

**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>10/16/2023</u>	ADDENDUM NO. _____	DATED _____
ADDENDUM NO. <u>2</u>	DATED <u>11/14/2023</u>	ADDENDUM NO. _____	DATED _____
ADDENDUM NO. _____	DATED _____	ADDENDUM NO. _____	DATED _____

Number	Description
1	Revised Table of Contents; Added NTB No. 5440; Revised 1273 w/ Supplement; SP No. 907-643-5 replaces SP No. 907-643-4; Revised Sections 902 & 903; Amendment EBSx Download Required.
2	Revised NTB Nos. 5319 & 5440; Revised Bid Items; Revised or Added Plan Sheet Nos. 2, 25-26, 47, 62-63; Amendment EBSx Download Required.

TOTAL ADDENDA: 2  
 (Must agree with total addenda issued prior to opening of bids)

Respectfully Submitted,

DATE \_\_\_\_\_

\_\_\_\_\_  
 Contractor

BY \_\_\_\_\_  
 Signature

TITLE \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY, STATE, ZIP \_\_\_\_\_

PHONE \_\_\_\_\_

FAX \_\_\_\_\_

E-MAIL \_\_\_\_\_

(To be filled in if a corporation)

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

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

The following is my (our) itemized proposal.  
 BRNH-0008-01(154)/ 102111301000  
 Harrison County(ies)

Revised 01/26/2016

# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 5319

DATE: 11/13/2023

SUBJECT: Specialty Items

PROJECT: BRNH-0008-01(154)/102111301 - HARRISON

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

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Line No	Pay Item	Description
0930	609-B002	Concrete Curb, Header
0940	609-D003	Combination Concrete Curb and Gutter Type 2
0950	609-D004	Combination Concrete Curb and Gutter Type 2 Modified
0960	609-D012	Combination Concrete Curb and Gutter Type 3A Modified

## CATEGORY: DISPOSAL OF BUILDINGS, RIGHT OF WAY CLEARING & GRUBBING

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Line No	Pay Item	Description
0170	202-B240	Removal of Traffic Stripe

## CATEGORY: EROSION CONTROL

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Line No	Pay Item	Description
0250	213-C001	Superphosphate
0260	216-A001	Solid Sodding
0270	217-A001	Ditch Liner
0280	219-A001	Watering
0290	220-A001	Insect Pest Control
0300	223-A001	Mowing
0310	225-A001	Grassing
0320	225-B001	Agricultural Limestone
0330	225-C001	Mulch, Vegetative Mulch
0340	226-A001	Temporary Grassing
0350	235-A001	Temporary Erosion Checks
0360	236-A008	Silt Basin, Type D
0370	236-B004	Maintenance and Removal of Existing Silt Basins, Type D
0380	237-A002	Wattles, 20"
0390	246-B001	Rockbags
1630	907-234-A001	Temporary Silt Fence
1640	907-234-D001	Inlet Siltation Guard
1650	907-240-A001	Interlocking Flexible Block Erosion Control System

CATEGORY: GUARDRAIL, GUIDERAIL

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Line No	Pay Item	Description
0870	606-B002	Guard Rail, Class A, Type 1, 'W' Beam
0880	606-B009	Guard Rail, Class A, Type 1, Metal Post
0900	606-C003	Guard Rail, Cable Anchor, Type 1
0910	606-E001	Guard Rail, Terminal End Section

CATEGORY: INTELLIGENT TRANSPORTATION SYSTEMS

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Line No	Pay Item	Description
2180	907-659-A001	Traffic Management Center Modifications

CATEGORY: MISCELLANEOUS/ SPECIALTY WORK ITEMS

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Line No	Pay Item	Description
0460	423-A001	Rumble Strips, Ground In

CATEGORY: PAVEMENT STRIPING AND MARKING

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Line No	Pay Item	Description
1190	626-A001	6" Thermoplastic Double Drop Traffic Stripe, Skip White
1200	626-C002	6" Thermoplastic Double Drop Edge Stripe, Continuous White
1210	626-D002	6" Thermoplastic Double Drop Traffic Stripe, Skip Yellow
1220	626-E002	6" Thermoplastic Double Drop Traffic Stripe, Continuous Yellow
1230	626-F001	6" Thermoplastic Double Drop Edge Stripe, Continuous Yellow
1240	626-G004	Thermoplastic Double Drop Detail Stripe, White
1250	626-G005	Thermoplastic Double Drop Detail Stripe, Yellow
1260	626-H001	Thermoplastic Double Drop Legend, White
1270	626-H002	Thermoplastic Double Drop Legend, White
1280	627-J001	Two-Way Clear Reflective High Performance Raised Markers
1290	627-K001	Red-Clear Reflective High Performance Raised Markers
1300	627-L001	Two-Way Yellow Reflective High Performance Raised Markers

CATEGORY: SURVEY AND STAKING

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Line No	Pay Item	Description
1580	699-A001	Roadway Construction Stakes

CATEGORY: TRAFFIC CONTROL - PERMANENT

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Line No	Pay Item	Description
1310	630-A001	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness
1320	630-A003	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness
1330	630-B002	Interstate Directional Signs, Bolted Extruded Aluminum Panels, Ground Mounted
1340	630-B003	Interstate Directional Signs, Bolted Extruded Aluminum Panels, Overhead Mounted
1350	630-C001	Square Tube Posts, 4.0 lb/ft

CATEGORY: TRAFFIC CONTROL - PERMANENT

Line No	Pay Item	Description
1360	630-C003	Steel U-Section Posts, 3.0 lb/ft
1370	630-D006	Structural Steel Beams, W6 x 12
1380	630-D007	Structural Steel Beams, W6 x 15
1390	630-D008	Structural Steel Beams, W6 x 9
1400	630-E001	Structural Steel Angles & Bars, 3 1/2" x 3 1/2" x 1/4" Angles
1410	630-E004	Structural Steel Angles & Bars, 7/16" x 2 1/2" Flat Bar
1420	630-F003	Delineators, Flexible Post Mounted, Crossover, Type II
1430	630-F006	Delineators, Guard Rail, White
1440	630-F011	Delineators, Post Mounted, Double Yellow
1450	630-I003	Metal Overhead Sign Supports, Assembly No. 1, Contractor Designed
1460	630-I015	Metal Overhead Sign Supports, Assembly No. 2, Contractor Designed
1470	630-K001	Welded & Seamless Steel Pipe Posts, 3 1/2"
1480	630-K003	Welded & Seamless Steel Pipe Posts, 4"
1490	635-A059	Traffic Signal Head, Type 1
1500	635-A061	Traffic Signal Head, Type 2
1510	635-A065	Traffic Signal Head, Type 2 FYA
1520	635-A070	Traffic Signal Head, Type 3
1530	635-A073	Traffic Signal Head, Type 4
1540	638-A006	Flasher Assembly, Prepare To Stop
1550	647-A001	Removal of Existing Traffic Signal Equipment
1560	660-A003	Equipment Cabinet, Type B
1570	660-A004	Equipment Cabinet, Type C
1710	907-630-L001	Pedestal Sign Support, Assembly No 1, Contractor Designed
1720	907-630-L002	Pedestal Sign Support, Assembly No 2, Contractor Designed
1730	907-632-A010	Solid State Traffic Cabinet Assembly, Type IV Cabinet, Type 1 Controller
1740	907-632-C001	Modify Existing Traffic Signal Cabinet Assembly
1750	907-632-J001	Power Service Pedestal
1760	907-633-A001	Uninterruptable Power Supply
1770	907-634-A042	Traffic Signal Equipment Pole, Type II(L), 30' Shaft, 30' Arm
1780	907-634-A047	Traffic Signal Equipment Pole, Type II(L), 30' Shaft, 55' Arm
1790	907-634-A048	Traffic Signal Equipment Pole, Type II(L), 30' Shaft, 60' Arm
1800	907-634-A083	Traffic Signal Equipment Pole, Type II, 17' Shaft, 45' Arm
1810	907-634-A140	Traffic Signal Equipment Pole, Type II, 40' Shaft, 35' Arm
1820	907-634-A274	Traffic Signal Equipment Pole, Type III(L), 30' Shaft, 50' & 75' Arm
1830	907-634-A344	Traffic Signal Equipment Pole, Type III(L), 40' Shaft, 55' & 65' Arm
1840	907-634-C002	Pole Foundations, Class "DS" Concrete
1850	907-634-D003	Slip Casing, 36" Diameter
1860	907-634-E001	Camera Pole with Foundation, 50' Pole
1870	907-634-PP005	Traffic Signal Equipment Pole Air Ground
1880	907-636-B002	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 1/0, 4 Conductor
1890	907-636-B012	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 14, 3 Conductor
1900	907-636-B014	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 14, 5 Conductor

