SHALL BE FULLY ILLUMINATED (NO OUTLINE SYMBOLS ALLOWED).
 5. TYPE 7 SIGNAL HEAD SHALL BE FURNISHED WITH R10-12 SIGN WHEN INDICATED ON PLANS. TYPE 4 & 5 SIGNAL HEADS SHALL BE FURNISHED WITH R10-10L SIGNS.
 6. TYPE 2 FYA SIGNAL HEAD SHALL BE FURNISHED WITH A FYA SIGN. COST OF SIGNAL SIGNS SHALL BE COST ABSORBED.
 7. FOR SPAN WIRE INSTALLATION, THE HOUSING FOR THE RED INDICATION OF A TYPE 7 HEAD, SHALL BE ALUMINUM.

DETAIL OF TRAFFIC SIGNAL WITH BACKPLATE



- NOTE:
- ALL SIGNAL HEADS SHALL INCLUDE BACKPLATES UNLESS OTHERWISE NOTED ON TRAFFIC SIGNAL INSTALLATION SHEETS.

DETAIL OF TYPICAL TRAFFIC SIGNAL SIGNS



- NOTES:
1. ALUMINUM SIGN BLANKS ARE TO BE ALLOY 5052-H38 AND 0.08" (NOMINAL) THICK.
 2. THE SIGNS SHALL BE SUPPLIED WITH MOUNTING BRACKETS AS REQUIRED.
 3. NUMBER 12 PLATED JACK CHAINS SHALL BE ATTACHED TO THE BOTTOM OF ALL SPAN WIRE MOUNTED SIGNS.
 4. CHAINS SHALL BE ATTACHED TO SIGN AND TETHER USING "S" HOOKS.
 5. THE SIZE OF THE SIGN BLANK, LEGEND, BORDER AND THE COLOR OF THE BACKGROUND AND LEGEND IS TO CONFORM TO THE M.U.T.C.D.
 6. THE BACKGROUND SHALL BE REFLECTORIZED USING TYPE IX SHEETING.

GENERAL NOTES

1. INTERCONNECT CABLE SHALL BE EITHER IMSA 40-2 OR IMSA 40-4 SIGNAL CABLE, STRANDED, AWG NUMBER AND NUMBER OF CONDUCTORS AS SHOWN ON PLANS.
2. SIGNAL SUPPLY CABLE SHALL BE IMSA 20-1-1991 SIGNAL CABLE, STRANDED, AWG NUMBER AND NUMBER OF CONDUCTORS AS SHOWN ON PLANS.
3. POWER SUPPLY CABLE SHALL BE IMSA 20-1-2 CONDUCTOR CABLE, STRANDED, AWG NUMBER AS SHOWN ON PLANS.
4. DETECTOR SHIELDED CABLE SHALL BE IMSA 50-2 SIGNAL CABLE, AWG #14 STRANDED COPPER CONDUCTORS, UNLESS OTHERWISE NOTED ON THE PLANS.
5. POLES, SIGNAL HEADS, EQUIPMENT BOXES, PULLBOXES AND CONDUIT MAY BE VARIED SLIGHTLY TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. HOWEVER, SIGNAL HEAD OR POLE LOCATIONS SHALL BE WITHIN REQUIREMENTS OUTLINED IN THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND HIGHWAY DESIGN AND OPERATIONAL PRACTICES RELATED TO HIGHWAY SAFETY.
6. POLES AND FOUNDATIONS OF EXISTING SIGNAL INSTALLATIONS SHALL BE CUT OFF 6" BELOW GROUND OR REMOVED AND AREA RESTORED TO MATCH ADJACENT SURFACE AS DIRECTED BY THE ENGINEER.
7. LOOP AMPLIFIERS SHALL BE REQUIRED AS SHOWN ON PLANS WHERE TWO OR MORE LOOPS ARE CONNECTED TO THE SAME CHANNEL, THEY SHALL BE WIRED IN SERIES.
8. THE CONTRACTOR SHALL PROVIDE MAST ARM POLE DESIGN CERTIFICATION AND CALCULATIONS AS OUTLINED IN SECTION 722.02 OF STANDARD SPECIFICATIONS. DESIGN STANDARD FOR MAST ARMS POLES SHALL BE 2013 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS. USE FATIGUE CATEGORY II. DO NOT CONSIDER GALLOPING OR TRUCK FORCES. USE 50 YEAR DESIGN LIFE. WIND AND ICE LOADS VARIABLE BASED UPON MAPS IN THE 2013 AASHTO SPECIFICATION. USE UPSWEEP MAST ARMS.
9. DETERMINATION OF REQUIRED SIZES, LENGTHS AND GAUGES OF TYPE I, II, III AND IV STEEL POLES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR IN ACCORDANCE WITH THE PLANS AND SECTION 722.02 OF THE STANDARD SPECIFICATIONS, UNLESS OTHERWISE SPECIFIED IN PLANS OR SPECIFICATIONS.
10. THE TOP OF THE STRAIN POLE FOUNDATION SHALL BE 6" ABOVE THE GROUND. THE CONTRACTOR SHALL PROVIDE POLES OF SUFFICIENT LENGTH PLUS 2 FEET TO PROVIDE REQUIRED VERTICAL CLEARANCE OF THE TRAFFIC SIGNAL HEADS WITHOUT EXTENDING THE FOUNDATION ABOVE THE GROUND LINE OF THE POINT WHERE THE POLE IS LOCATED, EVEN THOUGH THIS MAY BE BELOW THE FINISHED GRADE OF THE ROADWAY.
11. ALL STRAIN POLES AT AN INTERSECTION SHALL BE THE SAME DIAMETER AND UTILIZE THE SAME BOLT CIRCLE SPACING.
12. POLE FOUNDATIONS AND BASE MOUNTED CABINET FOUNDATIONS GRADE SHALL BE ESTABLISHED TO ±3" OF EDGE OF PAVEMENT ELEVATION AS DIRECTED BY THE ENGINEER
13. TRAFFIC SIGNAL CABINETS AND CONTROLLERS SHALL BE WIRED TO PROVIDE FOR ALL PHASES INCLUDING FUTURE PHASES IN ACCORDANCE WITH THE PHASE SEQUENCE DIAGRAM.
14. ALL EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED AND SALVAGED BY THE CONTRACTOR WITH THE COST TO BE ABSORBED, UNLESS OTHERWISE NOTED IN THE PLANS. THE EXISTING POLES, CABINETS, CONTROLLERS, TRAFFIC SIGNAL HEADS, AND OTHER ITEMS AS NOTED ON PLANS ARE TO BE STOCKPILED AS DIRECTED BY THE ENGINEER FOR PICKUP BY STATE FORCES OR AS NOTED ON PLANS. ALL OTHER SIGNAL EQUIPMENT SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
15. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ELECTRICAL SERVICE FROM THE POWER COMPANY SERVICE POINT TO THE TRAFFIC SIGNAL CONTROLLER. FOR SPAN WIRE INSTALLATION, POWER SHALL RUN FROM THE POWER COMPANY SERVICE POINT AERIAL TO THE SIGNAL POLE NEAREST THE CONTROLLER. THE SERVICE SHALL THEN RUN TO THE CONTROLLER AS SHOWN ON THE PLANS. FOR MAST ARM INSTALLATION, POWER SHALL RUN FROM THE POWER COMPANY SERVICE POINT UNDERGROUND DIRECTLY TO THE POWER SERVICE PANEL. THEN TO THE CONTROLLER AS SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAKE APPLICATION WITH THE POWER COMPANY IN ADVANCE OF NEEDING THE SERVICE. INSTALLATION OF NEW SERVICE POLE (IF NEEDED) IS THE RESPONSIBILITY OF THE CONTRACTOR AND IS COST ABSORBED.
16. IF IT IS NECESSARY TO RUN ELECTRIC SERVICE CABLE FROM ONE POLE TO ANOTHER, THE SERVICE CABLE SHALL BE LASHED TO A SEPARATE MESSENGER CABLE LOCATED 1 FOOT MIN. ABOVE THE SIGNAL CABLE.
17. VEHICLE LOOP ASSEMBLIES SHALL BE INSTALLED IN THE TOP LAYER OF BINDER OR EXISTING SURFACE BEFORE THE FINAL SURFACE COURSE IS APPLIED.
18. PEDESTRIAN PUSHBUTTONS AND SIGNS TO BE INCLUDED IN PAY ITEM FOR TYPE 6 HEADS AT NO ADDITIONAL COST. SIDE OF POLE LOCATIONS OF PUSHBUTTONS MAY BE FIELD ADJUSTED.
19. FIELD DRILL AND TAP EXISTING POLES WHERE PEDESTRIAN SIGNALS AND PUSHBUTTONS ARE REQUIRED ON PLANS. (ABSORBED ITEM).
20. REFER TO WORKING NUMBER TSD-5 "CONDUIT ENTRANCE DETAIL" WHEN NEW CONDUIT(S) ARE REQUIRED AT EXISTING SIGNAL POLES OR CONTROLLERS.
21. MESSENGER CABLE AND OTHER SUPPORTING DEVICES WHERE REQUIRED SHALL BE ABSORBED IN THE PAY ITEMS FOR ELECTRIC CABLE.
22. FOR PROTECTED/PERMITTED LEFT TURN PHASING; TYPE 7 OR 7A TRAFFIC SIGNAL HEADS (FIVE SECTION HEADS) SHALL OPERATE SUCH THAT THE CIRCULAR INDICATIONS DISPLAYED WILL BE IDENTICAL AND SIMULTANEOUS TO THE CIRCULAR INDICATIONS FOR THE ADJACENT THROUGH MOVEMENT SIGNAL HEADS: A CIRCULAR RED AND EITHER A GREEN ARROW OR YELLOW ARROW MAY BE DISPLAYED SIMULTANEOUSLY IN THE SAME FIVE SECTION HEAD. FOR TYPE 2 FYA TRAFFIC SIGNAL HEADS, OPERATION SHALL BE AS FOLLOWS: THE PROTECTED PHASE OF THIS OPERATION SHALL DISPLAY A SOLID GREEN ARROW, FOLLOWED BY A SOLID YELLOW ARROW, AND ENDING WITH A SOLID RED ARROW. THE PERMITTED PORTION OF THIS OPERATION SHALL START WITH A FLASHING YELLOW ARROW, FOLLOWED BY A SOLID YELLOW ARROW, AND ENDING WITH A SOLID RED ARROW. THERE SHALL BE A DELAY (AS DIRECTED BY THE ENGINEER) BETWEEN THE END OF THE PROTECTED PORTION OF THIS OPERATION AND THE BEGINNING OF THE PERMITTED PORTION OF THIS OPERATION. DURING THIS DELAY, THE OPPOSING PHASE THRU HEADS ARE CAPABLE OF DISPLAYING A GREEN BALL. SIGNAL CONTROLLER WITH FIRMWARE NECESSARY TO ACCOMPLISH THIS DELAY SHALL BE PROVIDED.
23. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY SIGNALS IF NECESSARY TO ACCOMMODATE ROADWAY CONSTRUCTION AND SHALL BE PAID FOR UNDER PAY ITEM 619-H1, TRAFFIC SIGNALS.
24. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING FINAL INSPECTION MEETING WITH DISTRICT OFFICE, PROJECT OFFICE AND TRAFFIC ENGINEERING FOR SIGNAL PORTION OF THE PROJECT.
25. THERE SHALL BE A 30 DAY BURN IN PERIOD FROM THE TIME THE SIGNAL IS OPERATIONAL AS OUTLINED IN SECTION 634.03.3 OF THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2004 EDITION.
26. EMERGENCY VEHICLE PREEMPTION (WHERE REQUIRED ON THE PLANS) SHALL HAVE A SECURITY ENABLED PHASE SELECTOR.

| | | |
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| DATE | REVISION | BY |
| 08/05/16 | UPDATED SHEET | JMR |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAIL OF TRAFFIC SIGNAL HEADS, TRAFFIC SIGNAL SIGNS, AND GENERAL NOTES

COUNTY: DESOTO

PROJ. NUM.: STP-0029-02(017)

FILENAME: TSD-1 (REV. 2-29-16).DCN

WORKING NUMBER: TSD-1

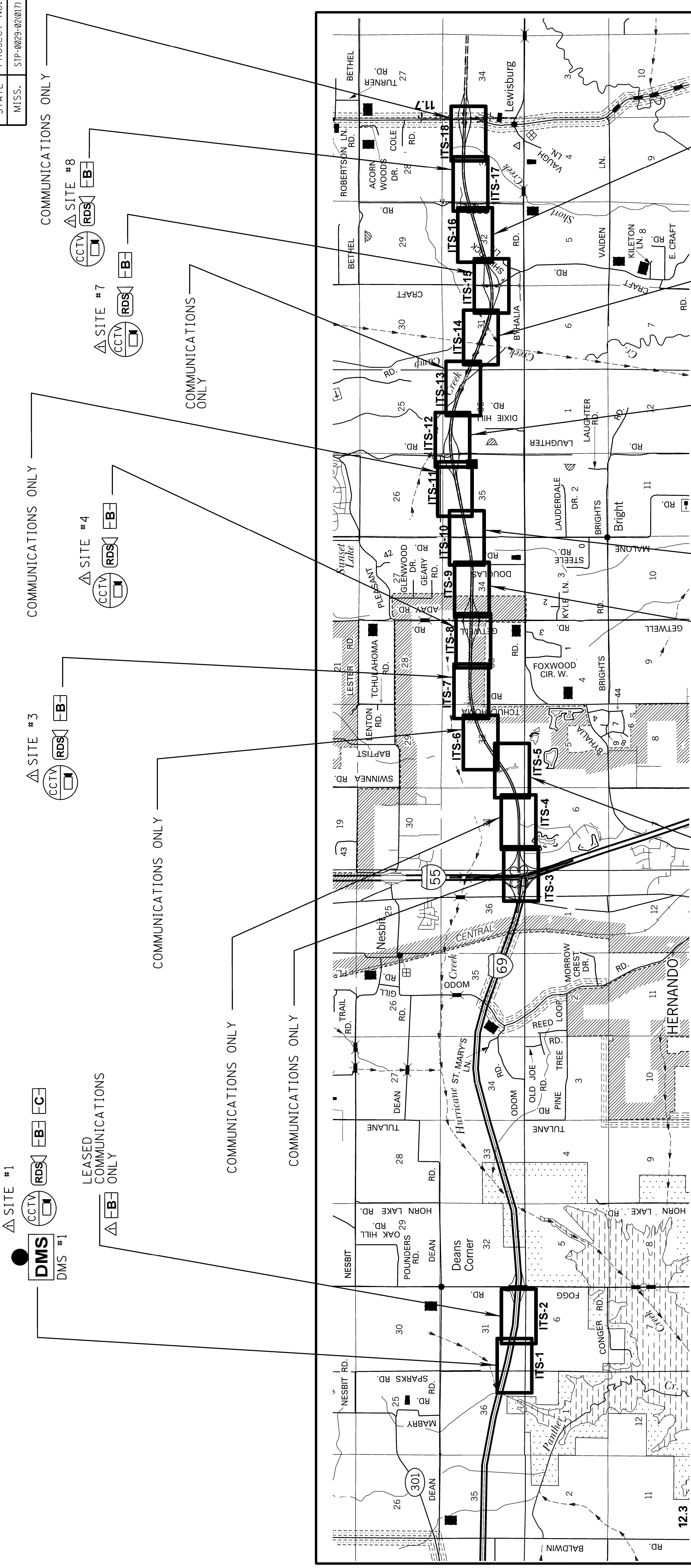
SHEET NUMBER: 2007

DESIGN TEAM: STANTEC

CHECKED: _____

DATE: _____

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| STATE | MISS. |
| PROJECT NO. | STP-0029-02(017) |



| LEGEND | |
|---------|-----------------------------|
| [FB] | CABINET (ALL OTHER TYPES) |
| [CCTV] | CCTV (ALL TYPES) |
| [RDS] | RADAR DETECTOR (HARD-WIRED) |
| [DMS] | DMS (ROADSIDE) |
| [ITS-X] | SHEET WORKING NO. |

COMMUNICATIONS ONLY

△ SITE #2 [CCTV] [RDS] [FB]

COMMUNICATIONS ONLY

△ SITE #3 [CCTV] [RDS] [FB] [C]

COMMUNICATIONS ONLY

△ SITE #4 [CCTV] [RDS] [FB]

COMMUNICATIONS ONLY

△ SITE #5 [CCTV] [RDS] [FB] [C]

COMMUNICATIONS ONLY

△ SITE #6 [CCTV] [RDS] [FB]

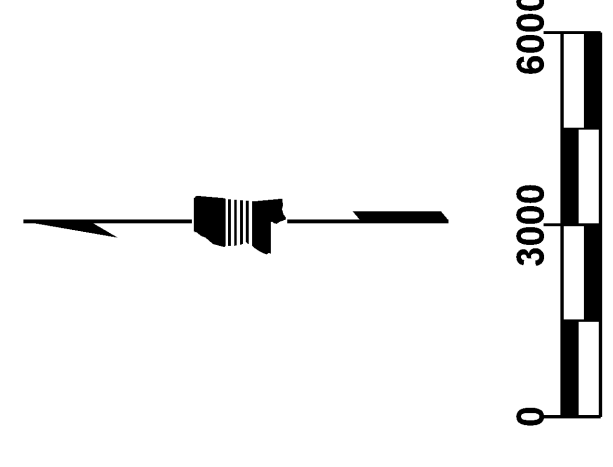
COMMUNICATIONS ONLY

△ SITE #7 [CCTV] [RDS] [FB]

COMMUNICATIONS ONLY

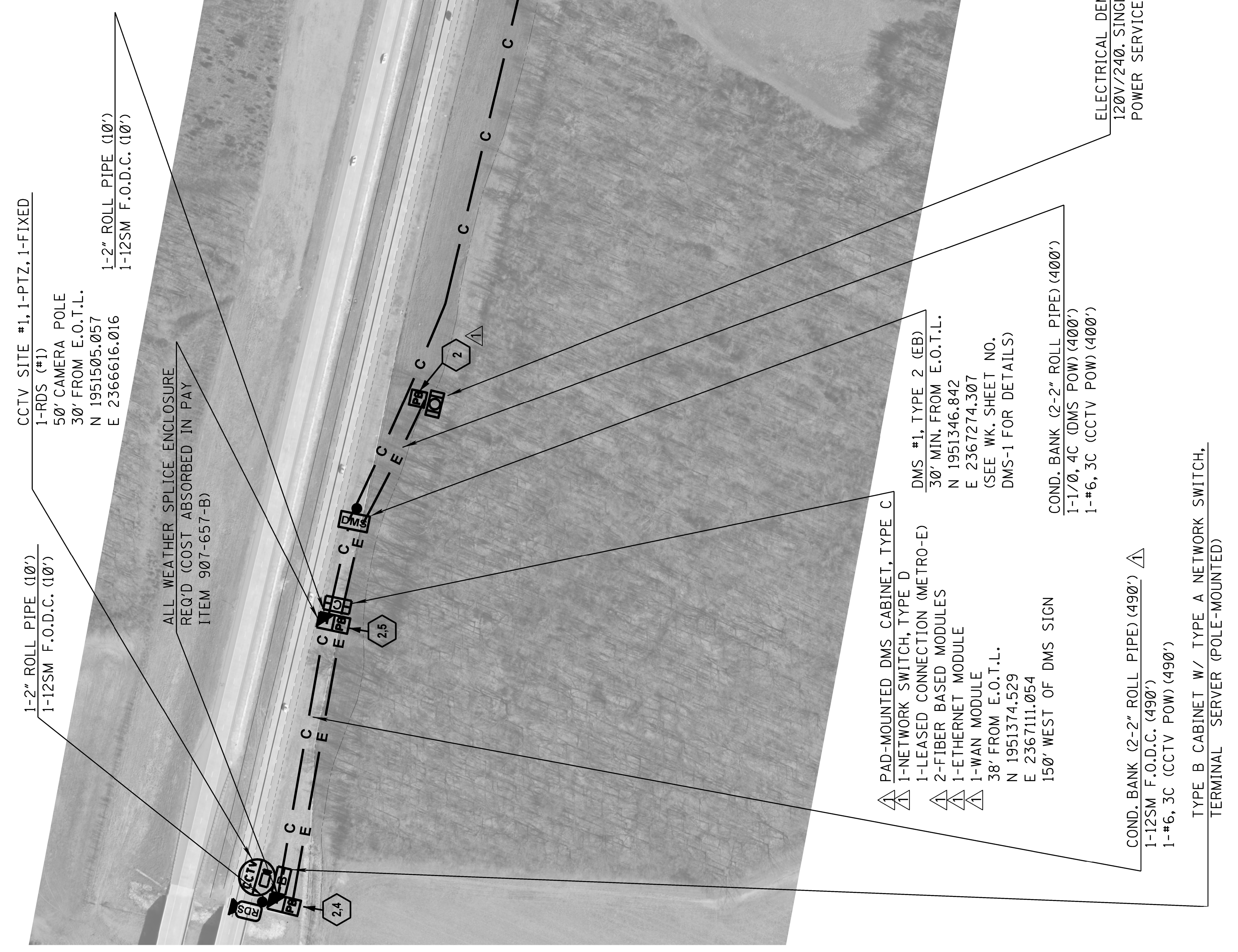
△ SITE #8 [CCTV] [RDS] [FB]

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| MISSISSIPPI DEPARTMENT OF TRANSPORTATION | |
| ITS PROJECT LOCATION MAP | |
| DATE | 08/05/16 |
| BY | JMR |
| REVISION | |
| REVISED SHEET | |
| WORKING NUMBER | LP-1 |
| SHEET NUMBER | 3001 |
| COUNTY: | DESOTO |
| PROJ. NUM.: | STP-0029-02(017) |
| FILENAME: | LP-1.DGN |
| DESIGN TEAM | STANTEC |
| CHECKED | |
| DATE | |



| | |
|-------------|------------------|
| STATE | MISS. |
| PROJECT NO. | STP-0029-02(017) |

- GENERAL NOTES (WKG. NO. ITS-1):**
1. WORK AT THIS SITE INCLUDES FURNISHING AND INSTALLING A TYPE 2 DYNAMIC MESSAGE SIGN AND STRUCTURE, CCTV CAMERAS W/CAMERA POLE, EQUIPMENT CABINET, RDS, COMMUNICATION EQUIPMENT, POWER SUPPLY FROM SERVICE POINT, AND ALL RELATED CONDUIT, PULLBOXES, ELECTRIC CABLE, TESTING, TRAINING, AND ALL OTHER APPURTENANCES REQUIRED TO PROVIDE MDOT WITH A COMPLETE AND OPERATIONAL INSTALLATION, AS SHOWN ON THE PLANS AND FURTHER DESCRIBED IN THE PROJECT SPECIFICATIONS.
 2. CONTRACTOR/SUPPLIER SHALL INSTALL ALL EQUIPMENT REQUIRED FOR THIS INSTALLATION IN THE DMS CABINET (TYPE C) AS INDICATED. SHOULD ADDITIONAL SPACE BE REQUIRED, DUE TO MANUFACTURER SPECIFIC REQUIREMENTS, THE CONTRACTOR/SUPPLIER SHALL SUBMIT ALTERNATE CABINET INFORMATION TO ENGINEER FOR REVIEW/APPROVAL PRIOR TO INSTALLATION. ALTERNATE CABINET SHALL BE PROVIDED AT NO ADDITIONAL COST.
 3. CONTRACTOR SHALL COORDINATE WITH MDOT AND ENTERGY-MS FOR POWER SERVICE. CONTACT INFORMATION: 1-800-368-3749
 4. COMMUNICATION FOR THIS SITE SHALL BE PROVIDED VIA LEASED LINE (METRO-E SERVICE). CONTRACTOR SHALL COORDINATE WITH MDOT AND AT&T TO PROVIDE SERVICES AT THIS LOCATION.



