

SECTION 905 -- PROPOSAL (CONTINUED)

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

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

ADDENDUM NO. <u> 1 </u>	DATED <u> 8/20/2019 </u>	ADDENDUM NO. <u> </u>	DATED <u> </u>
ADDENDUM NO. <u> </u>	DATED <u> </u>	ADDENDUM NO. <u> </u>	DATED <u> </u>
ADDENDUM NO. <u> </u>	DATED <u> </u>	ADDENDUM NO. <u> </u>	DATED <u> </u>

Number	Description
1	Revised Table of Contents; Added SP 907-630-2, and 907-659-1; Revised Bid Items; Revised or Added Plan Sheets, No. 2, 18-20, 27; Amendment EBS Download Required.

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

Respectfully Submitted,

DATE _____

Contractor

BY _____
Signature

TITLE _____

ADDRESS _____

CITY, STATE, ZIP _____

PHONE _____

FAX _____

E-MAIL _____

(To be filled in if a corporation)

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

_____ President	_____ Address
_____ Secretary	_____ Address
_____ Treasurer	_____ Address

The following is my (our) itemized proposal.
HSIP-0003-01(189)/ 106778301000
Jackson County(ies)

Revised 01/26/2016

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION
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PROJECT: HSIP-0003-01(189)/106778301 - Jackson

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

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MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-630-2

CODE: (SP)

DATE: 03/01/2017

SUBJECT: Contractor Designed Sign Supports

Section 630, Traffic Signs and Delineators, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

907-630.01--Description. After the last paragraph of Subsection 630.01 on page 503, add the following.

For smaller and lighter Type 3 DMS signs where an overhead support is not specified on the plans and a walk-in enclosure is not included, a triple post support can be provided. This post sign support shall be designed to withstand the same wind speed requirements specified above for the overhead supports.

901-630.01.1--Dynamic Message Sign Supports. In addition to the requirements above, supports for Dynamic Message Signs (DMS) shall also meet the following requirements.

The sign structure manufacturer shall consider truck induced wind loading in deflection calculations. The natural frequency response of the structure to truck induced wind loads when span type DMS structure are used shall be considered. More information can be obtained on this subject in the Transportation Research Board (National Research Council) "Truck Induced Wind Loads on Variable Message Signs", Research Record No. 1594, published in 1997.

The Contractor shall be responsible for the complete design of the structure, catwalk, footing, median barrier replacement, DMS attachments and all other related hardware.

Each structure shall be fully warranted for but not limited to rust, corrosion and structural failure as a complete assembly by the manufacturer.

The Contractor shall determine the actual span length and the actual length of support columns for all sign structures on the basis of existing field conditions and detailed survey completed by the Contractor.

All DMS over the roadway sign structures shall include a catwalk. The Contractor shall be responsible for the catwalk design and shall submit the design calculations to the Bridge Engineer for approval. For over the roadway signs, the catwalk shall span from the outside edge of the shoulder to the door on the DMS. The bottom of the catwalk shall be covered with a heavy galvanized wire mesh which shall have openings no larger than ¼". The handrail for the catwalk shall be designed such that it can be lowered when it is not in use. The catwalk shall include a gate that shall be designed such that it is lockable via a pad lock and key or other approved locking mechanism to prevent unauthorized entry.

All pedestal mounted DMS sign structures shall consist of a single steel pole with the DMS centered over the front face of the pole. The top of the pole shall not extend above the top of the DMS.

All post supported type 3 DMS shall consist of a triple post support and the top of the posts shall not extend above the top of the DMS.

Pedestal mounted structures shall also include a catwalk "Landing" area on the same side as the door of the DMS. This Landing area shall be of sufficient size and design to allow someone to stand on the landing area prior to opening the door and entering the walk-in structure. If a non-walkin DMS is provided, the pedestal mounted structure shall include a catwalk of sufficient length for the entire DMS to be serviced from the catwalk. The bottom of the catwalk shall be covered with a heavy galvanized wire mesh which shall have openings no larger than 1/4". The handrail for the catwalk shall be designed such that it can be lowered when it is not in use.

The Contractor shall be responsible for performing soil borings at each location to be used in the design of the foundations and sign supports. If soil conditions required the use of any shoring, casings, or sonotube for proper installation of the foundations, the cost of the shoring, casings or sonotube shall be included in the price of the structure.

907-630.04--Method of Measurement. After the last paragraph of Subsection 630.04 on page 510, add the following.

Pedestal Sign Supports will be measured per lump sum for each specific assembly.

Post Sign Supports will be measured per lump sum for each specific assembly.

907-630.05--Basis of Payment. After the first paragraph of Subsection 630.05 on page 510, add the following.

Pedestal Sign Supports, measured as prescribed above, will be paid for at the contract bid price per lump sum, which price shall include the support structure, foundations, catwalk, connection hardware, conduit on the structure and foundation, soil borings, sign and footing design, connections to the support structure, median barrier repair, required repaving around median barrier foundations and all work, equipment and appurtenances as required to have the structure complete, in place and ready for use. This price shall be full compensation for all labor, tools, materials, equipment and incidentals necessary to complete the work.

Post Sign Supports, measured as prescribed above, will be paid for at the contract bid price per lump sum, which price shall include all the support posts, foundations, connection hardware, conduit on the structure and foundation, soil borings, sign and footing design, connections to the support structure, median barrier repair, required repaving around median barrier foundations and all work, equipment and appurtenances as required to have the structure complete, in place and ready for use. This price shall be full compensation for all labor, tools, materials, equipment and incidentals necessary to complete the work

After the last pay item listed on page 511, add the following.

907-630-L: Pedestal Sign Support, Assembly No. _____,
Contractor Designed - lump sum

907-630-M: Post Sign Support, Assembly No. _____,
Contractor Designed - lump sum

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-659-1

CODE: (SP)

DATE: 01/17/2017

SUBJECT: Traffic Management Center (TMC) Modifications

Section 907-659, Traffic Management Center (TMC) Modifications, is hereby added to and made part of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction as follows.