CATEGORY: TRAFFIC CONTROL - PERMANENT

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Line No	Pay Item	Description
1910	907-636-B016	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 14, 8 Conductor
1920	907-636-B038	Electric Cable, Underground in Conduit, THHN, AWG #10, 3 Conductor
1930	907-636-B053	Electric Cable, Underground in Conduit, THHN, AWG #6, 3 Conductor
1940	907-636-D006	Electric Cable, Aerial Supported in Conduit, IMSA 20-1, AWG 14, 5 Conductor
1950	907-636-D008	Electric Cable, Aerial Supported in Conduit, IMSA 20-1, AWG 14, 8 Conductor
1960	907-636-D020	Electric Cable, Aerial Supported in Conduit, THHN, AWG #6, 3 Conductor
1970	907-637-A002	Pullbox Enclosure, Type 2
1980	907-637-A003	Pullbox Enclosure, Type 3
1990	907-637-A004	Pullbox Enclosure, Type 4
2000	907-637-A005	Pullbox Enclosure, Type 5
2010	907-637-C028	Traffic Signal Conduit, Underground, Type 4, 2"
2020	907-637-C030	Traffic Signal Conduit, Underground, Type 4, 3"
2030	907-637-D002	Traffic Signal Conduit, Underground Drilled or Jacked, Rolled Pipe, 2"
2040	907-637-D003	Traffic Signal Conduit, Underground Drilled or Jacked, Rolled Pipe, 3"
2050	907-637-I001	Traffic Signal Conduit Bank, Underground, Drilled or Jacked, Rolled Pipe, 2 @ 2"
2060	907-637-K001	Traffic Signal Conduit Bank, Aerial Supported, Type 1, 2 @ 2"
2070	907-639-J001	Type 3 Intersection Device
2080	907-643-A004	Video Vehicle Detection Sensor, Type 1A
2090	907-643-B001	Video Vehicle Detection Cable
2100	907-643-E001	Multi-Sensor Vehicle Detection Sensor
2110	907-643-F001	Multi-Sensor Vehicle Detection Cable
2120	907-650-A002	On Street Video Equipment, Fixed Type
2130	907-650-A003	On Street Video Equipment, PTZ Type
2140	907-650-A004	On Street Video Equipment, PTZ Type, Signal Monitoring
2150	907-653-A001	Traffic Sign
2160	907-653-B001	Street Name Sign
2170	907-656-A002	Dynamic Message Sign, Type 2
2190	907-661-A004	Fiber Optic Cable, 72 SM
2200	907-661-B002	Fiber Optic Drop Cable, 12 SM
2210	907-663-A001	Network Switch, Type A
2220	907-663-A005	Network Switch, Type E
2230	907-663-D001	Category 6 Cable, Installed in Conduit

CATEGORY: TRAFFIC CONTROL - TEMPORARY

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Line No	Pay Item	Description
1040	619-A1001	Temporary Traffic Stripe, Continuous White
1050	619-A2001	Temporary Traffic Stripe, Continuous Yellow
1060	619-A3001	Temporary Traffic Stripe, Skip White
1070	619-A4001	Temporary Traffic Stripe, Skip Yellow
1080	619-A5001	Temporary Traffic Stripe, Detail
1090	619-A6001	Temporary Traffic Stripe, Legend
1100	619-A6002	Temporary Traffic Stripe, Legend

CATEGORY: TRAFFIC CONTROL - TEMPORARY

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Line No	Pay Item	Description
1110	619-D1001	Standard Roadside Construction Signs, Less than 10 Square Feet
1120	619-D2001	Standard Roadside Construction Signs, 10 Square Feet or More
1130	619-F1002	Portable Median Barrier
1140	619-F2002	Remove and Reset Portable Median Barrier
1150	619-G4005	Barricades, Type III, Single Faced
1160	619-G5001	Free Standing Plastic Drums
1170	619-G7001	Warning Lights, Type "B"
1700	907-619-E3001	Changeable Message Sign

# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

**SECTION 904 - NOTICE TO BIDDERS NO. 5440**

**CODE: (SP)**

**DATE: 11/02/2023**

**SUBJECT: Traffic Management Center (TMC) Modifications**

**PROJECT: BRNH-0008-01(154) / 102111301100 -- Harrison County**

Bidders are hereby advised that the following Communication Node and Traffic Management Center (TMC) Modifications will be required for this project.

The equipment, labor, and configuration required at termination and traffic signal cabinets that is not covered under the associated pay items below shall be considered incidental and paid for under 907-659; ITS Equipment Cabinets (907-660); Fiber Optic Cable (907-661-A or B); and Networking Equipment (907-663-A or D) Pay Items.

## **MDOT TMC Modifications**

**Site 1: The MDOT Statewide TMC is located at 401 North West Street, Jackson, MS, 39201. The center is in the MDOT Information Systems Division.**

**Site 2: Gulf Regional TMC – 16499 Hwy 49, Saucier, Mississippi (MDOT Lyman Project Office)**

**Scope of Work:** Traffic Management Center (TMC) Modifications is intended for the Contractor to assure that all communication is restored between all new, replaced, and existing signal/ITS equipment and the MDOT Statewide and Gulf Regional TMC's.

**IP Addresses:** The Contractor shall coordinate with MDOT for ip addresses on all networkable devices. MDOT requires a one month notice between the Contractor's request and delivery of addresses.

**Software:** The Contractor shall initially use vendor supplied software to test the Traffic Signal Controllers, Traffic Signal Software, On Street Video Equipment (CCTV), Dynamic Message Sign (DMS), and Networking Equipment, installed, interfaced or configured on this project and demonstrate full compliance with the contract requirements. The Contractor shall test each system using each of the proposed and/or existing communication routes from Site 1 (i.e., wireless, cellular, fiber optic cable, leased line, etc.). A minimum of Two (2) licensed copies of each system of the vendor supplied software must be provided to MDOT upon completion of the testing for each component.