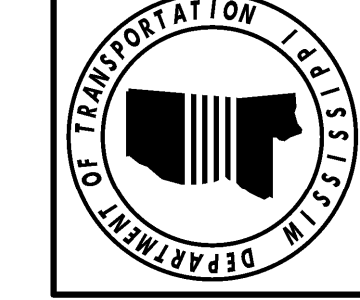
MATCHLINE A-A (SEE WK. NO. ITS-2)

| DATE | BY | REVISION |
|----------|-----|---------------|
| 08/05/16 | JMR | UPDATED SHEET |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ITS PLAN
I-69 EB (W OF FOGG RD)
DMS SITE #1

COUNTY: DESOTO
 PROJ. NUM.: STP-0029-02(017)
 FILENAME: ITS-1.DGN
 DESIGN TEAM: STANTEC CHECKED: DATE: _____

WORKING NUMBER: ITS-1
 SHEET NUMBER: 3002



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|-------|------------------|
| STATE | PROJECT NO. |
| MISS. | STP-0029-02(017) |

FOGG RD EB
TAPER BEGINS

COND. BANK (2-2" ROLL PIPE) (1190')
1-72SM F.O.C. (1190')

ALL WEATHER SPLICE
ENCLOSURE REQ'D
(COST ABS. IN PAY
ITEM 907-657-B)

1-2" ROLL PIPE (40')
1-12SM F.O.D.C. (40')

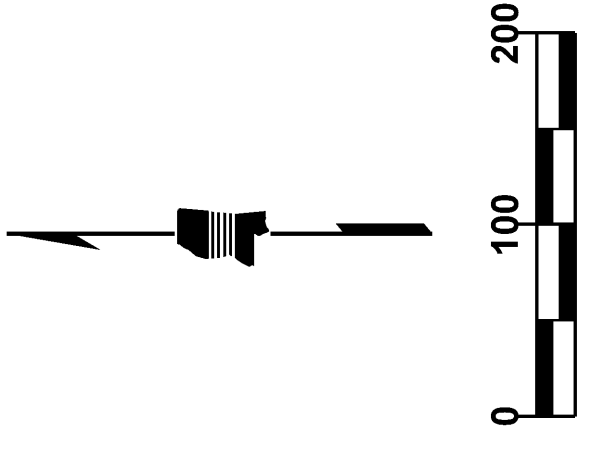
TYPE B CABINET (TIMBER POLE MOUNTED, COST ABSORBED) REQ'D
1-NETWORK SWITCH, TYPE D
ALL ADDITIONAL HARDWARE TO CONVERT
COMMUNICATIONS TO LIGHT, LIGHTNING
PROTECTION, ETC. SHALL BE COST ABS.

COMMUNICATION DEMARICATION
LEASED BACKHAUL CONNECTION
REQ'D (METRO-E SERVICE)



MATCHLINE A-A (SEE WK. NO. ITS-1)

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|----------|---------------|
| JMR | BY |
| | REVISION |
| | UPDATED SHEET |
| 08/05/16 | DATE |
| | DESIGN TEAM |
| | CHECKED |
| | DATE |



MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ITS PLAN
I-69 EB (W OF FOGG RD)

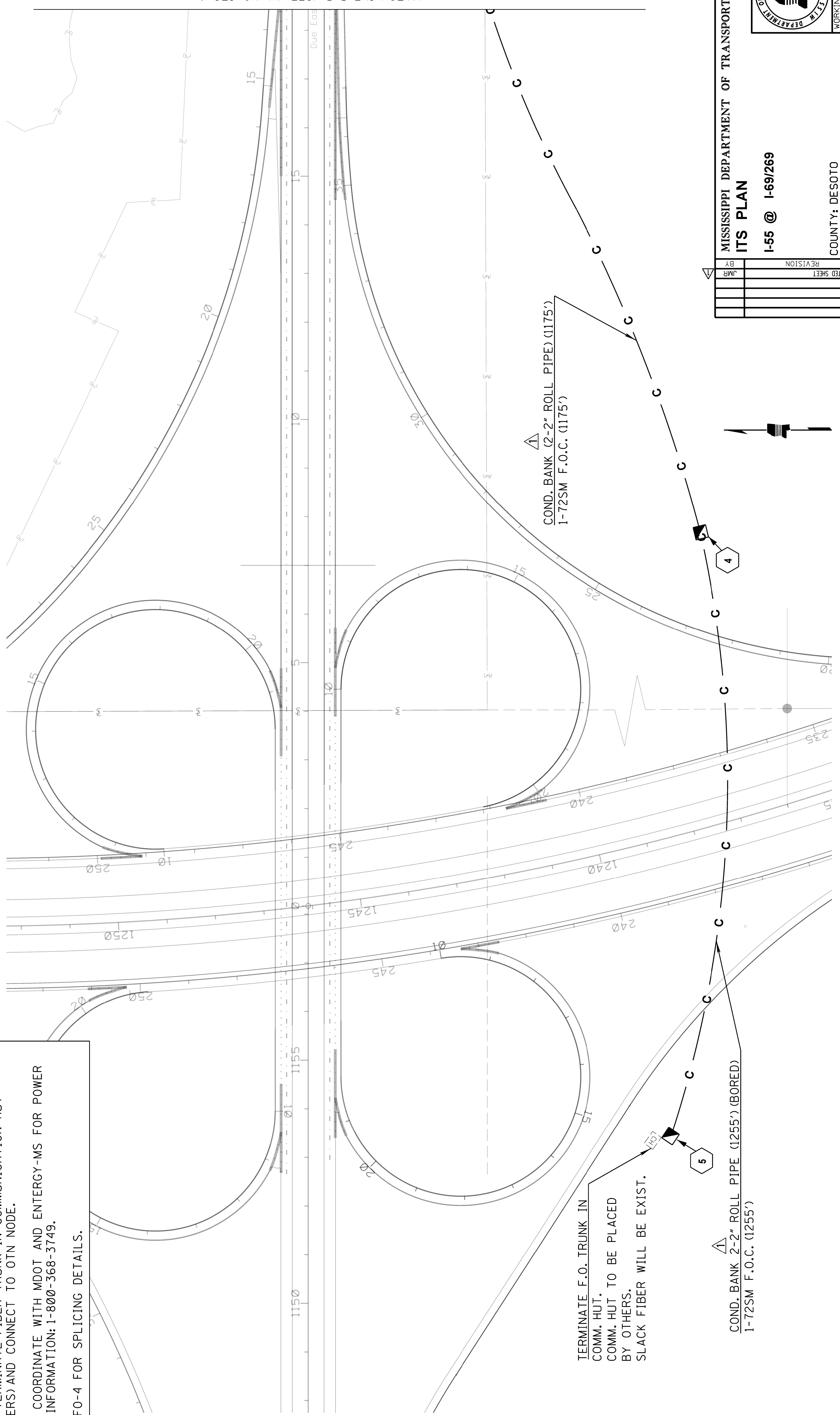
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PROJ. NUM.: STP-0029-02(017)
FILENAME: ITS-2.DGN
DESIGN TEAM: STANTEC

WORKING NUMBER
ITS-2
SHEET NUMBER
3003

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| STATE | PROJECT NO. |
| MISS. | STP-0029-02(017) |

GENERAL NOTES (WKG. NO. IIS-3):

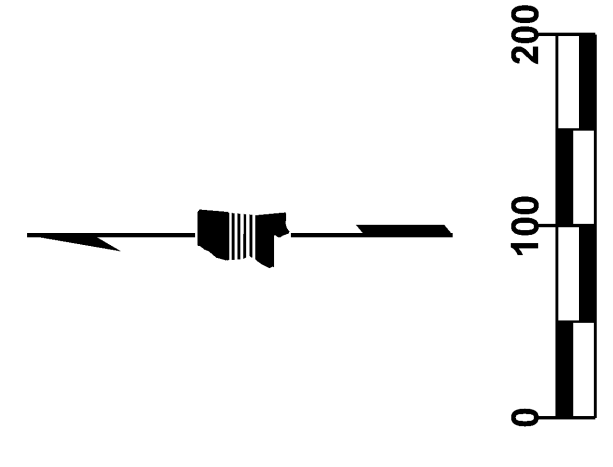
1. WORK AT THIS SITE INCLUDES FURNISHING AND INSTALLING COMMUNICATION EQUIPMENT AND ALL RELATED CONDUIT, PULLBOXES, AND ALL OTHER APPURTENANCES REQUIRED TO PROVIDE MDOT WITH A COMPLETE AND OPERATIONAL INSTALLATION, AS SHOWN ON THE PLANS AND FURTHER DESCRIBED IN THE PROJECT SPECIFICATIONS.
2. CONTRACTOR SHALL TERMINATE FIBER TRUNK IN COMMUNICATION HUT (INSTALLED BY OTHERS) AND CONNECT TO OTN NODE.
3. CONTRACTOR SHALL COORDINATE WITH MDOT AND ENTERGY-MS FOR POWER SERVICE. CONTACT INFORMATION: 1-800-368-3749.
4. SEE WK. SHEET NO. FO-4 FOR SPLICING DETAILS.



TERMINATE F.O. TRUNK IN COMM. HUT.
 COMM. HUT TO BE PLACED BY OTHERS.
 SLACK FIBER WILL BE EXIST.

COND. BANK 2-2" ROLL PIPE (1255') (BORED)
 1-72SM F.O.C. (1255')

COND. BANK 2-2" ROLL PIPE (1175')
 1-72SM F.O.C. (1175')



MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ITS PLAN
 I-55 @ I-69/269

| | |
|---------------|----------|
| BY | JMR |
| REVISION | |
| UPDATED SHEET | |
| DATE | 08/05/16 |

COUNTY: DESOTO
 PROJ. NUM.: STP-0029-02(017)
 FILENAME: ITS-3.DGN
 DESIGN TEAM: STANTEC CHECKED: DATE: _____

WORKING NUMBER
IIS-3
 SHEET NUMBER
3004

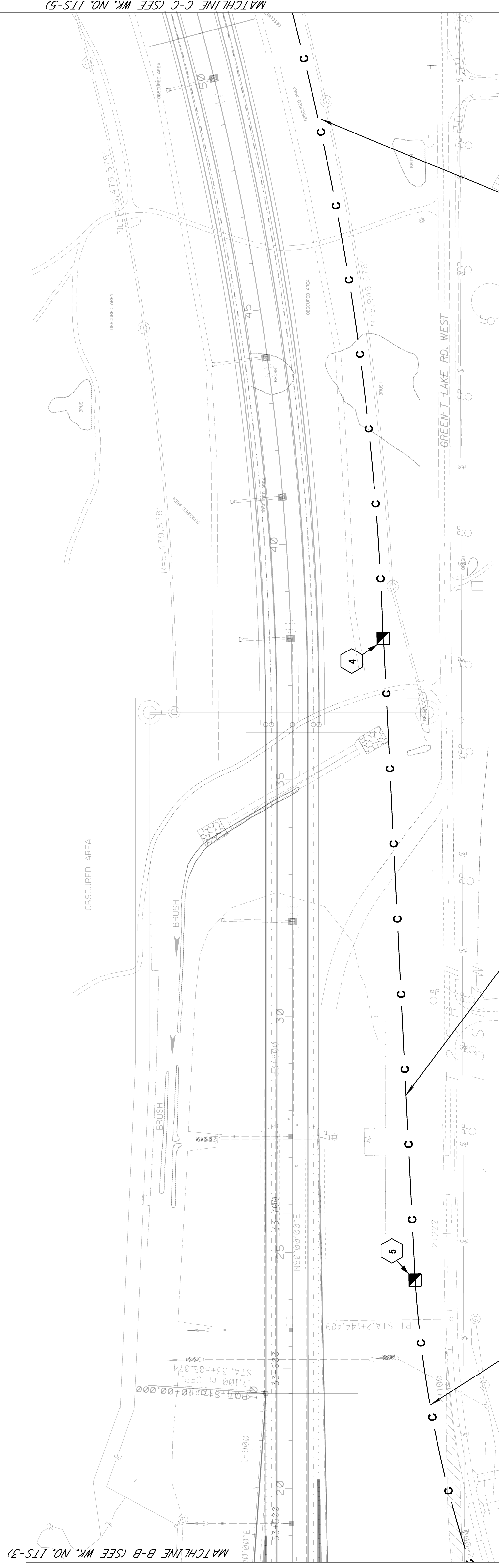
MATCHLINE B-B (SEE WK. NO. ITS-4)

| | |
|-------|------------------|
| STATE | PROJECT NO. |
| MISS. | STP-0029-02(017) |

MATCHLINE B-B (SEE WK. NO. ITS-3)

PLAN DIVISION

9/1/2016 09:11:51 ITS-4.DGN



COND. BANK (2-2" ROLL PIPE) (1350')

1-72SM F.O.C. (1350')

COND. BANK (2-2" ROLL PIPE) (1360') (BORED)

1-72SM F.O.C. (1360')

COND. BANK (2-2" ROLL PIPE) (620')

1-72SM F.O.C. (620')

| NO. | DATE | BY | REVISION |
|-----|----------|-----|---------------|
| 01 | 08/05/16 | JMR | UPDATED SHEET |
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MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ITS PLAN
I-269

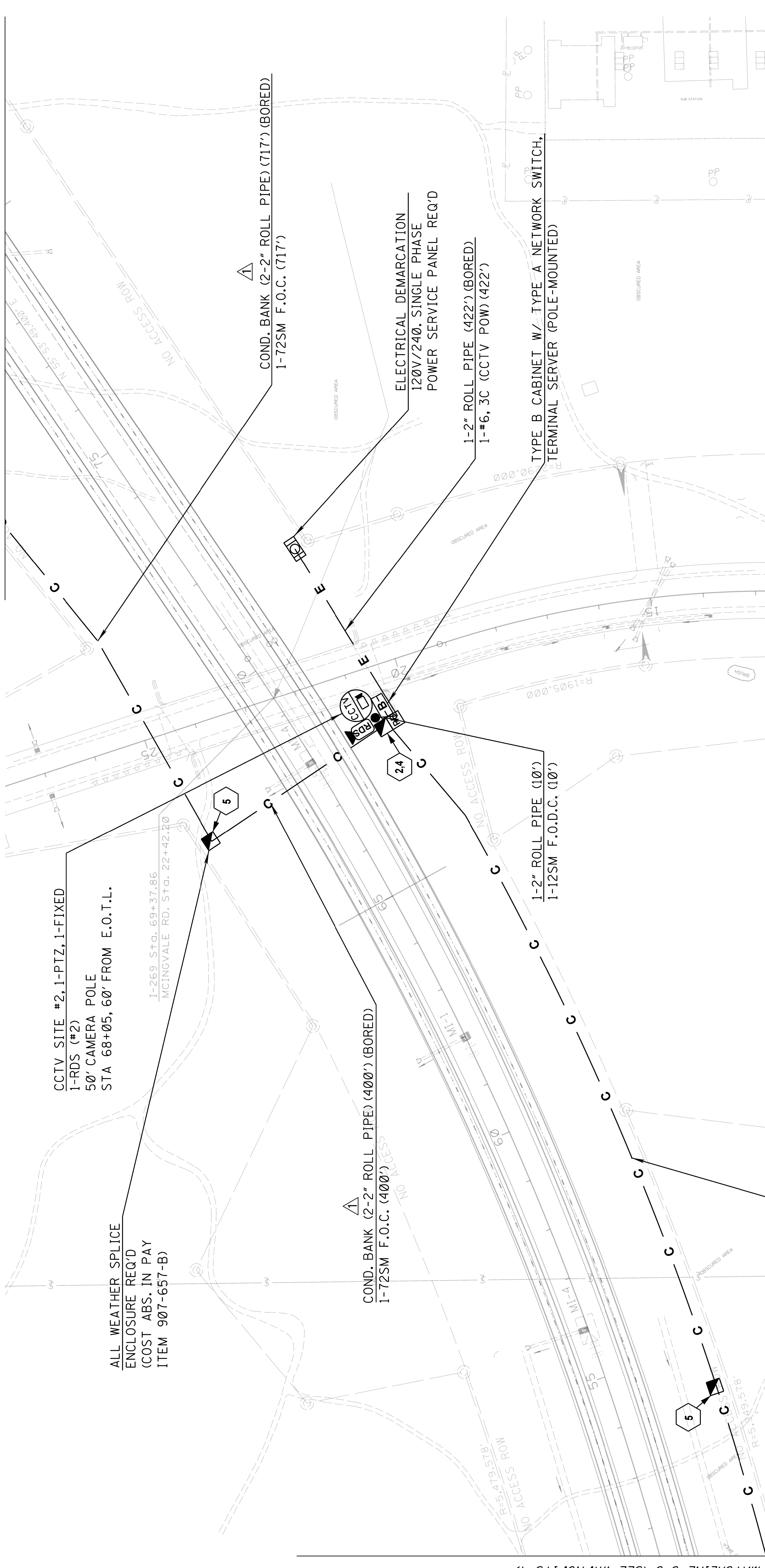
COUNTY: DESOTO
PROJ. NUM.: STP-0029-02(017)
FILENAME: ITS-4.DGN
DESIGN TEAM: STANTEC - CHECKED DATE: _____

WORKING NUMBER: ITS-4
SHEET NUMBER: 3005



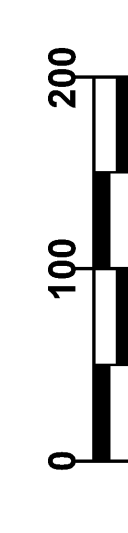
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| STATE | MISS. | PROJECT NO. | STP-0029-02(017) |
|-------|-------|-------------|------------------|

MATCHLINE D-D (SEE WK. NO. ITS-6)



GENERAL NOTES (WKG. NO. ITS-5):

1. WORK AT THIS SITE INCLUDES FURNISHING AND INSTALLING CCTV CAMERAS W/CAMERA POLE, EQUIPMENT CABINET, RDS, COMMUNICATION EQUIPMENT, POWER SUPPLY FROM SERVICE POINT, AND ALL RELATED CONDUIT, PULLBOXES, ELECTRIC CABLE, TESTING, TRAINING, AND ALL OTHER APPURTENANCES REQUIRED TO PROVIDE MDOT WITH A COMPLETE AND OPERATIONAL INSTALLATION, AS SHOWN ON THE PLANS AND FURTHER DESCRIBED IN THE PROJECT SPECIFICATIONS.
2. CONTRACTOR/SUPPLIER SHALL INSTALL ALL EQUIPMENT REQUIRED FOR THIS INSTALLATION IN THE CCTV CABINET (TYPE B) AS INDICATED. SHOULD ADDITIONAL SPACE BE REQUIRED, DUE TO MANUFACTURER SPECIFIC REQUIREMENTS, THE CONTRACTOR/SUPPLIER SHALL SUBMIT ALTERNATE CABINET INFORMATION TO ENGINEER FOR REVIEW/APPROVAL PRIOR TO INSTALLATION. ALTERNATE CABINET SHALL BE PROVIDED AT NO ADDITIONAL COST.
3. CONTRACTOR SHALL COORDINATE WITH MDOT AND ENERGY-MS FOR POWER SERVICE. CONTACT INFORMATION: 1-800-368-3749.
4. SEE WK. SHEET NO. FO-4 FOR SPLICING DETAILS.