SECTION 907-659 - TRAFFIC MANAGEMENT CENTER (TMC) MODIFICATIONS

907-659.01--Description. The MDOT Statewide Traffic Management Center (TMC) is located in the Traffic Engineering Division in the MDOT Shop Complex at 2567 North West Street, Jackson, Mississippi. Regional and City Traffic Management Centers may be located statewide. The following is a list of existing/planned centers and their addresses:

City of Jackson TMC – 300 North State Street, Jackson, Mississippi (basement)

Northwest Regional Combined TMC – 8791 Northwest Drive, Southaven, Mississippi (Police Department)

City of Ridgeland TOC – 304 Hwy 51, Ridgeland, Mississippi (City Hall)

Oxford Combined TMC – 715 Mollybarr Road, Oxford, Mississippi (Oxford Police Department)

Hattiesburg Regional TMC/EOC – 6356 Hwy 49N, Hattiesburg, Mississippi (MDOT District 6 Headquarters)

Batesville Regional TMC/EOC – 150 Hwy 51N, Batesville, Mississippi (MDOT District 2 Headquarters)

Natchez Combined TMC – 233 Devereaux Drive, Natchez, Mississippi (Police Department)

Gulf Regional TMC – 16499 Hwy 49, Saucier, Mississippi (MDOT Lyman Project Office)

Additional Traffic Management Centers may be added as needed.

907-659.02--Blank.

907-659.03--Construction and Operation Requirements.

907-659.03.1--TMC Modifications. The MDOT TMC modifications required to integrate and operate the traffic systems and devices shall be provided. These include, but are not limited to, expanding the central video management system, interconnecting the appropriate number of video interfaces to the TMC video management systems, expanding the MSTraffic backbone network through radio communications, wireless communications, T1 lines or fiber communications, expanding the TACTICS signal system, or upgrading existing signal systems, expanding or modifying existing adaptive control signal software systems (i.e. SCOOT, ACS Lite, etc.), expanding the Automated Traffic Management System (ATMS), and integrating all the existing

computing facilities. All TMC modifications must meet U.S. Department of Transportation Intelligent Transportation System (ITS) Standards, Policies, and Architectures as well as MDOT's applicable Statewide or Regional Architecture.

907-659.03.2--TMC Modifications - Monitor Systems. Roadway traffic monitor locations shall provide local control functions related to traffic slowdowns and other congestion monitors as defined by MDOT Traffic Engineering. Additionally, the traffic monitor systems shall provide on-line data for use by the existing MDOT ATMS for engineering, operations, planning, incident, and mstraffic.com purposes. This data shall include, but is not limited to, per vehicle data raw data which shall be transmitted to and stored and managed by the ATMS. The traffic monitor systems shall be capable of utilizing both or either loop, microloop, radar, and/or video detection information. The system shall provide a consistent communication and management system regardless of detection methods used. All Traffic Monitoring Systems must meet U.S. Department of Transportation Intelligent Transportation System (ITS) Standards, Policies, and Architectures as well as MDOT's applicable Statewide or Regional Architecture.

907-659.03.3--TMC Modifications – Installation Requirements. All equipment shall be installed according to the manufacturer's recommendations, the Plans and as follows:

- 1) Any new, additional or updated drivers required for the existing ATMS software to communicate and control new devices installed by Contractor shall be the responsibility of the Contractor.
- 2) Installation of all equipment and software shall be included. The Contractor must provide the MDOT ITS Manager with an Installation Schedule. The Installation Schedule must be approved by the State Traffic Engineer.
- 3) All equipment and software must be fully functional and pass a Final Inspection by the ITS Manager and Project Engineer before being accepted by MDOT.

907-659.03.4--MDOT Employee Training. Training shall be provided covering the system architecture, operations, and maintenance of the TMC systems. If training requirements include travel on the part of training participants then the cost of the travel shall be included.

907-659.04--Method of Measurement. Traffic Management Center Modifications and Traffic Management Center Modifications – Monitor Systems, complete in place, tested and accepted, will be measured per each intersection or on a lump sum basis. Traffic Management Center Modifications – Training will be measured on a lump sum basis.

907-659.05--Basis of Payment. Traffic Management Center Modifications, Traffic Management Center Modifications – Monitor Systems, and Traffic Management Center Modifications - Training, measured as prescribed above, will be paid for at the contract unit price per each or contract lump sum price, which price shall be full compensation for furnishing all materials for all installing, connecting, cutting, pulling and testing and for all equipment, tools, labor and incidentals necessary to complete the work.

Payment will be made under:

907-659-A: Traffic Management Center Modifications - per each or lump sum

907-659-B: Traffic Management Center Modifications – Monitor Systems - per each or lump sum

907-659-C: Traffic Management Center Modifications – Training - lump sum

Intersection Improvements on US Highway 90 from Pascagoula Street to Chevron Drive, known as Federal Aid Project No. HSIP-0003-01(189) / 106778301 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	201-B001		1	Acre	Clearing and Grubbing
0030	202-B007		1,962	Square Yard	Removal of Asphalt Pavement, All Depths
0040	202-B050		215	Linear Feet	Removal of Concrete Combination Curb & Gutter
0050	202-B051		1,102	Linear Feet	Removal of Concrete Curb
0060	202-B052		385	Square Yard	Removal of Concrete Driveways, All Depths
0070	202-B059		9	Square Yard	Removal of Concrete Median & Island Pavement, All Depths
0080	202-B062		2,141	Square Yard	Removal of Concrete Overlaid w/ Asphalt Pavement, All Depths
0090	202-B090		1	Each	Removal of Curb Inlet
0100	202-B165		6	Each	Removal of Inlets, All Sizes
0110	202-B191		1,071	Linear Feet	Removal of Pipe, 8" And Above
0120	202-B215		245	Each	Removal of Sign Including Post & Footing
0130	202-B241		32	Mile	Removal of Traffic Stripe
0140	203-A001	(E)	5,439	Cubic Yard	Unclassified Excavation, FM, AH
0150	203-EX018	(E)	4,315	Cubic Yard	Borrow Excavation, AH, FME, Class B7-6
0160	206-A001	(S)	2,070	Cubic Yard	Structure Excavation
0170	209-A005		23,206	Square Yard	Geotextile Stabilization, Type V, Non-Woven
0180	216-A001		35,429	Square Yard	Solid Sodding
0190	219-A001		709	Thousand Gallon	Watering [\$20.00]
0200	220-A001		4	Acre	Insect Pest Control [\$30.00]
0210	226-A001		7	Acre	Temporary Grassing
0220	234-A001		2,124	Linear Feet	Temporary Silt Fence
0230	234-D001		14	Each	Inlet Siltation Guard
0240	234-E001		14	Each	Reset Inlet Siltation Guard
0250	237-A002		2,980	Linear Feet	Wattles, 20"
0260	246-B001		2,537	Each	Rockbags
0270	249-A001		90	Ton	Riprap for Erosion Control
0280	249-B001		45	Cubic Yard	Remove and Reset Riprap
0290	403-A001	(BA1)	1,163	Ton	12.5-mm, HT, Asphalt Pavement
0300	403-A004	(BA1)	1,234	Ton	19-mm, HT, Asphalt Pavement
0310	403-A006	(BA1)	1,240	Ton	19-mm, ST, Asphalt Pavement
0320	403-A013	(BA1)	18,901	Ton	9.5-mm, HT, Asphalt Pavement