**MDOT ATMS Software:** The Contractor shall update the licenses and license keys for the existing MDOT ATMS software to include all ITS devices, modified or provided by the Contractor under this project, and Traffic Signal Controllers having communications installed and/or configured by the Contractor under this project, for which the existing ATMS has modules and

device drivers. The Contractor is required to fully configure the existing ATMS software for operation, status monitoring, configuring, and control of all systems installed, interfaced, or configured on this project. At a minimum, this shall include:

- Update and configure the existing map with dynamic icons to show the locations of all ITS devices, modified or provided by the Contractor under this project, for which the existing ATMS has modules and device drivers.
- Install and configure all ITS devices modified or provided by the Contractor for which the existing ATMS has modules and device drivers, into the software's database.
- Provide configurations, licenses, and software required for data (raw, reports, and XML feeds) integration from all systems installed, interfaced, or configured on this project to ATMS and reporting software.
- Install and configure network systems to pass network data and video between field site devices and the MDOT TMC's.
- Configure the systems so the new devices shall send multiple bandwidth streams directly to the MDOT website and TMC video wall.
- Establish and maintain communications between all new, replaced, and existing ITS equipment installed or modified as part of this project and the MDOT TMC's.

The Contractor is required to arrange for the ATMS vendor to be on-site to complete this configuration and provide the required testing to show that the software is fully functioning for each system.

**Equipment:** The Contractor shall configure ip addresses provided by MDOT in all the networkable devices: traffic signal controllers, MMU's (conflict monitors), Dynamic Message Sign (DMS), network switches, multi-sensor / video detection platforms, type 3 intersection devices, uninterruptable power supplies (battery backups), and Signal Monitoring and ITS on-street video equipment.

Layout of the equipment shall be as directed and approved by the MDOT Project Engineer. Contractor must coordinate with the MDOT IT representative prior to installation of equipment.

- **Video Systems:** The Contractor shall provide, install, and integrate any equipment needed to support displaying and monitoring new video from this project in the MDOT TMC VDMS systems.
- **Network Switch Connections:** Network switches Type C, E, and F shall be shipped to MDOT for configuration. Ship network switches to:

Kerby McFarland  
Mississippi Department of Transportation  
Information Systems Division  
401 West St., Jackson, MS 392011

The Contractor shall provide, install, and integrate fiber optic transceivers into all of the existing Type F network switches at all the existing traffic signals within the project limits.



It is the contractor’s responsibility to determine the necessary quantity and distance strength of each transceiver at each location.

The Contractor shall provide, install, and integrate a new Cisco Industrial Ethernet 5000 Type E2 network switch with 10 gigabit Ethernet ports inside the Type C Termination cabinet at US 49 @ O’Neal Rd. All fiber connections on the blue tube shall be placed on the 10 gigabit Ethernet ports on the Type E2 network switch. The chart below makes up a single Type E2 switch and shall be ordered and sent to Kerby McFarland. The second line item below is the Cisco Smartnet/maintenance for one year and the contract ID must be established in MDOT’s name and Smart account. Contractor shall contact Kerby McFarland for this account information.

Qty	Part Number	Description Type E2 Network Switch
1	IE-5000-12S12P-10G	IE5000 with 12GE Copper PoE+, 12FE/GE SFP & 4 1G/10G SFP up
1	CON-SNT-IES12P50	SNTC-8X5XNBD IE5000 12x1G SFP+12x10/100/1000 + 4 1G/1
1	IE5000_SW	Software for IE5000 rugged series switch
2	PWR-RGD-AC-DC-250	Higher PoE, 250W PSU for IE4010/5000, 100-240VAC/100-250VDC
1	DIGITAL-DL-CODE	Digital Download Code for Software License
1	IOT-TRANSPORTATION	Transportation Industry Solutions; For tracking only.
1	IOT-ROADWAYS	Connected Roadways: Intersections, Tolling; Tracking only
1	IE5000-DNA-A-H	DNA Advantage for IE 5000
1	IE5000-DNA-A-H-3Y	IE 5000 DNA Advantage, 3 Year Term license
2	Power Cables	5-15P TO ROJ 14AWG 6FT

The ports from each of the appropriate fiber termination panels will connect in pairs to the SFP (Optical ports) of the Network Switch via appropriate single mode fiber optic patch cords, unless otherwise directed and/or approved by the ITS Engineer or his/her designee. Whether existing or proposed, the Contractor shall configure these connections to provide proper communications for the proposed project.

**Testing:** All equipment associated with the modifications stated in this NTB shall undergo testing as specified in the Traffic Management Center Modifications Special Provision (907-659).

**Submittals:** The submittal requirements defined in the Traffic Management Center Modifications Special Provision (907-659) shall be met.

**Quality Assurance:** The quality assurance requirements defined in the Traffic Management Center Modifications Special Provision (907-659) shall be met.

**Warranty:** At a minimum, the warranty requirements defined in the Traffic Management Center Modifications Special Provision (907-659) shall be met.

All work, materials, equipment and related items described in this NTB shall be included in the lump sum pay item 907-659-A: Traffic Management Center Modifications.

Add 2 Lanes on US 49 from O'Neal Road to north of School Road, known as Federal Aid Project No. BRNH-0008-01(154) / 102111301 in Harrison 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-A001		1	Lump Sum	Removal of Obstructions
0040	202-B004		6,776	Square Yard	Removal of Asphalt Driveways, All Depths
0050	202-B006		20,860	Square Yard	Removal of Asphalt Paved Shoulders, All Depths
0060	202-B007		23,807	Square Yard	Removal of Asphalt Pavement, All Depths
0070	202-B052		1,536	Square Yard	Removal of Concrete Driveways, All Depths
0080	202-B057		9	Each	Removal of Concrete Junction Box, Manhole and Inlet, All Sizes
0090	202-B068		189	Square Yard	Removal of Concrete Pavement Punchouts, 9" Depth
0100	202-B073		983	Square Yard	Removal of Concrete Pavement, All Depths
0110	202-B089		1,263	Linear Feet	Removal of Curb &/or Curb and Gutter, All Types
0120	202-B126		3,591	Linear Feet	Removal of Fence, All Types
0130	202-B129		9	Each	Removal of Flared End Section, All Sizes
0140	202-B191		4,758	Linear Feet	Removal of Pipe, 8" And Above
0150	202-B206		57	Each	Removal of Right-Of-Way Marker
0160	202-B215		165	Each	Removal of Sign Including Post & Footing
0170	202-B240		77,320	Linear Feet	Removal of Traffic Stripe
0180	203-A001	(E)	80,596	Cubic Yard	Unclassified Excavation, FM, AH
0190	203-EX038	(E)	500	Cubic Yard	Borrow Excavation, AH, LVM, Class B7-6
0200	203-G001	(E)	41,491	Cubic Yard	Excess Excavation, FM, AH
0210	206-A001	(S)	5,587	Cubic Yard	Structure Excavation
0220	206-B001	(E)	610	Cubic Yard	Select Material for Undercuts, Contractor Furnished, FM
0230	209-A005		131,428	Square Yard	Geotextile Stabilization, Type V, Non-Woven
0240	211-B001	(E)	500	Cubic Yard	Topsoil for Slope Treatment, Contractor Furnished
0250	213-C001		24	Ton	Superphosphate
0260	216-A001		7,119	Square Yard	Solid Sodding
0270	217-A001		5,005	Square Yard	Ditch Liner
0280	219-A001		142	Thousand Gallon	Watering [\$20.00]
0290	220-A001		47	Acre	Insect Pest Control [\$30.00]
0300	223-A001		16	Acre	Mowing [\$50.00]
0310	225-A001		47	Acre	Grassing
0320	225-B001		24	Ton	Agricultural Limestone
0330	225-C001		94	Ton	Mulch, Vegetative Mulch

