SECTION 905 -- PROPOSAL (CONTINUED)

I (We) further propose to execute the attached contract agreement (Section 902) as soon as the work is awarded to me (us), and to begin and complete the work within the time limit(s) provided for in the Specifications and Advertisement. I (We) also propose to execute the attached contract bond (Section 903) in an amount not less than one hundred (100) percent of the total of my (our) part, but also to guarantee the excellence of both workmanship and materials until the work is finally accepted.

I (We) enclose a certified check, cashier's check or bid bond for **five percent (5%) of total bid** and hereby agree that in case of my (our) failure to execute the contract and furnish bond within Ten (10) days after notice of award, the amount of this check (bid bond) will be forfeited to the State of Mississippi as liquidated damages arising out of my (our) failure to execute the contract as proposed. It is understood that in case I am (we are) not awarded the work, the check will be returned as provided in the Specifications.

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	**10/15/2013**	ADDENDUM NO.	**3**	DATED	**11/19/2013**
ADDENDUM NO	**2**	DATED	**11/12/2013**	ADDENDUM NO.		DATED	

Number	Description
1	Added or Revised Plan Sheet Nos. 2, 60, 102, 103, & 110; Amendment EBS Download Required.
2	Revised Advertisement, replaces same; Revised NTB No. 1369M, replaces same; BidItems, replace same; Added or Revised Plan Sheet Nos. 2, 9, 10, 60, 102, 103, 110, 8001, 8019-8021, & 9001-9075; Amendment EBS Download Required.
3	Revised Table of Contents, replace same; Revised NTB No. 1370M, replaces same; Add NTB Nos. 1384M & 1385M; Add SP 907-107-22M Supplement; BidItems, replace same; Added or Revised Plan Sheet Nos. 2, 3, 11, 53, 54, 57, 2007, & 2008; Amendment EBS Download Required.

TOTAL ADDENDA: **3**
(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.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TABLE OF CONTENTS

PROJECT: SP-9392-00(008) / 100710302 -- Jackson County

-- CONTINUED ON NEXT PAGE --

Rumble Stripe - # 1343M
Type III Barricade Rails - # 1344M
Safety Apparel - # 1345M
Terminal End Sections - # 1354M
Alternate Crushed Stone Base Bid Items - # 1355M
Warm Mix Asphalt (WMA) - # 1357M
Manual on Uniform Traffic Control Devices - # 1362M
Electronic Addendum Process - # 1363M
Contract Time - # 1369M
Specialty Items - # 1370M
Placement of Fill Materials in Federally Regulated Areas - # 1371M
Performance Period - # 1372M
Cooperation Between Contractors - # 1373M
Adjustments for Bituminous Materials - # 1374M
Right to Audit - # 1375M
Project Sign - # 1376M
MDES Employment Plan Compliance - # 1377M
Additional Contract Requirements - # 1378M
Pay Item Number - # 1379M
Health, Safety, and Environmental Training And Guidance - # 1384M
Sequence of Operations Soils - # 1385M

907-101-4M: Definitions
907-102-9M: Bidding Requirements and Conditions
907-103-7M: Award and Execution of Contract
907-104-8M: Scope of Work
907-105-7M: Control of Work
907-106-4M: Control of Materials
907-107-10M: Environmental Protection
907-107-21M: Legal Relations and Responsibility to Public
907-107-22M: Contractor's Protection Plan, W/Supplement
907-108-31M: Prosecution and Progress
907-109-15M: Measurement and Payment
907-203-1M: Excavation & Embankment
907-209-1M: Geotextile Fabric For Stabilization
907-216-1M: Solid Sodding
907-217-1M: Ditch Liner
907-223-1M: Mowing
907-225-5M: Grassing
907-226-2M: Temporary Grassing
907-227-6M: Hydroseeding
907-234-1M: Silt Fence
907-234-5M: Siltation Barriers
907-237-4M: Wattles
907-246-3M: Sandbags & Rockbags
907-247-1M: Temporary Stream Diversion
907-249-1M: Riprap for Erosion Control
907-304-17M: Granular Courses
907-307-6M: Lime Treated Courses

-- CONTINUED ON NEXT PAGE --

907-308-5M: Portland Cement Treated Courses
907-311-6M: Lime-Fly Ash Treated Courses
907-401-10M: Hot Mix Asphalt (HMA), W/Supplement
907-403-8M: Hot Mix Asphalt (HMA), W/Supplement
907-407-1M: Tack Coat
907-413-1M: Sawing & Sealing Joints in Bituminous Concrete Overlay, W/Supplement
907-423-2M: Ground-In Rumble Strips
907-501-13M: Portland Cement Concrete Pavement
907-601-2M: Structural Concrete
907-603-4M: Culverts and Storm Drains
907-606-1M: Terminal End Sections
907-617-3M: Right-Of-Way Markers
907-618-12M: Placement of Temporary Traffic Stripe
907-619-11M: Traffic Control for Construction Zones
907-619-13M: Temporary Pavement Markings
907-619-14M: Portable Median Barriers
907-625-2M: Painted Traffic Markings
907-626-21M: Thermoplastic Markings
907-627-1M: Raised Pavement Markings
907-628-9M: Cold Plastic Pavement Markings
907-636-1M: Shielded Cable
907-639-3M: Traffic Signal Equipment Poles
907-640-1M: Traffic Signal and Pedestrian Heads
907-642-1M: Solid State Traffic Actuated Controllers
907-647-2M: Pullboxes
907-648-2M: Radio Interconnect
907-649-2M: Video Vehicle Detection
907-653-3M: LED Internally Illuminated Signs
907-668-1M: Traffic Signal Conduit (Underground), Roll Pipe
907-675-1M: Railroad Signal Preemption
907-690-1M: Decommissioning of Abandoned or Unused Water Wells, W/Supplement
907-699-3M: Construction Layout & Staking
907-700-2M: Use of Crushed Reclaimed Concrete Pavement in Asphalt
907-701-4M: Hydraulic Cement
907-702-9M: Petroleum Asphalt Cement & Polymer Modified Petroleum Asphalt Cement
907-703-1M: Coarse Aggregate for Cement Concrete
907-703-9M: Aggregates for Hot Mix Asphalt (HMA), W/Supplement
907-703-10M: Aggregates, W/Supplement
907-707-1M: Rubber Type Gaskets, W/Supplement
907-708-7M: Non-Metal Drainage Structures
907-709-1M: Metal Pipe
907-710-1M: Fast Drying Acrylic Waterborne Traffic Paint
907-710-2M: Fast Drying Solvent Traffic Paint
907-711-1M: Reinforcing Steel
907-711-6M: Synthetic Structural Fiber Reinforcement
907-712-4M: Materials for Guardrail Posts
907-713-3M: Admixtures for Concrete
907-714-14M: Miscellaneous Materials
907-715-2M: Erosion Control Blanket

-- CONTINUED ON NEXT PAGE --

907-715-7M: Roadside Development Materials, W/Supplement
907-716-1M: Miscellaneous Materials
907-720-10M: Reflective Pav't Markers & Adhesive for Pav't Marker
907-720-11M: Pavement Marking Materials
907-721-5M: Flexible Delineators
907-721-7M: Materials for Signing
907-721-8M: Reflective Sheeting
907-803-19M: Deep Foundations
907-804-21M: Concrete Bridges & Structures, W/Supplement
907-810-1M: Steel Structures
907-815-4M: Geotextile for RipRap
907-899-2M: Railway-Highway Provisions

SECTION 905 - PROPOSAL,
PROPOSAL BIDITEMS,
COMBINATION BID PROPOSAL,
CERTIFICATE OF PERFORMANCE - PRIOR FEDERAL-AID CONTRACTS,
CERTIFICATION REGADING NON-COLLUSION, DEBARMENT AND SUSPENSION,
SECTION 902 - CONTRACT FORM, AND SECTION 903 - CONTRACT BOND FORM,
PILE DRIVING FORM,

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

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 1370M

DATE: 11/19/2013

SUBJECT: Specialty Items

PROJECT: SP-9392-00(008) / 100710302 - Jackson County

Pursuant to the provisions of Section 108, the following work items are hereby designated as "Specialty Items" for this contract. Bidders are reminded that these items must be subcontracted in order to be considered as specialty items.

CATEGORY: CURBING, SIDEWALKS, GUTTERS

Line No	Pay Item	Description
0430	616-A001	Concrete Median and/or Island Pavement (100-mm)
0440	616-A003	Concrete Median and/or Island Pavement (250-mm)

CATEGORY: EROSION CONTROL

Line No	Pay Item	Description
0150	211-A001	Topsoil for Slope Treatment (From Right-of-Way)
0160	213-C001	Superphosphate
0170	219-A001	Watering
0180	220-A001	Insect Pest Control
0190	235-A001	Temporary Erosion Checks
0700	907-216-A001	Solid Sodding
0710	907-217-A001	Ditch Liner
0730	907-225-A001	Grassing
0740	907-225-B001	Agricultural Limestone
0750	907-225-C001	Mulch, Vegetative Mulch
0760	907-226-A002	Temporary Grassing
0770	907-234-A002	Temporary Silt Fence
0780	907-234-F001	Turbidity Barrier
0790	907-237-A002	Wattles, 500-mm
0800	907-246-A001	Sandbags
0810	907-247-A001	Temporary Stream Diversion
0820	907-249-A001	Riprap for Erosion Control

CATEGORY: GUARDRAIL, GUIDERAIL

Line No	Pay Item	Description
0370	606-B001	Guard Rail (Class A, Type 1)
0380	606-D012	Guard Rail, Bridge End Section, Type I
0930	907-606-E003	Guard Rail, Terminal End Section, Flared
0940	907-606-E004	Guard Rail, Terminal End Section, Non-Flared

CATEGORY: LANDSCAPING

Line No	Pay Item	Description
0720	907-223-A001	Mowing

CATEGORY: MISCELANEOUS/ SPECIALTY WORK ITEMS

Line No	Pay Item	Description
0890	907-423-A001	Rumble Strips (Ground In)

CATEGORY: PAVEMENT STRIPING AND MARKING

Line No	Pay Item	Description
1080	907-626-AA003	150-mm Thermoplastic Traffic Stripe (Skip White) (2.25-mm min)
1090	907-626-AA006	150-mm Thermoplastic Double Drop Traffic Stripe (Skip White)(2.25-mm min.)
1100	907-626-CC004	150-mm Thermoplastic Double Drop Edge Stripe (Continuous White) (2.25-mm min)
1110	907-626-DD003	150-mm Thermoplastic Traffic Stripe (Skip Yellow) (2.25-mm min)
1120	907-626-DD004	150-mm Thermoplastic Double Drop Traffic Stripe, Skip Yellow
1130	907-626-EE004	150-mm Thermoplastic Traffic Stripe (Continuous Yellow) (2.25-mm min)
1140	907-626-EE005	150-mm Thermoplastic Double Drop Traffic Stripe, Continuous Yellow, 2.25-mm min
1150	907-626-GG001	Thermoplastic Detail Stripe (150-mm Equivalent Length)(White)(2.25-mm min.)
1160	907-626-GG002	Thermoplastic Detail Stripe (150-mm Equivalent Length)(Yellow)(2.25-mm min.)
1170	907-626-H001	Thermoplastic Legend (White)(3.00-mm min.)
1180	907-626-H002	Thermoplastic Legend (White)(3.00-mm min.)
1190	907-627-J001	Two-Way Clear Reflective High Performance Raised Markers
1200	907-627-K001	Red-Clear Reflective High Performance Raised Markers
1210	907-627-L001	Two-Way Yellow Reflective High Performance Raised Markers

CATEGORY: SURVEY AND STAKING

Line No	Pay Item	Description
0950	907-617-A003	Right-of-Way Marker
1420	907-699-A001	Roadway Construction Stakes

CATEGORY: TRAFFIC CONTROL - PERMANENT

Line No	Pay Item	Description
0540	630-A001	Standard Roadside Signs (Sheet Aluminum, 2.03-mm Thickness)
0550	630-A002	Standard Roadside Signs (Sheet Aluminum, 3.18-mm Thickness)
0580	630-F001	Delineators (Guard Rail)(White)
0590	630-F006	Delineators (Post Mounted)(Single White)
0600	630-F008	Delineators (Post Mounted)(Double White)
0610	630-G001	Type 3 Object Markers (OM-3R or OM-3L) Post Mounted
1230	907-639-A002	Traffic Signal Equipment Pole (Type IV) (9.1-m Shaft) (12.2-m Arm)
1240	907-639-A014	Traffic Signal Equipment Pole (Type II) (5.2-m Shaft) (9.1-m Arm)
1250	907-639-A015	Traffic Signal Equipment Pole (Type II) (5.2-m Shaft) (12.2-m Arm)
1260	907-639-C005	Pole Foundations, 900-mm Diameter

CATEGORY: TRAFFIC CONTROL - PERMANENT

Line No	Pay Item	Description
1270	907-639-D005	Slip Casing, 900-mm Diameter
1280	907-640-B001	Traffic Signal Heads (Type 1) LED
1290	907-640-B006	Traffic Signal Heads (Type 7) LED
1300	907-640-B009	Traffic Signal Heads (Type 4) LED
1310	907-642-A001	Solid State Traffic Actuated Controllers (Type 8M)
1320	907-647-A002	Pullboxes (Type 2)
1330	907-648-A001	Radio Interconnect (Installed in New Controller Cabinet)
1340	907-649-D001	Multi-Sensor Detection System, 1 Sensor
1350	907-653-A001	Traffic Sign, Internally Illuminated Sign
1360	907-653-B001	Street Name Sign (Encapsulated Lens)
1370	907-668-E001	Traffic Signal Conduit (Underground Drilled or Jacked), Rolled Pipe, (25 mm)
1380	907-668-E002	Traffic Signal Conduit (Underground Drilled or Jacked), Rolled Pipe, (50 mm)
1390	907-668-E003	Traffic Signal Conduit (Underground Drilled or Jacked), Rolled Pipe, (75 mm)
1400	907-675-A001	Railroad Signal Preemption
1460	908-666-B021	Electric Cable (Underground in Conduit)(IMSA 20-1)(AWG 10), 2 Conductor
1470	908-666-B036	Electric Cable (Underground in Conduit)(IMSA 20-1)(AWG 14), 8 Conductor
1480	908-668-A013	Traffic Signal Conduit (Underground) (Type IV) (DN 25)

CATEGORY: TRAFFIC CONTROL - TEMPORARY

Line No	Pay Item	Description
0460	619-D1001	Standard Roadside Construction Signs (less than 0.9 square meter)
0470	619-D2001	Standard Roadside Construction Signs (0.9 square meter or more)
0480	619-F1001	Concrete Median Barrier (Precast)
0490	619-G4001	Barricades (Type III) (Single Faced)
0500	619-G4005	Barricades (Type III) (Double Faced)
0510	619-G5001	Free Standing Plastic Drums
0520	619-G7001	Warning Lights (Type "B")
0525	619-H1001	Traffic Signals ,SR 611 at Orchard Rd.
0960	907-619-A1002	Temporary Traffic Stripe (Continuous White) (Type 1 Tape)
0970	907-619-A1010	Temporary Traffic Stripe (Continuous White)
0980	907-619-A2002	Temporary Traffic Stripe (Continuous Yellow) (Type 1 Tape)
0990	907-619-A2010	Temporary Traffic Stripe (Continuous Yellow)
1000	907-619-A3005	Temporary Traffic Stripe (Skip White)
1010	907-619-A3009	Temporary Traffic Stripe, Skip White, Type 1 Tape
1020	907-619-A4005	Temporary Traffic Stripe (Skip Yellow)
1030	907-619-A4009	Temporary Traffic Stripe, Skip Yellow, Type 1 Tape
1040	907-619-A5005	Temporary Traffic Stripe (Detail)
1050	907-619-A6006	Temporary Traffic Stripe (Legend) (Type 1 Tape)
1060	907-619-A6010	Temporary Traffic Stripe (Legend)
1070	907-619-F1006	Portable Median Barrier (Less Than or Equal to 72 kph)
1075	907-619-F2001	Remove and Reset Portable Median Barrier

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 1384M **CODE: (SP)**

DATE: 11/19/2013

SUBJECT: Health, Safety, and Environmental Training And Guidance

PROJECT: SP-9392-00(008) / 100710302 -- Jackson County

Bidders are advised that this contract requires the Prime Contractor to provide health, safety and environmental (HSE) training and guidance for the Prime Contractor's employees and lower-tiered subcontractor's employees to help ensure that project road construction activities are conducted in accordance with MDOT, OSHA and Prime Contractor HSE requirements. This HSE Plan shall help ensure that the project is accomplished **incident and injury free.** All project personnel shall be trained in this HSE plan prior to working on the site.

