

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> 10/5/2022 </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
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1	Revised Table of Contents; Added NTB Nos. 4461, 4462 & 4463; NTB No. 4638 replaces NTB No. 6; Revised Bid Items; Revised of Added Plan Sheet Nos. 8001, 8004-8005, 8027, 8046, 8068, 8087, 8108, 8154 & 8202; Amendment EBSx Download Required.
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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
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_____ Secretary	Address
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_____ Treasurer	Address
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The following is my (our) itemized proposal.

STP-0066-01(008)/ 103060301000

Jackson County(ies)

Revised 01/26/2016

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION
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PROJECT: STP-0066-01(008)/103060301 - Jackson

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

10/05/2022 12:48 PM

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 4461

CODE: (SP)

DATE: 10/03/2022

SUBJECT: Removal of Obstructions

PROJECT: STP-0066-01(008) / 103060301 - Jackson County

The bidder is hereby advised of the potential for the buildings listed below to contain materials contaminated with asbestos, a hazardous air pollutant.

The bidder's attention is called to notices to bidders entitled "Asbestos National Emission Standards for Hazardous Air Pollutants (NESHAP)" and "Status of Right-of-Way, Utility Adjustments and Potentially Contaminated Sites" for pertinent information concerning asbestos, if any, contained in the buildings listed below to be removed by the Contractor.

The Contractor shall remove the following obstructions in accordance with Section 202, Removal of Structures and Obstructions. Payment for removal and disposal of the obstruction(s) listed herein, including demolition, handling, loading, transporting and disposal, shall be made under the applicable subsection of the Basis of Payment portion of Section 202 – Removal of Obstructions:

One - (1) one Wooden shed, located approximately 65 feet right of centerline of survey at Station 238+50.

Concrete slab, located approximately 100 feet right of centerline of survey at Station 198+05;

Drainage structure and spillway at Morningside Road Station 29+00

Concrete spillway left of centerline survey at Station 320+50

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 – NOTICE TO BIDDERS NO. 4462

CODE: (SP)

DATE: 10/05/2022

SUBJECT: Lane Closure Restrictions

PROJECT: STP-0066-01(008) / 103060301 - Jackson County

Bidders are advised of the following restrictions:

- Work requiring a lane closure on SR 57 shall be restricted to 6:00 PM to 5:00 AM Sunday thru Thursday
- Changes or variances from the listed restrictions shall be submitted to the Project Engineer in writing for review and written approval.

A lane rental fee of **\$1,500.00** per full or partial 5 minutes shall be assessed for closures or obstructions that extend beyond the times mentioned above. No exposed signs shall be viewable to the traveling public prior to or after the above-mentioned times. No part of a closures, drums or cones, shall be in the roadway prior to or after the above-mentioned times.

Failure to begin work within this one (1) hour will result in the contractor being assessed a lane rental fee of **\$1,500.00** per full or partial 5 minutes until work begins.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 4463

CODE: (SP)

DATE: 10/03/2022

SUBJECT: PLAN CORRECTIONS

PROJECT: STP-0066-01(008) / 103060301 - Jackson County

Bidders are hereby advised that the summary of quantities listed in the plans is different than the ones in the bid schedules. Bidder are to bid all pay items listed in the bid schedule.

Pay item 907-234-C001 Super Silt Fence

19,345 Linear Feet

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 4638

CODE: (SP)

DATE: 10/05/2022

**SUBJECT: Storm Water Discharge Associated with Construction Activity
(≥ 5 Acres)**

PROJECT: STP-0066-01(008) / 103060301 - Jackson County

A Construction Storm Water General NPDES Permit to discharge storm water associated with construction activity is required.

The Department has acquired Certificate of Permit Coverage MSR-108493 under the Mississippi Department of Environmental Quality's (MDEQ) Storm Water Large Construction General Permit. Projects issued a certificate of permit coverage are granted permission to discharge treated storm water associated with construction activity into State waters. Copies of said permit, completed Large Construction Notice of Intent (LCNOI), and Storm Water Pollution Prevention Plan (SWPPP) are on file with the Department.

Prior to the execution of the contract, the successful bidder shall execute and deliver to the Executive Director an original signed copy of the completed Prime Contractor Certification Forms.

Failure of the bidder to execute and file the completed Prime Contractor Certification Forms shall be just cause for the cancellation of the award.