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0340	226-A001		47	Acre	Temporary Grassing
0350	235-A001		406	Each	Temporary Erosion Checks
0360	236-A008		15	Each	Silt Basin, Type D
0370	236-B004		15	Each	Maintenance and Removal of Existing Silt Basins, Type D
0380	237-A002		2,005	Linear Feet	Wattles, 20"
0390	246-B001		835	Each	Rockbags
0400	403-A003	(BA1)	5,856	Ton	12.5-mm, ST, Asphalt Pavement
0410	403-A004	(BA1)	11,764	Ton	19-mm, HT, Asphalt Pavement
0420	403-A006	(BA1)	22,331	Ton	19-mm, ST, Asphalt Pavement
0430	403-A015	(BA1)	5,826	Ton	9.5-mm, ST, Asphalt Pavement
0440	406-D001		6,198	Square Yard	Fine Milling of Bituminous Pavement, All Depths
0450	407-A001	(A2)	33,695	Gallon	Asphalt for Tack Coat
0452	403-D001	(BA1)	20,053	Ton	12.5-mm, HT, Asphalt Pavement, Polymer Modified
0454	403-D007	(BA1)	14,922	Ton	9.5-mm, HT, Asphalt Pavement, Polymer Modified
0460	423-A001		15	Mile	Rumble Strips, Ground In
0470	501-D001		132	Linear Feet	Expansion Joints, With Dowels
0480	503-A003	(C)	189	Square Yard	9" and Variable Reinforced Concrete Pavement, Broom Finish
0490	503-B001		124	Linear Feet	Saw Cut, Longitudinal Joints
0500	503-C010		75,978	Linear Feet	Saw Cut, Full Depth
0510	503-D001		21	Cubic Yard	Concrete for Base Repair
0520	503-E002		141	Each	Tie Bars, No. 5 Deformed Drilled and Epoxied or Grouted
0530	503-F002		99	Each	1" Smooth Dowel Bars, Drilled & Epoxied or Grouted
0540	601-A001	(S)	127	Cubic Yard	Class "B" Structural Concrete
0550	601-B001	(S)	296	Cubic Yard	Class "B" Structural Concrete, Minor Structures
0560	602-A001	(S)	38,188	Pounds	Reinforcing Steel
0570	603-ALT003	(S)	1,702	Linear Feet	18" Type A Alternate Pipe
0580	603-ALT006	(S)	728	Linear Feet	24" Type A Alternate Pipe
0590	603-ALT009	(S)	308	Linear Feet	30" Type A Alternate Pipe
0600	603-ALT011	(S)	48	Linear Feet	36" Type A Alternate Pipe
0610	603-ALT016	(S)	136	Linear Feet	48" Type A Alternate Pipe
0620	603-CA012	(S)	3,935	Linear Feet	18" Reinforced Concrete Pipe, Class III, Rubber Type Gaskets
0630	603-CA023	(S)	132	Linear Feet	18" Reinforced Concrete Pipe, Class V, Rubber Type Gaskets
0640	603-CA027	(S)	584	Linear Feet	24" Reinforced Concrete Pipe, Class III, Rubber Type Gaskets

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0650	603-CA039	(S)	308	Linear Feet	24" Reinforced Concrete Pipe, Class V, Rubber Type Gaskets
0660	603-CA041	(S)	282	Linear Feet	30" Reinforced Concrete Pipe, Class III, Rubber Type Gaskets
0670	603-CA054	(S)	130	Linear Feet	30" Reinforced Concrete Pipe, Class V, Rubber Type Gaskets
0680	603-CA056	(S)	80	Linear Feet	36" Reinforced Concrete Pipe, Class III, Rubber Type Gaskets
0690	603-CA077	(S)	52	Linear Feet	48" Reinforced Concrete Pipe, Class III, Rubber Type Gaskets
0700	603-CB003	(S)	16	Each	18" Reinforced Concrete End Section
0710	603-CB004	(S)	14	Each	24" Reinforced Concrete End Section
0720	603-CB005	(S)	6	Each	30" Reinforced Concrete End Section
0730	603-CB006	(S)	1	Each	36" Reinforced Concrete End Section
0740	603-CB008	(S)	1	Each	48" Reinforced Concrete End Section
0750	603-CE003	(S)	304	Linear Feet	22" x 13" Concrete Arch Pipe, Class A III, Flexible Plastic Gaskets
0760	603-CE009	(S)	96	Linear Feet	29" x 18" Concrete Arch Pipe, Class A III, Flexible Plastic Gaskets
0770	603-CE019	(S)	752	Linear Feet	44" x 27" Concrete Arch Pipe, Class A III, Flexible Plastic Gaskets
0780	603-CE024	(S)	224	Linear Feet	51" x 31" Concrete Arch Pipe, Class A III, Flexible Plastic Gaskets
0790	603-CE029	(S)	152	Linear Feet	58" x 36" Concrete Arch Pipe, Class A III, Flexible Plastic Gaskets
0800	603-CF002	(S)	1	Each	22" x 13" Concrete Arch Pipe End Section
0810	603-CF005	(S)	18	Each	44" x 27" Concrete Arch Pipe End Section
0820	603-CF006	(S)	4	Each	51" x 31" Concrete Arch Pipe End Section
0830	603-CF007	(S)	3	Each	58" x 36" Concrete Arch Pipe End Section
0840	604-A001		1,220	Pounds	Castings
0850	604-B001		6,511	Pounds	Gratings
0860	605-W001	(GY)	9	Cubic Yard	Filter Material for Combination Storm Drain and/or Underdrains, Type A, FM
0880	606-B009		800	Linear Feet	Guard Rail, Class A, Type 1, Metal Post
0910	606-E001		4	Each	Guard Rail, Terminal End Section
0930	609-B002	(S)	347	Linear Feet	Concrete Curb, Header
0940	609-D003	(S)	3,684	Linear Feet	Combination Concrete Curb and Gutter Type 2
0950	609-D004	(S)	1,458	Linear Feet	Combination Concrete Curb and Gutter Type 2 Modified
0960	609-D012	(S)	12,381	Linear Feet	Combination Concrete Curb and Gutter Type 3A Modified
0962	606-C001		4	Each	Guard Rail, Cable Anchor Type 1, Metal Post
0970	612-B001		41	Cubic Yard	Flowable Fill, Non-Excavatable
0980	614-B001	(S)	679	Square Yard	Concrete Driveway, With Reinforcement
0990	616-A001	(S)	272	Square Yard	Concrete Median and/or Island Pavement, 10-inch
1000	616-A003	(S)	2,698	Square Yard	Concrete Median and/or Island Pavement, 12-inch
1010	616-A004	(S)	5,672	Square Yard	Concrete Median and/or Island Pavement, 4-inch