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0330	403-B001	(BA1)	11,202	Ton	12.5-mm, HT, Asphalt Pavement, Leveling
0340	406-D001		220,686	Square Yard	Fine Milling of Bituminous Pavement, All Depths
0350	407-A001	(A2)	12,402	Gallon	Asphalt for Tack Coat
0360	423-A001		5	Mile	Rumble Strips, Ground In
0370	503-C010		12,341	Linear Feet	Saw Cut, Full Depth
0380	601-B001	(S)	93	Cubic Yard	Class "B" Structural Concrete, Minor Structures
0390	602-A001	(S)	9,090	Pounds	Reinforcing Steel
0400	603-CA012	(S)	2,328	Linear Feet	18" Reinforced Concrete Pipe, Class III, Rubber Type Gaskets
0410	603-CA027	(S)	1,192	Linear Feet	24" Reinforced Concrete Pipe, Class III, Rubber Type Gaskets
0420	603-CB003	(S)	1	Each	18" Reinforced Concrete End Section
0430	603-CE003	(S)	128	Linear Feet	22" x 13" Concrete Arch Pipe, Class A III, Flexible Plastic Gaskets
0440	603-CF002	(S)	2	Each	22" x 13" Concrete Arch Pipe End Section
0450	603-SB006	(S)	1	Each	18" Branch Connections, Stub into 60" Concrete Pipe
0460	603-SB008	(S)	2	Each	18" Branch Connections, Stub into 73" x 45" Concrete Pipe
0470	603-SB012	(S)	1	Each	18" Branch Connections, Stub into Box Culvert
0480	604-B001		2,127	Pounds	Gratings
0490	606-B001		225	Linear Feet	Guard Rail, Class A, Type 1
0500	606-C003		2	Each	Guard Rail, Cable Anchor, Type 1
0510	606-E005		2	Each	Guard Rail, Terminal End Section, Flared
0520	608-A001	(S)	132	Square Yard	Concrete Sidewalk, Without Reinforcement
0530	608-C001		8	Square Feet	Detectable Warning Panels
0540	609-B002	(S)	6,414	Linear Feet	Concrete Curb, Header
0550	609-B003	(S)	670	Linear Feet	Concrete Curb, Special Design
0560	609-B007	(S)	411	Linear Feet	Concrete Curb, Special Design Header, Type 2
0570	609-D001	(S)	178	Linear Feet	Combination Concrete Curb and Gutter Type 1
0580	609-D008	(S)	336	Linear Feet	Combination Concrete Curb and Gutter Type 3A
0590	609-D012	(S)	8,722	Linear Feet	Combination Concrete Curb and Gutter Type 3A Modified
0600	609-D014	(S)	390	Linear Feet	Combination Concrete Curb and Gutter Type 3B Modified
0610	612-A001		100	Cubic Yard	Flowable Fill, Excavatable
0620	616-A001	(S)	940	Square Yard	Concrete Median and/or Island Pavement, 10-inch
0630	616-A004	(S)	6,048	Square Yard	Concrete Median and/or Island Pavement, 4-inch
0640	618-A001		1	Lump Sum	Maintenance of Traffic
0650	619-A1001		23	Mile	Temporary Traffic Stripe, Continuous White
0660	619-A1005		727	Linear Feet	Temporary Traffic Stripe, Continuous White, Type 1 Tape

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0670	619-A2001		17	Mile	Temporary Traffic Stripe, Continuous Yellow
0680	619-A2006		348	Linear Feet	Temporary Traffic Stripe, Continuous Yellow, Type 1 Tape
0690	619-A3001		28	Mile	Temporary Traffic Stripe, Skip White
0700	619-A5001		70,034	Linear Feet	Temporary Traffic Stripe, Detail
0710	619-A6001		4,587	Square Feet	Temporary Traffic Stripe, Legend
0720	619-A6002		6,485	Linear Feet	Temporary Traffic Stripe, Legend
0730	619-D1001		136	Square Feet	Standard Roadside Construction Signs, Less than 10 Square Feet
0740	619-D2001		2,170	Square Feet	Standard Roadside Construction Signs, 10 Square Feet or More
0750	619-E1001		1	Each	Flashing Arrow Panel, Type C
0760	619-F3001		10	Each	Delineators, Guard Rail, White
0770	619-G4005		1,722	Linear Feet	Barricades, Type III, Single Faced
0780	619-G5001		530	Each	Free Standing Plastic Drums
0790	619-G7001		16	Each	Warning Lights, Type "B"
0800	619-H1001		1	Lump Sum	Traffic Signals
0810	620-A001		1	Lump Sum	Mobilization
0820	626-A001		11	Mile	6" Thermoplastic Double Drop Traffic Stripe, Skip White
0830	626-C002		7	Mile	6" Thermoplastic Double Drop Edge Stripe, Continuous White
0840	626-E003		1,620	Linear Feet	6" Thermoplastic Traffic Stripe, Continuous Yellow
0850	626-F001		4	Mile	6" Thermoplastic Double Drop Edge Stripe, Continuous Yellow
0860	626-G002		49,326	Linear Feet	Thermoplastic Detail Stripe, White
0870	626-G003		20,708	Linear Feet	Thermoplastic Detail Stripe, Yellow
0880	626-H004		4,587	Square Feet	Thermoplastic Legend, White
0890	626-H005		6,485	Linear Feet	Thermoplastic Legend, White
0900	627-K001		1,968	Each	Red-Clear Reflective High Performance Raised Markers
0910	627-L001		8	Each	Two-Way Yellow Reflective High Performance Raised Markers
0920	630-A001		1,534	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness
0930	630-A003		394	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness
0940	630-B002		184	Square Feet	Interstate Directional Signs, Bolted Extruded Aluminum Panels, Ground Mounted
0950	630-C002		10	Linear Feet	Steel U-Section Posts, 2.0 lb/ft
0960	630-C003		2,574	Linear Feet	Steel U-Section Posts, 3.0 lb/ft
0970	630-D008		340	Linear Feet	Structural Steel Beams, W6 x 9
0980	630-E002		330	Pounds	Structural Steel Angles & Bars, 3" x 3" x 1/4" Angles
0990	630-E004		930	Pounds	Structural Steel Angles & Bars, 7/16" x 2 1/2" Flat Bar