The executed Prime Contractor Certification Forms shall be prima facie evidence that the bidder has examined the permit, is satisfied as to the terms and conditions contained therein, and that the bidder has the primary responsibility for meeting all permit terms including, but not limited to, the inspection and reporting requirements. For this project, the Contractor shall furnish, set up and read, as needed, an on-site rain gauge.

The Contractor shall make inspections in accordance with condition No. S-5, page 26, and shall furnish the Project Engineer with the results of each weekly inspection as soon as possible following the date of inspection. A copy of the inspection form is provided with the packet. The weekly inspections must be documented monthly on the Inspection and Certification Form. The Contractor's representative and the Project Engineer shall jointly review and discuss the results of the inspections so that corrective action can be taken. The Project Engineer shall retain copies of the inspection reports.

The Engineer will have the authority to suspend all work and/or withhold payments for failure of the Contractor to carry out provisions of MDEQ's Storm Water Construction General Permit, the erosion control plan, updates to the erosion control plan, and /or proper maintenance of the BMPs.

By a full maintenance release or confirmation by the Permit Closeout Committee that the permit is ready for termination, the Construction Division shall submit a completed Request for Termination (RFT) of Coverage to the Office of Pollution Control.

Securing a permit (s) for storm water discharge associated with the Contractor's activity on any other regulated area the Contractor occupies, shall be the responsibility of the Contractor.

Grade, Drain, Bridge & Pave 4-Lane approximately 9 miles of SR 57 from I-10 to Vancleave, known as Federal Aid Project No. STP-0066-01(008) / 103060301 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		6	Acre	Clearing and Grubbing
0030	202-A001		1	Lump Sum	Removal of Obstructions
0040	202-B007		97,946	Square Yard	Removal of Asphalt Pavement, All Depths
0050	202-B019		230	Linear Feet	Removal of Box Culvert
0060	202-B020		60	Square Yard	Removal of Brick Driveways, All Depths
0070	202-B052		2,762	Square Yard	Removal of Concrete Driveways, All Depths
0080	202-B088		667	Linear Feet	Removal of Curb & Gutter, All Types
0090	202-B092		390	Linear Feet	Removal of Curb, All Types
0100	202-B129		2	Each	Removal of Flared End Section, All Sizes
0110	202-B158		1,365	Linear Feet	Removal of Guard Rail, Including Rails, Posts and Terminal Ends
0120	202-B191		3,962	Linear Feet	Removal of Pipe, 8" And Above
0130	202-B240		36,500	Linear Feet	Removal of Traffic Stripe
0140	203-A001	(E)	481,198	Cubic Yard	Unclassified Excavation, FM, AH
0150	203-EX017	(E)	2,172,507	Cubic Yard	Borrow Excavation, AH, FME, Class B7
0160	203-EX018	(E)	130,241	Cubic Yard	Borrow Excavation, AH, FME, Class B7-6
0170	203-G001	(E)	555,611	Cubic Yard	Excess Excavation, FM, AH
0180	206-A001	(S)	15,588	Cubic Yard	Structure Excavation
0190	206-B001	(E)	2,980	Cubic Yard	Select Material for Undercuts, Contractor Furnished, FM
0200	209-A005		728,560	Square Yard	Geotextile Stabilization, Type V, Non-Woven
0210	211-B001	(E)	64,901	Cubic Yard	Topsoil for Slope Treatment, Contractor Furnished
0220	213-C001		121	Ton	Superphosphate
0230	216-A001		16,482	Square Yard	Solid Sodding
0240	217-A001		17,683	Square Yard	Ditch Liner
0250	219-A001		330	Thousand Gallon	Watering [\$20.00]
0260	220-A001		241	Acre	Insect Pest Control [\$30.00]
0270	221-A001	(S)	320	Cubic Yard	Concrete Paved Ditch
0280	223-A001		241	Acre	Mowing [\$50.00]
0290	225-A001		241	Acre	Grassing
0300	225-B001		724	Ton	Agricultural Limestone
0310	225-C001		483	Ton	Mulch, Vegetative Mulch
0320	226-A001		243	Acre	Temporary Grassing