General:

- **Project:** SR 611 Jackson County, Mississippi
  MDOT Project No. STP-9392-00(008)/100710302
- **Work location:** SR 611 Pascagoula, Mississippi
- **Work tasks:** Road construction activities as per contract

Health, Safety and Environmental Requirements:
Work performed on the Project shall comply with all applicable Federal, State of Mississippi HSE requirements, as well as requirements outlined in this HSE plan.

Site Team:

- One Prime Contractor employee shall be designated as the site Safety Officer. This individual's primary responsibility is to provide over-sight to ensure that governmental, and Project HSE Policies and Procedures are followed and that unsafe acts and unsafe conditions are recognized and immediately remedied.
- Also, the Prime Contractor Site Superintendent is a designated safety representative in the event the Safety Officer is not available.
- Subcontractors are required to provide a safety representative.

Other Prime Contractor personnel working on the Project are identified below:

Prime Contractor Contacts:

Name	Responsibility	Cell	Other
	Senior Project Manager		
	Project Manager		
	Principal Engineer		
	Safety Director		

MDOT Contacts:

Name	Responsibility	Cell	Other
	Site Manager		
	HSE Manager		

Emergency Contacts:

Name	Responsibility	Cell	Other
	Plant Emergency		
Hospital	Singing River		228-809-5000
Chevron Main Gate	Security/Emergency		228-938-4506
	Principal Engineer		
	Safety Director		

Emergency Equipment:

The Prime Contractor and its lower-tiered subcontractors shall communicate via cell phones.

- Supervisory cell phones
- First aid kits
- Fire extinguishers

Personal Protective Equipment:

Project personnel shall be provided with and required to wear on the job site, proper and appropriate personal protective equipment based on hazards present or predicted. The Project area does not require H2S monitors.

Minimum PPE requirements are:

- Hard hat
- Safety glasses with side shields
- Steel toe boots
- High visibility vest
- Gloves
- HAZWOPER Level D as required

Additional PPE shall be provided as may be required by the nature of the work, and/or as specified by regulations, MDOT, Prime Contractor or subcontractor.

Training Requirements:
All training shall be documented and kept on file in the field office and shall be available for review on request.

- Prime Contractor HSE plan training
- Subcontractor HSE policies and procedures
- Daily toolbox training
- Material Safety Data Sheet (MSDS) review
- 40 Hour HAZWOPER

Working Near Buried Pipelines:
Because there are potential hazards associated with construction or excavation work around buried pipelines and in accordance with U. S. Department of Transportation and Office of Pipeline Safety requirements, the Prime Contractor and its lower-tiered subcontractors shall ensure the following general requirements for working near buried pipelines are met:

- Verify that supervisors working near buried pipelines are qualified to perform the necessary tasks.
- Implementation of pipeline damage prevention program.
- Federal, State, and local requirements shall be followed.
- One-Call (1-800) shall be made prior to starting any construction.
- Contact all buried pipeline owners and have representatives on site.
- Provide "as-built" drawings showing pipeline field locations.
- Place field survey of line locations, certified by a Mississippi Professional Land Surveyor, on construction documents using the refinery Datum Coordinate System. Coordinate system using total station or survey grade GPS equipment.
- Mark all buried pipelines with field signage.
- Perform construction tasks with written quality control programs.
- Construction personnel shall be trained and have the necessary knowledge, skills and abilities to perform the work.

Pipeline Encroachment Permits - Refer to Pipeline Encroachment Permits available in the Prime Contractor Site Superintendent's office.

Emergency Response - In the event of a buried pipeline emergency, contact the Prime Contractor Site Superintendent immediately.

Overhead Power Lines:
Safe work zones that comply with OSHA regulations must be established around energized overhead power lines. These safety measures must be in place at all times.

Inclement Weather:

- All work shall cease and employees shall seek appropriate shelter during inclement weather. Work shall not resume until approved by the safety officer.

- Prime Contractor and lower-tiered subcontractor shall provide a shelter for their employees.

Safety Meetings:

- The Prime Contractor and its lower-tiered subcontractors shall hold a safety meeting with all employees at the beginning of each day. The following shall be covered:
  a) Toolbox safety topic
  b) Discussion of previous day's HSE issues
  c) Job Safety & Environmental Analysis (JSEA)
  d) Discussion of relevant job hazards associated with each day's tasks.
  e) These meetings are mandatory and all employees must be on time.
- This HSE Plan shall be covered with all employees during the initial safety meeting and with all subsequent new employees before beginning work.
- The Prime Contractor and its lower-tiered subcontractors shall maintain an effective system of orientation, training, supervision and education of new or transferred employees to the Project.

Hazard Evaluation:

- Job Safety Analyses (JSA) must be written and agreed to by all employees for the assigned work tasks.
- If job tasks change or new work is added, a new JSA must be written and agreed to by all affected employees.
- JSA's are reviewed in the daily toolbox meetings prior to start of work each day. All JSA's shall be documented and kept on file in the field office and shall be available for review on request.

Hazard Communication:
Any chemicals brought onto the site must receive prior approval by the Prime Contractor representative. The appropriate MSDS must accompany the hazardous material. Any employee using the chemicals must review the appropriate MSDS prior to the chemical's use.

Work Permits:
No work shall commence without receipt of the appropriate work permits.

Employee Right to Stop Work:
Employees should work at a pace and in a manner that is efficient but that does not compromise safety. All employees have the right and the responsibility to stop work that they consider to be unsafe. Work should not resume until the safety officer, supervisor and employee have all agreed that the unsafe condition has been corrected.

Reporting of Injuries, Incidents & Near Misses:
All injuries, incidents or near misses must be reported to the Prime Contractor Safety Officer immediately. An appropriate investigation shall be conducted.

Smoking:
There shall be no smoking except in designated areas.

Drugs & Alcohol:

- Use, possession, or being under the influence of controlled substances or alcohol is strictly forbidden. (This includes empty alcoholic beverage containers in your vehicle.)
- All employees working on the Project shall be drug tested prior to starting work.
- All employees are also subject to random, for cause, and post injury/incident drug and/or alcohol testing. A positive test and or refusal to submit to a test require the employee's removal from the Project.
- Prime Contractor and its lower-tiered subcontractors shall maintain and implement a written Drug and Alcohol Program in accordance with applicable regulations.

Firearms/Ammunition:
The possession of firearms, ammunition (live or spent) or weapons on the Project site is strictly prohibited**.**

Cell Phones:
Personal cell phones shall not be used while driving or performing work activities.

Driving/Parking:

- Posted speed limit signs shall be obeyed. All traffic and safety signs shall be obeyed.
- Seat belt use is mandatory.
- Vehicles shall be parked in approved areas.
- Keys shall be left in the vehicle if it is not parked in a designated parking lot.
- When vehicles must be parked on a road or the shoulder of a road, they shall be marked with orange traffic cones.
- All vehicles shall have company logos affixed to the sides.

Horseplay:

- Horseplay, practical jokes and fighting shall not be tolerated. Disciplinary action up to and including termination: Zero tolerance
- The Prime Contractor shall have the right, at any time, to bar from the work site any personnel whose conduct could jeopardize the safety of any person or operation.

Housekeeping:
All work areas shall be kept in a clean and orderly condition at all times. Trash and other debris shall be bagged and removed from the job site each day and disposed of properly.

Heat Stress:
The potential health hazards associated with heat exposure and dehydration shall be communicated to all personnel during their initial safety orientation and periodically during safety toolbox meetings. An adequate supply of fresh water shall be provided at the work site.

Environmental:

1. General Site Information.

In January 2010, Thompson Engineering completed a Hazardous Materials Study of the area potentially affected by the proposed improvements to SR 611 in Pascagoula, Jackson County, Mississippi. The study focused from North of the intersection of SR 63 and SR 90 South to the southern termini of SR 611. The Project extends approximately 4.5 miles.

Six sites were tested. Of these, the following three (3) sites have impacted the shallow soils and groundwater within the SR 611 corridor in the vicinity of the respective facilities:

Site 4 – First Chemical Corporation
Site 5 – Mississippi Phosphates Company
Site 6 - Chevron Petroleum Refinery

Based on file review information and discussions with Chevron, Mississippi Phosphates and Mississippi Chemical environmental staff, the following potential contaminants were identified:

Company Name	**Potential Contaminant**
First Chemical	Aniline, Benzene, Toluene, Nitrobenzene
Mississippi Phosphates	Low pH
Chevron Refinery	Petroleum (crude oil and bunker fuel oil)

The January 2010 Thompson Engineering Hazardous Materials Study concluded:

A. Due to the significant historical and current industrial activities encountered along the SR 611 corridor, all parties involved with the construction of this Project shall be made aware of the potential for encountering contamination.
B. In areas where soil excavation is required, environmental sampling shall be performed to determine contaminant levels in the soil. Additionally, excavated soils shall be profiled to determine the correct method of disposal.

2. Training Requirements.

All personnel who perform on-site operations with the potential for exposure to hazardous substances shall meet personnel training requirements as follows:

- HAZWOPER 40 hour training which meets the requirements of 29 CFR 1910.120(e)(3).
- Annual HAZWOPER 8 hour refresher training
- First Aid and CPR certification from American Red Cross or equivalent.

3. Personal Protective Equipment.

HAZWOPER Level D

4. Site Control-Work Zones.

Appropriate site control procedures shall be developed before site work begins. The procedures shall include:

- A site map including site work zones
- The use of a "buddy" system
- Site communications including means of alerting personnel for emergencies
- Safe work practices/standard operating procedures
- Identification of the nearest medical assistance

5. Exclusion Zone.

An exclusion Zone shall be established that shall include the contaminated area work area. It will be the responsibility of the Prime Contractor and its lower-tiered subcontractors to prevent unauthorized personnel from entering the exclusion zone. When necessary, the exclusion zone will be delineated with barricade tape, cones, and/or barricades. Work areas shall be restricted to include only 40-hour OSHA HAZWOPER trained personnel.

6. Decontamination.

Decontamination involves the controlled removal of contaminants.

Construction Equipment.

1. All on-site equipment shall be decontaminated and allowed to air-dry before leaving the site.
2. Decontamination shall be accomplished using an approved cleaner, water or steam.

Personnel.

1. All site personnel shall minimize contact with contaminants.
2. Before exiting the work site personnel shall decontaminate PPE when possible or remove and properly dispose of PPE.
3. All personnel shall wash their hands before exiting the work site.

PPE.

1. Non-disposable PPE, such as boots, shall be decontaminated.
2. All disposable PPE shall be disposed of in 55 gallon drums.

7. Muster Points.

Emergency evacuation/muster points shall be established and communicated to all personnel. Personnel must be trained on evacuation routes and procedures.

8. Chevron, Mississippi Phosphates, First Chemical Interaction.

The Prime Contractor shall communicate with the area plants and refinery concerning their emergency evacuation policies and procedures in the event of an in-plant emergency that may affect the road Project. These policies shall be communicated to all personnel on the road Project and the personnel shall be trained accordingly.

9. Air Monitoring.

Air monitoring using an approved method shall be performed continually to assess and avoid exposure to unsafe levels of contaminants.

10. Disposal of Contaminated Materials.

All hazardous substances and contaminated soils, liquids and other residues shall be handled, transported, labeled and disposed of in accordance with the material handling procedures of OSHA, Mississippi DEM and the EPA.

11. General Work Practices.

- All personnel who perform on-site operations with the potential for exposure to hazardous substances are required to meet training requirements and medical surveillance criteria.
- Smoking, eating, drinking and chewing gum or tobacco shall not be permitted within the work zone.
- The Prime Contractor shall keep track of weather conditions and wind direction to the extent they could affect potential exposure.
- Personnel shall be alert to any abnormal behavior on the part of other workers that might indicate distress, disorientation or other ill effects.
- Personnel shall never ignore symptoms that could indicate potential exposure to chemical contaminants. These shall be immediately reported to the supervisor or the site safety and health officer.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 -NOTICE TO BIDDERS NO. 1385M **CODE: (SP)**

DATE: 11/19/2013

SUBJECT: Sequence of Operations Soils

PROJECT: SP-9392-00(003) / 100710/302000 – Jackson County

Bidders are hereby advised of the potential exposure to hazardous soils and/or groundwater during construction activities. Based on the industrial nature of the area and past releases from the surrounding industrial facilities, the potential for exposure to hazardous chemicals does exist.

Should contaminated soil be encountered during construction, the following sequence of operations for the removal of potentially contaminated shallow soils should be followed. The primary areas of concern are located from stations 3+140 to 3+440.

The Contractor shall follow the following sequence of operations for the excavation and transport of potentially contaminated soils along existing State Highway 611, Jackson County, Mississippi.

The following sequence was developed for the excavation, loading, and transport of contaminated soil along 611 Highway in Jackson County, Mississippi. Based on interagency discussions between the Mississippi Department of Transportation (MDOT) and the Mississippi Department of Environmental Quality (MDEQ), the relocation of contaminated soil will be treated in a manner consistent with the abatement or removal of contaminated soils, as defined by the Occupational Safety and Health Act (OSHA) and administered by the MDEQ. The agreed exceptions to the referenced procedures are:

1. The excavation, loading, and transportation of the contaminated soil will be performed by a General Contractor; and

2. The potentially contaminated soil will be profiled for proper disposal, transported and disposed at a properly permitted waste disposal facility.

Only material that must be disturbed as part of road construction and is deemed as potentially contaminated, within the MDOT right of way (ROW) boundaries, as defined by the MDOT, will be excavated and removed as contaminated soil.

MDOT will provide oversight of the removal of soil from the proposed construction site. The Engineer will be responsible for area air monitoring, personnel air monitoring, and documentation of the complete removal of contaminated soil within the MDOT ROW. The Engineer will have stop-work authority as required to assure the safe and complete excavation, loading, transport, and disposal of the debris and soil. The Engineer will perform the initial personnel monitoring and testing required to make a negative exposure assessment, and will

provide the required area monitoring, personnel monitoring for the duration of the project to assure the health and safety of the project personnel and surrounding area. The Engineer will provide adequate personnel to perform the defined oversight responsibilities based on the number and distribution of working faces within the MDOT designated work area. The Engineer will also maintain the required paperwork to document the proper and complete removal of accessible debris and contaminated soil from the MDOT ROW of the proposed designated work area.