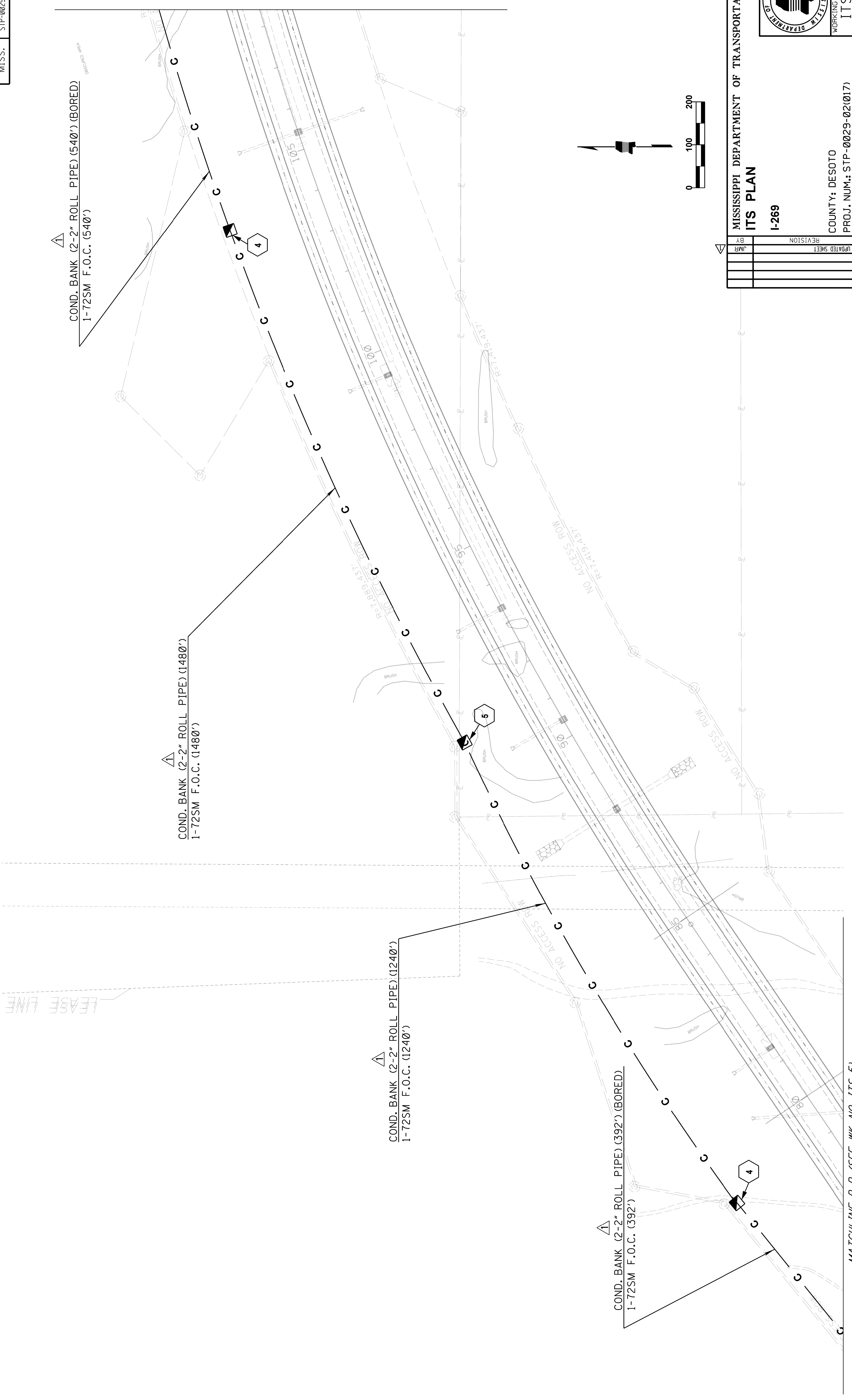


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| MISSISSIPPI DEPARTMENT OF TRANSPORTATION | |
| ITS PLAN | |
| I-269 @ MCINGVALE RD | |
| COUNTY: | DESOTO |
| PROJ. NUM.: | STP-0029-02(017) |
| FILENAME: | ITS-5.DGN |
| DESIGN TEAM | STANTEC - CHECKED |
| DATE | |
| WORKING NUMBER | ITS-5 |
| SHEET NUMBER | 3006 |



MATCHLINE C-C (SEE WK. NO. ITS-4)

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| STATE | PROJECT NO. |
| MISS. | STP-0029-02(017) |

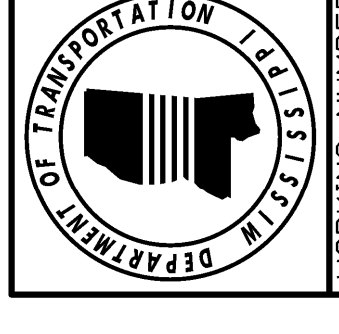


| | | | |
|---------------|----------|---------------|-----|
| DATE | 08/05/16 | BY | JMR |
| REVISION | | REVISION | |
| UPDATED SHEET | | UPDATED SHEET | |

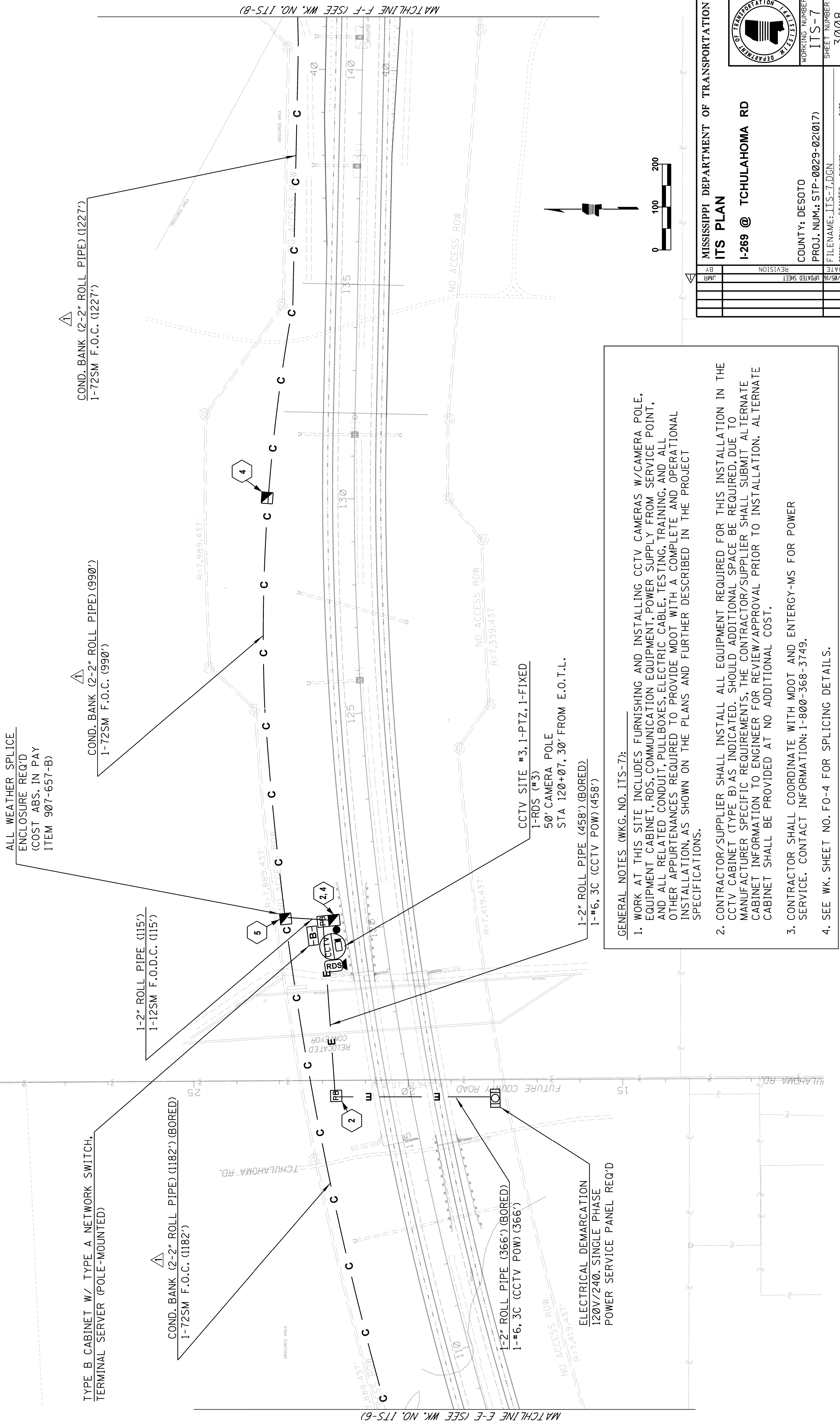
COUNTY: DESOTO
 PROJ. NUM.: STP-0029-02(017)
 FILENAME: ITS-6.DGN
 DESIGN TEAM: STANTEC - CHECKED _____ DATE _____

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ITS PLAN
 I-269

WORKING NUMBER: ITS-6
 SHEET NUMBER: 3007



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| STATE | MISS. |
| PROJECT NO. | STP-0029-02(017) |



GENERAL NOTES (WKG. NO. ITS-7):

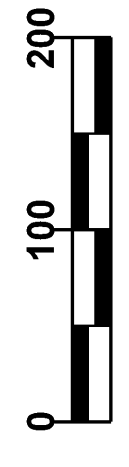
1. WORK AT THIS SITE INCLUDES FURNISHING AND INSTALLING CCTV CAMERAS W/CAMERA POLE, EQUIPMENT CABINET, RDS, COMMUNICATION EQUIPMENT, POWER SUPPLY FROM SERVICE POINT, AND ALL RELATED CONDUIT, PULLBOXES, ELECTRIC CABLE, TESTING, TRAINING, AND ALL OTHER APPURTENANCES REQUIRED TO PROVIDE MDOT WITH A COMPLETE AND OPERATIONAL INSTALLATION, AS SHOWN ON THE PLANS AND FURTHER DESCRIBED IN THE PROJECT SPECIFICATIONS.
2. CONTRACTOR/SUPPLIER SHALL INSTALL ALL EQUIPMENT REQUIRED FOR THIS INSTALLATION IN THE CCTV CABINET (TYPE B) AS INDICATED. SHOULD ADDITIONAL SPACE BE REQUIRED, DUE TO MANUFACTURER SPECIFIC REQUIREMENTS, THE CONTRACTOR/SUPPLIER SHALL SUBMIT ALTERNATE CABINET INFORMATION TO ENGINEER FOR REVIEW/APPROVAL PRIOR TO INSTALLATION. ALTERNATE CABINET SHALL BE PROVIDED AT NO ADDITIONAL COST.
3. CONTRACTOR SHALL COORDINATE WITH MDOT AND ENTERGY-MS FOR POWER SERVICE. CONTACT INFORMATION: 1-800-368-3749.
4. SEE WK. SHEET NO. FO-4 FOR SPLICING DETAILS.

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|---------------|----------|----|-----|
| DATE | 08/05/16 | BY | JMR |
| REVISION | | | |
| UPDATED SHEET | | | |

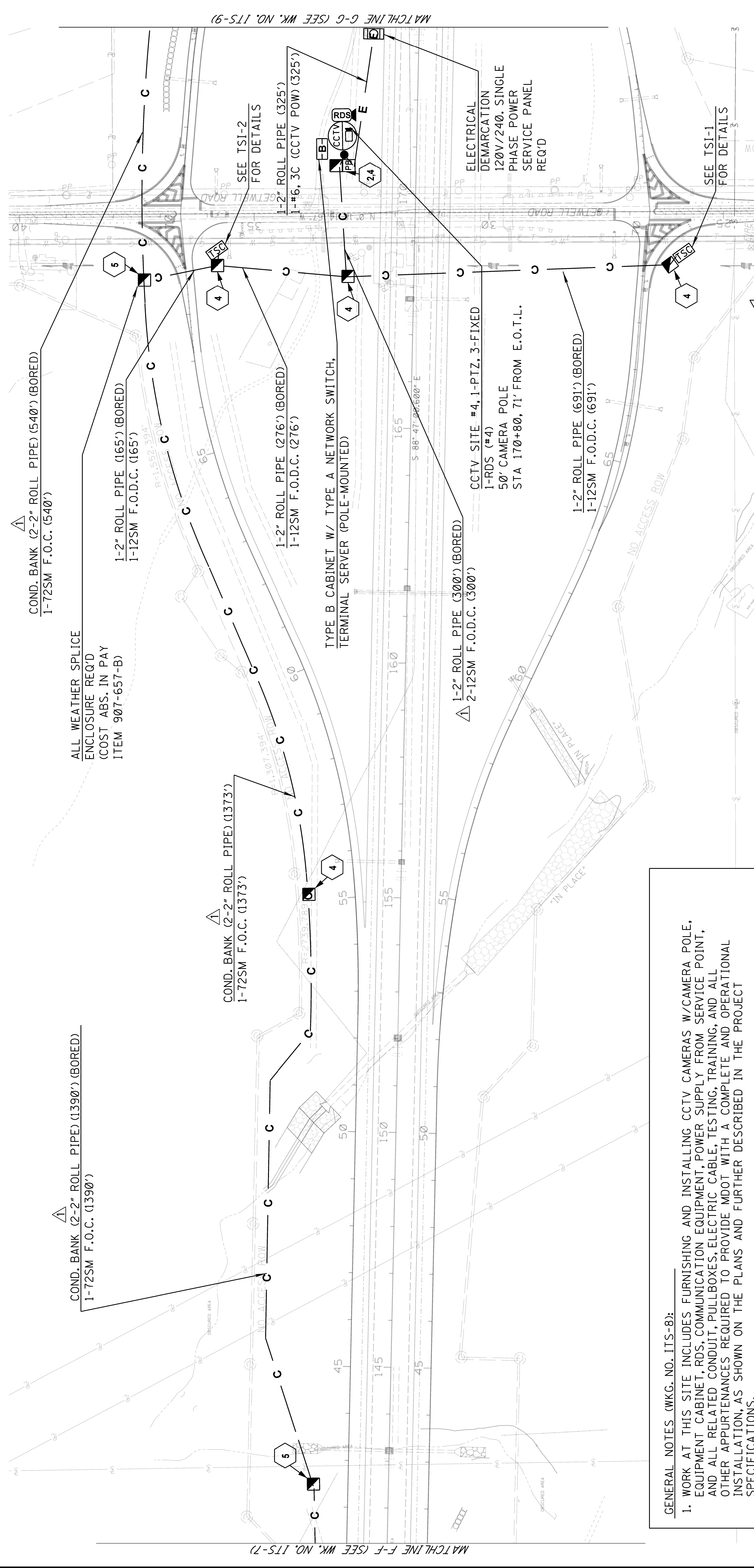
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ITS PLAN
I-269 @ TCHULAHOMA RD

COUNTY: DESOTO
 PROJ. NUM.: STP-0029-02(017)
 FILENAME: ITS-7.DGN
 DESIGN TEAM: STANTEC - CHECKED _____ DATE _____

WORKING NUMBER: ITS-7
 SHEET NUMBER: 3008



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| STATE | PROJECT NO. |
| MISS. | STP-0029-02(017) |

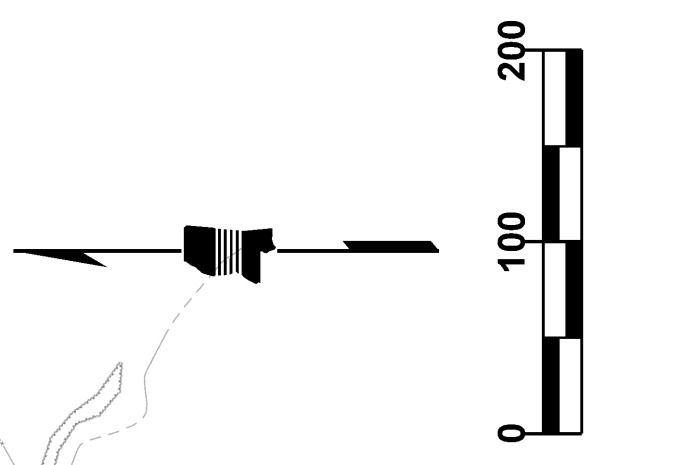


MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ITS PLAN
I-269 @ GETWELL RD

| DATE | BY | REVISION |
|----------|-----|---------------|
| 08/05/16 | JMR | UPDATED SHEET |

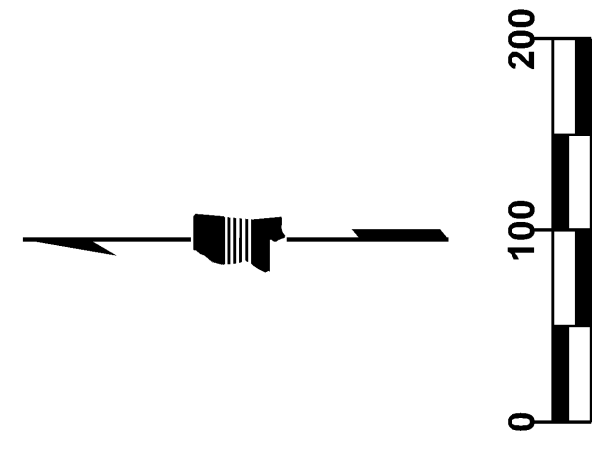
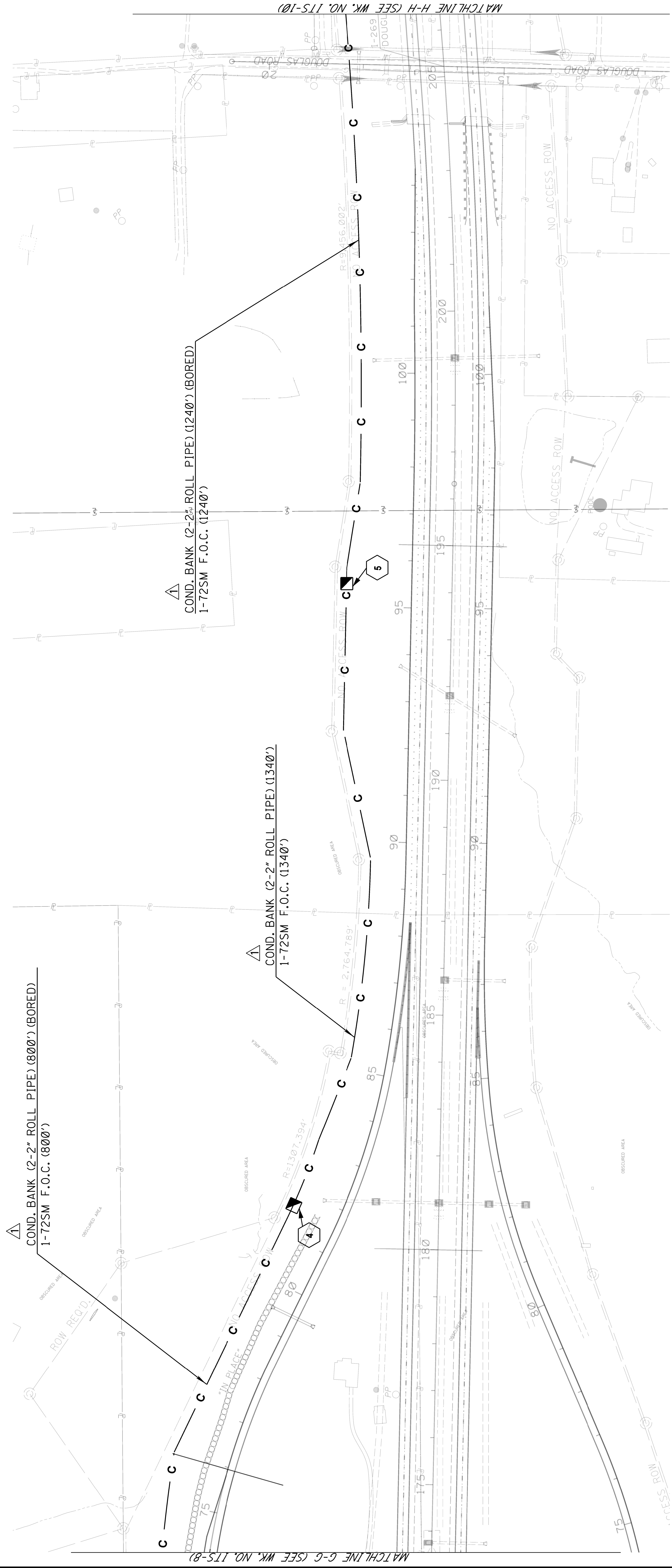
COUNTY: DESOTO
 PROJ. NUM.: STP-0029-02(017)
 FILENAME: ITS-8.DGN
 DESIGN TEAM: STANTEC CHECKED: DATE

WORKING NUMBER: ITS-8
 SHEET NUMBER: 3009



- GENERAL NOTES (WK. NO. ITS-8):**
1. WORK AT THIS SITE INCLUDES FURNISHING AND INSTALLING CCTV CAMERAS W/CAMERA POLE, EQUIPMENT CABINET, RDS, COMMUNICATION EQUIPMENT, POWER SUPPLY FROM SERVICE POINT, AND ALL RELATED CONDUIT, PULLBOXES, ELECTRIC CABLE, TESTING, TRAINING, AND ALL OTHER APPURTENANCES REQUIRED TO PROVIDE MDOT WITH A COMPLETE AND OPERATIONAL INSTALLATION, AS SHOWN ON THE PLANS AND FURTHER DESCRIBED IN THE PROJECT SPECIFICATIONS.
 2. CONTRACTOR/SUPPLIER SHALL INSTALL ALL EQUIPMENT REQUIRED FOR THIS INSTALLATION IN THE CCTV CABINET (TYPE B) AS INDICATED. SHOULD ADDITIONAL SPACE BE REQUIRED, DUE TO MANUFACTURER SPECIFIC REQUIREMENTS, THE CONTRACTOR/SUPPLIER SHALL SUBMIT ALTERNATE CABINET INFORMATION TO ENGINEER FOR REVIEW/APPROVAL PRIOR TO INSTALLATION. ALTERNATE CABINET SHALL BE PROVIDED AT NO ADDITIONAL COST.
 3. CONTRACTOR SHALL COORDINATE WITH MDOT AND ENERGY-MS FOR POWER SERVICE. CONTACT INFORMATION: 1-800-368-3749.
 4. SEE WK. SHEET NO. FO-4 FOR SPLICING DETAILS.