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0330	229-A001		14,846	Square Yard	Erosion Mat
0340	230-B049		300	Each	Tree Planting, Little Gem Magnolia
0350	236-A008		172	Each	Silt Basin, Type D
0360	237-A002		50,000	Linear Feet	Wattles, 20"
0370	239-A001		12,630	Linear Feet	Temporary Slope Drains
0380	246-B001		20,595	Each	Rockbags
0390	247-A001		5	Each	Temporary Stream Diversion
0400	249-A001		4,000	Ton	Riprap for Erosion Control
0410	403-A001	(BA1)	57,570	Ton	12.5-mm, HT, Asphalt Pavement
0420	403-A002	(BA1)	6,997	Ton	12.5-mm, MT, Asphalt Pavement
0430	403-A003	(BA1)	3,240	Ton	12.5-mm, ST, Asphalt Pavement
0440	403-A004	(BA1)	76,030	Ton	19-mm, HT, Asphalt Pavement
0450	403-A005	(BA1)	7,680	Ton	19-mm, MT, Asphalt Pavement
0460	403-A006	(BA1)	96,060	Ton	19-mm, ST, Asphalt Pavement
0470	403-A013	(BA1)	39,700	Ton	9.5-mm, HT, Asphalt Pavement
0480	403-A014	(BA1)	5,730	Ton	9.5-mm, MT, Asphalt Pavement
0490	403-A015	(BA1)	2,100	Ton	9.5-mm, ST, Asphalt Pavement
0500	403-B001	(BA1)	200	Ton	12.5-mm, HT, Asphalt Pavement, Leveling
0510	403-B002	(BA1)	270	Ton	12.5-mm, MT, Asphalt Pavement, Leveling
0520	406-A002		16,750	Square Yard	Cold Milling of Bituminous Pavement, All Depths
0530	407-A001	(A2)	116,460	Gallon	Asphalt for Tack Coat
0540	413-E001		1,152	Linear Feet	Sawing and Sealing Transverse Joints in Asphalt Pavement
0550	423-A001		36	Mile	Rumble Strips, Ground In
0560	501-E001		1,152	Linear Feet	Expansion Joints, Without Dowels
0570	502-A001	(C)	2,456	Square Yard	Reinforced Cement Concrete Bridge End Pavement
0580	503-C010		11,276	Linear Feet	Saw Cut, Full Depth
0590	601-A001	(S)	1,433	Cubic Yard	Class "B" Structural Concrete
0600	601-B001	(S)	186	Cubic Yard	Class "B" Structural Concrete, Minor Structures
0610	602-A001	(S)	330,885	Pounds	Reinforcing Steel
0620	603-ALT003	(S)	788	Linear Feet	18" Type A Alternate Pipe
0630	603-ALT003	(S)	812	Linear Feet	18" Type A Alternate Pipe Temporary
0640	603-ALT006	(S)	4,228	Linear Feet	24" Type A Alternate Pipe
0650	603-ALT008	(S)	80	Linear Feet	29" x 18" Type A Alternate Pipe Temporary
0660	603-ALT009	(S)	64	Linear Feet	30" Type A Alternate Pipe Temporary