Personnel Health and Safety

The Contractor will be responsible for the health and safety training and program administration of Contractor personnel for all aspects of the field activities except soil hazard recognition training that will be performed by the Engineer. The Engineer will work closely with the Contractor's Site Safety Officer (SSO) and shall, at his discretion, attend the Contractor's daily safety meetings to discuss any asbestos related concerns or issues. The Engineer will notify the SSO of any observed concerns or problems with the removal procedures, and will work with the SSO to immediately remedy such issues. The Contractor will maintain a safety logbook (including records of daily safety meetings) as part of the Contractor's daily project log.

Field Activities

The Contractor will be required to implement Best Management Practices (BMPs) for the excavation, loading, and transport of contaminated soil from the proposed construction site to an approved Subtitle D permitted landfill. Each excavation site (working face) will require access control to limit the potential for exposure to contaminated soil. Caution tape and/or caution fencing will be placed around the excavation area. The access point for traffic to each working face will be posted with a warning sign "**Warning – Hazard – Authorized Personnel Only**". Each excavation site (working face) will be required to have a source of water, spray application equipment, and personnel to keep the excavated material wet.

Each truckload of contaminated soil waste will be transported to an approved Subtitle D permitted landfill for disposal under an authorized hazardous waste manifest and the waste disposal will be documented with a certified gate receipt from the landfill. Each manifest will be signed by the Engineer prior to leaving the site, and all landfill gate receipts will be transferred from the truck driver to the Engineer upon returning to the project site.

All items associated with the sequence of operations listed above will be paid for under pay item 203-G, Excess Excavation (FM) (AH).

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SUPPLEMENT TO SPECIAL PROVISION NO. 907-107-22M

DATE: 10/29/2013

SUBJECT: Contractor's Protection Plan

907-107.22.1--Contractor's Erosion Control Plan. Delete the first sentence of the second paragraph of Subsection 907-107.22.1 on page 1, and substitute the following.

The time between the Notice of Award and Notice to Proceed/Beginning of Contract Time in the proposal, has been allowed for the submittal and concurrence of the Contractor's erosion control plan, MDOT's review of the plan, and any revisions that may be necessary.

Reconstruction of SR 611 from US 90 to the end of the route, known as State Project No. SP-9392-00(008) / 100710302 in Jackson County.

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
					Roadway Items
0010	201-A001		1	Lump Sum	Clearing and Grubbing
0020	202-A001		1	Lump Sum	Removal of Obstructions
0030	202-B043		10	Each	Removal of Flared End Section (All Sizes)
0040	202-B056		61	Meter	Removal of Guard Rail Only
0050	202-B066		161	Meter	Removal of Pipe (200-mm and above)
0060	202-B076		6,275	Meter	Removal of Traffic Stripe
0070	202-B079		2,796	Square Meter	Removal of Pavement (All Types and Depths)
0080	202-B081		12	Each	Removal of Headwall
0090	202-B083		50	Each	Removal of Sign
0100	202-B138		1	Each	Removal of Traffic Signal
0110	203-D001	(E)	6,547	Cubic Meter	Muck Excavation (FM)
0120	203-G003	(E)	750	Cubic Meter	Excess Excavation (FM) (AH)
0130	206-A001	(S)	2,772	Cubic Meter	Structure Excavation
0140	206-B001	(E)	287	Cubic Meter	Select Material for Undercuts (Contractor Furnished) (FM)
0150	211-A001		41,475	Square Meter	Topsoil for Slope Treatment (From Right-of-Way)
0160	213-C001		8	Metric Ton	Superphosphate
0170	219-A001		3	thousand liter	Watering [$6.00]
0180	220-A001		4	Hectare	Insect Pest Control [$75.00]
0190	235-A001		210	Bale	Temporary Erosion Checks
0195 Added 11/12/2013	406-A001		6,221	Square Meter	Cold Milling of Bituminous Pavement (All Depths)
0200	406-B001		180	Square Meter	Cold Milling of Concrete Pavement (All Depths)
0210	501-E001		48	Meter	Expansion Joints (Without Dowels)
0220	502-A002	(C)	287	Square Meter	Reinforced Cement Concrete Bridge End Pavement (225 mm)
0230	602-A001	(S)	18,746	Kilogram	Reinforcing Steel
0240	603-C-A091	(S)	181	Meter	600-mm Reinforced Concrete Pipe, Class III (Rubber Type Gaskets)
0250	603-C-A093	(S)	17	Meter	900-mm Reinforced Concrete Pipe, Class III (Rubber Type Gaskets)
0260	603-C-A109	(S)	34	Meter	600-mm Reinforced Concrete Pipe, Class V, Jacked or Bored
0270	603-C-B001	(S)	2	Each	450-mm Reinforced Concrete End Section
0280	603-C-B002	(S)	13	Each	600-mm Reinforced Concrete End Section
0290	603-C-B004	(S)	2	Each	900-mm Reinforced Concrete End Section
0300	603-C-E041	(S)	14	Meter	1300-mm x 795-mm Concrete Arch Pipe, Class A III (Flexible Plastic Gaskets)

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0310	603-C-E044	(S)	26	Meter	1485-mm x 915-mm Concrete Arch Pipe, Class A III (Flexible Plastic Gaskets)
0320	603-C-F005	(S)	2	Each	1300-mm x 795-mm Concrete Arch Pipe End Section
0330	603-P-A009	(S)	365	Meter	3000-mm x 1800-mm Precast Concrete Box Culvert
0340	603-S-B030	(S)	1	Each	600-mm Branch Connections (Stub into Concrete Box Culvert Wingwall)
0350	604-A001		222	Kilogram	Castings
0360	604-B001		180	Kilogram	Gratings
0370	606-B001		625	Meter	Guard Rail (Class A, Type 1)
0380	606-D012		2	Each	Guard Rail, Bridge End Section, Type I
0390	609-D001	(S)	16	Meter	Combination Concrete Curb and Gutter Type 1
0400	609-D007	(S)	275	Meter	Combination Concrete Curb and Gutter Type 2 Modified
0410	614-A001	(S)	142	Square Meter	Concrete Driveway (Without Reinforcement)
0420	615-A016	(S)	12	Meter	Concrete Bridge End Barrier, 850-mm
0430	616-A001	(S)	233	Square Meter	Concrete Median and/or Island Pavement (100-mm)
0440	616-A003	(S)	43	Square Meter	Concrete Median and/or Island Pavement (250-mm)
0450	618-A001		1	Lump Sum	Maintenance of Traffic
0460	619-D1001		7	Square Meter	Standard Roadside Construction Signs (less than 0.9 square meter)
0470	619-D2001		76	Square Meter	Standard Roadside Construction Signs (0.9 square meter or more)
0480	619-F1001		40	Meter	Concrete Median Barrier (Precast)
0490	619-G4001		101	Meter	Barricades (Type III) (Single Faced)
0500	619-G4005		8	Meter	Barricades (Type III) (Double Faced)
0510	619-G5001		200	Each	Free Standing Plastic Drums
0520	619-G7001		12	Each	Warning Lights (Type "B")
0525	619-H1001		1	Lump Sum	Traffic Signals ,SR 611 at Orchard Rd.
Added 11/19/2013					
0530	620-A001		1	Lump Sum	Mobilization
0540	630-A001		22	Square Meter	Standard Roadside Signs (Sheet Aluminum, 2.03-mm Thickness)
0550	630-A002		26	Square Meter	Standard Roadside Signs (Sheet Aluminum, 3.18-mm Thickness)
0560	630-C003		5	Meter	Steel U-Section Posts (4.46 kg/m)
0570	630-E004		343	Kilogram	Structural Steel Angles & Bars (12 mm x 63 mm Flat Bars)
0580	630-F001		102	Each	Delineators (Guard Rail)(White)
0590	630-F006		15	Each	Delineators (Post Mounted)(Single White)
0600	630-F008		48	Each	Delineators (Post Mounted)(Double White)
0610	630-G001		4	Each	Type 3 Object Markers (OM-3R or OM-3L) Post Mounted
0620	630-K002		108	Meter	Welded & Seamless Steel Pipe Posts (DN 90)
0630	630-K003		105	Meter	Welded & Seamless Steel Pipe Posts (DN 100)

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0640	802-C001	(S)	1,436	Square Meter	Permanent Steel Sheet Piling
0650	814-A001	(S)	1	Lump Sum	Painting of Metal Structures
0660	815-A007	(S)	516	Metric Ton	Loose Riprap, (Size 136 kg)
0670	907-203-A002	(E)	13,607	Cubic Meter	Unclassified Excavation (FM) (AH)
0680	907-203-EX002	(E)	25,831	Cubic Meter	Borrow Excavation (AH)(FME) (Class B4)
0690	907-209-A004		112,706	Square Meter	Geotextile Fabric Stabilization (Type V Non-Woven)
0700	907-216-A001		40	Square Meter	Solid Sodding
0710	907-217-A001		1,712	Square Meter	Ditch Liner
0720	907-223-A001		1	Hectare	Mowing [$125.00]
0730	907-225-A001		8	Hectare	Grassing
0740	907-225-B001		56	Metric Ton	Agricultural Limestone
0750	907-225-C001		37	Metric Ton	Mulch, Vegetative Mulch
0760	907-226-A002		8	Hectare	Temporary Grassing
0770	907-234-A002		11,207	Meter	Temporary Silt Fence
0780	907-234-F001		605	Meter	Turbidity Barrier
0790	907-237-A002		190	Meter	Wattles, 500-mm
0800	907-246-A001		160	Meter	Sandbags
0810	907-247-A001		2	Each	Temporary Stream Diversion
0820	907-249-A001		209	Metric Ton	Riprap for Erosion Control
0830	907-304-A004	(GM)	23,822	Cubic Meter	Granular Material (LVM) (Class 9, Group C)
0840	907-307-A001	(M)	38,940	Square Meter	150-mm Soil-Lime-Water Mixing (Class A)
Changed 11/12/2013					
0850	907-307-D001		562	Metric Ton	Lime
Changed 11/12/2013					
0860	907-307-S001	(A3)	38,940	Liter	Bituminous Curing Seal
Changed 11/12/2013					
0870	907-407-A001	(A2)	60,845	Liter	Asphalt for Tack Coat
0880	907-413-H001		48	Meter	Sawing and Sealing Transverse Joints in Asphalt Pavment
0890	907-423-A001		11	Kilometer	Rumble Strips (Ground In)
0900	907-601-A001	(S)	95	Cubic Meter	Class "B" Structural Concrete
0910	907-601-B001	(S)	22	Cubic Meter	Class "B" Structural Concrete, Minor Structures
0920	907-603-ALT01	(S)	36	Meter	450-mm Type A Alternate Pipe
0930	907-606-E003		2	Each	Guard Rail, Terminal End Section, Flared
0940	907-606-E004		18	Each	Guard Rail, Terminal End Section, Non-Flared
0950	907-617-A003		44	Each	Right-of-Way Marker

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0960	907-619-A1002		201	Meter	Temporary Traffic Stripe (Continuous White) (Type 1 Tape)
0970	907-619-A1010		32	Kilometer	Temporary Traffic Stripe (Continuous White)
0980	907-619-A2002		201	Meter	Temporary Traffic Stripe (Continuous Yellow) (Type 1 Tape)
0990	907-619-A2010		32	Kilometer	Temporary Traffic Stripe (Continuous Yellow)
1000	907-619-A3005		11	Kilometer	Temporary Traffic Stripe (Skip White)
1010	907-619-A3009		67	Meter	Temporary Traffic Stripe, Skip White, Type 1 Tape
1020	907-619-A4005		10	Kilometer	Temporary Traffic Stripe (Skip Yellow)
1030	907-619-A4009		67	Meter	Temporary Traffic Stripe, Skip Yellow, Type 1 Tape
1040	907-619-A5005		793	Meter	Temporary Traffic Stripe (Detail)
1050	907-619-A6006		42	Square Meter	Temporary Traffic Stripe (Legend) (Type 1 Tape)
1060	907-619-A6010		537	Square Meter	Temporary Traffic Stripe (Legend)
1070	907-619-F1006		5,500	Meter	Portable Median Barrier (Less Than or Equal to 72 kph)
Changed 11/19/2013					
1075	907-619-F2001		5,500	Meter	Remove and Reset Portable Median Barrier
Added 11/19/2013					
1080	907-626-AA003		15	Kilometer	150-mm Thermoplastic Traffic Stripe (Skip White) (2.25-mm min)
1090	907-626-AA006		101	Meter	150-mm Thermoplastic Double Drop Traffic Stripe (Skip White)(2.25-mm min.)
1100	907-626-CC004		16	Kilometer	150-mm Thermoplastic Double Drop Edge Stripe (Continuous White) (2.25-mm min)
1110	907-626-DD003		14	Kilometer	150-mm Thermoplastic Traffic Stripe (Skip Yellow) (2.25-mm min)
1120	907-626-DD004		101	Meter	150-mm Thermoplastic Double Drop Traffic Stripe, Skip Yellow
1130	907-626-EE004		16	Kilometer	150-mm Thermoplastic Traffic Stripe (Continuous Yellow) (2.25-mm min)
1140	907-626-EE005		101	Meter	150-mm Thermoplastic Double Drop Traffic Stripe, Continuous Yellow, 2.25-mm min
1150	907-626-GG001		3,119	Meter	Thermoplastic Detail Stripe (150-mm Equivalent Length)(White)(2.25-mm min.)
1160	907-626-GG002		5,220	Meter	Thermoplastic Detail Stripe (150-mm Equivalent Length)(Yellow)(2.25-mm min.)
1170	907-626-H001		152	Square Meter	Thermoplastic Legend (White)(3.00-mm min.)
1180	907-626-H002		4,540	Meter	Thermoplastic Legend (White)(3.00-mm min.)
1190	907-627-J001		200	Each	Two-Way Clear Reflective High Performance Raised Markers
1200	907-627-K001		870	Each	Red-Clear Reflective High Performance Raised Markers
1210	907-627-L001		2,561	Each	Two-Way Yellow Reflective High Performance Raised Markers
1220	907-636-A003		69	Meter	Shielded Cable, AWG #14, 2 Conductor
1230	907-639-A002		1	Each	Traffic Signal Equipment Pole (Type IV) (9.1-m Shaft) (12.2-m Arm)
1240	907-639-A014		1	Each	Traffic Signal Equipment Pole (Type II) (5.2-m Shaft) (9.1-m Arm)
1250	907-639-A015		2	Each	Traffic Signal Equipment Pole (Type II) (5.2-m Shaft) (12.2-m Arm)
1260	907-639-C005		10	Cubic Meter	Pole Foundations, 900-mm Diameter
1270	907-639-D005		20	Meter	Slip Casing, 900-mm Diameter