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| STATE | PROJECT NO. |
| MISS. | STP-0029-02(017) |



MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ITS PLAN
 I-269

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| BY | JMR |
| REVISION | |
| UPDATED SHEET | |
| DATE | 08/05/16 |

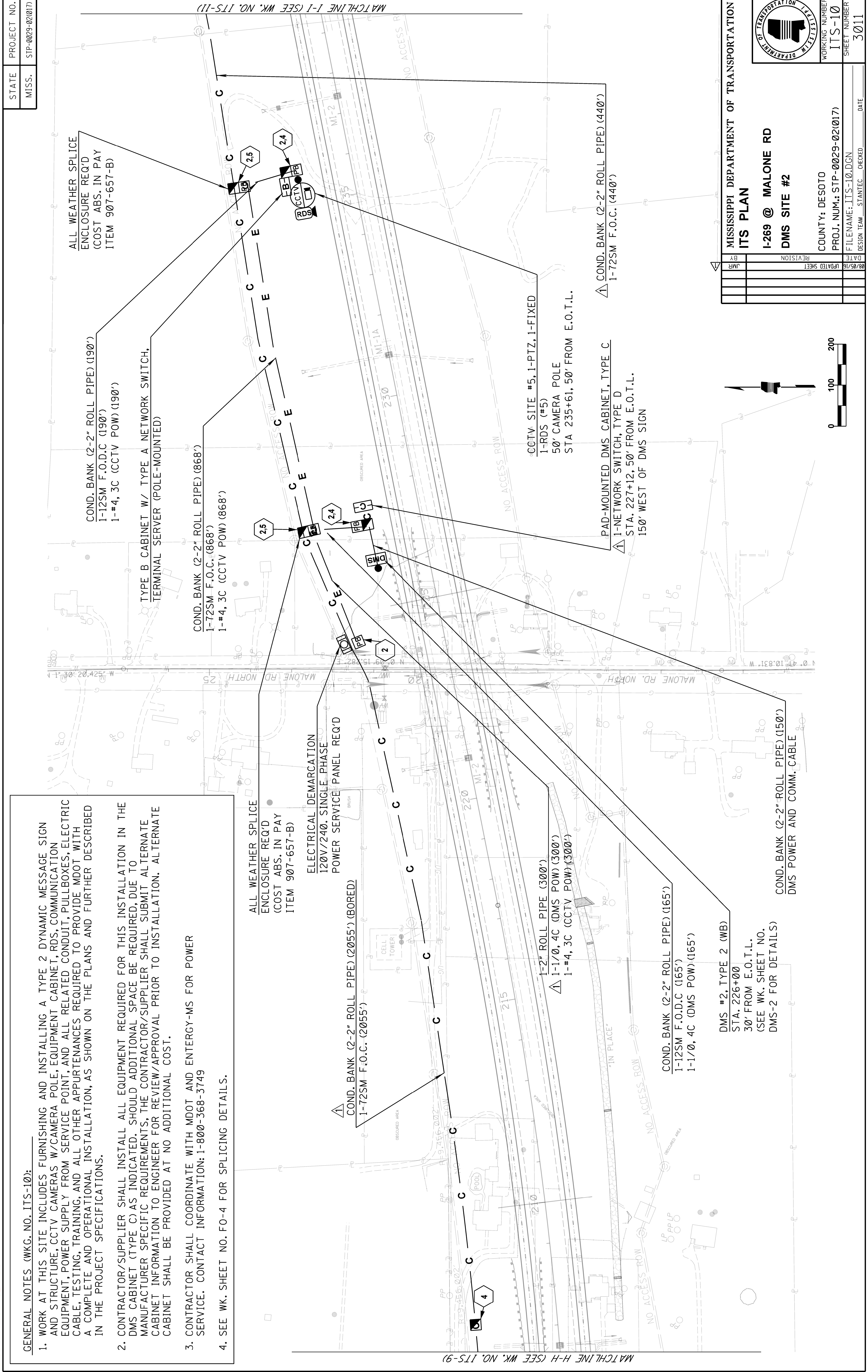
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 PROJ. NUM.: STP-0029-02(017)
 FILENAME: ITS-9.DGN
 DESIGN TEAM: STANTEC CHECKED: DATE:

WORKING NUMBER: ITS-9
 SHEET NUMBER: 3010

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| STATE | MISS. |
| PROJECT NO. | STP-0029-02(017) |

GENERAL NOTES (WKG. NO. ITS-10):

1. WORK AT THIS SITE INCLUDES FURNISHING AND INSTALLING A TYPE 2 DYNAMIC MESSAGE SIGN AND STRUCTURE, CCTV CAMERAS W/CAMERA POLE, EQUIPMENT CABINET, RDS, COMMUNICATION EQUIPMENT, POWER SUPPLY FROM SERVICE POINT, AND ALL RELATED CONDUIT, PULLBOXES, ELECTRIC CABLE, TESTING, TRAINING, AND ALL OTHER APPURTENANCES REQUIRED TO PROVIDE MDOT WITH A COMPLETE AND OPERATIONAL INSTALLATION, AS SHOWN ON THE PLANS AND FURTHER DESCRIBED IN THE PROJECT SPECIFICATIONS.
2. CONTRACTOR/SUPPLIER SHALL INSTALL ALL EQUIPMENT REQUIRED FOR THIS INSTALLATION IN THE DMS CABINET (TYPE C) AS INDICATED. SHOULD ADDITIONAL SPACE BE REQUIRED, DUE TO MANUFACTURER SPECIFIC REQUIREMENTS, THE CONTRACTOR/SUPPLIER SHALL SUBMIT ALTERNATE CABINET INFORMATION TO ENGINEER FOR REVIEW/APPROVAL PRIOR TO INSTALLATION. ALTERNATE CABINET SHALL BE PROVIDED AT NO ADDITIONAL COST.
3. CONTRACTOR SHALL COORDINATE WITH MDOT AND ENERGY-MS FOR POWER SERVICE. CONTACT INFORMATION: 1-800-368-3749
4. SEE WK. SHEET NO. FO-4 FOR SPLICING DETAILS.



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| MISSISSIPPI DEPARTMENT OF TRANSPORTATION | |
| ITS PLAN | |
| I-269 @ MALONE RD | |
| DMS SITE #2 | |
| COUNTY: | DESOTO |
| PROJ. NUM.: | STP-0029-02(017) |
| FILENAME: | ITS-10.DGN |
| DESIGN TEAM | STANTEC |
| CHECKED | DATE |
| WORKING NUMBER | ITS-10 |
| SHEET NUMBER | 3011 |

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| DATE | 08/05/16 |
| BY | JMR |
| REVISION | |
| UPDATED SHEET | |

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| DATE | |
| BY | |
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| UPDATED SHEET | |

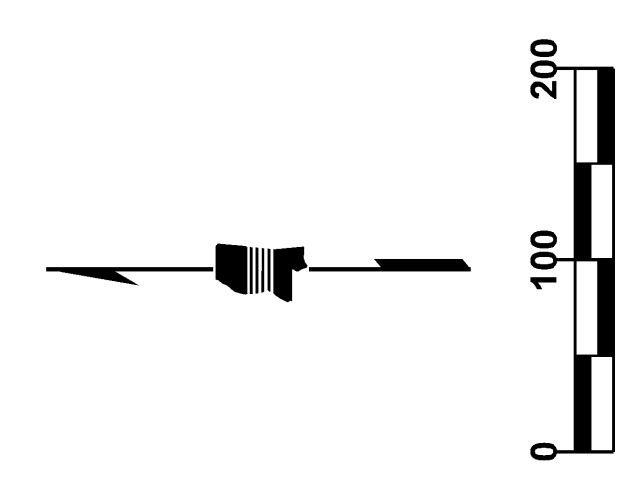
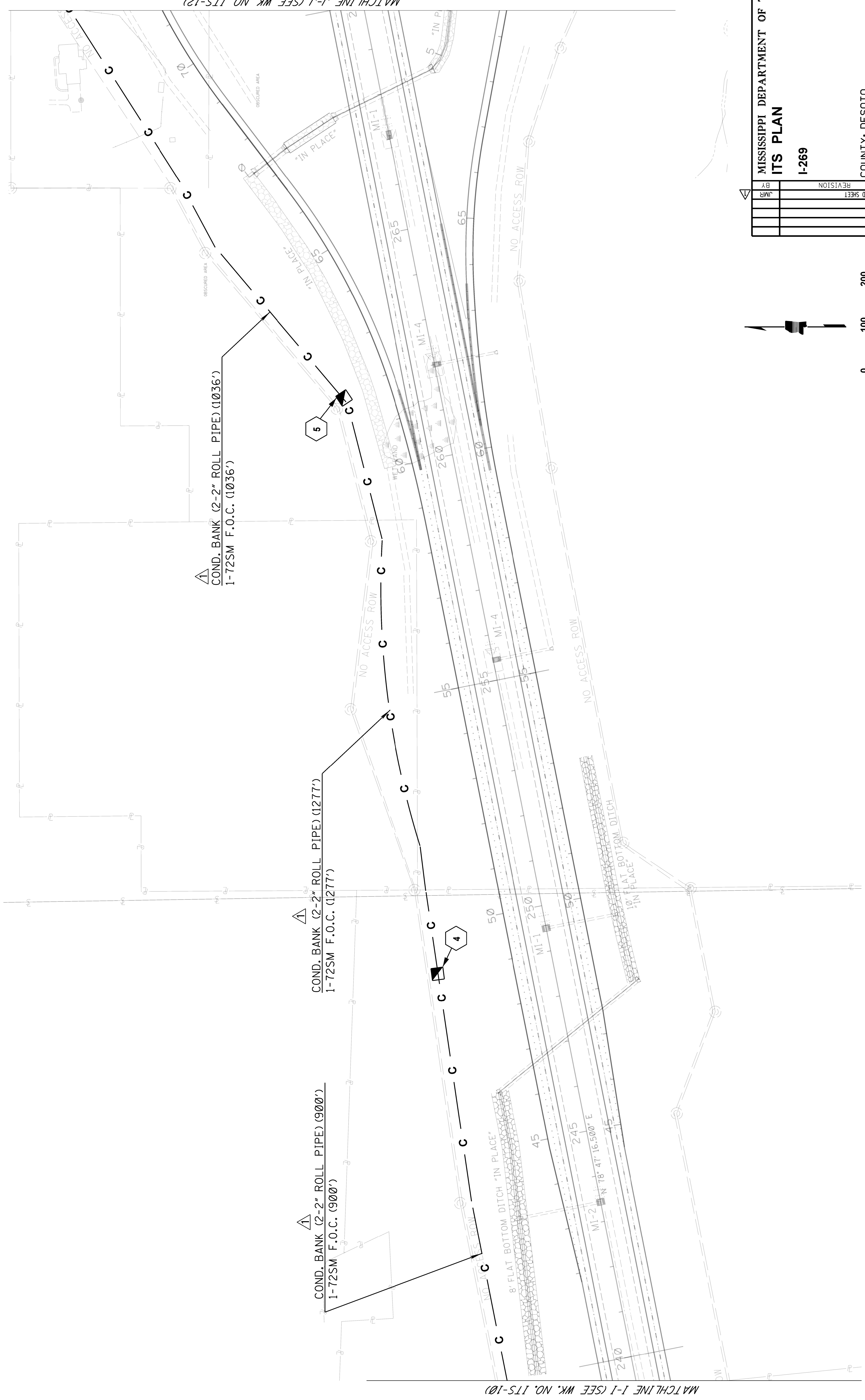
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| STATE | PROJECT NO. |
| MISS. | STP-0029-02(017) |



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| MISSISSIPPI DEPARTMENT OF TRANSPORTATION | |
| ITS PLAN | |
| I-269 | |
| BY: JMR | DATE: 08/05/16 |
| REVISION: | UPDATED SHEET |
| COUNTY: DESOTO | |
| PROJ. NUM.: STP-0029-02(017) | |
| FILENAME: ITS-11.DGN | |
| DESIGN TEAM: STANTEC | CHECKED: _____ |
| WORKING NUMBER: ITS-11 | SHEET NUMBER: 3012 |
| DATE: _____ | DATE: _____ |

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| STATE | PROJECT NO. |
| MISS. | STP-0029-02(017) |

GENERAL NOTES (WKG. NO. IIS-12):

1. WORK AT THIS SITE INCLUDES FURNISHING AND INSTALLING CCTV CAMERAS W/CAMERA POLE, EQUIPMENT CABINET, RDS, COMMUNICATION EQUIPMENT, POWER SUPPLY FROM SERVICE POINT, AND ALL RELATED CONDUIT, PULLBOXES, ELECTRIC CABLE, TESTING, TRAINING, AND ALL OTHER APPURTENANCES REQUIRED TO PROVIDE MDOT WITH A COMPLETE AND OPERATIONAL INSTALLATION, AS SHOWN ON THE PLANS AND FURTHER DESCRIBED IN THE PROJECT SPECIFICATIONS.
2. CONTRACTOR/SUPPLIER SHALL INSTALL ALL EQUIPMENT REQUIRED FOR THIS INSTALLATION IN THE CCTV CABINET (TYPE B) AS INDICATED. SHOULD ADDITIONAL SPACE BE REQUIRED, DUE TO MANUFACTURER SPECIFIC REQUIREMENTS, THE CONTRACTOR/SUPPLIER SHALL SUBMIT ALTERNATE CABINET INFORMATION TO ENGINEER FOR REVIEW/ APPROVAL PRIOR TO INSTALLATION. ALTERNATE CABINET SHALL BE PROVIDED AT NO ADDITIONAL COST.
3. CONTRACTOR SHALL COORDINATE WITH MDOT AND ENTERGY-MS FOR POWER SERVICE. CONTACT INFORMATION: 1-800-368-3749.
4. SEE WK. SHEET NO. FO-4 FOR SPlicing DETAILS.

ELECTRICAL DEMARCATION
120V/240. SINGLE PHASE
POWER SERVICE PANEL REQ'D
(APPROX. STA 40+00)

1-2" ROLL PIPE (770')
1-#4, 3C (CCTV POW) (770')

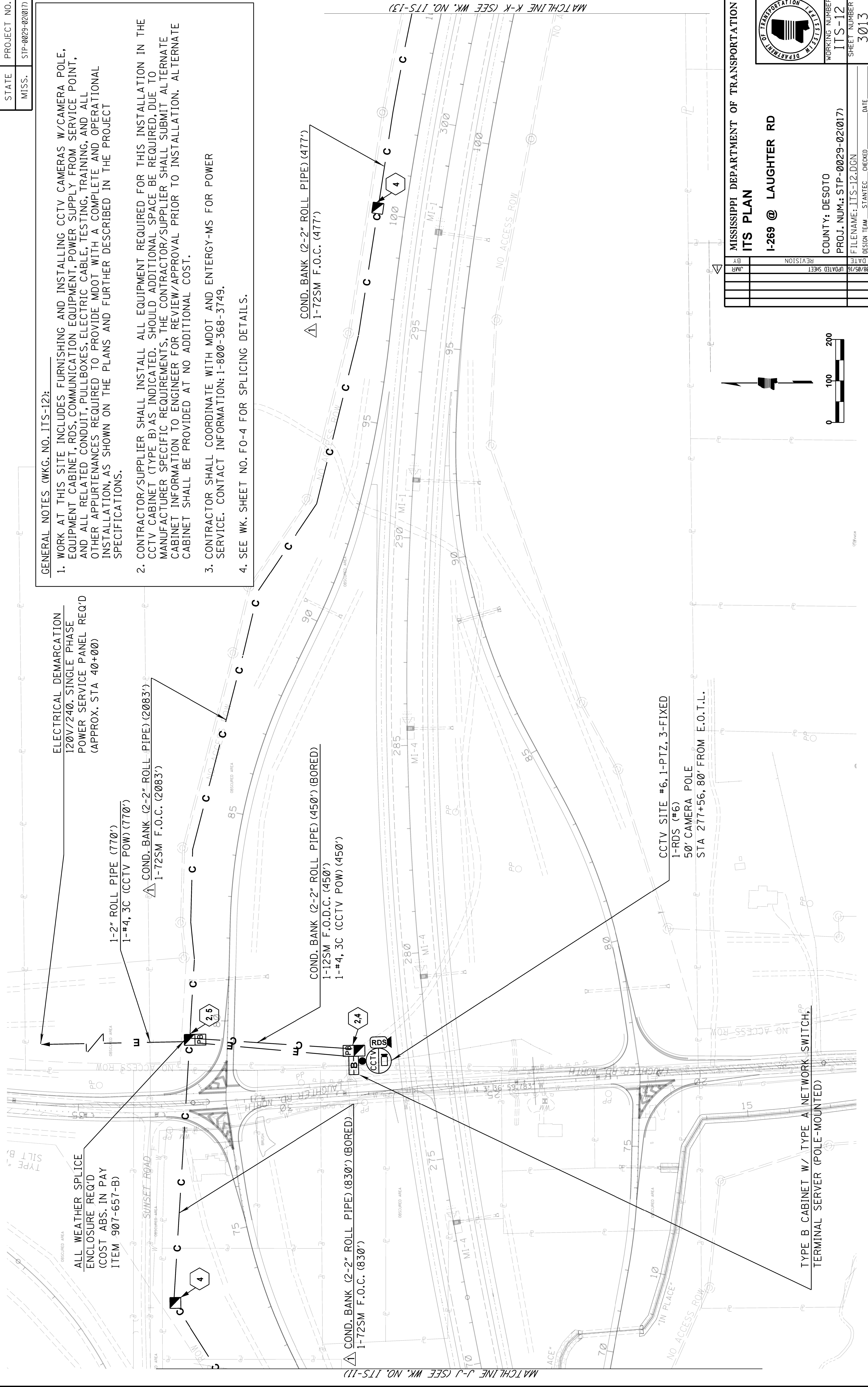
COND. BANK (2-2" ROLL PIPE) (2083')
1-72SM F.O.C. (2083')

COND. BANK (2-2" ROLL PIPE) (450') (BORED)
1-12SM F.O.D.C. (450')
1-#4, 3C (CCTV POW) (450')

COND. BANK (2-2" ROLL PIPE) (830') (BORED)
1-72SM F.O.C. (830')

CCTV SITE #6, 1-PTZ, 3-FIXED
1-RDS (*6)
50' CAMERA POLE
STA 277+56, 80' FROM E.O.T.L.