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
1000	630-G007		4	Each	Type 3 Object Markers, OM-3R, Post Mounted
1010	630-K001		802	Linear Feet	Welded & Seamless Steel Pipe Posts, 3 1/2"
1020	630-K002		35	Linear Feet	Welded & Seamless Steel Pipe Posts, 3"
1030	630-K003		18	Linear Feet	Welded & Seamless Steel Pipe Posts, 4"
1040	635-A059		73	Each	Traffic Signal Head, Type 1
1050	635-A061		13	Each	Traffic Signal Head, Type 2
1060	635-A065		15	Each	Traffic Signal Head, Type 2 FYA
1070	635-A070		2	Each	Traffic Signal Head, Type 3
1080	635-A073		4	Each	Traffic Signal Head, Type 4
1090	635-A074		4	Each	Traffic Signal Head, Type 4R
1100	635-A076		4	Each	Traffic Signal Head, Type 6
1110	638-A006		3	Each	Flasher Assembly, Prepare To Stop
1120	646-C001		6	Each	LED Blank-Out Sign
1130	647-A001		1	Lump Sum	Removal of Existing Traffic Signal Equipment
1140	656-A002		1	Each	Dynamic Message Sign, Type 2
1150	656-A003		3	Each	Dynamic Message Sign, Type 3
1160	660-A003		7	Each	Equipment Cabinet, Type B
1170	660-A004		1	Each	Equipment Cabinet, Type C
1180	699-A001		1	Lump Sum	Roadway Construction Stakes
1190	907-619-E3001		4	Each	Changeable Message Sign
1192	907-630-L001		1	Lump Sum	Pedestal Sign Support, Assembly No 1, Contractor Designed
1194	907-630-M001		1	Lump Sum	Post Sign Support, Assembly No 1, Contractor Designed
1196	907-630-M002		1	Lump Sum	Post Sign Support, Assembly No 2, Contractor Designed
1198	907-630-M003		1	Lump Sum	Post Sign Support, Assembly No 3, Contractor Designed
1200	907-632-A007		4	Each	Solid State Traffic Cabinet Assembly, Type III Cabinet, Type 1 Controller
1210	907-632-A010		3	Each	Solid State Traffic Cabinet Assembly, Type IV Cabinet, Type 1 Controller
1220	907-632-B007		3	Each	Remove and Replace Existing Traffic Signal Cabinet Assembly, Type III Cabinet, Type 1 Controller
1230	907-632-D001		4	Each	Solid State Traffic Actuated Controller, Type 1
1240	907-632-J001		7	Each	Power Service Pedestal
1250	907-633-A001		3	Each	Uninterruptable Power Supply
1260	907-634-A045		3	Each	Traffic Signal Equipment Pole, Type II(L), 30' Shaft, 45' Arm
1270	907-634-A046		1	Each	Traffic Signal Equipment Pole, Type II(L), 30' Shaft, 50' Arm
1280	907-634-A047		2	Each	Traffic Signal Equipment Pole, Type II(L), 30' Shaft, 55' Arm

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
1290	907-634-A048		1	Each	Traffic Signal Equipment Pole, Type II(L), 30' Shaft, 60' Arm
1300	907-634-A050		4	Each	Traffic Signal Equipment Pole, Type II(L), 30' Shaft, 70' Arm
1310	907-634-A051		3	Each	Traffic Signal Equipment Pole, Type II(L), 30' Shaft, 75' Arm
1320	907-634-A053		1	Each	Traffic Signal Equipment Pole, Type II(L), 30' Shaft, 85' Arm
1330	907-634-A054		1	Each	Traffic Signal Equipment Pole, Type II(L), 30' Shaft, 90' Arm
1340	907-634-A063		3	Each	Traffic Signal Equipment Pole, Type II(L), 40' Shaft, 55' Arm
1350	907-634-A070		1	Each	Traffic Signal Equipment Pole, Type II(L), 40' Shaft, 90' Arm
1360	907-634-A107		1	Each	Traffic Signal Equipment Pole, Type II, 22' Shaft, 40' Arm
1370	907-634-A110		1	Each	Traffic Signal Equipment Pole, Type II, 22' Shaft, 55' Arm
1380	907-634-A112		1	Each	Traffic Signal Equipment Pole, Type II, 22' Shaft, 65' Arm
1390	907-634-A144		1	Each	Traffic Signal Equipment Pole, Type II, 40' Shaft, 55' Arm
1400	907-634-A340		1	Each	Traffic Signal Equipment Pole, Type III(L), 40' Shaft, 50' & 70' Arm
1410	907-634-A545		3	Each	Traffic Signal Equipment Pole, Type VI, 8' Shaft
1420	907-634-C002		109	Cubic Yard	Pole Foundations, Class "DS" Concrete
1430	907-634-D003		330	Linear Feet	Slip Casing, 36" Diameter
1440	907-634-D004		45	Linear Feet	Slip Casing, 48" Diameter
1450	907-634-E001		2	Each	Camera Pole with Foundation, 50' Pole
1460	907-634-I001		2	Each	Wood Pole, Class II Height 40'
1470	907-636-B003		3,628	Linear Feet	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 10, 2 Conductor
1480	907-636-B006		1,839	Linear Feet	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 12, 4 Conductor
1490	907-636-B014		1,038	Linear Feet	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 14, 5 Conductor
1500	907-636-B016		4,561	Linear Feet	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 14, 8 Conductor
1510	907-636-B028		1,502	Linear Feet	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 8, 3 Conductor
1520	907-636-B050		2,410	Linear Feet	Electric Cable, Underground in Conduit, THHN, AWG #4, 3 Conductor
1530	907-636-B053		1,080	Linear Feet	Electric Cable, Underground in Conduit, THHN, AWG #6, 3 Conductor
1540	907-636-D001		1,215	Linear Feet	Electric Cable, Aerial Supported in Conduit, IMSA 20-1, AWG 10, 2 Conductor
1550	907-636-D006		32	Linear Feet	Electric Cable, Aerial Supported in Conduit, IMSA 20-1, AWG 14, 5 Conductor
1560	907-636-D008		2,506	Linear Feet	Electric Cable, Aerial Supported in Conduit, IMSA 20-1, AWG 14, 8 Conductor
1570	907-637-A001		28	Each	Pullbox Enclosure, Type 1
1580	907-637-A002		42	Each	Pullbox Enclosure, Type 2
1590	907-637-A003		7	Each	Pullbox Enclosure, Type 3
1600	907-637-A004		35	Each	Pullbox Enclosure, Type 4
1610	907-637-A005		29	Each	Pullbox Enclosure, Type 5


Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
1620	907-637-B001		6	Each	Pull Box Enclosure, Structure Mounted, Type 1
1630	907-637-C009		4,380	Linear Feet	Traffic Signal Conduit, Underground, Rolled Pipe, 2"
1640	907-637-C026		60	Linear Feet	Traffic Signal Conduit, Underground, Type 4, 1"
1650	907-637-C028		5,932	Linear Feet	Traffic Signal Conduit, Underground, Type 4, 2"
1660	907-637-C030		190	Linear Feet	Traffic Signal Conduit, Underground, Type 4, 3"
1670	907-637-D002		2,168	Linear Feet	Traffic Signal Conduit, Underground Drilled or Jacked, Rolled Pipe, 2"
1680	907-637-D003		3,270	Linear Feet	Traffic Signal Conduit, Underground Drilled or Jacked, Rolled Pipe, 3"
1690	907-637-F005		625	Linear Feet	Traffic Signal Conduit, Aerial Supported, Type 1, 2"
1700	907-637-H001		19,015	Linear Feet	Traffic Signal Conduit Bank, Underground, Rolled Pipe, 2 @ 2"
1710	907-637-I001		9,405	Linear Feet	Traffic Signal Conduit Bank, Underground, Drilled or Jacked, Rolled Pipe, 2 @ 2"
1720	907-637-K001		5,910	Linear Feet	Traffic Signal Conduit Bank, Aerial Supported, Type 1, 2 @ 2"
1730	907-639-B001		36	Each	Type 1 Optical Detector
1740	907-639-C001		7,113	Linear Feet	Type 1 Optical Detector Cable
1750	907-639-D001		10	Each	Multimode Phase Selector
1760	907-640-A001		13,885	Linear Feet	Vehicle Loop Assemblies
1770	907-640-B001		25,026	Linear Feet	Shielded Cable, AWG #14, 2 Conductor
1780	907-640-C002		30	Each	Loop Detector Amplifier, 4 Channel
1790	907-645-B001		4	Each	Accessible Pedestrian Detection Assembly
1800	907-650-A002		15	Each	On Street Video Equipment, Fixed Type
1810	907-650-A003		12	Each	On Street Video Equipment, PTZ Type
1820	907-653-B001		261	Square Feet	Street Name Sign
1822	907-659-A001		1	Lump Sum	Traffic Management Center Modifications
1830	907-661-A004		28,025	Linear Feet	Fiber Optic Cable, 72 SM
1840	907-661-A006		5,910	Linear Feet	Fiber Optic Cable, Aerial, 72 SM
1850	907-661-A007		625	Linear Feet	Fiber Optic Cable, Aerial, 12 SM
1860	907-661-B002		2,525	Linear Feet	Fiber Optic Drop Cable, 12 SM
1870	907-662-D002		3	Each	Radio Interconnect, Broadband, Short Range
1880	907-663-A001		20	Each	Network Switch, Type A
1890	907-663-A002		1	Each	Network Switch, Type B
1900	907-663-D001		125	Linear Feet	Category 6 Cable, Installed in Conduit
1910	907-666-A001		4	Each	Bluetooth Detection System, Type A
1920	907-899-A001		1	Lump Sum	Railway-Highway Provisions
1930	907-906001		1,040	Hours	Trainees [\$5.00]

ALTERNATE GROUP AA NUMBER 1

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
1940	304-F001	(GT)	16,300	Ton	3/4" and Down Crushed Stone Base
ALTERNATE GROUP AA NUMBER 2					
1950	304-F002	(GT)	16,300	Ton	Size 610 Crushed Stone Base
ALTERNATE GROUP AA NUMBER 3					
1960	304-F003	(GT)	16,300	Ton	Size 825B Crushed Stone Base

ADDENDUM

DESCRIPTION OF SHEET

ROADWAY (172) 

TITLE SHEET (1)

DETAILED INDEX & GENERAL NOTES (6)

- DETAILED INDEX
- DETAILED INDEX
- DETAILED INDEX
- DETAILED INDEX
- GENERAL NOTES
- GENERAL NOTES

TYPICAL SECTION SHEETS (8)

- TYPICAL SECTION - U.S. 90
- TYPICAL SECTION - U.S. 90
- TYPICAL SECTION - U.S. 90
- TYPICAL SECTION - U.S. 90
- TYPICAL SECTION - U.S. 90
- TYPICAL SECTION - U.S. 90
- TYPICAL SECTION - U.S. 90
- TYPICAL SECTION - LOCAL ROADS

QUANTITY SHEETS (17)

- SUMMARY OF QUANTITIES
- SUMMARY OF QUANTITIES
- SUMMARY OF QUANTITIES
- SUMMARY OF QUANTITIES
- SUMMARY OF QUANTITIES
- ESTIMATED QUANTITIES - CURB AND GUTTER
- ESTIMATED QUANTITIES - DRAINAGE STRUCTURES AND JUNCTION BOXES
- ESTIMATED QUANTITIES - REMOVAL ITEMS AND EARTHWORK
- ESTIMATED QUANTITIES - PAVEMENT MARKINGS, PAVING QUANTITIES AND GUARDRAIL
- ESTIMATED QUANTITIES - TRAFFIC CONTROL ITEMS
- ESTIMATED QUANTITIES - TRAFFIC CONTROL SIGNS
- ESTIMATED QUANTITIES - ITS ITEMS
- ESTIMATED QUANTITIES - TRAFFIC SIGNALS
- ESTIMATED QUANTITIES - DIRECTIONAL SIGNS
- ESTIMATED QUANTITIES - STANDARD ROADSIDE SIGNS
- ESTIMATED QUANTITIES - STANDARD ROADSIDE SIGN ASSEMBLIES
- ESTIMATED QUANTITIES - STANDARD ROADSIDE SIGN ASSEMBLIES

PLAN AND PROFILE SHEETS (20)

- U.S. 90 STA. 270+00 TO STA. 300+00
- MARKET STREET
- U.S. 90 STA. 300+00 TO STA. 330+00
- U.S. 90 STA. 330+00 TO STA. 360+00
- HOSPITAL STREET
- U.S. 90 STA. 360+00 TO STA. 390+00
- CHICOT STREET
- FRONTAGE ROAD
- U.S. 90 STA. 390+00 TO STA. 420+00
- VETERANS BOULEVARD
- WALMART DRIVE
- FRONTAGE ROAD
- U.S. 90 STA. 420+00 TO STA. 450+00
- U.S. 90 STA. 450+00 TO STA. 480+00
- U.S. 90 STA. 480+00 TO STA. 510+00
- FREDERICK AVENUE
- KREOLE AVENUE
- CHEVRON DRIVE
- FRONTAGE ROAD
- U.S. 90 STA. 510+00 TO STA. 521+04.66

DESCRIPTION OF SHEET

SPECIAL DESIGN - ROADWAY ITEMS (120) 