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
1280	907-640-B001		6	Each	Traffic Signal Heads (Type 1) LED
1290	907-640-B006		1	Each	Traffic Signal Heads (Type 7) LED
1300	907-640-B009		2	Each	Traffic Signal Heads (Type 4) LED
1310	907-642-A001		1	Each	Solid State Traffic Actuated Controllers (Type 8M)
1320	907-647-A002		5	Each	Pullboxes (Type 2)
1330	907-648-A001		1	Each	Radio Interconnect (Installed in New Controller Cabinet)
1340	907-649-D001		3	Each	Multi-Sensor Detection System, 1 Sensor
1350	907-653-A001		2	Each	Traffic Sign, Internally Illuminated Sign
1360	907-653-B001		2	Square Meter	Street Name Sign (Encapsulated Lens)
1370	907-668-E001		2	Meter	Traffic Signal Conduit (Underground Drilled or Jacked), Rolled Pipe, (25 mm)
1380	907-668-E002		65	Meter	Traffic Signal Conduit (Underground Drilled or Jacked), Rolled Pipe, (50 mm)
1390	907-668-E003		29	Meter	Traffic Signal Conduit (Underground Drilled or Jacked), Rolled Pipe, (75 mm)
1400	907-675-A001		2	Each	Railroad Signal Preemption
1410	907-690-A001		13,200	Kilogram	Portland Cement Grout for Plugging Abandoned Wells
1420	907-699-A001		1	Lump Sum	Roadway Construction Stakes
1430	907-804-B001	(S)	239	Cubic Meter	Box Bridge Concrete (Class B)
1440	907-815-E001	(S)	995	Square Meter	Geotextile Fabric under Riprap
1450	907-899-A001		1	Lump Sum	Railway Highway Provisions
1460	908-666-B021		124	Meter	Electric Cable (Underground in Conduit)(IMSA 20-1)(AWG 10), 2 Conductor
1470	908-666-B036		162	Meter	Electric Cable (Underground in Conduit)(IMSA 20-1)(AWG 14), 8 Conductor
1480	908-668-A013		22	Meter	Traffic Signal Conduit (Underground) (Type IV) (DN 25)
				ALTERNATE GROUP AA NUMBER 1	
1490	907-304-D001	(GT)	32,207	Metric Ton	20-mm and Down Crushed Stone
				ALTERNATE GROUP AA NUMBER 2	
1500	907-304-I004	(GT)	32,207	Metric Ton	Crushed Stone Base (Size 610)
				ALTERNATE GROUP AA NUMBER 3	
1510	907-304-I005	(GT)	32,207	Metric Ton	Crushed Stone Base (Size 825 B)
				ALTERNATE GROUP BB NUMBER 1	
1520	907-308-A001		352	Metric Ton	Portland Cement
1530	907-308-B003	(M)	38,940	Square Meter	Soil-Cement-Water Mixing, (Optional Mixers)
1540	907-308-S001	(A3)	38,940	Liter	Bituminous Curing Seal
				ALTERNATE GROUP BB NUMBER 2	
1550	907-311-A002	(M)	38,940	Square Meter	Processing Lime and Fly Ash Treated Course, 150 mm Thick
1560	907-311-B001		281	Metric Ton	Lime
1570	907-311-C001		1,123	Metric Ton	Fly Ash (Class C)

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
1580	907-311-S001	(A3)	38,940	Liter	Bituminous Curing Seal
					ALTERNATE GROUP CC NUMBER 1
1590	907-403-D001	(BA1)	10,193	Metric Ton	Hot Mix Asphalt, HT, 9.5-mm mixture, Polymer Modified
					ALTERNATE GROUP CC NUMBER 2
1600	907-403-P001	(BA1)	10,193	Metric Ton	Warm Mix Asphalt, HT, 9.5-mm mixture, Polymer Modified
					ALTERNATE GROUP DD NUMBER 1
1610	907-403-D002	(BA1)	7,188	Metric Ton	Hot Mix Asphalt, HT, 12.5-mm mixture, Polymer Modified
					ALTERNATE GROUP DD NUMBER 2
1620	907-403-P002	(BA1)	7,188	Metric Ton	Warm Mix Asphalt, HT, 12.5-mm mixture, Polymer Modified
					ALTERNATE GROUP EE NUMBER 1
1630	907-403-D003	(BA1)	9,371	Metric Ton	Hot Mix Asphalt, HT, 19-mm mixture, Polymer Modified
					ALTERNATE GROUP EE NUMBER 2
1640	907-403-P003	(BA1)	9,371	Metric Ton	Warm Mix Asphalt, HT, 19-mm mixture, Polymer Modified
					ALTERNATE GROUP FF NUMBER 1
1650	907-403-A011	(BA1)	7,582	Metric Ton	Hot Mix Asphalt, HT, 19-mm mixture
					ALTERNATE GROUP FF NUMBER 2
1660	907-403-M011	(BA1)	7,582	Metric Ton	Warm Mix Asphalt, HT, 19-mm mixture
					ALTERNATE GROUP GG NUMBER 1
1670	907-403-A003	(BA1)	7,972	Metric Ton	Hot Mix Asphalt, ST, 19-mm mixture
					ALTERNATE GROUP GG NUMBER 2
1680	907-403-M005	(BA1)	7,972	Metric Ton	Warm Mix Asphalt, ST, 19-mm mixture
					Bridge Items
1690	805-A001	(S)	37,223	Kilogram	Reinforcement
1700	813-A005	(S)	66	Meter	Concrete Railing (815-mm)
1710	907-501-K001		772	Square Meter	Transverse Grooving
1720	907-803-M014	(S)	296	Meter	Drilled Shaft (1680-mm Diameter)
1730	907-803-O012	(S)	32	Meter	Trial Shafts (1680-mm Diameter)
1740	907-803-P001	(S)	4	Meter	Exploration
1750	907-803-R021	(S)	122	Meter	Temporary Casing (1680-mm Diameter)
1760	907-804-A001	(S)	309	Cubic Meter	Bridge Concrete (Class AA)
1770	907-810-A001	(S)	222,166	Kilogram	Structural Steel

STATE	PROJECT NO.
MISS.	SP-9392-00(008)

ADDENDUM

DESCRIPTION OF SHEETS	WORKING NO.	SHEET NO.	
TITLE SHEET (1)		1	
DETAILED INDEX SHEETS (3)			
DETAILED INDEX SHEET (ROADWAY)	DI1	2	
DETAILED INDEX SHEET (ROADWAY)	DI2	3	
GENERAL NOTES (ROADWAY)	GN1	4	
TYPICAL SECTIONS (4)			
SR 611 TYPICAL SECTIONS CONSTRUCTION	TS-1	5	
SR 611 TYPICAL SECTIONS	TS-2	6	
SR 611 TYPICAL SECTIONS	TS-3	7	
LEE HENNING RD. AND ORCHARD RD. TYPICAL SECTIONS	TS-4	8	
QUANTITY SHEETS (12)			
SUMMARY OF QUANTITIES (ROADWAY)	SQS-1	9	
SUMMARY OF QUANTITIES (ROADWAY)	SQS-2	10	
SUMMARY OF QUANTITIES (ROADWAY)	SQS-3	11	
SUMMARY OF QUANTITIES (ROADWAY)	SQS-4	12	
ESTIMATED QUANTITIES - (ROADWAY)	EQ1	13	
ESTIMATED QUANTITIES - (ROADWAY)	EQ2	14	
ESTIMATED QUANTITIES - TRAFFIC CONTROL SIGNS	EQ3	15	
ESTIMATED QUANTITIES - DRAINAGE STRUCTURES	EQ4	16	
ESTIMATED QUANTITIES - STANDARD ROADSIDE SIGNS	EQ5	17	
ESTIMATED QUANTITIES - STANDARD ROADSIDE SIGNS	EQ6	18	
ESTIMATED QUANTITIES - TRAFFIC SIGNAL ITEMS	EQ7	19	
RIGHT OF WAY MARKERS	EQ8	20	
PLAN AND PROFILE SHEETS 1:100 (10)			
SR 611 STA. 1+000 TO STA. 1+500	3	21	
SR 611 STA. 1+500 TO STA. 2+300	4	22	
SR 611 STA. 2+300 TO STA. 3+100	5	23	
LEE HENNING RD. STA. 0+767.889 TO STA. 0+991	5A	24	
SR 611 STA. 3+100 TO STA. 3+900	6	25	
SR 611 STA. 3+900 TO STA. 4+700	7	26	
SR 611 STA. 4+700 TO STA. 5+500	8	27	
ORCHARD ROAD STA. 1+425 TO STA. 1+490.700	8A	28	
SR 611 STA. 5+500 TO STA. 6+300	9	29	
SR 611 STA. 6+300 TO STA. 6+440	10	30	
SPECIAL DESIGN - ROADWAY ITEMS (82)			
INTERSECTION DETAILS - SR 611 & ORCHARD ROAD	ID1	31	
FORM GRADE SR 611 & ORCHARD ROAD	FG1	32	
CULVERT DETAILS HIGHWAY 611 STA. 1+256, STA. 1+626 & STA. 1+712	CD1	33	
CULVERT DETAILS HIGHWAY 611 STA. 1+797, STA. 2+125 & STA. 2+474	CD2	34	
CULVERT DETAILS HIGHWAY 611 STA. 2+628, STA. 3+682 & STA. 5+040	CD3	35	
CULVERT DETAILS HIGHWAY 611 STA. 5+691, STA. 5+973, & STA. 6+399	CD4	36	
CULVERT SECTIONS (DETAILS) STA. 5+040.000	CD5	37	
CULVERT SECTIONS (DETAILS) STA. 5+040.000	CD6	38	
CULVERT SECTIONS (DETAILS) STA. 5+040.000	CD7	39	
CULVERT SECTIONS (DETAILS) STA. 5+040.000	CD8	40	
CULVERT SECTIONS (DETAILS) STA. 5+040.000	CD9	41	
CULVERT SECTIONS (DETAILS) STA. 6+068.520	CD10	42	
CULVERT SECTIONS (DETAILS) STA. 6+068.520	CD11	43	
CULVERT SECTIONS (DETAILS) STA. 6+068.520	CD12	44	
CULVERT SECTIONS (DETAILS) STA. 6+068.520	CD13	45	
PAVEMENT MARKING DETAIL - SR 611 STA. 1+100 TO STA. 1+500	PMD-01	46	
PAVEMENT MARKING DETAIL - SR 611 STA. 1+800 TO STA. 2+100	PMD-02	47	
PAVEMENT MARKING DETAIL - SR 611 STA. 2+100 TO STA. 2+400	PMD-03	48	
PAVEMENT MARKING DETAIL - SR 611 STA. 2+400 TO STA. 2+700	PMD-04	49	
PAVEMENT MARKING DETAIL - SR 611 STA. 4+125 TO STA. 5+225	PMD-05	50	
PAVEMENT MARKING DETAIL - SR 611 STA. 6+200 TO STA. 6+620	PMD-06	51	
VEGETATION SCHEDULE	VS-1	52	
TRAFFIC CONTROL PLAN - SEQUENCE OF CONSTRUCTION SR 611 WIDENING	TC-1	53	
TRAFFIC CONTROL PLAN - SEQUENCE OF CONSTRUCTION SR 611 WIDENING	TC-2	54	
TRAFFIC CONTROL PLAN - CONSTRUCTION SIGNING	TC-3	55	
TRAFFIC CONTROL PLAN - LEE HENNING RD.	TC-4	56	
TRAFFIC CONTROL PLAN - ORCHARD RD.	TC-5	57	
TRAFFIC CONTROL PLAN - 611 CULVERT STA. 5+040	TC-6	58	
PAVEMENT REMOVAL PLAN - SR 611 & ORCHARD RD., SR 611 & LEE HENNING	PR-1	59	
BRIDGE END PAVEMENT WITH RAIL & OVERLAY	BE-1C	60 *	1
33.5" BRIDGE END PAVEMENT RAIL	BE-PR-1B	61 *	
GUARDRAIL BRIDGE END SECTION TYPE "I" (STEEL POSTS)	GR-2G	62 *	
GUARDRAIL BRIDGE END SECTION TYPE "I" (WOOD POSTS)	GR-2F	63 *	
GUARDRAIL RUB RAIL HARDWARE SHEET	GR-RR	64 *	

DESCRIPTION OF SHEETS	WORKING NO.	SHEET NO.	
SPECIAL DESIGN - ROADWAY ITEMS (CONT.)(88)			
RIGHT OF WAY MARKERS	RW-1	65	
DRUM PLACEMENT AND SHOULDER CLOSURE	TCP-SC	66 *	
HIGHWAY SIGN AND BARRICADE DETAILS FOR CONSTRUCTION PROJECTS	SDTCP-10	67	
LOCATION OF R16-3 SIGNS	R16-3	68 *	
FLEXIBLE PIPE STANDARD	HDPE-1	69 *	
2-LANE 2-WAY CLEAR RAISED PAVEMENT MARKERS PLACED ON SIDE ROADS	CRPMSR-2	70 *	
TYPICAL INSTALLATION AND DETAILS OF DELINEATORS AND DISTANCE REFERENCE SIGNS	SDSN-8	71 *	
EROSION CONTROL PLAN - SR 611 STA. 1+000 TO STA. 1+500	ECP-3	72	
EROSION CONTROL PLAN - SR 611 STA. 1+500 TO STA. 2+300	ECP-4	73	
EROSION CONTROL PLAN - SR 611 STA. 2+300 TO STA. 3+100	ECP-5	74	
EROSION CONTROL PLAN - LEE HENNING ROAD	ECP-5A	75	
EROSION CONTROL PLAN - SR 611 STA. 3+100 TO STA. 3+900	ECP-6	76	
EROSION CONTROL PLAN - SR 611 STA. 3+900 TO STA. 4+700	ECP-7	77	
EROSION CONTROL PLAN - SR 611 STA. 4+700 TO STA. 5+500	ECP-8	78	
EROSION CONTROL PLAN - ORCHARD ROAD	ECP-8A	79	
EROSION CONTROL PLAN - SR 611 STA. 5+500 TO STA. 6+300	ECP-9	80	
EROSION CONTROL PLAN - SR 611 STA. 6+300 TO STA. 6+440	ECP-10	81	
TYPICAL TEMPORARY EROSION/SEDIMENT CONTROL APPLICATIONS	ECD-1	82 *	
DETAILS OF SEDIMENT BARRIER APPLICATIONS	ECD-2	83 *	
DETAILS OF SILT FENCE INSTALLATION	ECD-3	84 *	
DITCH CHECK STRUCTURES, TYPICAL APPLICATIONS AND DETAILS	ECD-4	85 *	
TEMPORARY EROSION SEDIMENT AND WATER POLLUTION CONTROL MEASURES, SILT FENCE AND HAY BALE DITCH CHECKS	ECD-5	86 *	
DETAILS OF EROSION CONTROL WATTLE DITCH CHECK	ECD-6	87 *	
DETAILS OF EROSION CONTROL SILT DIKE DITCH CHECK	ECD-7	88 *	
ROCK DITCH CHECK	ECD-8	89 *	
ROCK DITCH CHECK WITH SUMP EXCAVATION	ECD-9	90 *	
INLET PROTECTION TYPICAL APPLICATIONS AND DETAILS	ECD-10	91 *	
INLET PROTECTION DETAILS FOR COARSE AGGREGATE ON GRADES & SAGS	ECD-11	92 *	
INLET PROTECTION DETAILS OF WATTLES	ECD-12	93 *	
INLET PROTECTION DETAILS OF MANUFACTURED INLET PROTECTION DEVICE	ECD-13	94 *	
INLET PROTECTION DETAILS OF SAND BAG	ECD-14	95 *	
STABILIZED CONSTRUCTION ENTRANCE	ECD-15	96 *	
TEMPORARY CULVERT STREAM CROSSING	ECD-16	97 *	
TEMPORARY STREAM DIVERSION	ECD-17	98 *	
TEMPORARY STREAM DIVERSION (BOX EXTENSIONS)	ECD-18	99 *	
FLOATING TURBIDITY CURTAIN	ECD-19	100 *	
DETAILS OF EROSION CONTROL SANDBAG DITCH CHECK	ECD-20	101 *	
DETAILS OF TYPICAL DITCH TREATMENTS	DT-1	102 *	1
DITCH TREATMENT INSTALLATION DETAIL FOR SOIL REINFORCING MAT	DT-1A	103 *	1
EROSION CONTROL	EC-1	104 *	1
TYPICAL TEMPORARY EROSION CONTROL MEASURES (SLOPE DRAIN AND TYPE A SILT BASIN)	TEC-2	105 *	1
TYPICAL TEMPORARY EROSION CONTROL MEASURES (TYPE B SILT BASIN)	TEC-3	106 *	1
TYPICAL TEMPORARY EROSION CONTROL MEASURES (TYPE "C1" SILT BASIN) (UPSTREAM OF ROADWAY PRIMARILY CAN BE USED DOWNSTREAM)	TEC-C1	107 *	1
TYPICAL TEMPORARY EROSION CONTROL MEASURES (TYPE "C2" SILT BASIN DOWNSTREAM OF ROADWAY WITH BAFFLE)	TEC-C2	108 *	1
TYPICAL TEMPORARY EROSION CONTROL MEASURES (TYPE "D" SILT BASIN) (RIPRAP DIKE SILT BASIN)	TEC-D	109 *	1
SUPERELEVATION CASE 1 ROTATION ABOUT CENTERLINE (2% NORMAL SUBGRADE)	SDSE-2A	110 *	
SUPERELEVATION RUNOFF CASE 1 ROTATION ABOUT CENTER LINE	SDRO-1	111 *	
DRIVEWAYS CURB & GUTTER & SIDEWALK	SDSD-1	112 *	