TYPE B CABINET W/ TYPE A NETWORK SWITCH,
TERMINAL SERVER (POLE-MOUNTED)



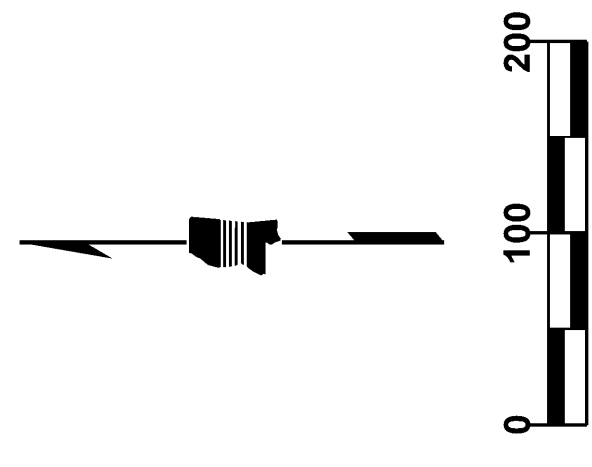
MATCHLINE J-J (SEE WK. NO. ITS-11)

MATCHLINE K-K (SEE WK. NO. ITS-13)

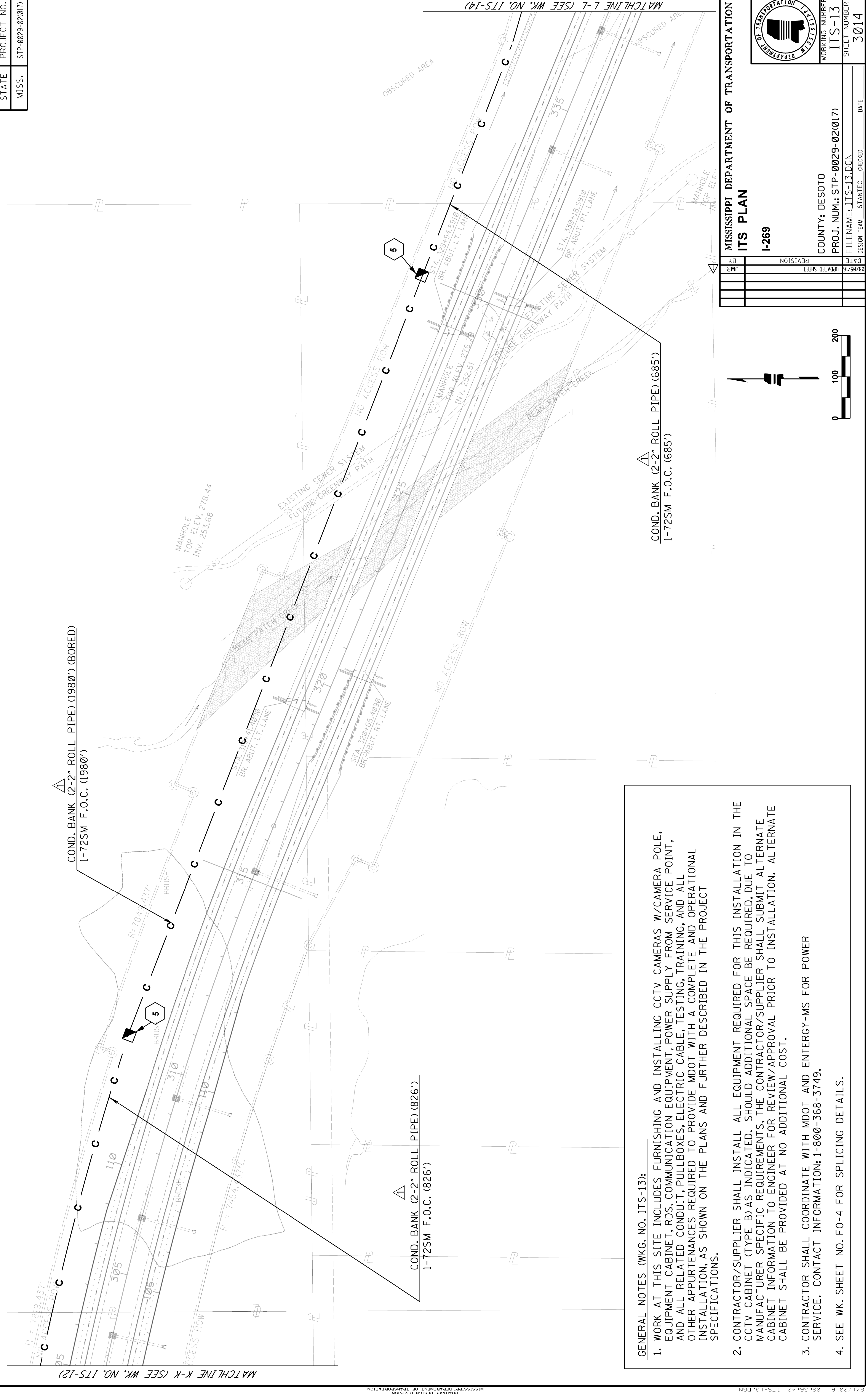
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| BY | DATE | REVISION |
| JMR | 08/05/16 | UPDATED SHEET |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ITS PLAN
I-269 @ LAUGHTER RD

COUNTY: DESOTO
PROJ. NUM.: STP-0029-02(017)
FILENAME: ITS-12.DGN
DESIGN TEAM: STANTEC CHECKED: DATE: 3013

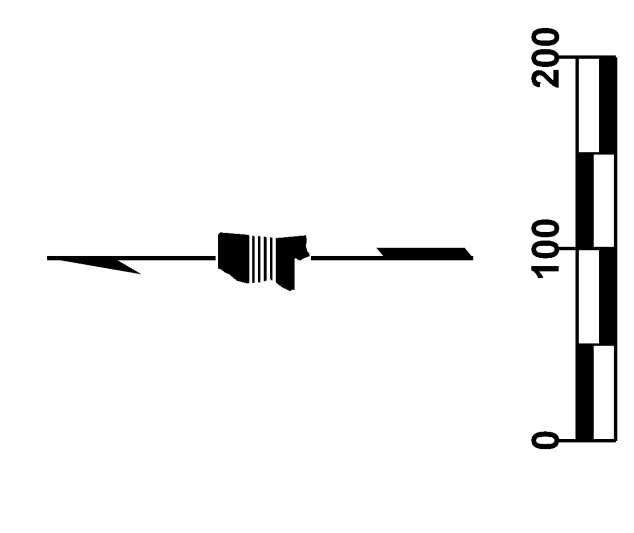


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| STATE | PROJECT NO. |
| MISS. | STP-0029-02(017) |



GENERAL NOTES (WKG. NO. ITS-13):

1. WORK AT THIS SITE INCLUDES FURNISHING AND INSTALLING CCTV CAMERAS W/CAMERA POLE, EQUIPMENT CABINET, RDS, COMMUNICATION EQUIPMENT, POWER SUPPLY FROM SERVICE POINT, AND ALL RELATED CONDUIT, PULLBOXES, ELECTRIC CABLE, TESTING, TRAINING, AND ALL OTHER APPURTENANCES REQUIRED TO PROVIDE MDOT WITH A COMPLETE AND OPERATIONAL INSTALLATION, AS SHOWN ON THE PLANS AND FURTHER DESCRIBED IN THE PROJECT SPECIFICATIONS.
2. CONTRACTOR/SUPPLIER SHALL INSTALL ALL EQUIPMENT REQUIRED FOR THIS INSTALLATION IN THE CCTV CABINET (TYPE B) AS INDICATED. SHOULD ADDITIONAL SPACE BE REQUIRED, DUE TO MANUFACTURER SPECIFIC REQUIREMENTS, THE CONTRACTOR/SUPPLIER SHALL SUBMIT ALTERNATE CABINET INFORMATION TO ENGINEER FOR REVIEW/ APPROVAL PRIOR TO INSTALLATION. ALTERNATE CABINET SHALL BE PROVIDED AT NO ADDITIONAL COST.
3. CONTRACTOR SHALL COORDINATE WITH MDOT AND ENERGY-MS FOR POWER SERVICE. CONTACT INFORMATION: 1-800-368-3749.
4. SEE WK. SHEET NO. FO-4 FOR SPLICING DETAILS.



MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ITS PLAN
I-269

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| DATE | BY |
| 08/05/16 | JMR |
| REVISION | |
| UPDATED SHEET | |

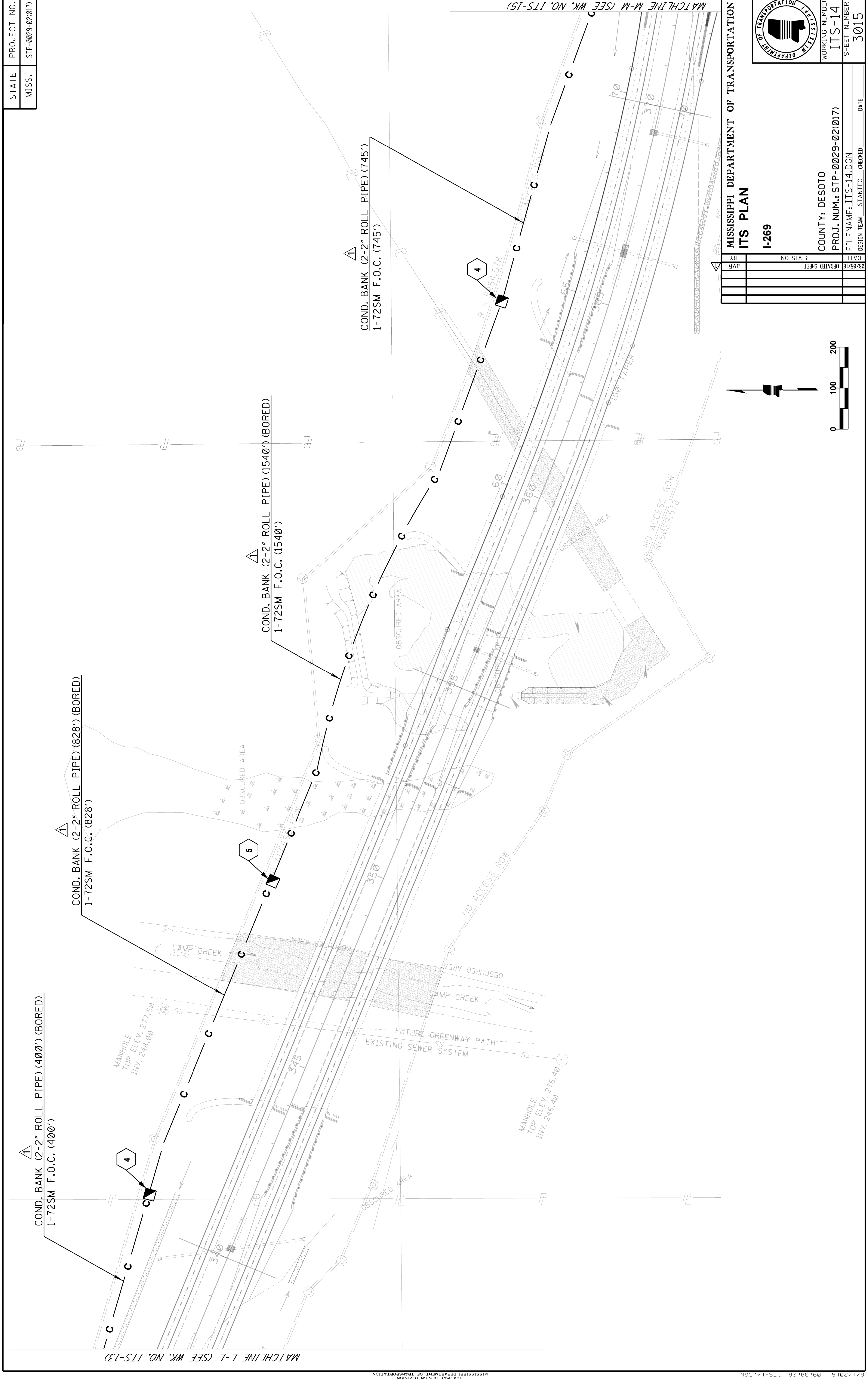
COUNTY: DESOTO
 PROJ. NUM.: STP-0029-02(017)
 FILENAME: ITS-13.DGN
 DESIGN TEAM: STANTEC CHECKED: DATE: 3014

WORKING NUMBER: ITS-13
 SHEET NUMBER: 3014

MATCHLINE K-K (SEE WK. NO. ITS-12)

MATCHLINE L-L (SEE WK. NO. ITS-14)

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| STATE | PROJECT NO. |
| MISS. | STP-0029-02(017) |



MATCHLINE L-1 (SEE WK. NO. ITS-13)

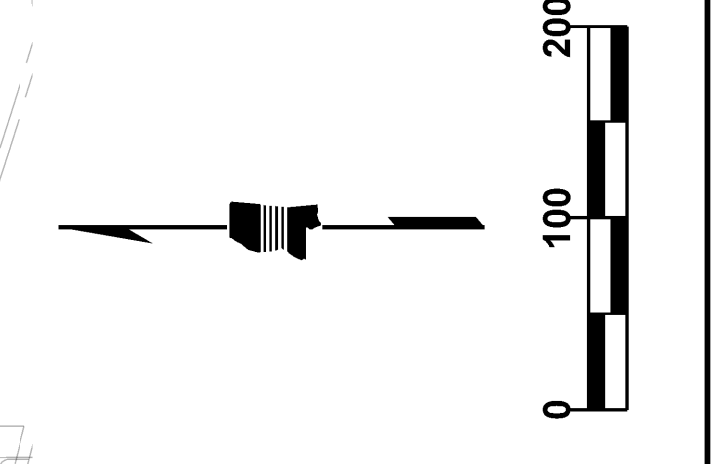
MATCHLINE M-M (SEE WK. NO. ITS-15)

| | |
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| BY | JMR |
| DATE | 08/05/16 |
| REVISION | UPDATED SHEET |
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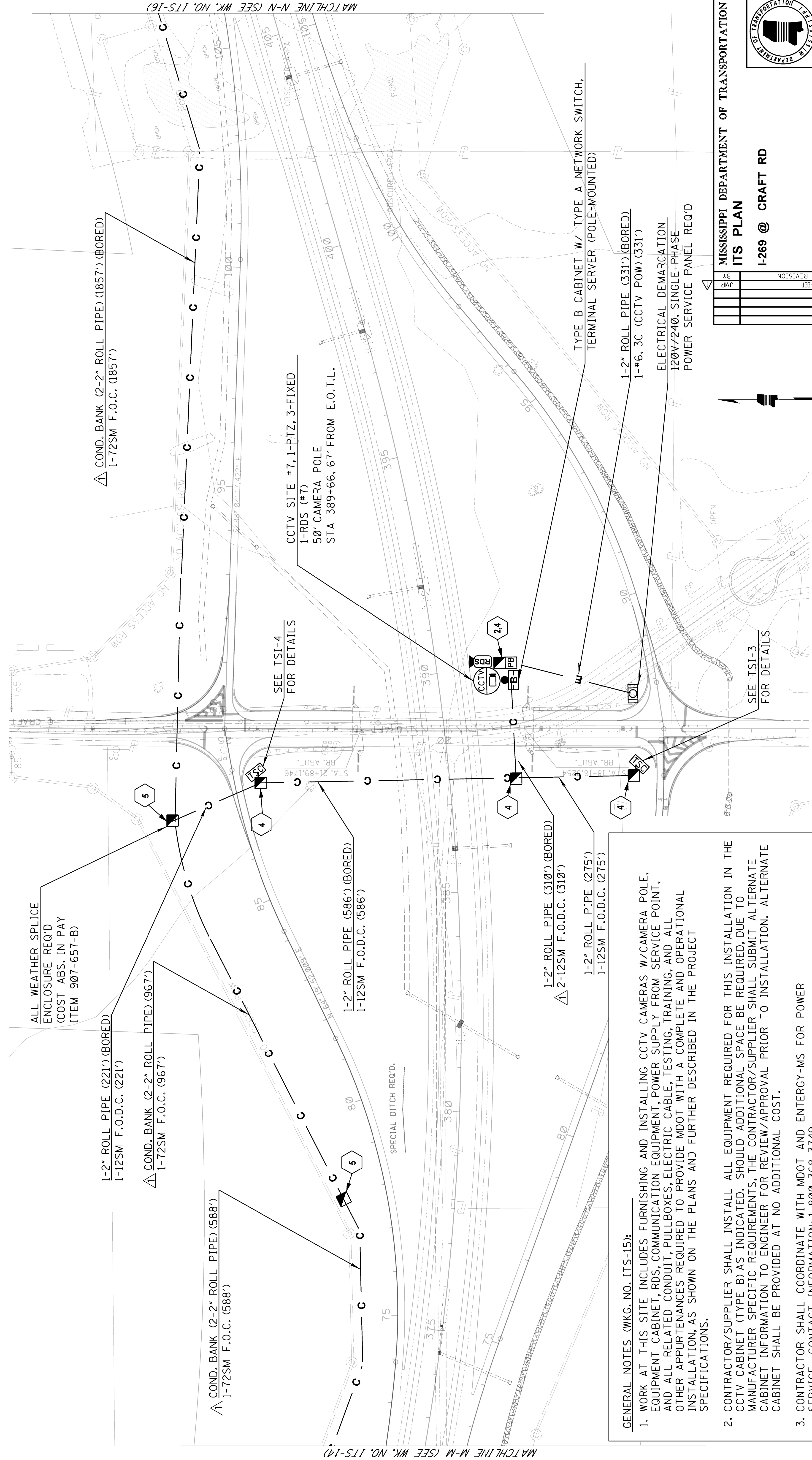
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ITS PLAN
 I-269

COUNTY: DESOTO
 PROJ. NUM.: STP-0029-02(017)
 FILENAME: ITS-14.DGN
 DESIGN TEAM: STANTEC CHECKED: DATE: _____

WORKING NUMBER: ITS-14
 SHEET NUMBER: 3015



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| STATE | PROJECT NO. |
| MISS. | STP-0029-02(017) |



GENERAL NOTES (WKG. NO. ITS-15):

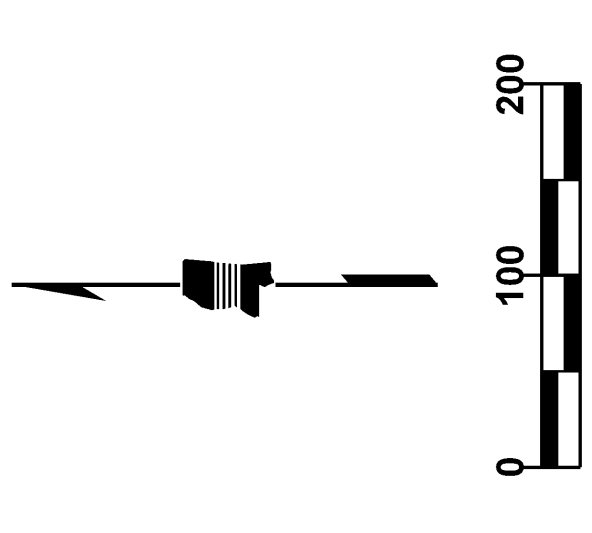
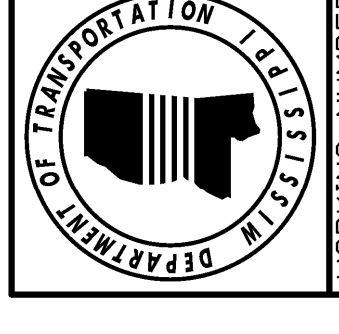
1. WORK AT THIS SITE INCLUDES FURNISHING AND INSTALLING CCTV CAMERAS W/CAMERA POLE, EQUIPMENT CABINET, RDS, COMMUNICATION EQUIPMENT, POWER SUPPLY FROM SERVICE POINT, AND ALL RELATED CONDUIT, PULLBOXES, ELECTRIC CABLE, TESTING, TRAINING, AND ALL OTHER APPURTENANCES REQUIRED TO PROVIDE MDOT WITH A COMPLETE AND OPERATIONAL INSTALLATION, AS SHOWN ON THE PLANS AND FURTHER DESCRIBED IN THE PROJECT SPECIFICATIONS.
2. CONTRACTOR/SUPPLIER SHALL INSTALL ALL EQUIPMENT REQUIRED FOR THIS INSTALLATION IN THE CCTV CABINET (TYPE B) AS INDICATED. SHOULD ADDITIONAL SPACE BE REQUIRED, DUE TO MANUFACTURER SPECIFIC REQUIREMENTS, THE CONTRACTOR/SUPPLIER SHALL SUBMIT ALTERNATE CABINET INFORMATION TO ENGINEER FOR REVIEW/APPROVAL PRIOR TO INSTALLATION. ALTERNATE CABINET SHALL BE PROVIDED AT NO ADDITIONAL COST.
3. CONTRACTOR SHALL COORDINATE WITH MDOT AND ENERGY-MS FOR POWER SERVICE. CONTACT INFORMATION: 1-800-368-3749.
4. SEE WK. SHEET NO. FO-4 FOR SPLICING DETAILS.

| | | | |
|----------|----------|---------------|--|
| DATE | 08/05/16 | UPDATED SHEET | |
| REVISION | | | |
| BY | | | |
| SR | | | |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ITS PLAN
I-269 @ CRAFT RD