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
1020	617-A001		179	Each	Right-of-Way Marker
1030	618-A001		1	Lump Sum	Maintenance of Traffic
1040	619-A1001		16	Mile	Temporary Traffic Stripe, Continuous White
1050	619-A2001		16	Mile	Temporary Traffic Stripe, Continuous Yellow
1060	619-A3001		23	Mile	Temporary Traffic Stripe, Skip White
1070	619-A4001		154	Linear Feet	Temporary Traffic Stripe, Skip Yellow
1080	619-A5001		47,108	Linear Feet	Temporary Traffic Stripe, Detail
1090	619-A6001		900	Square Feet	Temporary Traffic Stripe, Legend
1100	619-A6002		4,951	Linear Feet	Temporary Traffic Stripe, Legend
1110	619-D1001		74	Square Feet	Standard Roadside Construction Signs, Less than 10 Square Feet
1120	619-D2001		2,464	Square Feet	Standard Roadside Construction Signs, 10 Square Feet or More
1130	619-F1002		15,402	Linear Feet	Portable Median Barrier
1140	619-F2002		15,402	Linear Feet	Remove and Reset Portable Median Barrier
1150	619-G4005		560	Linear Feet	Barricades, Type III, Single Faced
1160	619-G5001		602	Each	Free Standing Plastic Drums
1170	619-G7001		24	Each	Warning Lights, Type "B"
1180	620-A001		1	Lump Sum	Mobilization
1190	626-A001		12	Mile	6" Thermoplastic Double Drop Traffic Stripe, Skip White
1200	626-C002		5	Mile	6" Thermoplastic Double Drop Edge Stripe, Continuous White
1210	626-D002		77	Linear Feet	6" Thermoplastic Double Drop Traffic Stripe, Skip Yellow
1220	626-E002		6,976	Linear Feet	6" Thermoplastic Double Drop Traffic Stripe, Continuous Yellow
1230	626-F001		5	Mile	6" Thermoplastic Double Drop Edge Stripe, Continuous Yellow
1240	626-G004		40,396	Linear Feet	Thermoplastic Double Drop Detail Stripe, White
1250	626-G005		14,058	Linear Feet	Thermoplastic Double Drop Detail Stripe, Yellow
1260	626-H001		3,685	Square Feet	Thermoplastic Double Drop Legend, White
1270	626-H002		3,998	Linear Feet	Thermoplastic Double Drop Legend, White
1280	627-J001		114	Each	Two-Way Clear Reflective High Performance Raised Markers
1290	627-K001		2,271	Each	Red-Clear Reflective High Performance Raised Markers
1300	627-L001		305	Each	Two-Way Yellow Reflective High Performance Raised Markers
1310	630-A001		271	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness
1320	630-A003		1,221	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness
1330	630-B002		352	Square Feet	Interstate Directional Signs, Bolted Extruded Aluminum Panels, Ground Mounted
1340	630-B003		1,341	Square Feet	Interstate Directional Signs, Bolted Extruded Aluminum Panels, Overhead Mounted

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
1350	630-C001		45	Linear Feet	Square Tube Posts, 4.0 lb/ft
1360	630-C003		1,087	Linear Feet	Steel U-Section Posts, 3.0 lb/ft
1370	630-D006		39	Linear Feet	Structural Steel Beams, W6 x 12
1380	630-D007		107	Linear Feet	Structural Steel Beams, W6 x 15
1390	630-D008		62	Linear Feet	Structural Steel Beams, W6 x 9
1400	630-E001		223	Pounds	Structural Steel Angles & Bars, 3 1/2" x 3 1/2" x 1/4" Angles
1410	630-E004		876	Pounds	Structural Steel Angles & Bars, 7/16" x 2 1/2" Flat Bar
1420	630-F003		30	Each	Delineators, Flexible Post Mounted, Crossover, Type II
1430	630-F006		114	Each	Delineators, Guard Rail, White
1440	630-F011		34	Each	Delineators, Post Mounted, Double Yellow
1450	630-I003		1	Lump Sum	Metal Overhead Sign Supports, Assembly No. 1, Contractor Designed
1460	630-I015		1	Lump Sum	Metal Overhead Sign Supports, Assembly No. 2, Contractor Designed
1470	630-K001		423	Linear Feet	Welded & Seamless Steel Pipe Posts, 3 1/2"
1480	630-K003		305	Linear Feet	Welded & Seamless Steel Pipe Posts, 4"
1490	635-A059		27	Each	Traffic Signal Head, Type 1
1500	635-A061		7	Each	Traffic Signal Head, Type 2
1510	635-A065		2	Each	Traffic Signal Head, Type 2 FYA
1520	635-A070		7	Each	Traffic Signal Head, Type 3
1530	635-A073		6	Each	Traffic Signal Head, Type 4
1540	638-A006		6	Each	Flasher Assembly, Prepare To Stop
1550	647-A001		1	Lump Sum	Removal of Existing Traffic Signal Equipment
1560	660-A003		2	Each	Equipment Cabinet, Type B
1570	660-A004		3	Each	Equipment Cabinet, Type C
1580	699-A001		1	Lump Sum	Roadway Construction Stakes
1590	815-A002	(S)	3,889	Ton	Loose Riprap, Size 100
1600	815-A007	(S)	616	Ton	Loose Riprap, Size 300
1610	815-E001	(S)	4,444	Square Yard	Geotextile under Riprap
1620	815-F002	(S)	231	Ton	Sediment Control Stone
1630	907-234-A001		23,208	Linear Feet	Temporary Silt Fence
1640	907-234-D001		6	Each	Inlet Siltation Guard
1650	907-240-A001		9,474	Square Yard	Interlocking Flexible Block Erosion Control System
1660	907-405-A001	(BA1)	14,922	Ton	Stone Matrix Asphalt, 9.5 mm Mixture
1670	907-405-A002	(BA1)	20,053	Ton	Stone Matrix Asphalt, 12.5 mm Mixture
1680	907-413-E001		13,450	Linear Feet	Sawing and Sealing Transverse Joints in Asphalt Pavement