* ENGLISH DRAWINGS

GARVER, LLC

FINAL PLANS-DATE 04-10-2013		
FMS CON. # 100710/302000		
REVISIONS		
DATE	SHEET NO.	BY
08/19/13	4, 9, 11, 12	TWB
09/25/13	2, 60, 102, 103, 110	SLH
10/24/13	9, 10, 9001-9075	TWB
11/2013	3, 11, 53, 54, 57, 2007, 2008	CBF

ROADWAY DESIGN
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
METRIC PLAN SHEET

BY	REVISION	DATE
SLH	ADD ASTERISK	09/2013

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILED INDEX SHEET

(ROADWAY)

PROJECT NO. SP-9392-00(008)

JACKSON COUNTY

WORKING NUMBER DI1

SHEET NUMBER 2

FILENAME: 611INDX.DGN

DESIGN TEAM GARVER CHECKED TWB DATE 04/2013

ADDENDUM

STATE	PROJECT NO.
MISS.	SP-9392-00(008)

DESCRIPTION OF SHEETS	REVISION DATE	WORKING NO.	SHEET NO.
PERMANENT SIGNS (4)			
SIGNING PLAN - SR 611 STA. 1+100 TO 2+300		SP-1	1001
SIGNING PLAN - SR 611 STA. 2+300 TO 3+900		SP-2	1002
SIGNING PLAN - SR 611 STA. 3+900 TO 5+600		SP-3	1003
SIGNING PLAN - SR 611 STA. 5+600 TO 6+500		SP-4	1004
TRAFFIC SIGNALS (8)			
TRAFFIC SIGNAL INSTALLATION SR 611 - ORCHARD RD.		TSI-1	2001
TRAFFIC SIGNAL INSTALLATION SR 611 - OLD MOBILE RD.		TSI-2	2002
DETAIL OF TRAFFIC SIGNAL HEADS, TRAFFIC SIGNAL SIGNS AND GENERAL NOTES		TSD-1	2003
PULL BOX AND CONDUIT TRENCHING DETAILS FOR TRAFFIC SIGNAL INSTALLATION		TSD-3	2004
TYPICAL DETAILS OF CONTROLLER CABINET MOUNTINGS, TYPE 1 POLE ATTACHMENTS AND MISCELLANEOUS DETAILS		TSD-5	2005
MAST ARM AND PEDESTAL POLE DETAILS FOR TRAFFIC SIGNAL INSTALLATION		TSD-6	2006
SPAN WIRE AND STEEL STRAIN POLE DETAILS FOR TRAFFIC SIGNAL INSTALLATION		TSD-4	2007 *
TEMPORARY TRAFFIC SIGNAL DETAIL SR 611 & ORCHARD RD.		TSI-3	2008
STANDARD DRAWINGS (52)			
PAVEMENT MARKING DETAILS FOR 2 & 4-LANE DIVIDED ROADWAYS	12-01-99	PM-1	6120
PAVEMENT MARKING DETAILS FOR 4-LANE AND 5-LANE UNDIVIDED ROADWAYS		PM-2	6121
PAVEMENT MARKING LEGEND DETAILS		PM-5	6124
PAVEMENT MARKING LEGEND DETAILS		PM-6	6125
TYPICAL PLACEMENT OF WARNING SIGNS AND PAVEMENT MARKINGS AT R.R. - HIGHWAY GRADE CROSSINGS		PM-7	6126
4-LANE TO 2-LANE TRANSITION AT INTERCHANGE	12-01-99	PM-8	6127
GUARD RAIL: W BEAM (WOOD POSTS)		GR-1	6180
GUARD RAIL: THRIE BEAM (WOOD POSTS)		GR-1A	6181
GUARD RAIL: "W" BEAM (STEEL POSTS)		GR-1B	6182
GUARD RAIL: MODIFIED THRIE BEAM (STEEL POSTS)		GR-1C	6183
GUARD RAIL: TYPICAL INSTALLATION AT BRIDGE APPROACHES FOR 2-LANE, 2-WAY HIGHWAY	12-01-99	GR-4A	6195
MEDIAN BARRIER: CONCRETE (PRECAST)		MB-2A	6205
PROTECTIVE DEVICE FOR RAILROAD SIGNAL		RS-1	6208
STANDARD DIRECTIONAL (GUIDE) SIGNS		SN-1	6220
ROUTE SHIELDS AND EXIT ONLY PANELS		SN-2	6221
STANDARD ROADSIDE SIGNS		SN-3	6222
STANDARD ROADSIDE SIGNS		SN-3A	6223
STANDARD ROADSIDE SIGNS		SN-3B	6224
STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION		SN-4	6225
STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION		SN-4A	6226
STANDARD ROADSIDE SIGN ASSEMBLY AND INSTALLATION		SN-4B	6227
TYPICAL INSTALLATION OF GROUND MOUNTED DIRECTIONAL SIGNS		SN-5	6228
BREAK-AWAY SIGN SUPPORTS		SN-6	6229
BREAK-AWAY SIGN SUPPORTS		SN-6A	6230
BREAK-AWAY SIGN SUPPORTS		SN-6B	6231
SIGN FACE CONSTRUCTION & ATTACHMENT OF GROUND MOUNTED DIRECTIONAL SIGNS TO STEEL BEAMS (EXTRUDED ALUMINUM PANELS)	12-01-99	SN-7	6232
TYPICAL INSTALLATION OF DELINEATORS		SN-8A	6234
TYPICAL GUARD RAIL DELINEATION		SN-8C	6236
TRAFFIC CONTROL PLAN WITH FLAGGER (ONE-LANE OF TWO-WAY TRAFFIC)		TCP-1	6250
TRAFFIC CONTROL PLAN FOR POSTED SPEED LIMIT LESS THAN 65 MPH (4-LANE: MEDIAN LANE OR OUTSIDE LANE CLOSURE)(WORK DAY ONLY)		TCP-2	6251
4-LANE TO 2-LANE TRANSITION	12-01-99	TCP-6	6255
SHORT DURATION CLOSING OF TWO-LANE TWO-WAY HIGHWAYS		TCP-8	6257
SHORT DURATION CLOSING OF DIVIDED HIGHWAYS		TCP-9	6258
TRAFFIC CONTROL PLAN MOBILE OPERATIONS MULTILANE ROADS AND TWO-LANE ROADS		TCP-11	6260
TRAFFIC CONTROL PLAN: UNEVEN PAVEMENT DETAILS		TCP-14	6263
TEMPORARY STRIPING FOR TRAFFIC CONTROL 2-LANE AND 4-LANE DIVIDED HIGHWAYS	12-01-99	TCP-15	6264
RURAL DRIVEWAYS		RD-1	6271
TYPICAL GRADING TRANSITION BETWEEN CUTS & FILLS		GT-1	6272
MISCELLANEOUS DETAIL SHEET 1. STACKED PIPE JOINT 2. EXCAVATION AT GRADE POINTS		MDS-1	6290
DETAILS OF PAVED FLUMES		PF-1	6291
PIPE CULVERT INSTALLATION		PI-1	6300
PIPE COLLAR-CONCRETE		PC-1	6301
JUNCTION BOX FOR PIPE CULVERTS		JB-1	6302
BRANCH CONNECTIONS		BC-1	6305
DETAILS OF GRATES FOR MEDIAN INLETS		IG-1	6314
GUTTER INLET FOR TYPE2 CURB (OUTLET 90° TO ROADWAY)		GI-1	6315
FLARED END SECTION FOR CONCRETE PIPE		FE-1	6328
FLARED END SECTION FOR CONCRETE ARCH PIPE		FE-1A	6329
DETAILS OF NORMAL UNDERDRAIN AND STORM DRAIN USED AS UNDERDRAIN		UD-1	6331
HEADWALLS FOR CONCRETE ARCH PIPE, 1:2 SLOPE, 0°-15° SKEW		HWA-1200	6349
PRECAST CONCRETE BOX CULVERT		PBC-1	6353
PRECAST CONCRETE BOX CULVERT END SECTIONS		PBC-2	6354

DESCRIPTION OF SHEETS	REVISION DATE	WORKING NO.	SHEET NO.
BRIDGE DESIGN STANDARD DRAWINGS (9)			
BASIC CULVERT DRAWING BARREL JOINT LOCATIONS NORMAL AND SKEWED CULVERTS GROUP I DIAGRAMS		M-IBJL-1	7001
BASIC CULVERT DRAWING BARREL JOINT LOCATIONS NORMAL AND SKEWED CULVERTS GROUP II DIAGRAMS		M-IBJL-1	7002
BASIC CULVERT DRAWING BARREL JOINT LOCATIONS NORMAL AND SKEWED CULVERTS GROUP III DIAGRAMS		M-IBJL-1	7003
COLLAR DETAILS FOR BOX STRUCTURES (SINGLE, DOUBLE, TRIPPLE & QUADRUPLE)		M-ICJ-1	7004
BASIC CULVERT DRAWING SINGLE CELL HEIGHTS 1800 mm SPANS 1800-6000 mm		M-IBS-1800-2W	7007
BASIC CULVERT DRAWING SINGLE CELL HEIGHTS 1800 mm SPANS 1800-6000 mm		M-IBS-1800-2W	7008
WINGS WITH 1:3 SLOPE FOR BASIC CULVERT DRAWING SINGLE CELL HEIGHTS 1800-3600 mm SPANS 1800-7200 mm		M-IWS-3	7015
WINGS WITH 1:3 SLOPE FOR BASIC CULVERT DRAWING SINGLE CELL HEIGHTS 1800-3600 mm SPANS 1800-7200 mm		M-IWS-3	7016
WINGS WITH 1:3 SLOPE FOR BASIC CULVERT DRAWING SINGLE CELL HEIGHTS 1800-3600 mm SPANS 1800-7200 mm		M-IWS-3	7017
CROSS SECTIONS (75)			
SR 611 - MAINLANE			9001-9072
LEE HENNING RD.			9073-9074
ORCHARD RD.			9075
TOTAL SHEETS (260)			

* ENGLISH DRAWINGS

ROADWAY DESIGN
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
METRIC PLAN SHEET

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILED INDEX SHEET (ROADWAY)

PROJECT NO. SP-9392-00(008)

JACKSON COUNTY

BY	REVISION	DATE
CBF	ADDED SHEETS	11/2013

FILENAME: 611INDX.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

WORKING NUMBER: DI2

SHEET NUMBER: 3

STATE	PROJECT NO.
MISS.	SP-9392-00(008)

ADDENDUM

SUMMARY OF QUANTITIES (SHEET 3)