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0670	603-ALT011	(S)	336	Linear Feet	36" Type A Alternate Pipe
0680	603-ALT014	(S)	56	Linear Feet	42" Type A Alternate Pipe Temporary
0690	603-ALT016	(S)	64	Linear Feet	48" Type A Alternate Pipe
0700	603-CA012	(S)	6,410	Linear Feet	18" Reinforced Concrete Pipe, Class III, Rubber Type Gaskets
0710	603-CA027	(S)	2,428	Linear Feet	24" Reinforced Concrete Pipe, Class III, Rubber Type Gaskets
0720	603-CA041	(S)	208	Linear Feet	30" Reinforced Concrete Pipe, Class III, Rubber Type Gaskets
0730	603-CA056	(S)	880	Linear Feet	36" Reinforced Concrete Pipe, Class III, Rubber Type Gaskets
0740	603-CA061	(S)	592	Linear Feet	36" Reinforced Concrete Pipe, Class IV, Rubber Type Gaskets
0750	603-CA067	(S)	544	Linear Feet	42" Reinforced Concrete Pipe, Class III, Rubber Type Gaskets
0760	603-CA071	(S)	240	Linear Feet	42" Reinforced Concrete Pipe, Class IV, Rubber Type Gaskets
0770	603-CA077	(S)	1,520	Linear Feet	48" Reinforced Concrete Pipe, Class III, Rubber Type Gaskets
0780	603-CA088	(S)	416	Linear Feet	54" Reinforced Concrete Pipe, Class III, Rubber Type Gaskets
0790	603-CA098	(S)	312	Linear Feet	54" Reinforced Concrete Pipe, Class V, Rubber Type Gaskets
0800	603-CA100	(S)	1,320	Linear Feet	60" Reinforced Concrete Pipe, Class III, Rubber Type Gasket
0810	603-CA139	(S)	488	Linear Feet	48" Reinforced Concrete Pipe, Class V, Rubber Type Gaskets
0820	603-CB003	(S)	60	Each	18" Reinforced Concrete End Section
0830	603-CB004	(S)	56	Each	24" Reinforced Concrete End Section
0840	603-CB005	(S)	4	Each	30" Reinforced Concrete End Section
0850	603-CB006	(S)	22	Each	36" Reinforced Concrete End Section
0860	603-CB007	(S)	10	Each	42" Reinforced Concrete End Section
0870	603-CB008	(S)	22	Each	48" Reinforced Concrete End Section
0880	603-CB009	(S)	8	Each	54" Reinforced Concrete End Section
0890	603-CB010	(S)	16	Each	60" Reinforced Concrete End Section
0900	603-CE009	(S)	336	Linear Feet	29" x 18" Concrete Arch Pipe, Class A III, Flexible Plastic Gaskets
0910	603-CE014	(S)	72	Linear Feet	36" x 23" Concrete Arch Pipe, Class A III, Flexible Plastic Gaskets
0920	603-CE019	(S)	328	Linear Feet	44" x 27" Concrete Arch Pipe, Class A III, Flexible Plastic Gaskets
0930	603-CE024	(S)	192	Linear Feet	51" x 31" Concrete Arch Pipe, Class A III, Flexible Plastic Gaskets
0940	603-CE029	(S)	496	Linear Feet	58" x 36" Concrete Arch Pipe, Class A III, Flexible Plastic Gaskets
0950	603-CE035	(S)	152	Linear Feet	65" x 40" Concrete Arch Pipe, Class A III, Flexible Plastic Gaskets
0960	603-CF003	(S)	10	Each	29" x 18" Concrete Arch Pipe End Section
0970	603-CF004	(S)	2	Each	36" x 23" Concrete Arch Pipe End Section
0980	603-CF005	(S)	6	Each	44" x 27" Concrete Arch Pipe End Section
0990	603-CF006	(S)	6	Each	51" x 31" Concrete Arch Pipe End Section

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
1000	603-CF007	(S)	10	Each	58" x 36" Concrete Arch Pipe End Section
1010	603-CF008	(S)	4	Each	65" x 40" Concrete Arch Pipe End Section
1020	604-A001		2,505	Pounds	Castings
1030	604-B001		24,350	Pounds	Gratings
1040	605-AA001	(S)	679	Square Yard	Geotextile for Subsurface Drainage, Type III
1050	605-O002	(S)	1,222	Linear Feet	4" Perforated Sewer Pipe for Underdrains, SDR 23.5
1060	605-O004	(S)	1,000	Linear Feet	6" Perforated Sewer Pipe for Underdrains, SDR 23.5
1070	605-P002	(S)	156	Linear Feet	4" Non-perforated Sewer Pipe for Underdrains, SDR 23.5
1080	605-W001	(GY)	45	Cubic Yard	Filter Material for Combination Storm Drain and/or Underdrains, Type A, FM
1090	606-B001		4,513	Linear Feet	Guard Rail, Class A, Type 1
1100	606-D022		38	Each	Guard Rail, Bridge End Section, Type I
1110	606-E005		38	Each	Guard Rail, Terminal End Section, Flared
1120	607-A001		58,171	Linear Feet	31.5" Type "A" Woven Wire Fence, w/ Barbed Wire as Shown
1130	607-E001		3,550	Linear Feet	Barbed Wire Fence, Single Strand
1140	607-G087		18	Each	Gate, 12' x 52" Aluminum
1150	607-P1011		2,837	Each	Line Post, 7' x 4" Timber
1160	607-P1019		567	Each	Line Post, 9' x 4" Timber
1170	607-P1022		47	Each	Line Post, 10' x 1 1/2" Galvanized Steel
1180	607-P1025		378	Each	Line Post, 10' x 4" Timber
1190	607-P2009		503	Each	Brace Post, 8' x 6" Timber
1200	607-P2010		296	Each	Brace Post, 8' x 6" x 6" Concrete
1210	607-P2015		101	Each	Brace Post, 10' x 6" Timber
1220	607-P2016		59	Each	Brace Post, 10' x 6" x 6" Concrete
1230	607-P2019		67	Each	Brace Post, 12' x 6" Timber
1240	607-P2020		40	Each	Brace Post, 12' x 6" x 6" Concrete
1250	607-P3006		18	Each	Gate Post, 8' x 6" Timber
1260	607-Z001		1,083	Each	Concrete Anchors
1270	609-B003	(S)	1,564	Linear Feet	Concrete Curb, Special Design
1280	609-C001	(S)	42	Linear Feet	Concrete Integral Curb, Type 1
1290	609-D004	(S)	16,926	Linear Feet	Combination Concrete Curb and Gutter Type 2 Modified
1300	609-D012	(S)	7,455	Linear Feet	Combination Concrete Curb and Gutter Type 3A Modified
1310	609-D013	(S)	247	Linear Feet	Combination Concrete Curb and Gutter Type 3B
1320	614-A001	(S)	786	Square Yard	Concrete Driveway, Without Reinforcement
1330	615-A002	(S)	520	Linear Feet	Concrete Bridge End Barrier, 33.5"