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
1690	907-618-M2001		1,500	Hours	Work Zone Law Enforcement [\$60.00]
1700	907-619-E3001		8	Each	Changeable Message Sign
1710	907-630-L001		1	Lump Sum	Pedestal Sign Support, Assembly No 1, Contractor Designed
1720	907-630-L002		1	Lump Sum	Pedestal Sign Support, Assembly No 2, Contractor Designed
1730	907-632-A010		1	Each	Solid State Traffic Cabinet Assembly, Type IV Cabinet, Type 1 Controller
1740	907-632-C001		4	Each	Modify Existing Traffic Signal Cabinet Assembly
1750	907-632-J001		4	Each	Power Service Pedestal
1760	907-633-A001		1	Each	Uninterruptable Power Supply
1770	907-634-A042		2	Each	Traffic Signal Equipment Pole, Type II(L), 30' Shaft, 30' Arm
1780	907-634-A047		2	Each	Traffic Signal Equipment Pole, Type II(L), 30' Shaft, 55' Arm
1790	907-634-A048		2	Each	Traffic Signal Equipment Pole, Type II(L), 30' Shaft, 60' Arm
1800	907-634-A083		1	Each	Traffic Signal Equipment Pole, Type II, 17' Shaft, 45' Arm
1810	907-634-A140		1	Each	Traffic Signal Equipment Pole, Type II, 40' Shaft, 35' Arm
1820	907-634-A274		1	Each	Traffic Signal Equipment Pole, Type III(L), 30' Shaft, 50' & 75' Arm
1830	907-634-A344		1	Each	Traffic Signal Equipment Pole, Type III(L), 40' Shaft, 55' & 65' Arm
1840	907-634-C002		40	Cubic Yard	Pole Foundations, Class "DS" Concrete
1850	907-634-D003		150	Linear Feet	Slip Casing, 36" Diameter
1860	907-634-E001		2	Each	Camera Pole with Foundation, 50' Pole
1870	907-634-PP005		2	Each	Traffic Signal Equipment Pole Air Ground
1880	907-636-B002		800	Linear Feet	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 1/0, 4 Conductor
1890	907-636-B012		1,035	Linear Feet	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 14, 3 Conductor
1900	907-636-B014		3,664	Linear Feet	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 14, 5 Conductor
1910	907-636-B016		3,635	Linear Feet	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 14, 8 Conductor
1920	907-636-B038		2,744	Linear Feet	Electric Cable, Underground in Conduit, THHN, AWG #10, 3 Conductor
1930	907-636-B053		1,535	Linear Feet	Electric Cable, Underground in Conduit, THHN, AWG #6, 3 Conductor
1940	907-636-D006		96	Linear Feet	Electric Cable, Aerial Supported in Conduit, IMSA 20-1, AWG 14, 5 Conductor
1950	907-636-D008		740	Linear Feet	Electric Cable, Aerial Supported in Conduit, IMSA 20-1, AWG 14, 8 Conductor
1960	907-636-D020		40	Linear Feet	Electric Cable, Aerial Supported in Conduit, THHN, AWG #6, 3 Conductor
1970	907-637-A002		30	Each	Pullbox Enclosure, Type 2
1980	907-637-A003		5	Each	Pullbox Enclosure, Type 3
1990	907-637-A004		16	Each	Pullbox Enclosure, Type 4
2000	907-637-A005		15	Each	Pullbox Enclosure, Type 5
2010	907-637-C028		2,350	Linear Feet	Traffic Signal Conduit, Underground, Type 4, 2"



Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
2020	907-637-C030		30	Linear Feet	Traffic Signal Conduit, Underground, Type 4, 3"
2030	907-637-D002		1,615	Linear Feet	Traffic Signal Conduit, Underground Drilled or Jacked, Rolled Pipe, 2"
2040	907-637-D003		2,579	Linear Feet	Traffic Signal Conduit, Underground Drilled or Jacked, Rolled Pipe, 3"
2050	907-637-I001		21,670	Linear Feet	Traffic Signal Conduit Bank, Underground, Drilled or Jacked, Rolled Pipe, 2 @ 2"
2060	907-637-K001		910	Linear Feet	Traffic Signal Conduit Bank, Aerial Supported, Type 1, 2 @ 2"
2070	907-639-J001		1	Each	Type 3 Intersection Device
2080	907-643-A004		12	Each	Video Vehicle Detection Sensor, Type 1A
2090	907-643-B001		5,392	Linear Feet	Video Vehicle Detection Cable
2100	907-643-E001		2	Each	Multi-Sensor Vehicle Detection Sensor
2110	907-643-F001		443	Linear Feet	Multi-Sensor Vehicle Detection Cable
2120	907-650-A002		6	Each	On Street Video Equipment, Fixed Type
2130	907-650-A003		4	Each	On Street Video Equipment, PTZ Type
2140	907-650-A004		4	Each	On Street Video Equipment, PTZ Type, Signal Monitoring
2150	907-653-A001		119	Square Feet	Traffic Sign
2160	907-653-B001		57	Square Feet	Street Name Sign
2170	907-656-A002		2	Each	Dynamic Message Sign, Type 2
2180	907-659-A001		1	Lump Sum	Traffic Management Center Modifications
2190	907-661-A004		21,725	Linear Feet	Fiber Optic Cable, 72 SM
2200	907-661-B002		2,865	Linear Feet	Fiber Optic Drop Cable, 12 SM
2210	907-663-A001		4	Each	Network Switch, Type A
2220	907-663-A005		1	Each	Network Switch, Type E
2230	907-663-D001		1,035	Linear Feet	Category 6 Cable, Installed in Conduit
2240	907-899-A001		1	Lump Sum	Railway-Highway Provisions
2250	907-906001		1,040	Hours	Trainees [\$5.00]
ALTERNATE GROUP AA NUMBER 1					
2260	304-F001	(GT)	80,636	Ton	3/4" and Down Crushed Stone Base
ALTERNATE GROUP AA NUMBER 2					
2270	304-F002	(GT)	80,636	Ton	Size 610 Crushed Stone Base
ALTERNATE GROUP AA NUMBER 3					
2280	304-F003	(GT)	80,636	Ton	Size 825B Crushed Stone Base
ALTERNATE GROUP BB NUMBER 1					
2290	605-W002	(GY)	162	Cubic Yard	Filter Material for Combination Storm Drain and/or Underdrains, Type B, FM
ALTERNATE GROUP BB NUMBER 2					
2300	605-W003	(GY)	162	Cubic Yard	Filter Material for Combination Storm Drain and/or Underdrains, Type C, FM

DESCRIPTION OF SHEET

WKG. NO. SH. NO.

Table with 3 columns: WKG. NO., SH. NO., and Description. Rows include: TITLE SHEET (1), DETAILED INDEX & GENERAL NOTES (8), DETAILED INDEX (DI-1 to DI-6), GENERAL NOTES (GN-1, GN-2), TYPICAL SECTION SHEETS (14), TYPICAL SECTION - MAINLINE SOUTHBOUND LANES (TS-1 to TS-13), QUANTITY SHEETS (30), SUMMARY OF QUANTITIES (SQ-1 to SQ-6), ESTIMATED QUANTITIES FOR TRAFFIC CONTROL SIGNS (TCQ-1), ESTIMATED QUANTITIES - TRAFFIC CONTROL ITEMS (EQ-1 to EQ-23).

DESCRIPTION OF SHEET

WKG. NO. SH. NO.