COUNTY: DESOTO
 PROJ. NUM.: STP-0029-02(017)
 FILENAME: ITS-15.DGN
 DESIGN TEAM: STANTEC - CHECKED _____ DATE _____

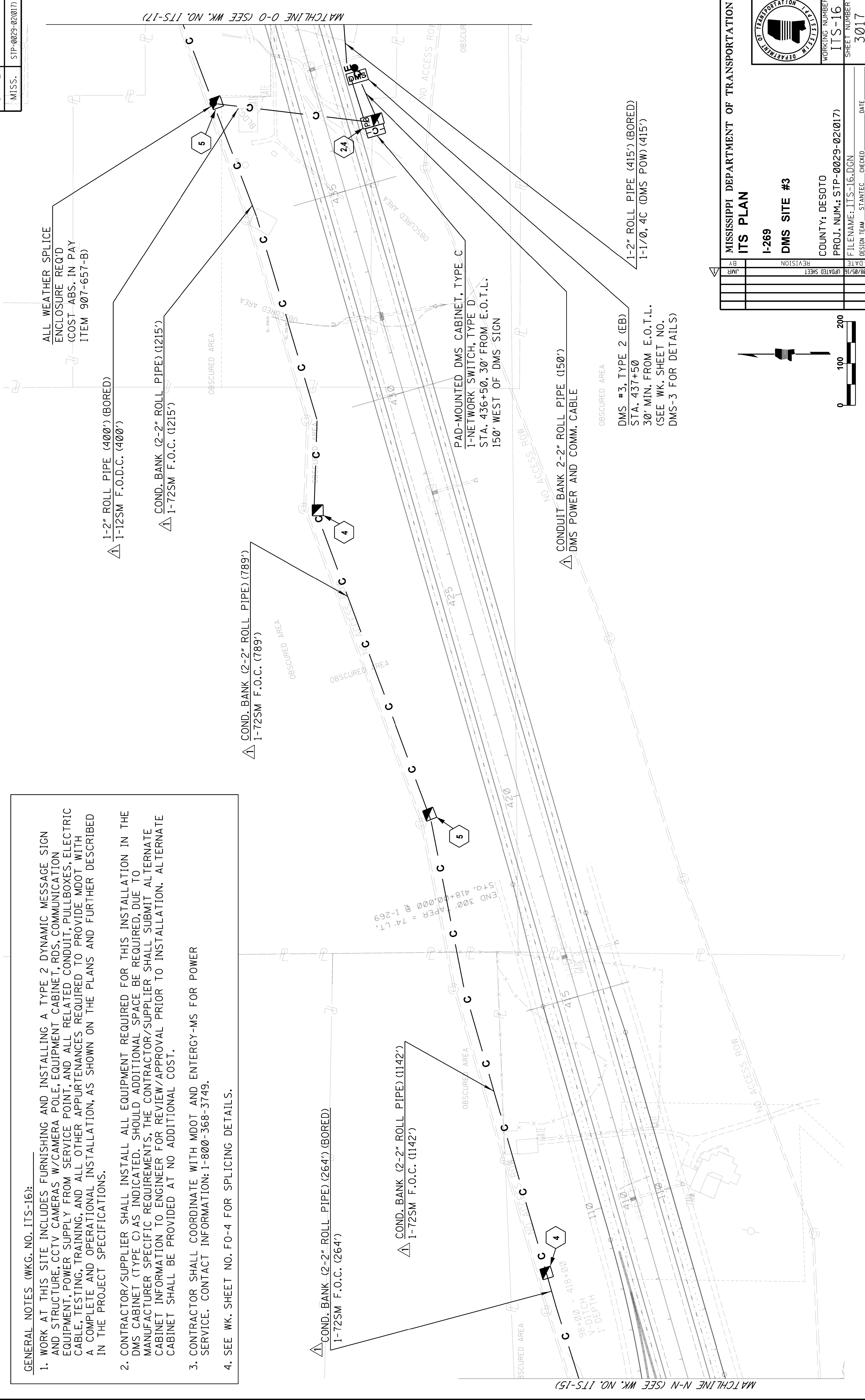
WORKING NUMBER
ITS-15
 SHEET NUMBER
3016



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| STATE | PROJECT NO. |
| MISS. | STP-0029-02(017) |

GENERAL NOTES (WKG. NO. ITS-16):

1. WORK AT THIS SITE INCLUDES FURNISHING AND INSTALLING A TYPE 2 DYNAMIC MESSAGE SIGN AND STRUCTURE, CCTV CAMERAS W/CAMERA POLE, EQUIPMENT CABINET, RDS, COMMUNICATION EQUIPMENT, POWER SUPPLY FROM SERVICE POINT, AND ALL RELATED CONDUIT, PULLBOXES, ELECTRIC CABLE, TESTING, TRAINING, AND ALL OTHER APPURTENANCES REQUIRED TO PROVIDE MDOT WITH A COMPLETE AND OPERATIONAL INSTALLATION, AS SHOWN ON THE PLANS AND FURTHER DESCRIBED IN THE PROJECT SPECIFICATIONS.
2. CONTRACTOR/SUPPLIER SHALL INSTALL ALL EQUIPMENT REQUIRED FOR THIS INSTALLATION IN THE DMS CABINET (TYPE C) AS INDICATED. SHOULD ADDITIONAL SPACE BE REQUIRED, DUE TO MANUFACTURER SPECIFIC REQUIREMENTS, THE CONTRACTOR/SUPPLIER SHALL SUBMIT ALTERNATE CABINET INFORMATION TO ENGINEER FOR REVIEW/APPROVAL PRIOR TO INSTALLATION. ALTERNATE CABINET SHALL BE PROVIDED AT NO ADDITIONAL COST.
3. CONTRACTOR SHALL COORDINATE WITH MDOT AND ENERGENCY-MS FOR POWER SERVICE. CONTACT INFORMATION: 1-800-368-3749.
4. SEE WK. SHEET NO. FO-4 FOR SPLICING DETAILS.



ALL WEATHER SPLICE ENCLOSURE REQ'D (COST ABS. IN PAY ITEM 907-657-B)

1-2" ROLL PIPE (400') (BORED)
1-12SM F.O.D.C. (400')

COND. BANK (2-2" ROLL PIPE) (1215')
1-72SM F.O.C. (1215')

COND. BANK (2-2" ROLL PIPE) (789')
1-72SM F.O.C. (789')

COND. BANK (2-2" ROLL PIPE) (264') (BORED)
1-72SM F.O.C. (264')

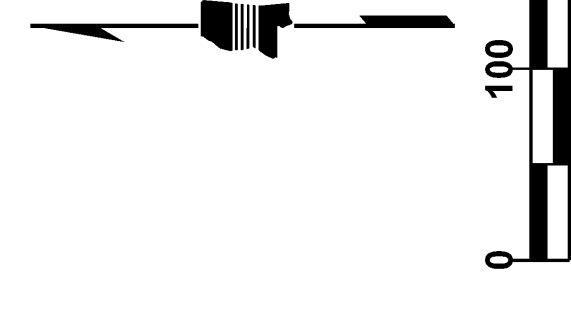
COND. BANK (2-2" ROLL PIPE) (1142')
1-72SM F.O.C. (1142')

PAD-MOUNTED DMS CABINET, TYPE C
1-NETWORK SWITCH, TYPE D
STA. 436+50, 30' FROM E.O.T.L.
150' WEST OF DMS SIGN

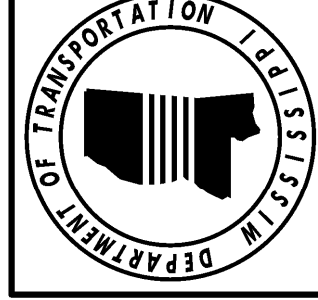
CONDUIT BANK 2-2" ROLL PIPE (150')
DMS POWER AND COMM. CABLE

DMS #3, TYPE 2 (EB)
STA. 437+50
30' MIN. FROM E.O.T.L.
(SEE WK. SHEET NO. DMS-3 FOR DETAILS)

1-2" ROLL PIPE (415') (BORED)
1-1/0, 4C (DMS POW) (415')

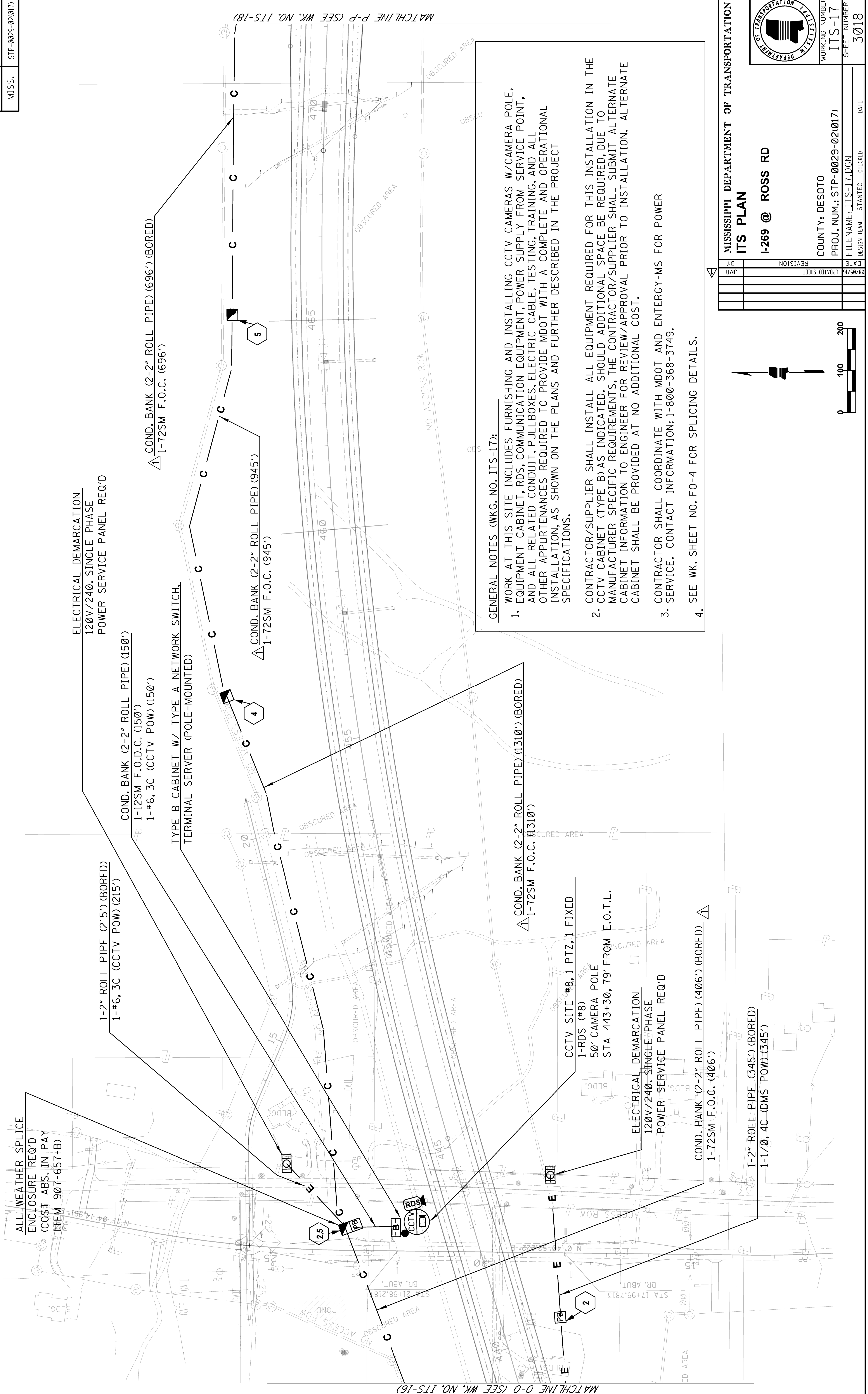


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| MISSISSIPPI DEPARTMENT OF TRANSPORTATION | |
| ITS PLAN | |
| I-269 | DMS SITE #3 |
| COUNTY: DESOTO | WORKING NUMBER ITS-16 |
| PROJ. NUM.: STP-0029-02(017) | SHEET NUMBER 3017 |
| FILENAME: ITS-16.DGN | DATE |
| DESIGN TEAM STANTEC | CHECKED |



WORKING NUMBER ITS-16
SHEET NUMBER 3017

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| STATE | PROJECT NO. |
| MISS. | STP-0029-02(017) |



GENERAL NOTES (WKG. NO. ITS-17):

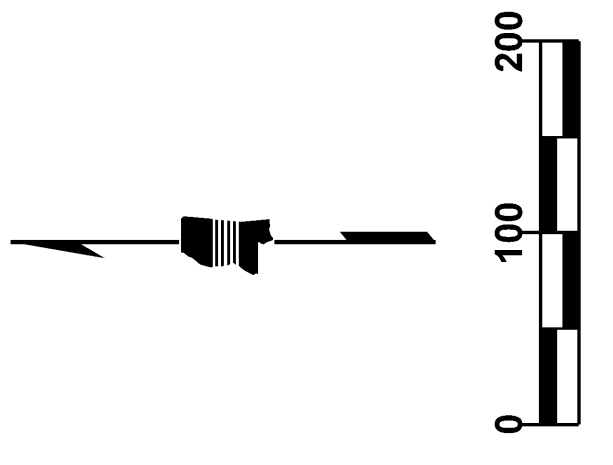
WORK AT THIS SITE INCLUDES FURNISHING AND INSTALLING CCTV CAMERAS W/CAMERA POLE, EQUIPMENT CABINET, RDS, COMMUNICATION EQUIPMENT, POWER SUPPLY FROM SERVICE POINT, AND ALL RELATED CONDUIT, PULLBOXES, ELECTRIC CABLE, TESTING, TRAINING, AND ALL OTHER APPURTENANCES REQUIRED TO PROVIDE MDOT WITH A COMPLETE AND OPERATIONAL INSTALLATION, AS SHOWN ON THE PLANS AND FURTHER DESCRIBED IN THE PROJECT SPECIFICATIONS.

CONTRACTOR/SUPPLIER SHALL INSTALL ALL EQUIPMENT REQUIRED FOR THIS INSTALLATION IN THE CCTV CABINET (TYPE B) AS INDICATED. SHOULD ADDITIONAL SPACE BE REQUIRED, DUE TO MANUFACTURER SPECIFIC REQUIREMENTS, THE CONTRACTOR/SUPPLIER SHALL SUBMIT ALTERNATE CABINET INFORMATION TO ENGINEER FOR REVIEW/APPROVAL PRIOR TO INSTALLATION. ALTERNATE CABINET SHALL BE PROVIDED AT NO ADDITIONAL COST.

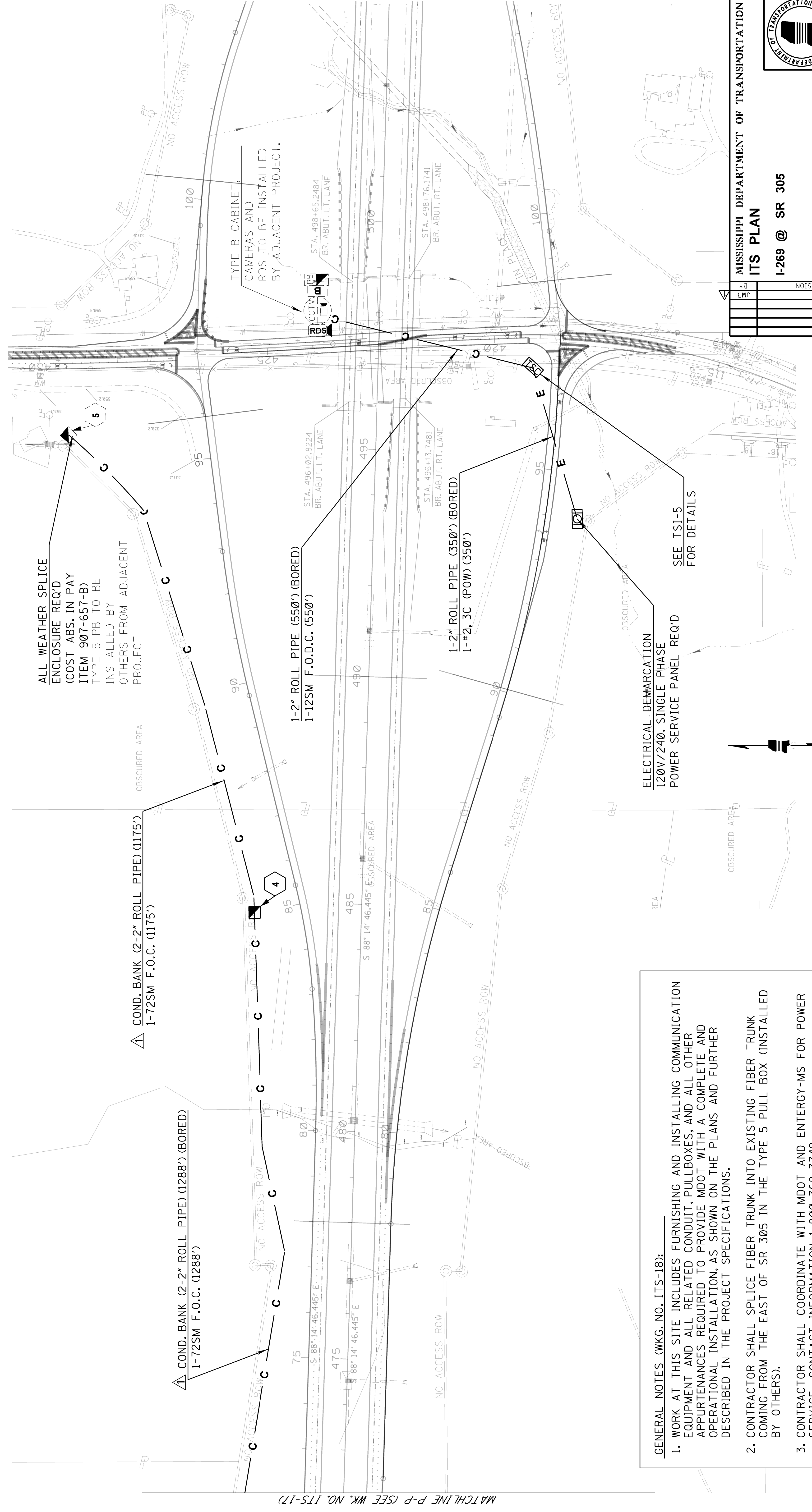
CONTRACTOR SHALL COORDINATE WITH MDOT AND ENTERGY-MS FOR POWER SERVICE. CONTACT INFORMATION: 1-800-368-3749.

SEE WK. SHEET NO. FO-4 FOR SPLICING DETAILS.

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| MISSISSIPPI DEPARTMENT OF TRANSPORTATION | |
| ITS PLAN | |
| I-269 @ ROSS RD | |
| COUNTY: DESOTO | WORKING NUMBER |
| PROJ. NUM.: STP-0029-02(017) | ITS-17 |
| FILENAME: ITS-17.DGN | SHEET NUMBER |
| DESIGN TEAM | CHECKED |
| DATE | DATE |

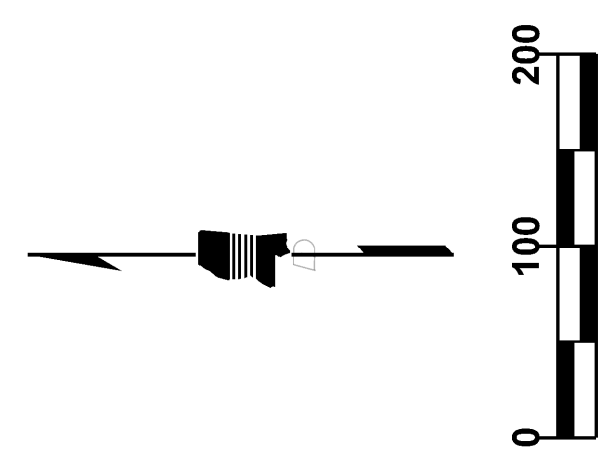


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| STATE | PROJECT NO. |
| MISS. | STP-0029-02(017) |



GENERAL NOTES (WKG. NO. ITS-18):

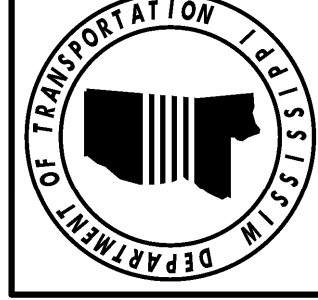
1. WORK AT THIS SITE INCLUDES FURNISHING AND INSTALLING COMMUNICATION EQUIPMENT AND ALL RELATED CONDUIT, PULLBOXES, AND ALL OTHER APPURTENANCES REQUIRED TO PROVIDE MDOT WITH A COMPLETE AND OPERATIONAL INSTALLATION, AS SHOWN ON THE PLANS AND FURTHER DESCRIBED IN THE PROJECT SPECIFICATIONS.
2. CONTRACTOR SHALL SPLICE FIBER TRUNK INTO EXISTING FIBER TRUNK COMING FROM THE EAST OF SR 305 IN THE TYPE 5 PULL BOX (INSTALLED BY OTHERS).
3. CONTRACTOR SHALL COORDINATE WITH MDOT AND ENERGY-MS FOR POWER SERVICE. CONTACT INFORMATION: 1-800-368-3749
4. SEE WK. SHEET NO. FO-4 FOR SPLICING DETAILS.



MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ITS PLAN
 I-269 @ SR 305

| | |
|----------------|--------|
| BY | JMR |
| REVISION | |
| DATE | |
| UPDATED SHEET | |
| WORKING NUMBER | ITS-18 |
| SHEET NUMBER | 3019 |

COUNTY: DESOTO
 PROJ. NUM.: STP-0029-02(017)
 FILENAME: ITS-18.DGN
 DESIGN TEAM: STANTEC CHECKED: DATE

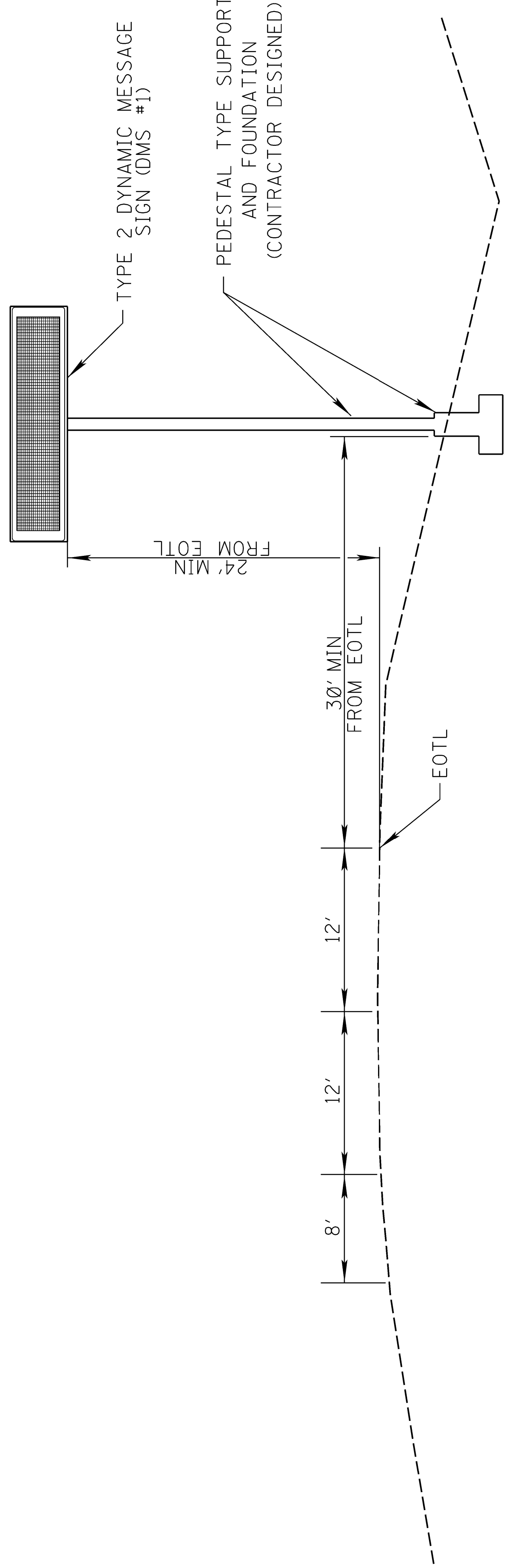


MATCHLINE P-P (SEE WK. NO. ITS-17)

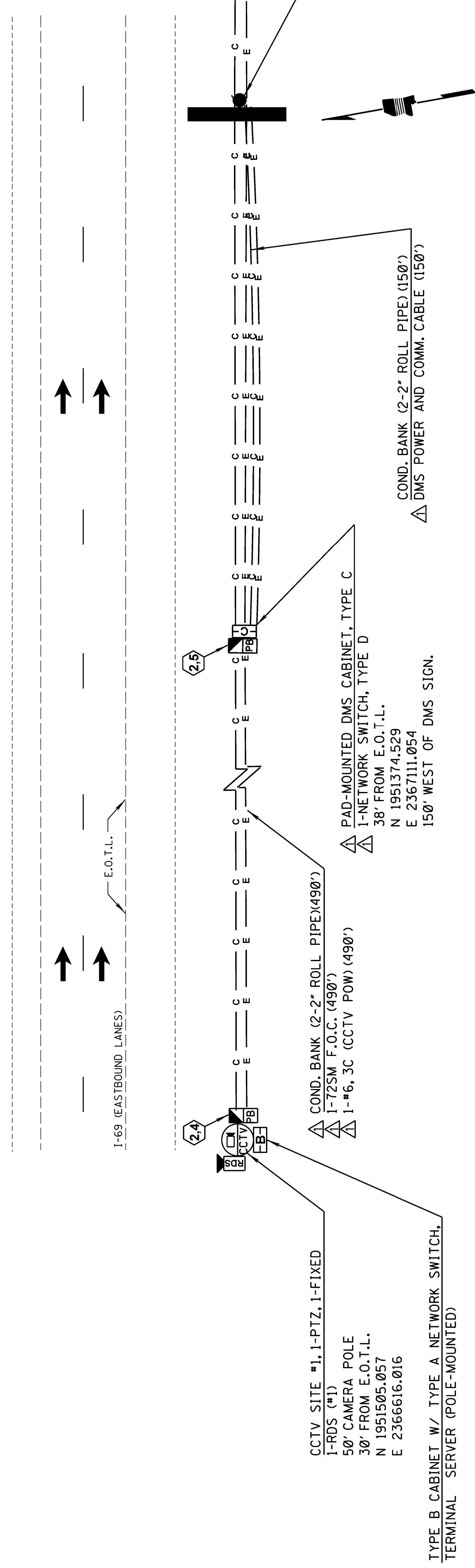
| | |
|-------|------------------|
| STATE | PROJECT NO. |
| MISS. | STP-0029-02(017) |

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. ICE LOADS SHALL BE INCLUDED.
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, INCLUDING ITS CONNECTIONS AND INSTALLATION OF THE STRUCTURE, INCLUDING ITS CONNECTIONS AND FOUNDATIONS, TO THE MDT BRIDGE DIVISION. 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. SEE SPECIAL PROVISION NO. 907-630-12 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. ACCURACY OF ELEVATION FOR DMS SIGN SHALL BE APPROVED BY FIELD ENGINEER.



**DMS ELEVATION DETAIL
INTERSTATE 69 (EB)
APPROX. 4255' FROM FOGG RD RAMP TAPER
DMS SITE #1 - WKG. NO. ITS-1**
NOT TO SCALE

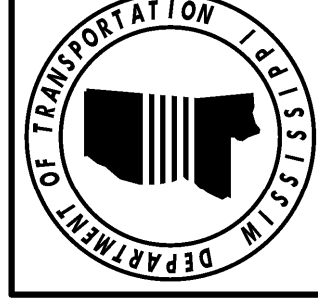


**PLAN VIEW DETAIL
I-69 (EB)
DMS SITE #1**
SCALE: 1" = 40'

| BY | DATE | REVISION | UPDATED SHEET |
|-----|----------|----------|---------------|
| JMR | 08/05/16 | | |

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
DMS DETAILS
DMS SITE #1
I-69 EB, APPROX. 4255'W
OF FOGG RD RAMP TAPER
 COUNTY: DESOTO
 PROJ. NUM.: STP-0027-02(017)
 FILENAME: DMS-1.DGN
 DESIGN TEAM: STANTEC CHECKED: DATE:

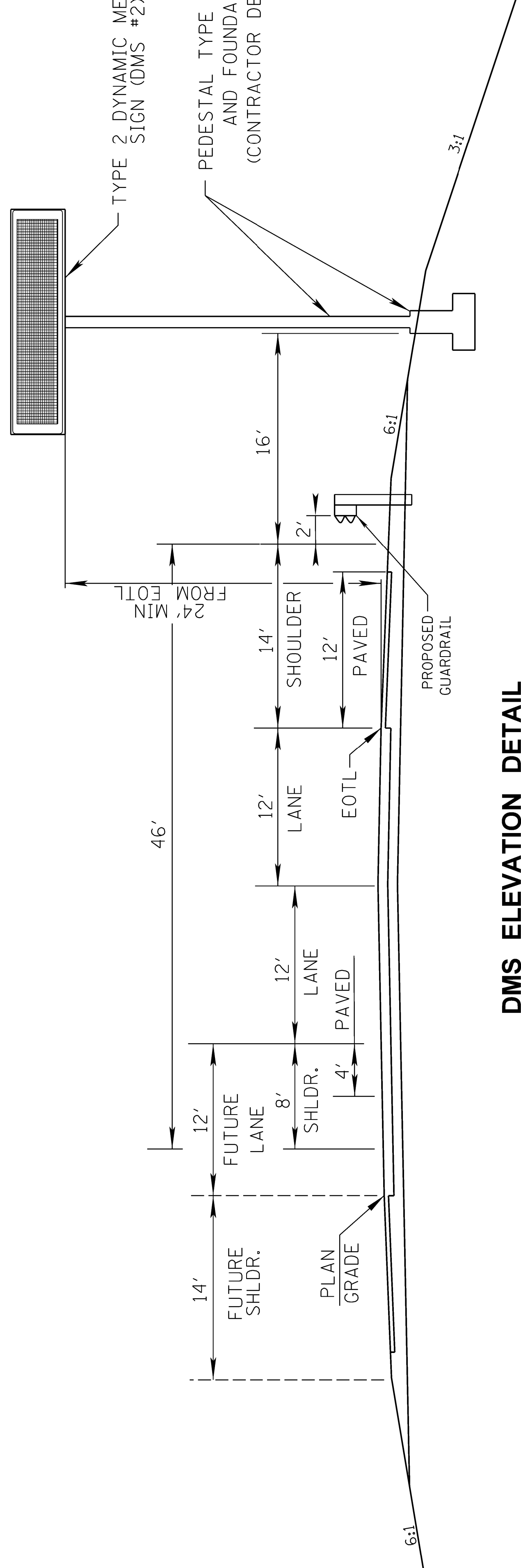
| | |
|----------------|-------|
| WORKING NUMBER | DMS-1 |
| SHEET NUMBER | 3020 |



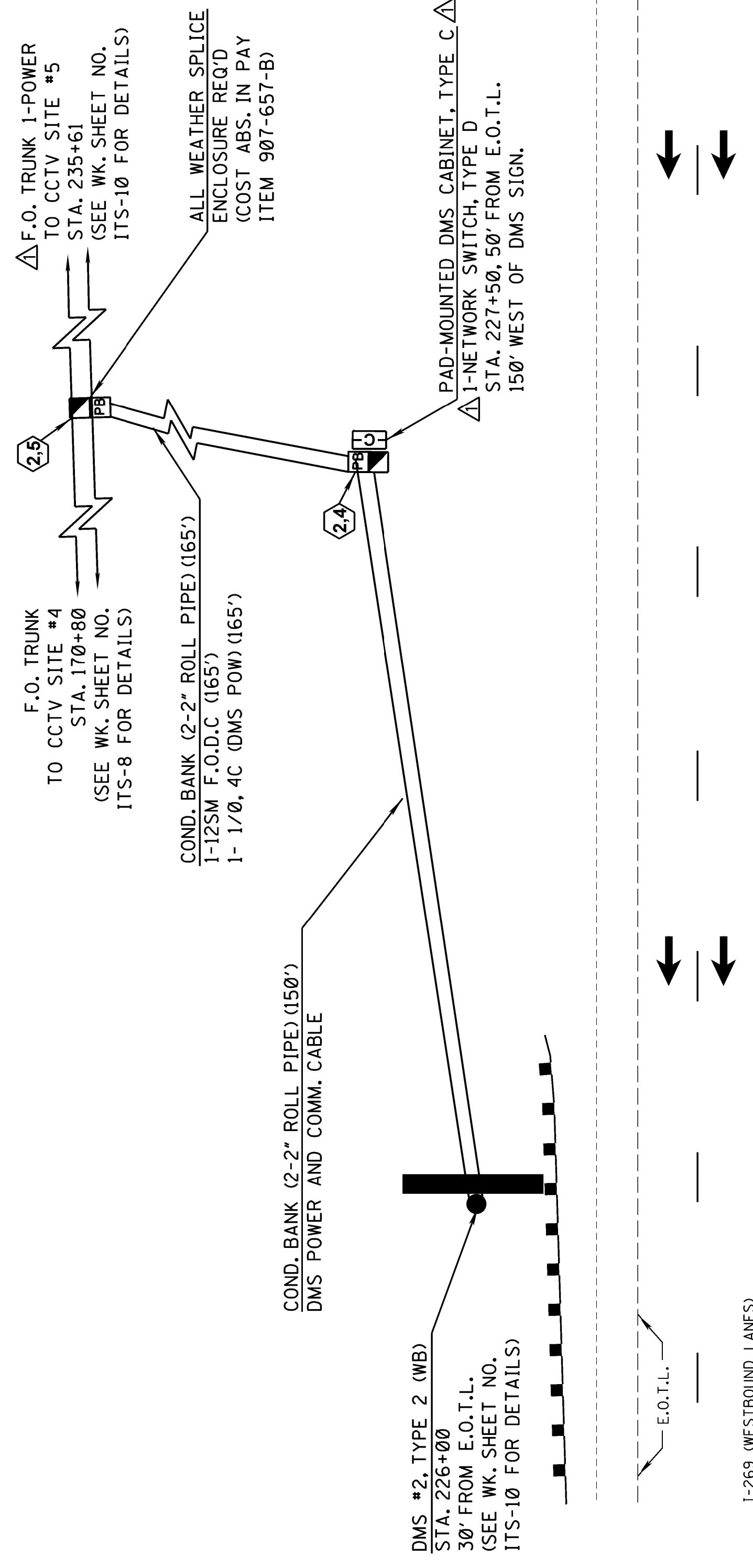
| | | | |
|-------|-------|-------------|------------------|
| STATE | MISS. | PROJECT NO. | STP-0029-02(017) |
|-------|-------|-------------|------------------|

TYPE 2 DMS STRUCTURE NOTES:

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11. ACCURACY OF ELEVATION FOR DMS SIGN SHALL BE APPROVED BY FIELD ENGINEER.



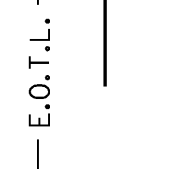
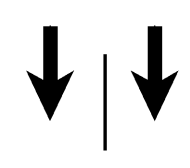
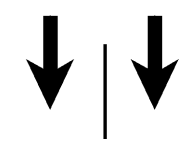
**DMS ELEVATION DETAIL
INTERSTATE 269 (WB)
STA. 226+00
DMS SITE #2 - WKG. NO. ITS-10**
NOT TO SCALE



**PLAN VIEW DETAIL
I-269 (WB)
DMS SITE #2**
SCALE: 1" = 40'

| | |
|--|---------------------|
| MISSISSIPPI DEPARTMENT OF TRANSPORTATION | |
| DMS DETAILS | |
| DMS SITE #2 | I-269 WB |
| STA. 226+00 | COUNTY: DESOTO |
| PROJ. NUM.: STP-0029-02(017) | FILENAME: DMS-2.DGN |
| WORKING NUMBER | SHEET NUMBER |
| DMS-2 | 3021 |
| DESIGN TEAM | STANTEC |
| CHECKED | DATE |

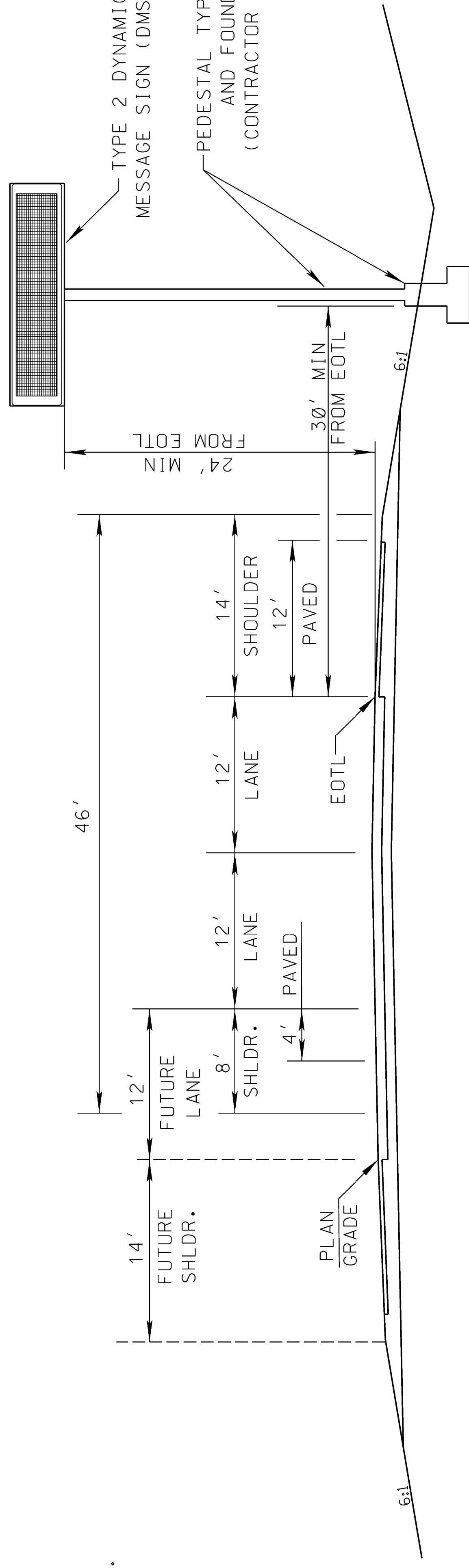
E.O.T.L.
I-269 (WESTBOUND LANES)



| | |
|-------|------------------|
| STATE | PROJECT NO. |
| MISS. | STP-0029-02(017) |

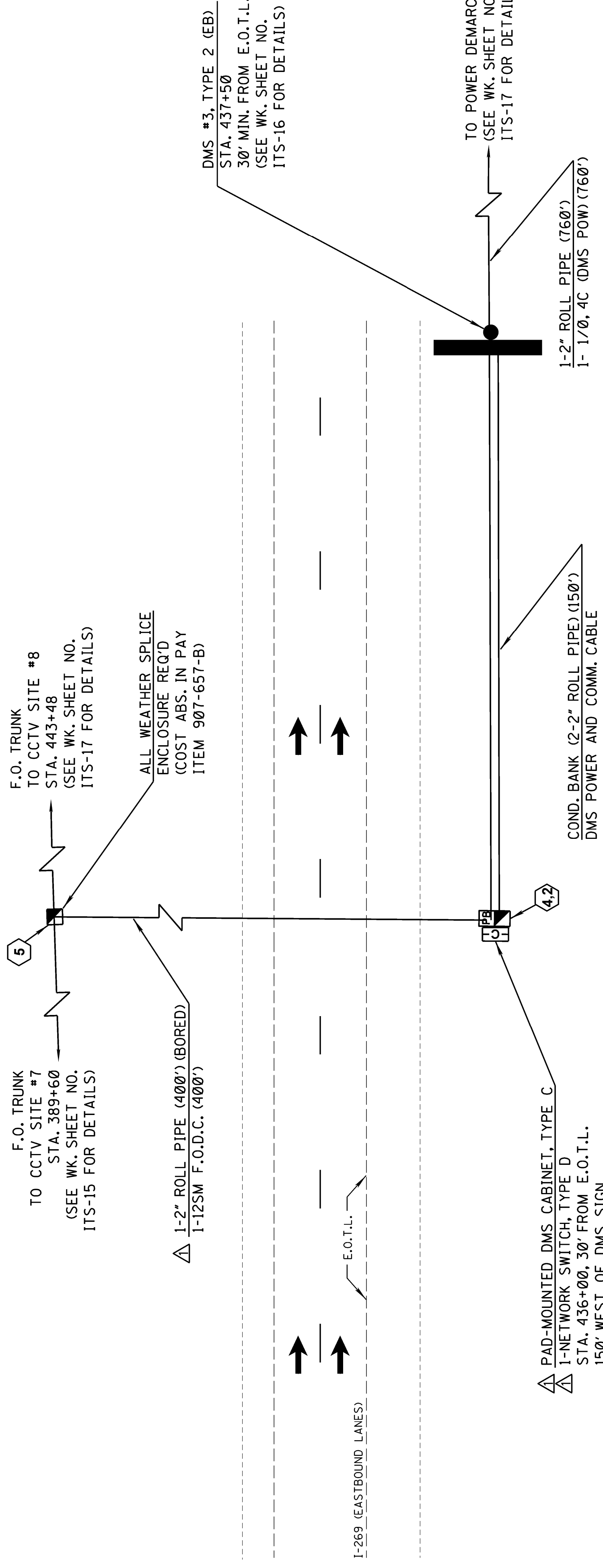
TYPE 2 DMS STRUCTURE NOTES:

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.
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9. SEE SPECIAL PROVISION NO. 907-630-12 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. ACCURACY OF ELEVATION FOR DMS SIGN SHALL BE APPROVED BY FIELD ENGINEER.



**DMS ELEVATION DETAIL
INTERSTATE 269 (EB)
STA. 437+50
DMS SITE #3 - WKG. NO. ITS-16**

NOT TO SCALE



**PLAN VIEW DETAIL
I-269 (EB)
DMS SITE #3**

SCALE: 1" = 40'

| MISSISSIPPI DEPARTMENT OF TRANSPORTATION | |
|--|------------------|
| DMS DETAILS | |
| BY | JMR |
| REVISION | |
| UPDATED SHEET | |
| DATE | 08/05/16 |
| WORKING NUMBER | DMS-3 |
| PROJECT NUMBER | STP-0029-02(017) |
| FILENAME | DMS-3.DGN |
| DESIGN TEAM | STANTEC |
| CHECKED | |
| DATE | |
| SHEET NUMBER | 3022 |

TO POWER DEMARCATION
(SEE WK. SHEET NO.
ITS-17 FOR DETAILS)

1-2" ROLL PIPE (760')
1- 1/0, 4C (DMS POW) (760')

COND. BANK (2-2" ROLL PIPE) (150')
DMS POWER AND COMM. CABLE

△ PAD-MOUNTED DMS CABINET, TYPE C
△ I-NETWORK SWITCH, TYPE D
△ STA. 436+00, 30' FROM E.O.T.L.
150' WEST OF DMS SIGN.