	PAY ITEM NO.	PAY ITEM	UNIT	PRELIMINARY	FINAL	
	609-D001	COMBINATION CONCRETE CURB AND GUTTER TYPE 1	M	16		
	609-D007	COMBINATION CONCRETE CURB AND GUTTER TYPE 2 MODIFIED	M	275		
	614-A001	CONCRETE DRIVEWAY (WITHOUT REINFORCEMENT)	M2	142		1
	615-A016	CONCRETE BRIDGE END BARRIER, 850-MM	M	12		
	616-A001	CONCRETE MEDIAN AND/OR ISLAND PAVEMENT (100-MM)	M2	233		
	616-A003	CONCRETE MEDIAN AND/OR ISLAND PAVEMENT (250-MM)	M2	43		
	907-617-A003	RIGHT-OF-WAY MARKER	EA	44		
	618-A001	MAINTENANCE OF TRAFFIC	LS	100%		
	907-619-A1002	TEMPORARY TRAFFIC STRIPE (CONTINUOUS WHITE) (TYPE 1 TAPE)	M	201		
	907-619-A1010	TEMPORARY TRAFFIC STRIPE (CONTINUOUS WHITE)	KM	32		
	907-619-A2002	TEMPORARY TRAFFIC STRIPE (CONTINUOUS YELLOW) (TYPE 1 TAPE)	M	201		
	907-619-A2010	TEMPORARY TRAFFIC STRIPE (CONTINUOUS YELLOW)	KM	32		
1	907-619-A3009	TEMPORARY TRAFFIC STRIPE, SKIP WHITE, TYPE 1 TAPE	M	67		1
	907-619-A3005	TEMPORARY TRAFFIC STRIPE (SKIP WHITE)	KM	11		
1	907-619-A4009	TEMPORARY TRAFFIC STRIPE, SKIP YELLOW, TYPE 1 TAPE	M	67		1
	907-619-A4005	TEMPORARY TRAFFIC STRIPE (SKIP YELLOW)	KM	10		
	907-619-A5005	TEMPORARY TRAFFIC STRIPE (DETAIL)	M	793		
	907-619-A6006	TEMPORARY TRAFFIC STRIPE (LEGEND) (TYPE 1 TAPE)	M2	42		
	907-619-A6010	TEMPORARY TRAFFIC STRIPE (LEGEND)	M2	537		
	619-D1001	STANDARD ROADSIDE CONSTRUCTION SIGNS (LESS THAN 0.9 SQUARE METER)	M2	7		
	619-D2001	STANDARD ROADSIDE CONSTRUCTION SIGNS (0.9 SQUARE METER OR MORE)	M2	76		
	619-F1001	CONCRETE MEDIAN BARRIER (PRECAST)	M	40		
2	907-619-F1006	PORTABLE MEDIAN BARRIER (LESS THAN OR EQUAL TO 72 KPH)	M	5500		2
2	907-619-F2001	REMOVE AND RESET PORTABLE MEDIAN BARRIER	M	5500		2
	619-G4001	BARRICADES (TYPE III) (SINGLE FACED)	M	101		
	619-G4005	BARRICADES (TYPE III) (DOUBLE FACED)	M	8		
	619-G5001	FREE STANDING PLASTIC DRUMS	EA	200		
1	619-G7001	WARNING LIGHTS (TYPE "B")	EA	12		1
2	619-H1001	TRAFFIC SIGNALS, SR 611 AT ORCHARD RD.	LS	100%		2
	620-A001	MOBILIZATION	LS	100%		
	907-626-AA003	150-MM THERMOPLASTIC TRAFFIC STRIPE (SKIP WHITE) (2.25-MM MIN)	KM	15		
	907-626-AA006	150-MM THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE (SKIP WHITE)(2.25-MM MIN.)	M	101		
	907-626-CC004	150-MM THERMOPLASTIC DOUBLE DROP EDGE STRIPE (CONTINUOUS WHITE) (2.25-MM MIN)	KM	16		
	907-626-DD003	150-MM THERMOPLASTIC TRAFFIC STRIPE (SKIP YELLOW) (2.25-MM MIN)	KM	14		
	907-626-DD004	150-MM THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE, SKIP YELLOW	M	101		
	907-626-EE004	150-MM THERMOPLASTIC TRAFFIC STRIPE (CONTINUOUS YELLOW) (2.25-MM MIN)	KM	16		
	907-626-EE005	150-MM THERMOPLASTIC DOUBLE DROP TRAFFIC STRIPE, CONTINUOUS YELLOW, 2.25-MM MIN	M	101		
	907-626-GG001	THERMOPLASTIC DETAIL STRIPE (150-MM EQUIVALENT LENGTH)(WHITE)(2.25-MM MIN.)	M	3119		
	907-626-GG002	THERMOPLASTIC DETAIL STRIPE (150-MM EQUIVALENT LENGTH)(YELLOW)(2.25-MM MIN.)	M	5220		
	907-626-H001	THERMOPLASTIC LEGEND (WHITE)(3.00-MM MIN.)	M2	152		
	907-626-H002	THERMOPLASTIC LEGEND (WHITE)(3.00-MM MIN.)	M	4540		
	907-627-J001	TWO-WAY CLEAR REFLECTIVE HIGH PERFORMANCE RAISED MARKERS	EA	200		
	907-627-K001	RED-CLEAR REFLECTIVE HIGH PERFORMANCE RAISED MARKERS	EA	870		
	907-627-L001	TWO-WAY YELLOW REFLECTIVE HIGH PERFORMANCE RAISED MARKERS	EA	2561		

① SAWCUT TO BE ABSORBED

DATE	REVISION	BY
11/2013	REVISED & ADDED PAY ITEMS	CBF
08/2013	EDITED PAY ITEMS	TWB

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

(ROADWAY)

PROJECT NO. SP-9392-00(008)

JACKSON COUNTY

METRIC

WORKING NUMBER SQS-3

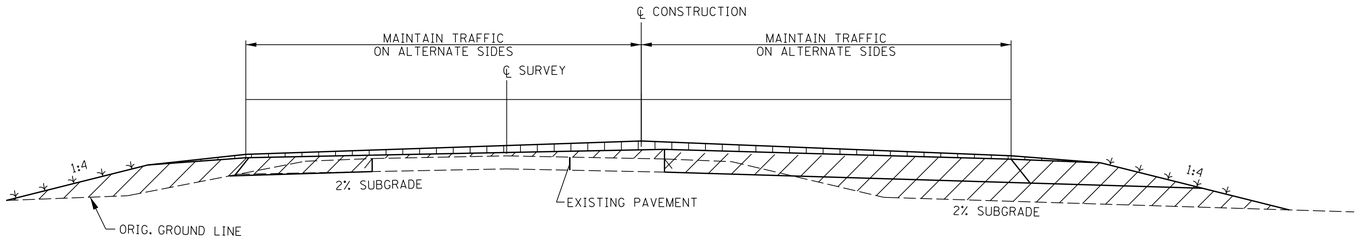
SHEET NUMBER 11

FILENAME: SQS Metric.dgn

DESIGN TEAM GARVER CHECKED TWB DATE 08/2013

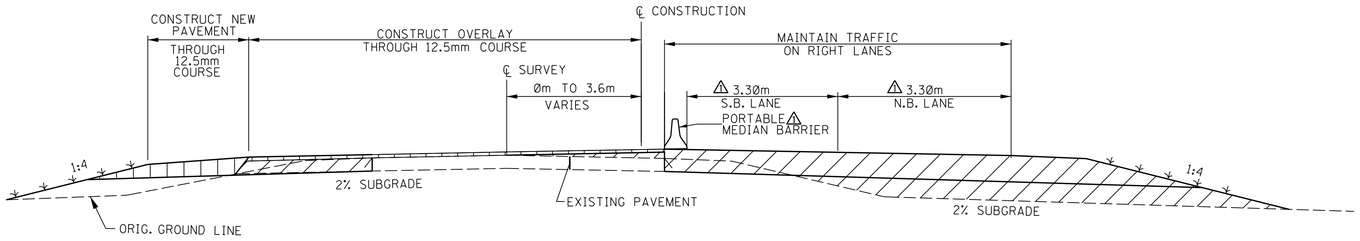
ADDENDUM

STATE	PROJECT NO.
MISS.	SP-9392-00(008)



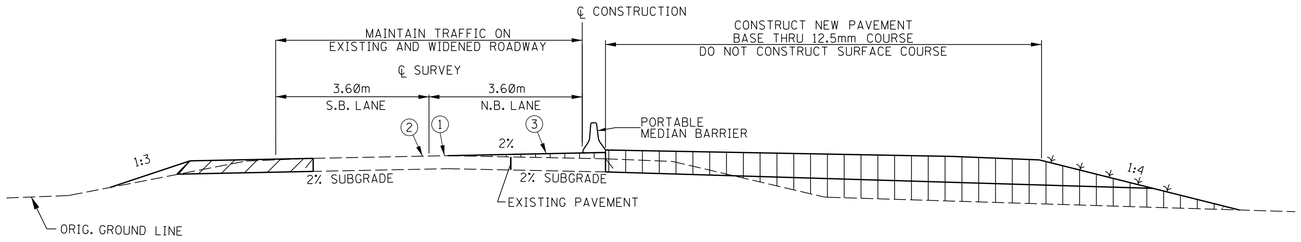
SEQUENCE OF CONSTRUCTION PHASE 4

1+200.000 TO 2+333.779
2+367.269 TO 3+725.129 BACK



SEQUENCE OF CONSTRUCTION PHASE 3

1+200.000 TO 2+333.779
2+367.269 TO 3+725.129 BACK



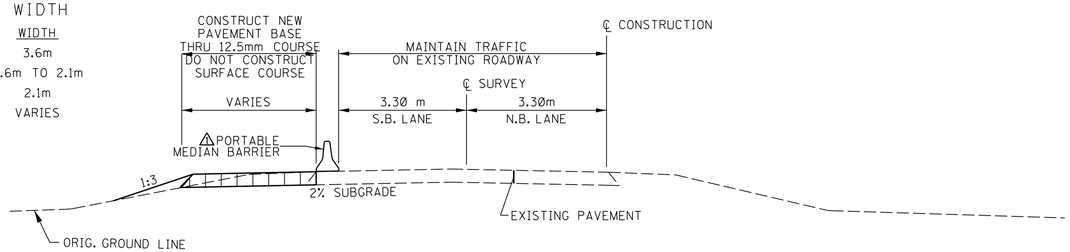
SEQUENCE OF CONSTRUCTION PHASE 2

1+200.000 TO 2+333.779
2+367.269 TO 3+725.129 BACK

1. REMOVE EXISTING TRAFFIC STRIPE
2. INSTALL TEMPORARY DOUBLE YELLOW ℄ STRIPE
3. MILL AND OVERLAY NB LANE, MINIMUM 2" HOT MIX ASPHALT, HT (12.5 mm MIXTURE)

PHASE 1 CONSTRUCTION WIDTH

STA	STA	WIDTH
1+200	1+225	3.6m
1+225	1+400	3.6m TO 2.1m
1+400	2+450.037	2.1m
2+450.037	2+639.789	VARIES



SEQUENCE OF CONSTRUCTION PHASE 1

1+200.000 TO 2+333.779
2+367.269 TO 3+725.129

NEW CONSTRUCTION

EXISTING OR COMPLETED CONSTRUCTION

SEQUENCE OF CONSTRUCTION

PHASE ONE- MINOR LEFT WIDENING

1. CLEAR AND GRUB, STRIP AND STOCKPILE TOPSOIL
2. SAWCUT EXISTING CONCRETE DRIVEWAYS AND TIE-INS
3. EXTEND EXISTING CULVERTS AND JACK AND BORE NEW.
4. COMPLETE SUBGRADE FOR WIDENING
5. INSTALL AGGREGATE BASE, REMOVE DRIVES AHEAD OF OPERATION AND EXCAVATE TO GRADE
6. INSTALL TEMPORARY RAMPS WITH AGGREGATE BASE
7. COMPLETE ASPHALT THRU 12.5mm COURSE

PHASE TWO- CONSTRUCT RIGHT WIDENING

1. MILL AND OVERLAY THE EXISTING NORTHBOUND LANE SO THAT THE ENTIRE EXISTING ROADWAY WILL DRAIN TO THE WEST AWAY FROM PHASE 2 CONSTRUCTION.
2. PLACE TEMPORARY STRIPE FOR TEMPORARY CONSTRUCTION
3. CLEAR AND GRUB, STRIP AND STOCKPILE TOPSOIL
4. SAWCUT EXISTING CONCRETE DRIVEWAYS AND TIE-INS.
5. EXTEND EXISTING CULVERTS AND JACK AND BORE NEW.
6. COMPLETE EXCAVATION AND EMBANKMENT.
7. COMPLETE SUBGRADE.
8. INSTALL AGGREGATE BASE, REMOVE DRIVES AHEAD OF OPERATION AND EXCAVATE TO GRADE.
9. INSTALL TEMPORARY RAMPS WITH AGGREGATE BASE.
10. CONSTRUCT RAMPS, DRIVEWAYS AND FINISH DRAINAGE PIPE WORK.
11. SPREAD TOPSOIL AND COMPLETE EROSION CONTROL.
12. COMPLETE ASPHALT THRU 12.5mm COURSE.
13. PLACE TEMP. STRIPE FOR TEMP CONST.

PHASE THREE- COMPLETE LEFT WIDENING

1. COMPLETE SHOULDER EXCAVATION & EMBANKMENT.
2. CONSTRUCT SHOULDER.
3. COMPLETE ASPHALT THRU 12.5mm COURSE.
4. SPREAD TOPSOIL AND COMPLETE EROSION CONTROL.

PHASE FOUR- FINAL PAVING

1. COLD MILL AT TIE-INS, RAMPS, AND HIGH SPOTS.
2. CONSTRUCT ASPHALT 9.5mm COURSE AS CONTINUOUS OPERATION ON LEFT SIDE, CENTER AND RIGHT SIDE.
3. INSTALL TEMP. STRIPE @ PERMANENT LOCATION.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN
METRIC PLAN SHEET

BY	REVISION	DATE
CBF	TRAFFIC CONTROL ADJUSTMENTS	11/2013

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN SEQUENCE OF CONSTRUCTION SR 611 WIDENING PROJECT NO. SP-9392-00(008) JACKSON COUNTY

WORKING NUMBER TC-1

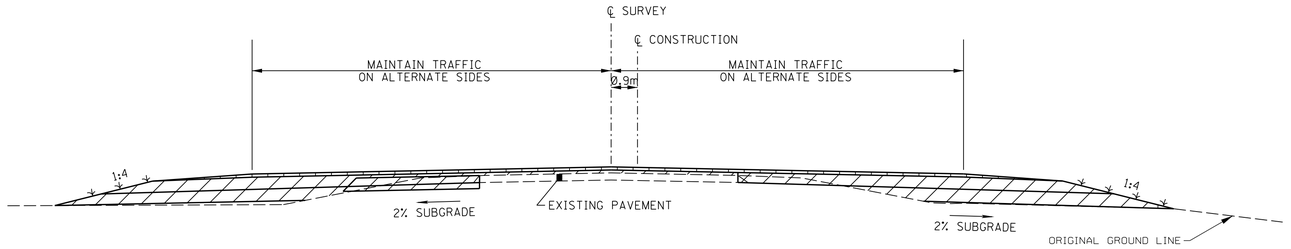
SHEET NUMBER 53

FILENAME: 611SC.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

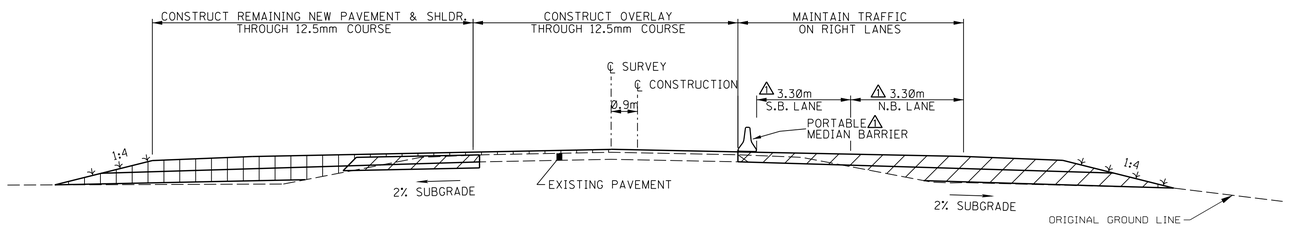
ADDENDUM

STATE	PROJECT NO.
MISS.	SP-9392-00(008)