Table with 3 columns: WKG. NO., SH. NO., and Description. Rows include: PLAN & PROFILE SHEETS (36), B.O.P. TO STA. 175+00 MAINLINE LEFT (3-LT), DETOUR - STA. 10+00 TO STA. 25+00 (3A), STA. 180+60 TO STA. 205+00 MAINLINE LEFT (4-LT), DUCKWORTH ROAD - STA. 7+50 TO STA. 13+50 (4A), SOUTH SWAN ROAD - STA. 7+00 TO STA. 13+50 (5A), PLAN AND PROFILE - U.S. 49 NORTHBOUND - STA 233+00 TO STA 241+50 (6-LT), PLAN AND PROFILE - SOUTH FRONTAGE ROAD (6A), PLAN AND PROFILE - U.S. 49 NORTHBOUND - STA 241+50 TO STA 257+50 (7-LT), PLAN AND PROFILE - CFI SOUTH (7A), PLAN AND PROFILE - SOUTHWEST RAMP (7B), PLAN AND PROFILE - CFI NORTH (7C), PLAN AND PROFILE - NORTHEAST RAMP (7D), PLAN AND PROFILE - SR 53 (7E), PLAN AND PROFILE - SR 53 (7F), PLAN AND PROFILE - SOUTHWEST FRONTAGE (3RD AVE.) (7G), PLAN AND PROFILE - NORTH SWAN ROAD (7H), PLAN AND PROFILE - SOUTHEAST FRONTAGE ROAD (7I), PLAN AND PROFILE - U.S. 49 SOUTHBOUND - STA 257+50 TO STA 273+50 (8 LT), PLAN AND PROFILE - U.S. 49 NORTHBOUND - STA 257+50 TO STA 273+50 (8 RT), PLAN AND PROFILE - U.S. 49 SOUTHBOUND - STA 273+50 TO STA 289+50 (9 LT), PLAN AND PROFILE - U.S. 49 NORTHBOUND - STA 273+50 TO STA 289+50 (9 RT), STA. 278+00 TO 305+00 MAINLINE LEFT (10-LT), STA. 278+00 TO 305+00 MAINLINE RIGHT (10-RT), VICK ROAD - STA. 10+00 TO STA. 14+00 (10A), JIM BANKS ROAD - STA. 10+00 TO STA. 12+80 (10B), STA. 305+00 TO E.O.P. MAINLINE LEFT (11-LT), STA. 305+00 TO E.O.P. MAINLINE RIGHT (11-RT), SCHOOL ROAD - STA. 10+00 TO STA. 13+20 (11A), DETAIL OF INTERSECTION SHEETS (18), DETAIL OF INTERSECTION - DUCKWORTH ROAD (DOI-1), DETAIL OF INTERSECTION - TOUJIEU ROAD (DOI-2), DETAIL OF INTERSECTION - SOUTH SWAN ROAD (DOI-3), DETAIL OF INTERSECTION - LAYOUT (DOI-4), DETAIL OF INTERSECTION - U.S. 49 - STA 233+00 TO STA 239+00 (DOI-5), DETAIL OF INTERSECTION - U.S. 49 - STA 239+00 TO STA 245+00 (DOI-6), DETAIL OF INTERSECTION - U.S. 49 - STA 245+00 TO STA 251+00 (DOI-7), DETAIL OF INTERSECTION - U.S. 49 - STA 251+00 TO STA 257+00 (DOI-8), DETAIL OF INTERSECTION - U.S. 49 - STA 257+00 TO STA 263+00 (DOI-9), DETAIL OF INTERSECTION - U.S. 49 - STA 263+00 TO STA 275+00 (DOI-10), DETAIL OF INTERSECTION - SR 53 - STA 420+00 TO STA 432+00 (DOI-11), DETAIL OF INTERSECTION - SR 53 - STA 432+00 TO STA 438+00 (DOI-12), DETAIL OF INTERSECTION - SR 53 - STA 438+00 TO STA 443+00 (DOI-13), DETAIL OF INTERSECTION - NORTH SWAN ROAD - STA 12+00 TO STA 18+00 (DOI-14), DETAIL OF INTERSECTION - NORTH SWAN ROAD - STA 18+00 TO STA 23+00 (DOI-15).

Table with 2 columns: DATE, SHEET NO., CPN. Row 1: 11/14/23, 25, 26, 47, 62, 63.

PS & E PLANS-DATE 07/19/2023

FMS\_CON. # 102111/301000

REVISIONS

BY

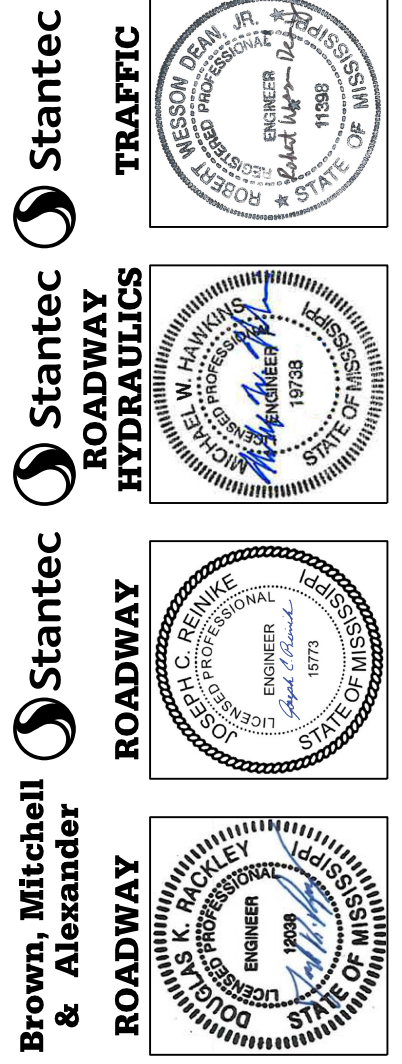
SHEET NO.

CPN

DATE

BY

Table with 2 columns: REVISION, DATE. Includes MISSISSIPPI DEPARTMENT OF TRANSPORTATION, DETAILED INDEX, PROJECT: BRNH-0008-01(154), COUNTY: HARRISON, FILENAME: DI-1.dgn, DESIGN TEAM: BMA, CHECKED, DATE, WORKING NUMBER: DI-1, SHEET NUMBER: 2.



**ADDENDUM**

STATE	PROJECT NO.
MISS	BRNH-0008-01(154)

**SUMMARY OF QUANTITIES (SHEET 2)**

PAY ITEM NO.	PAY ITEM	UNIT	HARRISON : 102111-301000	
			Prelim	Final
237-A002	Wattles, 20"	LF	2,005	
907-240-A001	Interlocking Flexible Block Erosion Control System	SY	9,474	
246-B001	Rockbags	EA	835	
304-F001	ALTERNATE PAY ITEMS 3/4" and Down Crushed Stone Base	TON	80,636	
304-F002	OR Size 610 Crushed Stone Base	TON	80,636	
304-F003	OR Size 825B Crushed Stone Base	TON	80,636	
403-A003	BITUMINOUS PAVING ITEMS 12.5-mm, ST, Asphalt Pavement	TON	5,856	
403-A004	19-mm, HT, Asphalt Pavement	TON	11,764	
403-A006	19-mm, ST, Asphalt Pavement	TON	22,331	
403-A015	9.5-mm, ST, Asphalt Pavement	TON	5,826	
403-D001	12.5-mm, HT, Asphalt Pavement, Polymer Modified	TON	20,053	
403-D007	9.5-mm, HT, Asphalt Pavement, Polymer Modified	TON	14,922	
406-D001	Fine Milling of Bituminous Pavement, All Depths	SY	6,198	
407-A001	Asphalt for Tack Coat	GAL	33,695	
413-E001	Sawing and Sealing Transverse Joints in Asphalt Pavement	LF	13,450	
423-A001	Rumble Strips, Ground In	MI	15	
501-D001	CONCRETE PAVEMENT ITEMS Expansion Joints, With Dowels	LF	132	
503-A003	9" and Variable Reinforced Concrete Pavement, Broom Finish	SY	189	
503-B001	Saw Cut, Longitudinal Joints	LF	124	
503-C010	Saw Cut, Full Depth	LF	75,978	
503-D001	Concrete for Base Repair	CY	21	
503-E002	Tie Bars, No. 5 Deformed Drilled and Epoxied or Grouted	EA	141	
503-F002	1" Smooth Dowel Bars, Drilled & Epoxied or Grouted	EA	99	
601-A001	DRAINAGE ITEMS Class "B" Structural Concrete	CY	127	
601-B001	Class "B" Structural Concrete, Minor Structures	CY	296	
602-A001	Reinforcing Steel	LBS	38,188	
603-ALT003	18" Type A Alternate Pipe	LF	1,702	
603-ALT006	24" Type A Alternate Pipe	LF	728	
603-ALT009	30" Type A Alternate Pipe	LF	308	
603-ALT011	36" Type A Alternate Pipe	LF	48	
603-ALT016	48" Type A Alternate Pipe	LF	136	
603-CA012	18" Reinforced Concrete Pipe, Class III, Rubber Type Gaskets	LF	3,935	
603-CA023	18" Reinforced Concrete Pipe, Class V, Rubber Type Gaskets	LF	132	
603-CA027	24" Reinforced Concrete Pipe, Class III, Rubber Type Gaskets	LF	584	