- DRAINAGE DETAIL - U.S. 90
- DRAINAGE DETAIL - U.S. 90 & HOSPITAL ST.
- DRAINAGE DETAIL - U.S. 90
- DRAINAGE DETAIL - U.S. 90
- DRAINAGE DETAIL - U.S. 90
- DRAINAGE DETAIL - U.S. 90
- DRAINAGE DETAIL - U.S. 90
- INTERSECTION DETAILS - U.S. 90 AT STA. 303+00
- INTERSECTION DETAILS - U.S. 90 AT VICTOR ST.
- INTERSECTION DETAILS - U.S. 90 AT STA. 330+00
- INTERSECTION DETAILS - U.S. 90 AT HOSPITAL ST.
- INTERSECTION DETAILS - U.S. 90 AT STA. 357+50
- INTERSECTION DETAILS - U.S. 90 AT STA. 367+00
- INTERSECTION DETAILS - U.S. 90 AT CHICOT ST.
- INTERSECTION DETAILS - U.S. 90 AT STA. 387+00
- INTERSECTION DETAILS - U.S. 90 AT VETERANS BLVD.
- INTERSECTION DETAILS - U.S. 90 AT WALMART DR.
- INTERSECTION DETAILS - U.S. 90 AT STA. 414+50
- INTERSECTION DETAILS - U.S. 90 AT STA. 432+00
- INTERSECTION DETAILS - U.S. 90 AT STA. 465+50
- INTERSECTION DETAILS - U.S. 90 AT STA. 486+00
- INTERSECTION DETAILS - U.S. 90 AT FREDERICK AVE. & KREOLE AVE.
- INTERSECTION DETAILS - U.S. 90 AT CHEVRON DR.
- FORM GRADE - U.S. 90 AT STA. 303+00
- FORM GRADE - U.S. 90 AT STA. 330+00
- FORM GRADE - U.S. 90 AT HOSPITAL ST.
- FORM GRADE - U.S. 90 AT STA. 357+50
- FORM GRADE - U.S. 90 AT STA. 366+50
- FORM GRADE - U.S. 90 AT STA. 386+90
- FORM GRADE - U.S. 90 AT STA. 414+50
- FORM GRADE - U.S. 90 AT STA. 432+00
- FORM GRADE - U.S. 90 AT STA. 465+50
- FORM GRADE - U.S. 90 AT STA. 486+00
- PAVEMENT MARKING DETAIL - U.S. 90: STA. 301+88 TO STA. 315+00
- PAVEMENT MARKING DETAIL - U.S. 90: STA. 315+00 TO STA. 330+00
- PAVEMENT MARKING DETAIL - U.S. 90: STA. 330+00 TO STA. 345+00
- PAVEMENT MARKING DETAIL - U.S. 90: STA. 345+00 TO STA. 360+00
- PAVEMENT MARKING DETAIL - U.S. 90: STA. 360+00 TO STA. 375+00
- PAVEMENT MARKING DETAIL - U.S. 90: STA. 375+00 TO STA. 390+00
- PAVEMENT MARKING DETAIL - U.S. 90: STA. 390+00 TO STA. 405+00
- PAVEMENT MARKING DETAIL - U.S. 90: STA. 405+00 TO STA. 420+00
- PAVEMENT MARKING DETAIL - U.S. 90: STA. 420+00 TO STA. 435+00
- PAVEMENT MARKING DETAIL - U.S. 90: STA. 435+00 TO STA. 450+00
- PAVEMENT MARKING DETAIL - U.S. 90: STA. 450+00 TO STA. 465+00
- PAVEMENT MARKING DETAIL - U.S. 90: STA. 465+00 TO STA. 480+00
- PAVEMENT MARKING DETAIL - U.S. 90: STA. 480+00 TO STA. 495+00
- PAVEMENT MARKING DETAIL - U.S. 90: STA. 495+00 TO STA. 510+00
- PAVEMENT MARKING DETAIL - U.S. 90: STA. 510+00 TO STA. 513+00

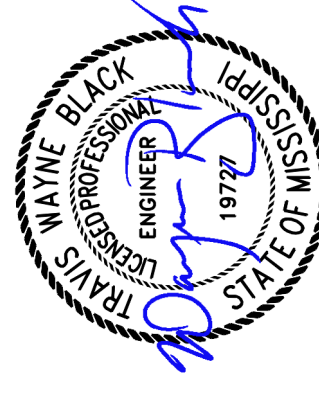
REVISION DATE

WKG. NO.

SH. NO.

STATE	PROJECT NO.
MISS.	HSIP-0003-01(189)

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
DETAILED INDEX	
U.S. 90	
COUNTY: JACKSON	
PROJ. NUM.: HSIP-0003-01(189)	
FILENAME: DL_SH.DGN	WORKING NUMBER
DESIGN TEAM	GARVER
CHECKED	TWB
DATE	DATE
17/4/19	2019
ADOPTED SHEET	SHEET NUMBER
	DI-1
	2



08/16/2019
ROADWAY



03/12/2019
TRAFFIC SIGNALS



08/16/2019
ITS

GARVER, LLC		
PS & E PLANS-DATE 03/12/2019		
FMS CON. # 106778/301000		
REVISIONS		
DATE	SHEET NO.	BY
07/24/19	2, 3, 5, 172	TWB
08/16/19	18, 19, 20, 27	TWB

ADDENDUM

STATE	PROJECT NO.
MISS	HSIP-0003-01(189)

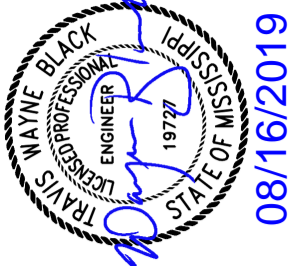
SUMMARY OF QUANTITIES (SHEET 3)