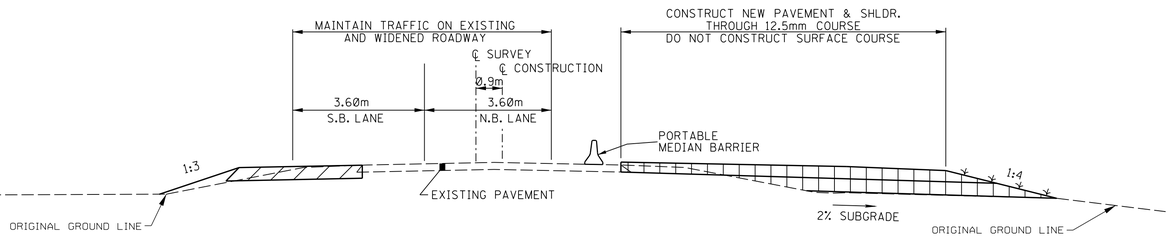
SEQUENCE OF CONSTRUCTION PHASE 4

3+725.000 AHD. TO 6+440.000



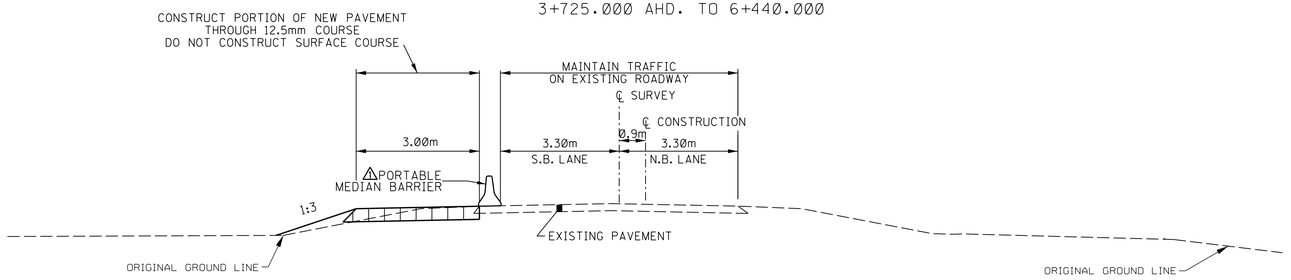
SEQUENCE OF CONSTRUCTION PHASE 3

3+725.000 AHD. TO 6+440.000



SEQUENCE OF CONSTRUCTION PHASE 2

3+725.000 AHD. TO 6+440.000



SEQUENCE OF CONSTRUCTION PHASE 1

3+725.000 AHD. TO 6+440.000

NEW CONSTRUCTION

EXISTING OR COMPLETED CONSTRUCTION

SEQUENCE OF CONSTRUCTION

PHASE ONE- MINOR LEFT WIDENING

1. CLEAR AND GRUB, STRIP AND STOCKPILE TOPSOIL
2. SAWCUT EXISTING DRIVEWAYS AND TIE-INS
3. EXTEND EXISTING CULVERT
4. COMPLETE SUBGRADE FOR WIDENING
5. INSTALL AGGREGATE BASE, REMOVE DRIVES AHEAD OF OPERATION AND EXCAVATE TO GRADE
6. INSTALL TEMPORARY RAMPS WITH AGGREGATE BASE
7. COMPLETE ASPHALT THRU 12.5mm COURSE

PHASE TWO- CONSTRUCT RIGHT WIDENING

1. PLACE TEMPORARY STRIPE FOR TEMPORARY CONSTRUCTION
2. CLEAR AND GRUB, STRIP AND STOCKPILE TOPSOIL
3. SAWCUT EXISTING CONCRETE DRIVEWAYS AND TIE-INS.
4. EXTEND EXISTING CULVERT
5. COMPLETE EXCAVATION AND EMBANKMENT.
6. COMPLETE SUBGRADE.
7. INSTALL AGGREGATE BASE, REMOVE DRIVES AHEAD OF OPERATION AND EXCAVATE TO GRADE.
8. INSTALL TEMPORARY RAMPS WITH AGGREGATE BASE.
9. CONSTRUCT RAMPS, DRIVEWAYS AND FINISH DRAINAGE PIPE WORK.
10. SPREAD TOPSOIL AND COMPLETE EROSION CONTROL.
11. COMPLETE ASPHALT THROUGH 12.5mm COURSE
12. PLACE TEMP. STRIPING FOR TEMP. CONST.

PHASE THREE- COMPLETE LEFT WIDENING

1. COMPLETE SHOULDER EXCAVATION AND EMBANKMENT.
2. CONSTRUCT SHOULDER
3. COMPLETE ASPHALT THROUGH 12.5mm COURSE
4. SPREAD TOPSOIL AND COMPLETE EROSION CONTROL.
5. INSTALL TEMPORARY STRIPING IN PERMANENT LOCATION

PHASE FOUR- FINAL PAVING

1. COLD MILL AT TIE-INS, RAMPS, AND HIGH SPOTS.
2. CONSTRUCT ASPHALT 9.5mm COURSE AS CONTINUOUS OPERATION ON RIGHT SIDE, CENTER AND LEFT SIDE.
3. REMOVE TRANSITION STRIPING FROM STA 6+440 TO 6+620 AND INSTALL PERMANENT STRIPING.

ROADWAY DESIGN
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
METRIC PLAN SHEET

BY	REVISION	DATE
CBF	TRAFFIC CONTROL ADJUSTMENTS	11/2013

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN SEQUENCE OF CONSTRUCTION SR 611 WIDENING PROJECT NO. SP-9392-00(008) JACKSON COUNTY

DEPARTMENT OF TRANSPORTATION METRIC MISSISSIPPI

WORKING NUMBER TC-2

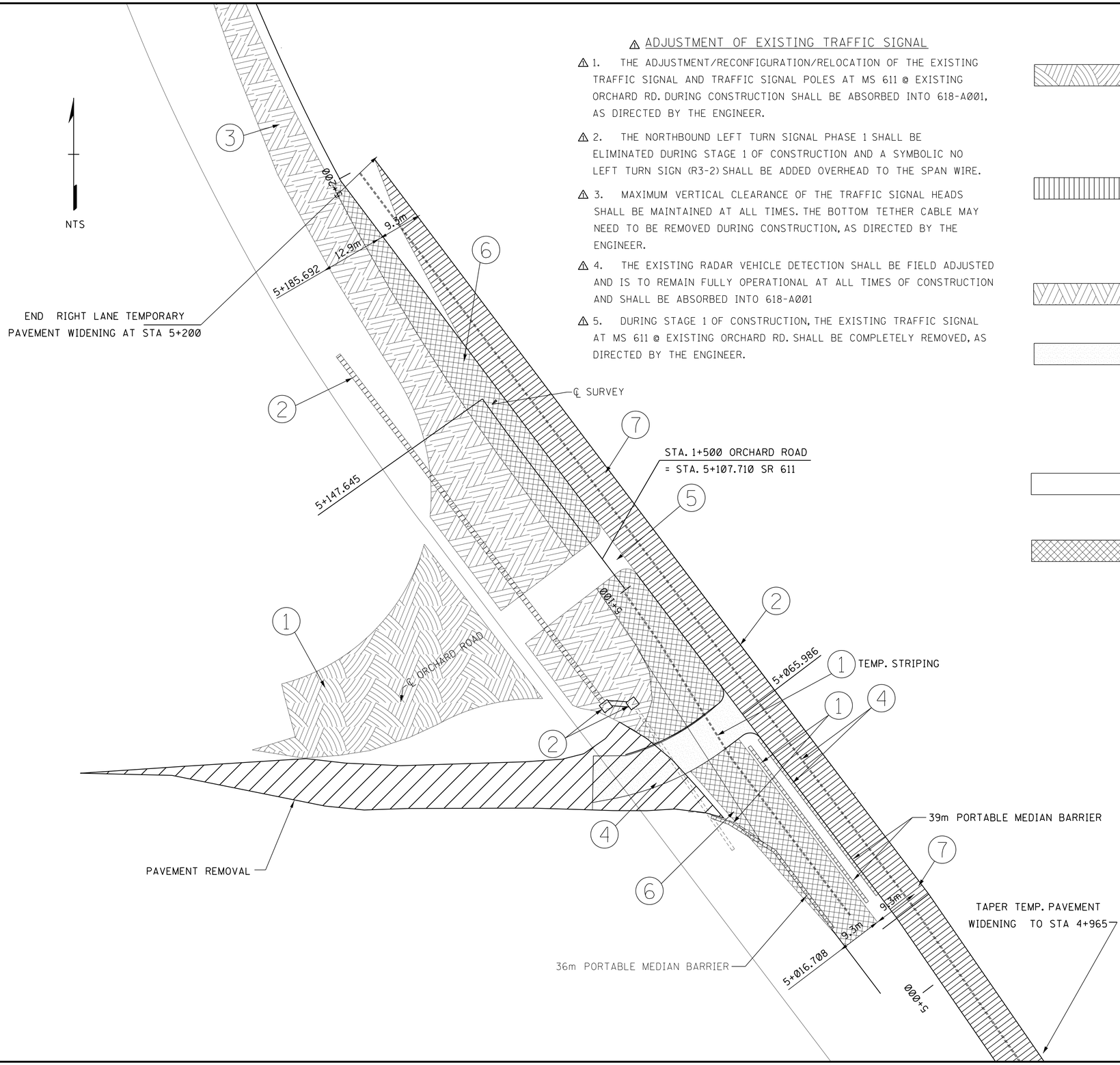
SHEET NUMBER 54

FILENAME: 611SC.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

ADDENDUM

STATE	PROJECT NO.
MISS.	SP-9392-00(008)



⚠ ADJUSTMENT OF EXISTING TRAFFIC SIGNAL

⚠ 1. THE ADJUSTMENT/RECONFIGURATION/RELOCATION OF THE EXISTING TRAFFIC SIGNAL AND TRAFFIC SIGNAL POLES AT MS 611 @ EXISTING ORCHARD RD. DURING CONSTRUCTION SHALL BE ABSORBED INTO 618-A001, AS DIRECTED BY THE ENGINEER.

⚠ 2. THE NORTHBOUND LEFT TURN SIGNAL PHASE 1 SHALL BE ELIMINATED DURING STAGE 1 OF CONSTRUCTION AND A SYMBOLIC NO LEFT TURN SIGN (R3-2) SHALL BE ADDED OVERHEAD TO THE SPAN WIRE.

⚠ 3. MAXIMUM VERTICAL CLEARANCE OF THE TRAFFIC SIGNAL HEADS SHALL BE MAINTAINED AT ALL TIMES. THE BOTTOM TETHER CABLE MAY NEED TO BE REMOVED DURING CONSTRUCTION, AS DIRECTED BY THE ENGINEER.

⚠ 4. THE EXISTING RADAR VEHICLE DETECTION SHALL BE FIELD ADJUSTED AND IS TO REMAIN FULLY OPERATIONAL AT ALL TIMES OF CONSTRUCTION AND SHALL BE ABSORBED INTO 618-A001

⚠ 5. DURING STAGE 1 OF CONSTRUCTION, THE EXISTING TRAFFIC SIGNAL AT MS 611 @ EXISTING ORCHARD RD. SHALL BE COMPLETELY REMOVED, AS DIRECTED BY THE ENGINEER.

① CONSTRUCT PROPOSED ORCHARD ROAD OUTSIDE EXISTING FOOTPRINT AND WEST OF RAILROAD CROSSING. INSTALL 36m & 39m PORTABLE MEDIAN BARRIER ON LEFT LANES OF SR 611 AND RESTRIPE FOR TWO LANES OF TRAFFIC. TO ENABLE STAGE 1 CONSTRUCTION OF BOX CULVERT TRANSFER TRAFFIC ON SR 611 TO LEFT SIDE.

② INSTALL 87.6 m OF NEW 600 mm RCP UNDER INTERSECTION. INSTALL 4.8 m OF TEMPORARY 600 mm RCP AND TWO TEMPORARY JUNCTION BOXES TO CONNECT TO EXISTING 600 mm RCP UNDER EXISTING ORCHARD ROAD. CONSTRUCT NEW RIGHT LANES ON SR 611 AND WIDEN PAVEMENT AS NEEDED TO PROVIDE FOR TWO WAY TRAFFIC.

③ CONSTRUCT EMBANKMENT OF NEW INTERSECTION AND APPROACH LANES FOR LEFT WIDENING TO EDGE OF EXISTING SR 611 PAVEMENT.

④ INSTALL 39M PORTABLE MEDIAN BARRIER ON RIGHT LANES AND PLACE TEMPORARY STRIPE FOR TWO LANES OF TRAFFIC. SHIFT SR 611 TRAFFIC TO RIGHT LANES. EXTEND A TEMPORARY 2-LANE CONNECTION FROM THE EXISTING ORCHARD ROAD INTERSECTION TO THE NEW RIGHT LANES OF SR 611. ORCHARD ROAD WILL BE CLOSED TO THROUGH TRAFFIC DURING CONSTRUCTION OF THE CONNECTION.

⑤ COMPLETE CONNECTION OF NEW ORCHARD ROAD CENTERLINE TO SR 611 RIGHT LANES AND INSTALL TRAFFIC SIGNAL.

⑥ TRANSFER ORCHARD ROAD TRAFFIC TO NEW CONNECTION. COMPLETE INTERSECTION THROUGH THE 19.0 mm PAVEMENT LAYER. REMOVE TEMPORARY JUNCTION BOXES AND EXTEND 600 mm RCP TO CONNECT WITH QUAD RCB. APPLY TEMPORARY STRIPING AT PERMANENT LOCATION.

⑦ TRANSFER TRAFFIC TO NEW ALIGNMENTS. COMPLETE OVERLAY OF INTERSECTION. REMOVE EXCESS PAVEMENT WHERE NEEDED. APPLY PERMANENT STRIPING.

NOTE: SEE TC-5 FOR ADDITIONAL DETAILS.

ROADWAY DESIGN
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
METRIC PLAN SHEET

DATE	REVISION	BY
11/2013	ADDED EX. SIGNAL NOTES	CBF

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

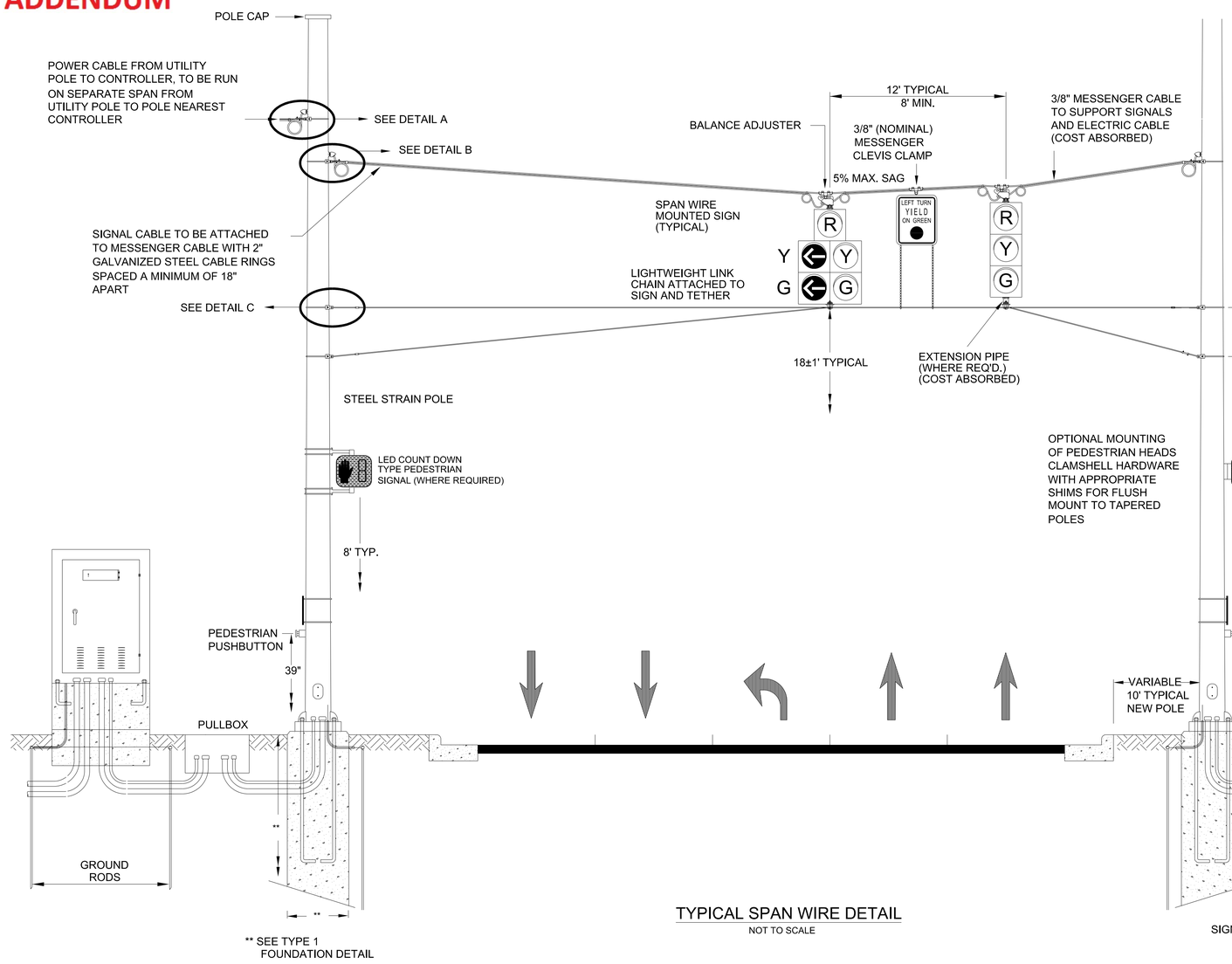
TRAFFIC CONTROL
SR 611 AND
ORCHARD ROAD
PROJECT NO. SP-9392-00(008)
JACKSON COUNTY