- ① INCLUDES 37.6 C.Y. FOR PAVED FLUMES & EDGE DRAIN, OUTLETS
- ② INCLUDES 303 TONS FOR DRIVEWAYS,
- ③ INCLUDES 1164 TONS FOR DRIVEWAYS
- ④ INCLUDES 13.3 C.Y. FOR JUNCTION BOXES, 235.5 C.Y. FOR DRAINAGE STRUCTURES AND 9.1 C.Y. FOR SIGNS 132 L.F. FOR PUNCHOUTS
- ⑤ INCLUDES 485LBS. FOR SIGNS, 682 LBS FOR JUNCTION BOXES, 17437 LBS FOR BOX CULVERTS, 19584 LBS. FOR DRAINAGE STRUCTURES
- ⑦ ZINC COATED CORRUGATED METAL PIPE, 12 GAUGE (2.2/3" X 1/2") OR BITUMINOUS COATED CORRUGATED METAL PIPE, 14 GAUGE (2.2/3" X 1/2") OR ALUMINUM COATED CORRUGATED METAL PIPE, 16 GAUGE (2.2/3" X 1/2") OR REINFORCED CONCRETE PIPE, CLASS "III" OR CORRUGATED POLYETHYLENE PIPE OR POLY VINYL CHLORIDE (PVC) PIPE.
- ⑧ INCLUDES 69620 LF FOR PAVED SHOULDER REMOVAL

① ④ ▲



11/14/2023	REVISD QUANTITIES REMOVED	Revision	606-E007
11/14/2023	PAY ITEMS: 606-B002, 606-C003, CN	Revision	606-E007

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**  
**SUMMARY OF QUANTITIES**

PROJ NO: BRNH-0008-01(154)  
COUNTY: HARRISON

Working Number  
**SQ-2**

Design Team  
**FILENAME: SQS**

Checked  
Date 11/14/2023

Sheet Number  
**25**





**ADDENDUM**

STATE	PROJECT NO.
MISS	BRNH-0008-01(154)

**SUMMARY OF QUANTITIES (SHEET 3)**

PAY ITEM NO.	PAY ITEM	UNIT	HARRISON : 102111-301000	
			Prelim	Final
603-CA039	24" Reinforced Concrete Pipe, Class V, Rubber Type Gaskets	LF	308	
603-CA041	30" Reinforced Concrete Pipe, Class III, Rubber Type Gaskets	LF	282	
603-CA054	30" Reinforced Concrete Pipe, Class V, Rubber Type Gaskets	LF	130	
603-CA056	36" Reinforced Concrete Pipe, Class III, Rubber Type Gaskets	LF	80	
603-CA077	48" Reinforced Concrete Pipe, Class III, Rubber Type Gaskets	LF	52	
603-CB003	18" Reinforced Concrete End Section	EA	16	
603-CB004	24" Reinforced Concrete End Section	EA	14	
603-CB005	30" Reinforced Concrete End Section	EA	6	
603-CB006	36" Reinforced Concrete End Section	EA	1	
603-CB008	48" Reinforced Concrete End Section	EA	1	
603-CE003	22" x 13" Concrete Arch Pipe, Class A III, Flexible Plastic Gaskets	LF	304	
603-CE009	29" x 18" Concrete Arch Pipe, Class A III, Flexible Plastic Gaskets	LF	96	
603-CE019	44" x 27" Concrete Arch Pipe, Class A III, Flexible Plastic Gaskets	LF	752	①
603-CE024	51" x 31" Concrete Arch Pipe, Class A III, Flexible Plastic Gaskets	LF	224	
603-CE029	58" x 36" Concrete Arch Pipe, Class A III, Flexible Plastic Gaskets	LF	152	②
603-CF002	22" x 13" Concrete Arch Pipe End Section	EA	1	
603-CF005	44" x 27" Concrete Arch Pipe End Section	EA	18	
603-CF006	51" x 31" Concrete Arch Pipe End Section	EA	4	③
603-CF007	58" x 36" Concrete Arch Pipe End Section	EA	3	
604-A001	Castings	LBS	1,220	
604-B001	Gratings	LBS	6,511	
605-W001	Filter Material for Combination Storm Drain and/or Underdrains, Type A, FM	CY	9	
605-W002	Filter Material for Combination Storm Drain and/or Underdrains, Type B, FM	CY	162	
	OR			
605-W003	Filter Material for Combination Storm Drain and/or Underdrains, Type C, FM	CY	162	
	GUARD RAIL ITEMS			
606-B009	Guard Rail, Class A, Type 1, Metal Post	LF	800	
606-C001	Guard Rail, Cable Anchor Type 1, Metal Post	EA	4	
606-E001	Guard Rail, Terminal End Section	EA	4	
	INCIDENTAL CONSTRUCTION ITEMS			
609-B002	Concrete Curb, Header	LF	347	
609-D003	Combination Concrete Curb and Gutter Type 2	LF	3,684	
609-D004	Combination Concrete Curb and Gutter Type 2 Modified	LF	1,458	
609-D012	Combination Concrete Curb and Gutter Type 3A Modified	LF	12,381	
612-B001	Flowable Fill, Non-Excavatable	CY	41	
614-B001	Concrete Driveway, With Reinforcement	SY	679	
616-A001	Concrete Median and/or Island Pavement, 10-inch	SY	272	
616-A003	Concrete Median and/or Island Pavement, 12-inch	SY	2,698	
616-A004	Concrete Median and/or Island Pavement, 4-inch	SY	5,672	
617-A001	Right-of-Way Marker	EA	179	
618-A001	Maintenance of Traffic	LS	1	

- ① INCLUDES 176 L.F. FOR SIDE DRAINS, 576 FOR MAINLINE DRAINAGE
- ② INCLUDES 64 L.F. FOR SIDE DRAIN, 88 FOR MAINLINE DRAINAGE
- ③ INCLUDES 4 FOR EACH SIDE DRAIN, 14 FOR MAINLINE DRAINAGE



11/14/2023	REMOVED QUANTITIES REMOVED	Revision
606-E007	606-E002, 606-C003, CN	606-E007
11/14/2023	REMOVED QUANTITIES REMOVED	Revision
606-E007	606-E002, 606-C003, CN	606-E007

MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
SUMMARY OF QUANTITIES

PROJ NO: BRNH-0008-01(154)  
COUNTY: HARRISON

Working Number  
**SQ-3**

Sheet Number  
**26**

FILENAME: SQS  
Design Team

Checked \_\_\_\_\_ Date 11/14/2023