PAY ITEM NO.	PAY ITEM	UNIT	JACKSON : 106778-301000	
			Prelim	Final
626-C002	6" Thermoplastic Double Drop Edge Stripe, Continuous White	MI	7	
626-E003	6" Thermoplastic Traffic Stripe, Continuous Yellow	LF	1,620	
626-F001	6" Thermoplastic Double Drop Edge Stripe, Continuous Yellow	MI	4	
626-G002	Thermoplastic Detail Stripe, White	LF	49,326	
626-G003	Thermoplastic Detail Stripe, Yellow	LF	20,708	
626-H004	Thermoplastic Legend, White	SF	4,587	
626-H005	Thermoplastic Legend, White	LF	6,485	
627-K001	Red-Clear Reflective High Performance Raised Markers	EA	1,968	
627-L001	Two-Way Yellow Reflective High Performance Raised Markers	EA	8	
630-A001	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness	SF	1,534	
630-A003	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness	SF	394	
630-B002	Interstate Directional Signs, Bolted Extruded Aluminum Panels, Ground Mounted	SF	184	
630-C002	Steel U-Section Posts, 2.0 lb/ft	LF	10	
630-C003	Steel U-Section Posts, 3.0 lb/ft	LF	2,574	
630-D008	Structural Steel Beams, W6 x 9	LF	340	
630-E002	Structural Steel Angles & Bars, 3" x 3" x 1/4" Angles	LBS	330	
630-E004	Structural Steel Angles & Bars, 7/16" x 2 1/2" Flat Bar	LBS	930	
630-G007	Type 3 Object Markers, OM-3R, Post Mounted	EA	4	
630-K001	Welded & Seamless Steel Pipe Posts, 3 1/2"	LF	802	
630-K002	Welded & Seamless Steel Pipe Posts, 3"	LF	35	
630-K003	Welded & Seamless Steel Pipe Posts, 4"	LF	18	
907-630-L001	Pedestal Sign Support, Assembly No 1, Contractor Designed	LS	1	
907-630-M001	Post Sign Support, Assembly No 1, Contractor Designed	LS	1	
907-630-M002	Post Sign Support, Assembly No 2, Contractor Designed	LS	1	
907-630-M003	Post Sign Support, Assembly No 3, Contractor Designed	LS	1	
907-632-A007	Solid State Traffic Cabinet Assembly, Type III Cabinet, Type 1 Controller	EA	4	②
907-632-A010	Solid State Traffic Cabinet Assembly, Type IV Cabinet, Type 1 Controller	EA	3	① ②
907-632-B007	Remove and Replace Existing Traffic Signal Cabinet Assembly, Type III Cabinet, Type 1 Controller	EA	3	② ④
907-632-D001	Solid State Traffic Actuated Controller, Type 1	EA	4	② ③
907-632-J001	Power Service Pedestal	EA	7	
907-633-A001	Uninterruptable Power Supply	EA	3	①
907-634-A045	Traffic Signal Equipment Pole, Type II(L), 30' Shaft, 45' Arm	EA	3	
907-634-A046	Traffic Signal Equipment Pole, Type II(L), 30' Shaft, 50' Arm	EA	1	
907-634-A047	Traffic Signal Equipment Pole, Type II(L), 30' Shaft, 55' Arm	EA	2	
907-634-A048	Traffic Signal Equipment Pole, Type II(L), 30' Shaft, 60' Arm	EA	1	
907-634-A050	Traffic Signal Equipment Pole, Type II(L), 30' Shaft, 70' Arm	EA	4	
907-634-A051	Traffic Signal Equipment Pole, Type II(L), 30' Shaft, 75' Arm	EA	3	
907-634-A053	Traffic Signal Equipment Pole, Type II(L), 30' Shaft, 85' Arm	EA	1	
907-634-A054	Traffic Signal Equipment Pole, Type II(L), 30' Shaft, 90' Arm	EA	1	
907-634-A063	Traffic Signal Equipment Pole, Type II(L), 40' Shaft, 55' Arm	EA	3	
907-634-A070	Traffic Signal Equipment Pole, Type II(L), 40' Shaft, 90' Arm	EA	1	
907-634-A107	Traffic Signal Equipment Pole, Type II, 22' Shaft, 40' Arm	EA	1	
907-634-A110	Traffic Signal Equipment Pole, Type II, 22' Shaft, 55' Arm	EA	1	
907-634-A112	Traffic Signal Equipment Pole, Type II, 22' Shaft, 65' Arm	EA	1	

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①

- ① LOCATED AT HOSPITAL, CHICOT, AND CHEVRON.
- ② ALL OPERATOR ENTERED DATA SHALL BE STORED AND BACKED UP ON A FLASH MEMORY DRIVE PROVIDED WITH THE CONTROLLER UNIT AT NO ADDITIONAL COST.
- ③ REPLACE THE EXISTING SIGNAL CONTROLLERS AT MS 63 AT SHORTCUT, FREDERICK, MLK, AND GRIERSON. SALVAGE THE EXISTING CONTROLLERS TO MDOT.
- ④ LOCATED AT 14TH, 63 NB RAMP, AND 63 SB RAMP. REUSE EXISTING FOUNDATION FOR CABINETS. ALL OTHER EQUIPMENT SHALL BE NEW.



TWB	Revision	 08/16/2019 Working Number SQ-3
ADDED PAY ITEMS		
MISSISSIPPI DEPARTMENT OF TRANSPORTATION SUMMARY OF QUANTITIES		PROJ NO: HSIP-0003-01(189) COUNTY: JACKSON
FILENAME: sqs Design Team GARVER		Sheet Number 18
Checked TWB		Date AUG.2019

ADDENDUM

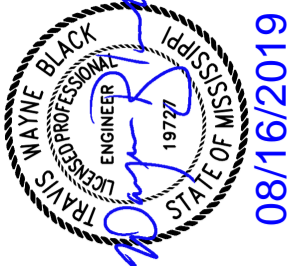
STATE	PROJECT NO.
MISS	HSIP-0003-01(189)

SUMMARY OF QUANTITIES (SHEET 4)