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

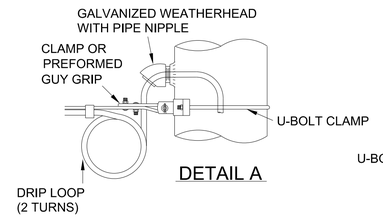
WORKING NUMBER TC-5
SHEET NUMBER 57

ADDENDUM

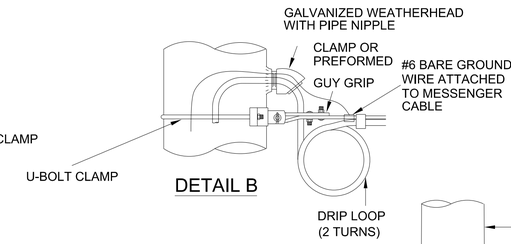
STATE	PROJECT NO.
MISS.	SP-9392-00(008)



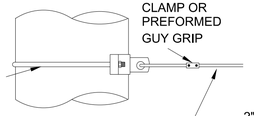
TYPICAL SPAN WIRE DETAIL
NOT TO SCALE



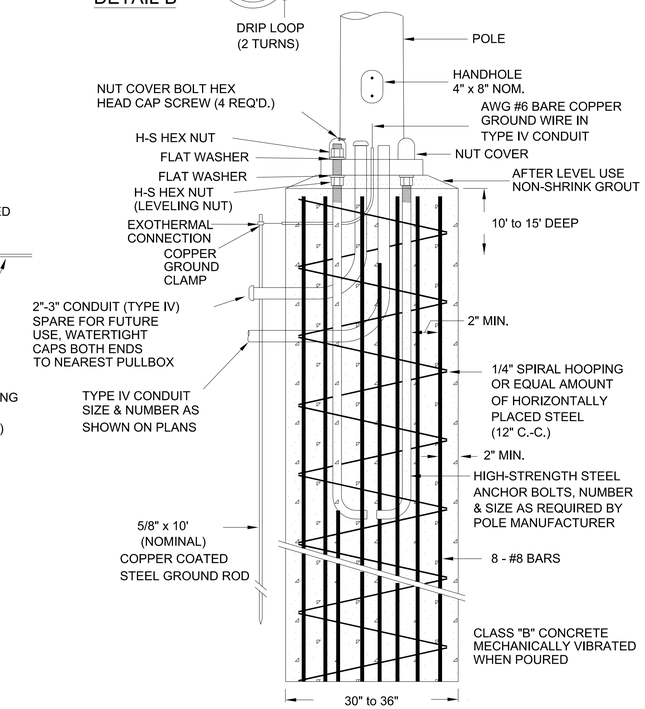
DETAIL A



DETAIL B



DETAIL C



TYPE 1 POLE FOUNDATION DETAIL

GENERAL FOUNDATION NOTES

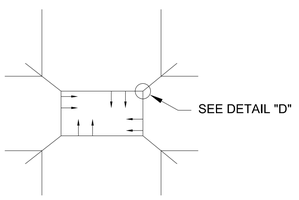
1. EXACT DIMENSIONS AND LOCATIONS OF ANCHOR BOLTS TO BE SUPPLIED BY THE MANUFACTURER. ANY FOUNDATIONS FAILING TO MEET MINIMUM DIMENSIONS WILL BE REJECTED.
2. DRY SHAFT EXCAVATION MUST MEET REQUIREMENTS OF SECTION 803.03.2.3.2. IF GROUNDWATER OR HOLE INSTABILITY IS ENCOUNTERED, SLIP CASING AND 10' TREMIE SHALL BE REQUIRED.
3. WIND LOAD DETERMINES SHAFT DIAMETER AND DEPTH:

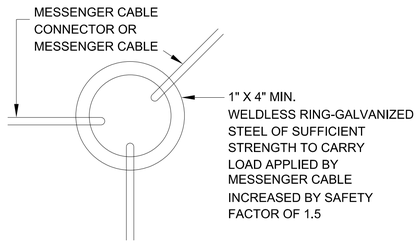
   COASTAL COUNTIES (140mph) - 36" DIAMETER, 15' DEPTH WITH SLIP CASING.

   100mph to 130mph - 36" DIAMETER, 15' DEPTH, SLIP CASING NOT REQUIRED

   ALL OTHER COUNTIES (90mph) - 36" DIAMETER, 12' DEPTH

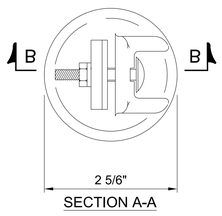
   *SEE WIND LOAD MAP IN 2001 AASHTO GUIDELINES.



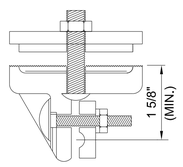


DETAIL "D"

DETAIL OF MESSENGER CABLE CONNECTION USING TENSION RING
NOT TO SCALE

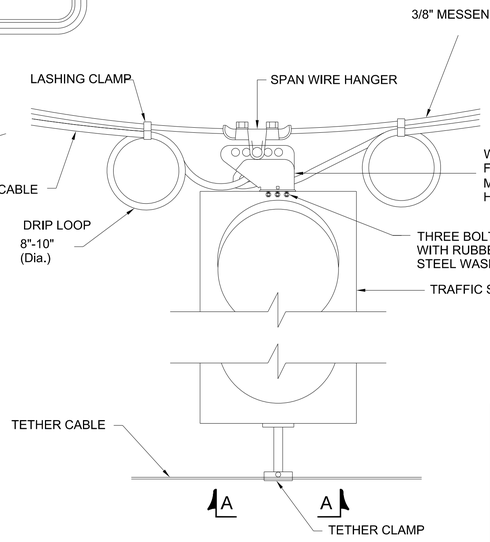


SECTION A-A



SECTION B-B

DETAIL OF TETHER CLAMP
NOT TO SCALE



DETAIL OF SPAN WIRE ATTACHMENT FOR SIGNAL HEADS
NOT TO SCALE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPAN WIRE AND STEEL STRAIN POLE DETAILS FOR TRAFFIC SIGNAL INSTALLATION

PROJECT NO.: SP-9392-00-(008)

COUNTY: JACKSON

DATE	ADDED SHEET REVISION	BY
11/2013		CBF

FILENAME: _____

DESIGN TEAM _____ CHECKED _____ DATE _____

WORKING NUMBER: TSD-4

SHEET NUMBER: 2007

ADDENDUM

STATE	PROJECT NO.
MISS.	SP-9392-00(008)

ROADWAY DESIGN
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
METRIC PLAN SHEET

TRAFFIC SIGNAL HEADS

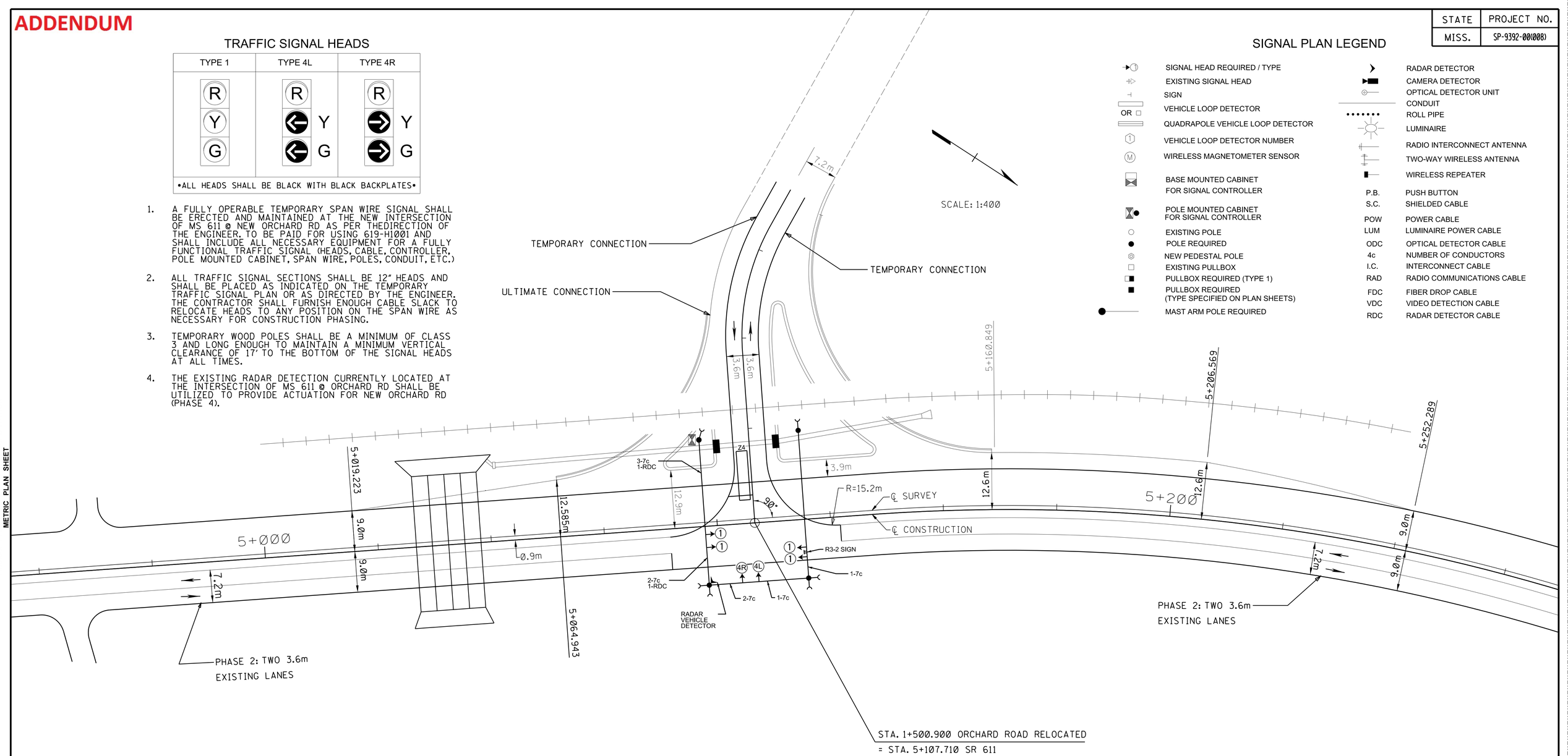
TYPE 1	TYPE 4L	TYPE 4R
R Y G	R ← Y ← G	R → Y → G

•ALL HEADS SHALL BE BLACK WITH BLACK BACKPLATES•

1. A FULLY OPERABLE TEMPORARY SPAN WIRE SIGNAL SHALL BE ERECTED AND MAINTAINED AT THE NEW INTERSECTION OF MS 611 @ NEW ORCHARD RD AS PER THEDIRECTION OF THE ENGINEER. TO BE PAID FOR USING 619-H1001 AND SHALL INCLUDE ALL NECESSARY EQUIPMENT FOR A FULLY FUNCTIONAL TRAFFIC SIGNAL (HEADS, CABLE, CONTROLLER, POLE MOUNTED CABINET, SPAN WIRE, POLES, CONDUIT, ETC.)
2. ALL TRAFFIC SIGNAL SECTIONS SHALL BE 12" HEADS AND SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE AS NECESSARY FOR CONSTRUCTION PHASING.
3. TEMPORARY WOOD POLES SHALL BE A MINIMUM OF CLASS 3 AND LONG ENOUGH TO MAINTAIN A MINIMUM VERTICAL CLEARANCE OF 17' TO THE BOTTOM OF THE SIGNAL HEADS AT ALL TIMES.
4. THE EXISTING RADAR DETECTION CURRENTLY LOCATED AT THE INTERSECTION OF MS 611 @ ORCHARD RD SHALL BE UTILIZED TO PROVIDE ACTUATION FOR NEW ORCHARD RD (PHASE 4).

SIGNAL PLAN LEGEND

SIGNAL HEAD REQUIRED / TYPE	RADAR DETECTOR
EXISTING SIGNAL HEAD	CAMERA DETECTOR
SIGN	OPTICAL DETECTOR UNIT
VEHICLE LOOP DETECTOR	CONDUIT
OR QUADRAPOLE VEHICLE LOOP DETECTOR	ROLL PIPE
VEHICLE LOOP DETECTOR NUMBER	LUMINAIRE
WIRELESS MAGNETOMETER SENSOR	RADIO INTERCONNECT ANTENNA
BASE MOUNTED CABINET FOR SIGNAL CONTROLLER	TWO-WAY WIRELESS ANTENNA
POLE MOUNTED CABINET FOR SIGNAL CONTROLLER	WIRELESS REPEATER
EXISTING POLE	P.B. PUSH BUTTON
POLE REQUIRED	S.C. SHIELDED CABLE
NEW PEDESTAL POLE	POW POWER CABLE
EXISTING PULLBOX	LUM LUMINAIRE POWER CABLE
PULLBOX REQUIRED (TYPE 1)	ODC OPTICAL DETECTOR CABLE
PULLBOX REQUIRED (TYPE SPECIFIED ON PLAN SHEETS)	4c NUMBER OF CONDUCTORS
MAST ARM POLE REQUIRED	I.C. INTERCONNECT CABLE
	RAD RADIO COMMUNICATIONS CABLE
	FDC FIBER DROP CABLE
	VDC VIDEO DETECTION CABLE
	RDC RADAR DETECTOR CABLE



SIGNAL PHASING

N/U 1	→ 2	N/U 3	↓ 4
N/U 5	← 6	N/U 7	N/U 8

FLASHING OPERATION: YELLOW: Φ2, Φ6
RED: Φ4
MAX RECALL FOR Φ2 & Φ6
UTILIZE RADAR DETECTION FOR Φ4

BY	DATE	REVISION
CBF	11/2013	ADDED SHEET

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

TEMP. TRAFFIC SIGNAL DETAIL

SR 611 &
ORCHARD ROAD
PROJECT NO. SP-9392-00(008)
JACKSON COUNTY

FILENAME: 611ID-2.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

WORKING NUMBER TSI-3
SHEET NUMBER 2008