△ 1-2" ROLL PIPE (400') (BORED)
1-12SM F.O.D.C. (400')

DMS #3, TYPE 2 (EB)
STA. 437+50
30' MIN. FROM E.O.T.L.
(SEE WK. SHEET NO.
ITS-16 FOR DETAILS)

F.O. TRUNK
TO CCTV SITE #8
STA. 443+48
(SEE WK. SHEET NO.
ITS-17 FOR DETAILS)

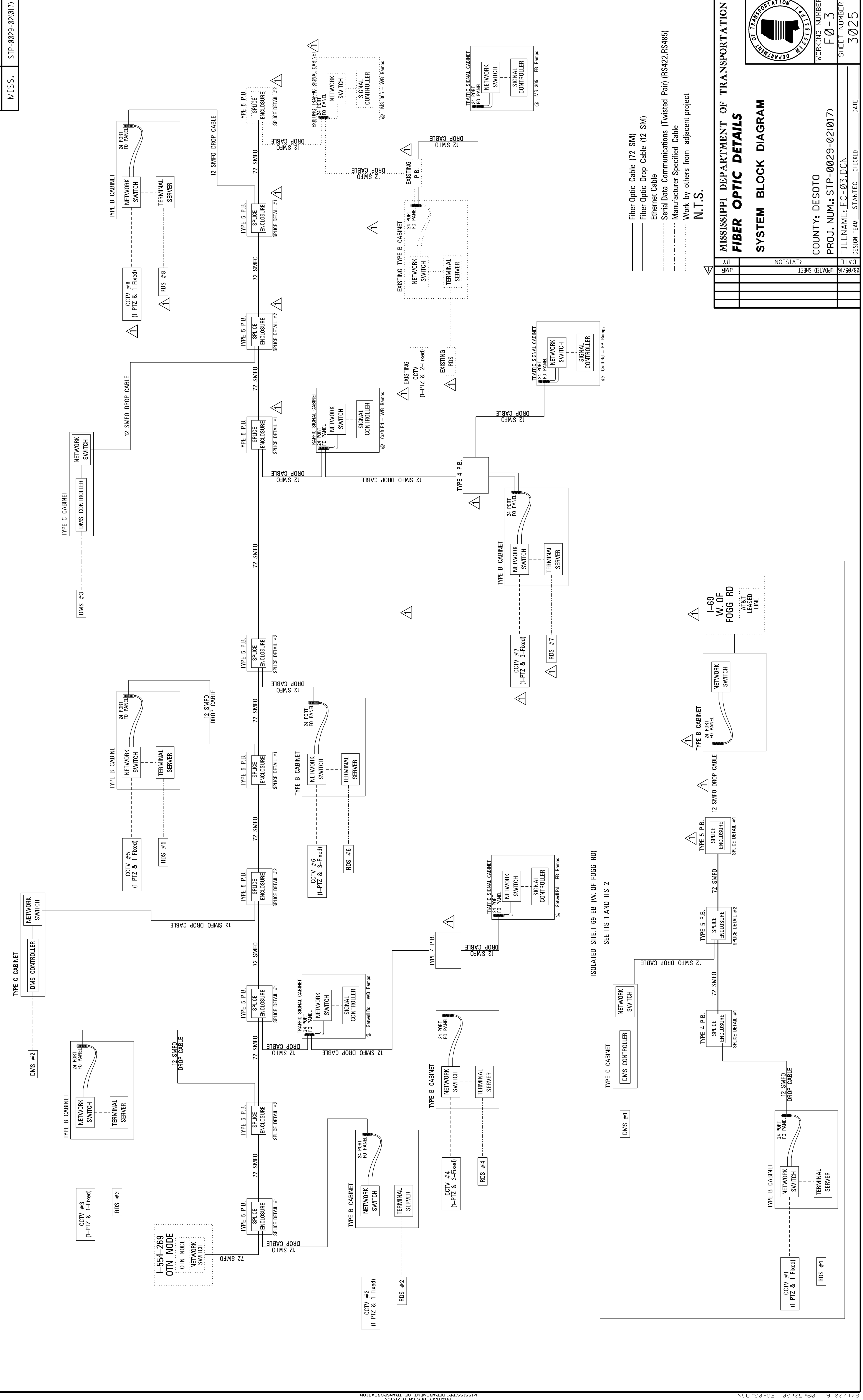
F.O. TRUNK
TO CCTV SITE #7
STA. 389+60
(SEE WK. SHEET NO.
ITS-15 FOR DETAILS)

ALL WEATHER SPLICE
ENCLOSURE REQ'D
(COST ABS. IN PAY
ITEM 907-657-B)

I-269 (EASTBOUND LANES)

E.O.T.L.

| | |
|-------------|------------------|
| STATE | MISS. |
| PROJECT NO. | STP-0029-02(017) |



| | | | |
|-------|-------|-------------|------------------|
| STATE | MISS. | PROJECT NO. | STP-0029-02(017) |
|-------|-------|-------------|------------------|



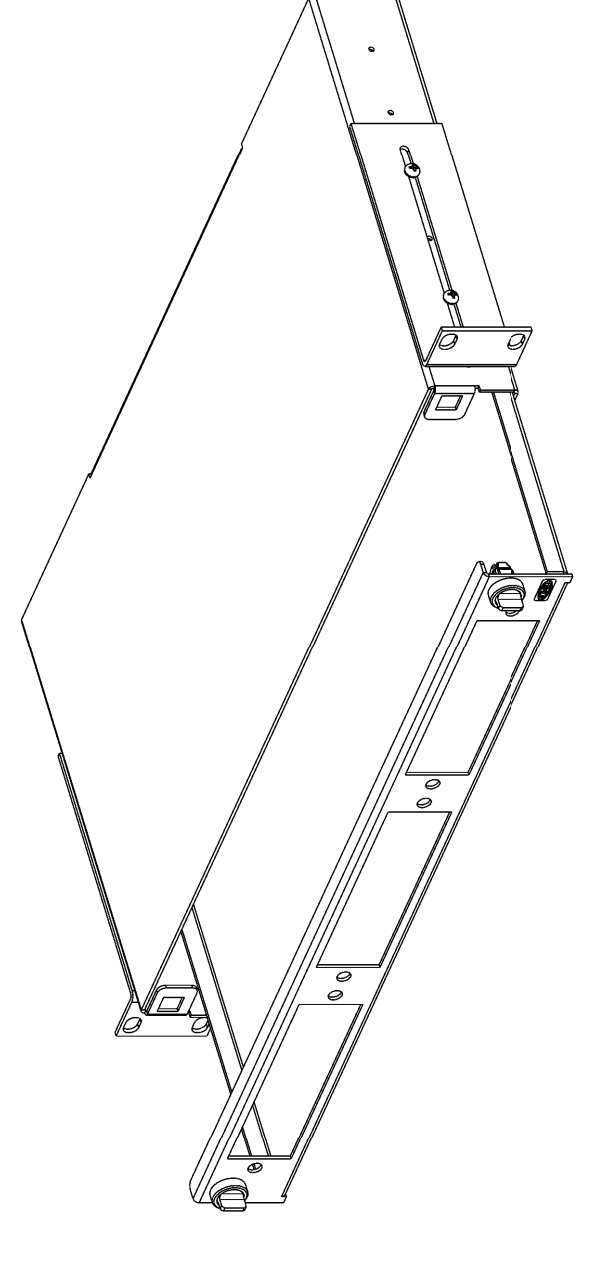
FIBER COLOR STANDARD

| | | | |
|----|--------|----|--------|
| AQ | AQUA | RS | ROSE |
| BK | BLACK | SL | SLATE |
| BL | BLUE | VI | VIOLET |
| BR | BROWN | WH | WHITE |
| GR | GREEN | YL | YELLOW |
| OR | ORANGE | RD | RED |

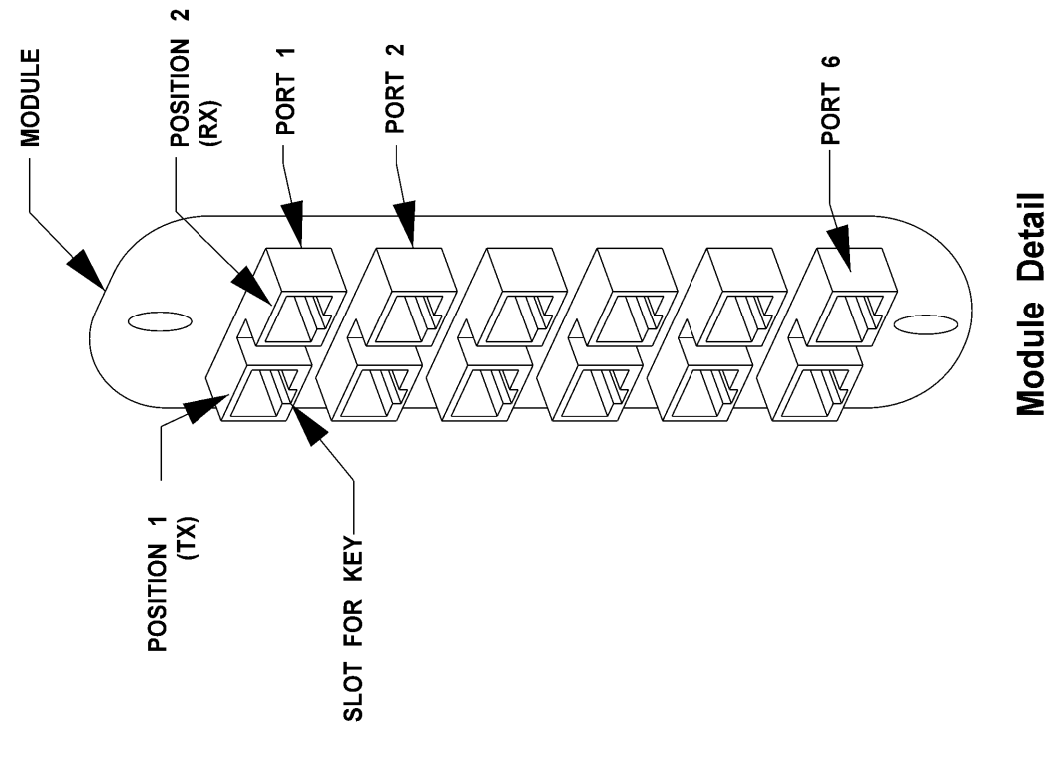
LEGEND

| | |
|--|------------------------------------|
| | FO CABLE |
| | FO BUFFER |
| | FO FIBER |
| | FUSION SPLICE |
| | UNTERMINATED FIBER(S) OR BUFFER(S) |

| Working Number | Site Description | Equipment | Switch Type | Trunk Fibers Used | Drop Detail |
|----------------|---------------------------|--|-------------|-------------------|-------------|
| ITS-1 | CCTV SITE #1 | 1-PTZ, 1-FIXED & 1-RDS | A | SL, WH, RS, AQ | 1 |
| ITS-1 | DMS #1 | DMS SIGN | D | RD, BK, RS, AQ | 2 |
| ITS-5 | CCTV SITE #2 | 1-PTZ, 1-FIXED & 1-RDS | A | SL, WH, RS, AQ | 1 |
| ITS-7 | CCTV SITE #3 | 1-PTZ, 1-FIXED & 1-RDS | A | RD, BK, RS, AQ | 2 |
| ITS-8 | GETWELL RD / CCTV SITE #4 | 1-PTZ, 3-FIXED, 1-RDS & 2-SIGNAL CONTROLLERS | A | SL, WH, RS, AQ | 1 |
| ITS-10 | DMS #2 | DMS SIGN | D | RD, BK, RS, AQ | 2 |
| ITS-10 | CCTV SITE #5 | 1-PTZ, 1-FIXED & 1-RDS | A | SL, WH, RS, AQ | 1 |
| ITS-12 | CCTV SITE #6 | 1-PTZ, 3-FIXED & 1-RDS | A | RD, BK, RS, AQ | 2 |
| ITS-15 | CRAFT RD / CCTV SITE #7 | 1-PTZ, 3-FIXED, 1-RDS & 2-SIGNAL CONTROLLERS | A | SL, WH, RS, AQ | 1 |
| ITS-16 | DMS #3 | DMS SIGN | D | RD, BK, RS, AQ | 2 |
| ITS-17 | CCTV SITE #8 | 1-PTZ, 1-FIXED & 1-RDS | A | SL, WH, RS, AQ | 1 |
| ITS-18 | MS 305 (EB RAMP) | 1-SIGNAL CONTROLLER | A | RD, BK, RS, AQ | 2 |
| ITS-2 | COMMUNICATIONS DEMARK | | D | SL, WH, RS, AQ | 1 |

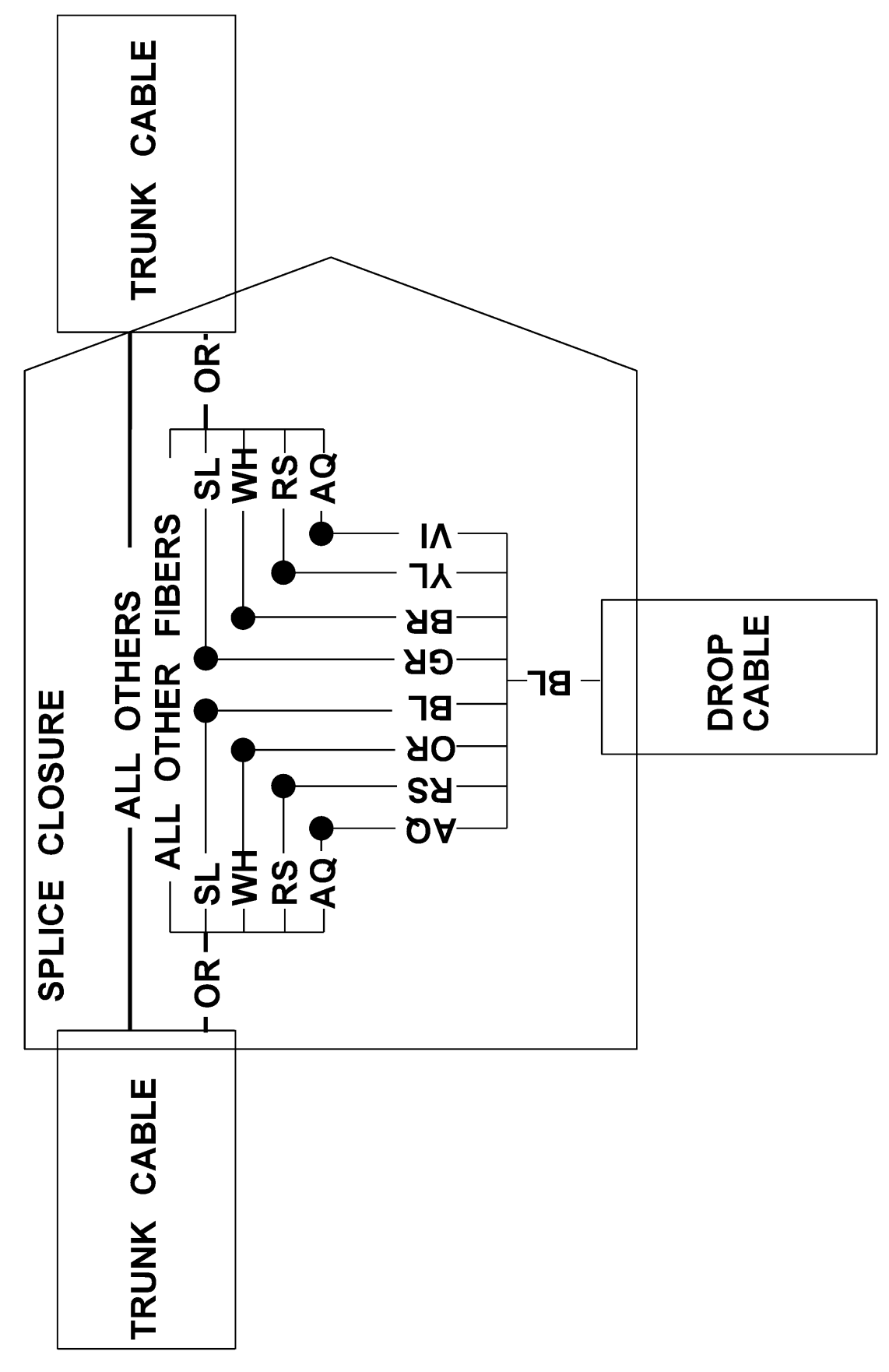


19" RACKMOUNT TERMINATION PANEL

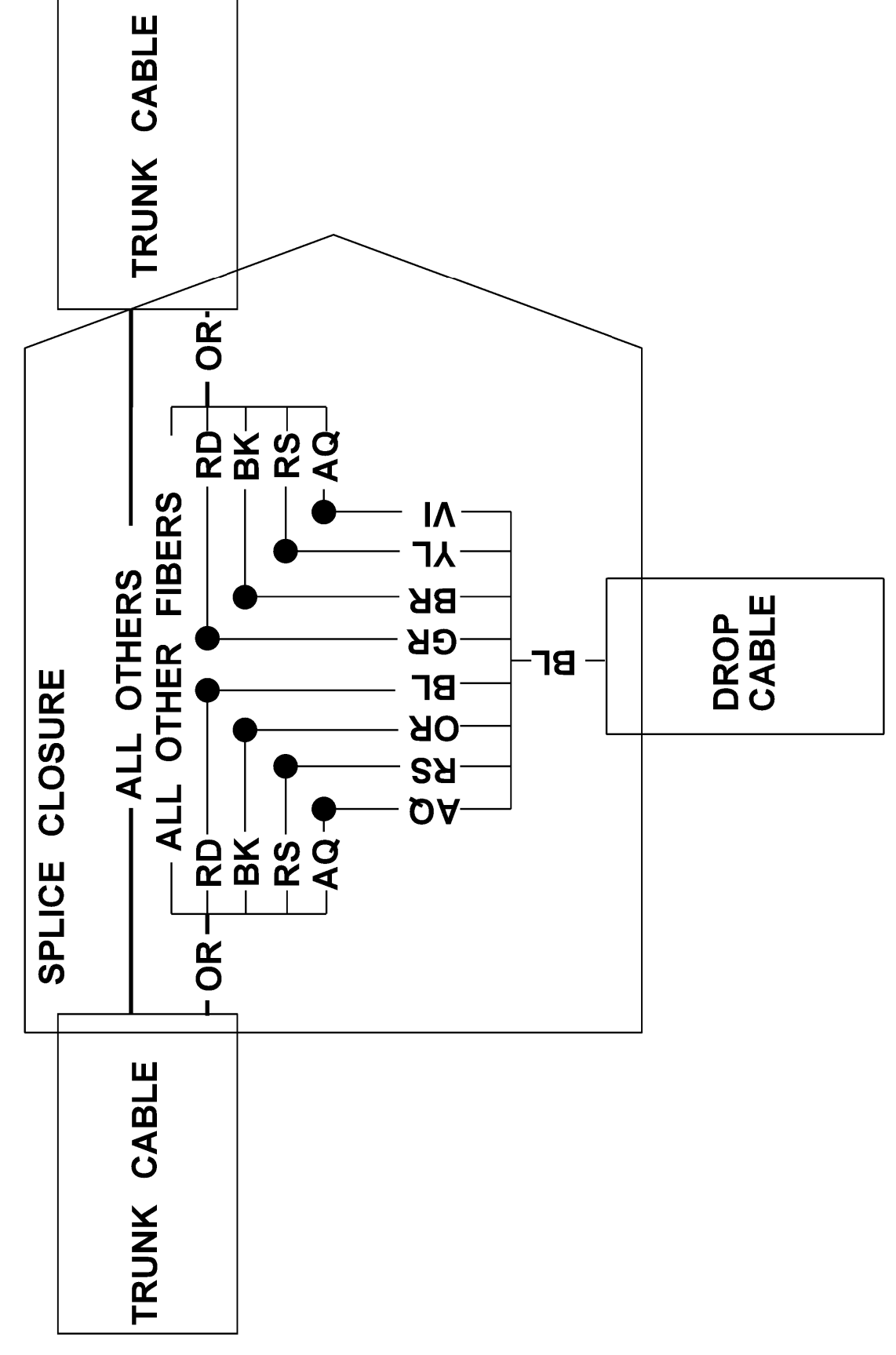


Module Detail

SPLICE DETAIL #1



SPLICE DETAIL #2



| | |
|---------------|----------|
| BY | JMR |
| REVISION | |
| UPDATED SHEET | |
| DATE | 08/05/16 |

COUNTY: DESOTO
 PROJ. NUM.: STP-0029-02(017)
 FILENAME: FO-04.DGN
 DESIGN TEAM: STANTEC CHECKED: DATE:

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
FIBER OPTIC DETAILS
 FIBER SPLICING DETAILS

WORKING NUMBER: FO-4
 SHEET NUMBER: 3026