PAY ITEM NO.	PAY ITEM	UNIT	JACKSON : 106778-301000	
			Prelim	Final
907-634-A144	Traffic Signal Equipment Pole, Type II, 40' Shaft, 55' Arm	EA	1	1
907-634-A340	Traffic Signal Equipment Pole, Type III(L), 40' Shaft, 50' & 70' Arm	EA	1	1
907-634-A545	Traffic Signal Equipment Pole, Type VI, 8' Shaft	EA	3	3
907-634-C002	Pole Foundations, Class "DS" Concrete	CY	109	109
907-634-D003	Slip Casing, 36" Diameter	LF	330	330
907-634-D004	Slip Casing, 48" Diameter	LF	45	45
907-634-E001	Camera Pole with Foundation, 50' Pole	EA	2	2
907-634-I001	Wood Pole, Class II Height 40'	EA	2	2
635-A059	Traffic Signal Head, Type 1	EA	73	73
635-A061	Traffic Signal Head, Type 2	EA	13	13
635-A065	Traffic Signal Head, Type 2 FYA	EA	15	15
635-A070	Traffic Signal Head, Type 3	EA	2	2
635-A073	Traffic Signal Head, Type 4	EA	4	4
635-A074	Traffic Signal Head, Type 4R	EA	4	4
635-A076	Traffic Signal Head, Type 6	EA	4	4
907-636-B003	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 10, 2 Conductor	LF	3,628	3,628
907-636-B006	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 12, 4 Conductor	LF	1,839	1,839
907-636-B014	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 14, 5 Conductor	LF	1,038	1,038
907-636-B016	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 14, 8 Conductor	LF	4,561	4,561
907-636-B028	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 8, 3 Conductor	LF	1,502	1,502
907-636-B050	Electric Cable, Underground in Conduit, THHN, AWG #4, 3 Conductor	LF	2,410	2,410
907-636-B053	Electric Cable, Underground in Conduit, THHN, AWG #6, 3 Conductor	LF	1,080	1,080
907-636-D001	Electric Cable, Aerial Supported in Conduit, IMSA 20-1, AWG 10, 2 Conductor	LF	1,215	1,215
907-636-D006	Electric Cable, Aerial Supported in Conduit, IMSA 20-1, AWG 14, 5 Conductor	LF	32	32
907-636-D008	Electric Cable, Aerial Supported in Conduit, IMSA 20-1, AWG 14, 8 Conductor	LF	2,506	2,506
907-637-A001	Pullbox Enclosure, Type 1	EA	28	28
907-637-A002	Pullbox Enclosure, Type 2	EA	42	42
907-637-A003	Pullbox Enclosure, Type 3	EA	7	7
907-637-A004	Pullbox Enclosure, Type 4	EA	35	35
907-637-A005	Pullbox Enclosure, Type 5	EA	29	29
907-637-B001	Pull Box Enclosure, Structure Mounted, Type 1	EA	6	6
907-637-C009	Traffic Signal Conduit, Underground, Rolled Pipe, 2"	LF	4,380	4,380
907-637-C026	Traffic Signal Conduit, Underground, Type 4, 1"	LF	60	60
907-637-C028	Traffic Signal Conduit, Underground, Type 4, 2"	LF	5,932	5,932
907-637-C030	Traffic Signal Conduit, Underground, Type 4, 3"	LF	190	190
907-637-D002	Traffic Signal Conduit, Underground Drilled or Jacked, Rolled Pipe, 2"	LF	2,168	2,168
907-637-D003	Traffic Signal Conduit, Underground Drilled or Jacked, Rolled Pipe, 3"	LF	3,270	3,270
907-637-F005	Traffic Signal Conduit, Aerial Supported, Type 1, 2"	LF	625	625
907-637-H001	Traffic Signal Conduit Bank, Underground, Rolled Pipe, 2 @ 2"	LF	19,015	19,015
907-637-I001	Traffic Signal Conduit Bank, Underground, Drilled or Jacked, Rolled Pipe, 2 @ 2"	LF	9,405	9,405
907-637-K001	Traffic Signal Conduit Bank, Aerial Supported, Type 1, 2 @ 2"	LF	5,910	5,910
638-A006	Flasher Assembly, Prepare To Stop	EA	3	3
907-639-B001	Type 1 Optical Detector	EA	36	36
907-639-C001	Type 1 Optical Detector Cable	LF	7,113	7,113

- ① QUANTITY FOR ITS
- ② INCLUDES 25 EA FOR TRAFFIC SIGNALS AND 17 EA FOR ITS
- ③ INCLUDES 888 LF FOR TRAFFIC SIGNALS AND 1280 FOR ITS



MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
SUMMARY OF QUANTITIES	
	Working Number SQ-4
08/16/2019	
PROJ NO: HSIP-0003-01(189)	
COUNTY: JACKSON	
Design Team GARVER	Checked TMB
Date AUG 2019	Sheet Number 19

TMB	Revision
08/2019	REPLACED SHEET

FILENAME: sqs

ADDENDUM

STATE	PROJECT NO.
MISS	HSIP-0003-01(189)

SUMMARY OF QUANTITIES (SHEET 5)

PAY ITEM NO.	PAY ITEM	UNIT	JACKSON : 106778-301000	
			Prelim	Final
907-639-D001	Multimode Phase Selector	EA	10	
907-640-A001	Vehicle Loop Assemblies	LF	13,885	
907-640-B001	Shielded Cable, AWG #14, 2 Conductor	LF	25,026	
907-640-C002	Loop Detector Amplifier, 4 Channel	EA	30	
907-645-B001	Accessible Pedestrian Detection Assembly	EA	4	
646-C001	LED Blank-Out Sign	EA	6	
647-A001	Removal of Existing Traffic Signal Equipment	LS	1	(2)
907-650-A002	On Street Video Equipment, Fixed Type	EA	15	(1)
907-650-A003	On Street Video Equipment, PTZ Type	EA	12	(1)
907-653-B001	Street Name Sign	SF	261	
656-A002	Dynamic Message Sign, Type 2	EA	1	(1)
656-A003	Dynamic Message Sign, Type 3	EA	3	(1)
907-659-A001	Traffic Management Center Modifications	LS	1	
660-A003	Equipment Cabinet, Type B	EA	7	(1)
660-A004	Equipment Cabinet, Type C	EA	1	(1)
907-661-A004	Fiber Optic Cable, 72 SM	LF	28,025	(1)
907-661-A006	Fiber Optic Cable, Aerial, 72 SM	LF	5,910	(1)
907-661-A007	Fiber Optic Cable, Aerial, 12 SM	LF	625	(1)
907-661-B002	Fiber Optic Drop Cable, 12 SM	LF	2,525	(1)
907-662-D002	Radio Interconnect, Broadband, Short Range	EA	3	(1)
907-663-A001	Network Switch, Type A	EA	20	(1)
907-663-A002	Network Switch, Type B	EA	1	(1)
907-663-D001	Category 6 Cable, Installed in Conduit	LF	125	(1)
907-666-A001	Bluetooth Detection System, Type A	EA	4	(1)
699-A001	Roadway Construction Stakes	LS	1	
907-899-A001	Railway-Highway Provisions	LS	1	

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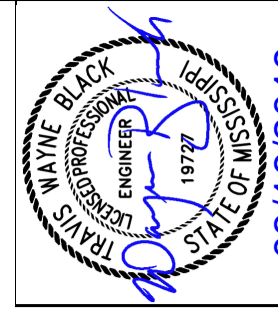
1 QUANTITY FOR ITS

2 INCLUDES THE REMOVAL OF ALL EXISTING TRAFFIC SIGNAL EQUIPMENT. THE CABINETS, CONTROLLERS, MMUS, COMMUNICATION EQUIPMENT, DETECTION EQUIPMENT, ETC. SHALL BE SALVAGED TO THE CITY OF PASCAGOULA OR MDOT AS PER PLANS

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TW	Revision	08/16/2019	08/16/2019
ADDED PAY ITEMS	By	Working Number	Working Number
		COUNTY: JACKSON	SQ-5
08/2019	Date	FILENAME: sqs	Sheet Number
	Design Team	GARVER	20
	Checked	TWB	Date
		AUG.2019	

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES**



PROJ NO: HSIP-0003-01(189)
COUNTY: JACKSON

FILENAME: sqs

Design Team: GARVER
Checked: TWB
Date: AUG.2019