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
1340	615-A012	(S)	575	Linear Feet	Concrete Type I Modified Cast-in-Place Median Barrier
1350	616-A001	(S)	7,358	Square Yard	Concrete Median and/or Island Pavement, 10-inch
1360	616-A004	(S)	1,745	Square Yard	Concrete Median and/or Island Pavement, 4-inch
1370	617-A001		773	Each	Right-of-Way Marker
1380	618-A001		1	Lump Sum	Maintenance of Traffic
1390	619-A1001		45	Mile	Temporary Traffic Stripe, Continuous White
1400	619-A2001		29	Mile	Temporary Traffic Stripe, Continuous Yellow
1410	619-A3001		6	Mile	Temporary Traffic Stripe, Skip White
1420	619-A4002		5	Mile	Temporary Traffic Stripe, Skip Yellow
1430	619-A5001		155,675	Linear Feet	Temporary Traffic Stripe, Detail
1440	619-A6001		5,486	Square Feet	Temporary Traffic Stripe, Legend
1450	619-A6002		2,660	Linear Feet	Temporary Traffic Stripe, Legend
1460	619-C7001		500	Each	Two-Way Yellow Reflective High Performance Raised Marker
1470	619-D1001		144	Square Feet	Standard Roadside Construction Signs, Less than 10 Square Feet
1480	619-D2001		5,883	Square Feet	Standard Roadside Construction Signs, 10 Square Feet or More
1490	619-E1001		1	Each	Flashing Arrow Panel, Type C
1500	619-F1001		1,040	Linear Feet	Concrete Median Barrier, Precast
1510	619-G4001		72	Linear Feet	Barricades, Type III, Double Faced
1520	619-G4005		3,046	Linear Feet	Barricades, Type III, Single Faced
1530	619-G5001		440	Each	Free Standing Plastic Drums
1540	619-G7001		81	Each	Warning Lights, Type "B"
1550	619-G8001		39	Each	Warning Lights, Type "C"
1560	619-J1003		5	Each	Impact Attenuator, 50 MPH
1570	619-J2003		3	Each	Impact Attenuator, 50 MPH, Replacement Package
1580	619-K2004		6	Each	Installation and Removal of Guard Rail, Type I Bridge End Section
1590	619-K4001		6	Each	Installation and Removal of Guardrail, Terminal End Section
1600	620-A001		1	Lump Sum	Mobilization
1610	626-A001		16	Mile	6" Thermoplastic Double Drop Traffic Stripe, Skip White
1620	626-C002		31	Mile	6" Thermoplastic Double Drop Edge Stripe, Continuous White
1630	626-D002		40	Linear Feet	6" Thermoplastic Double Drop Traffic Stripe, Skip Yellow
1640	626-E001		12	Mile	6" Thermoplastic Double Drop Traffic Stripe, Continuous Yellow
1650	626-F001		16	Mile	6" Thermoplastic Double Drop Edge Stripe, Continuous Yellow
1660	626-G002		109,561	Linear Feet	Thermoplastic Detail Stripe, White

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
1670	626-G003		55,501	Linear Feet	Thermoplastic Detail Stripe, Yellow
1680	626-H004		5,706	Square Feet	Thermoplastic Legend, White
1690	626-H005		1,988	Linear Feet	Thermoplastic Legend, White
1700	627-J001		1,004	Each	Two-Way Clear Reflective High Performance Raised Markers
1710	627-K001		4,687	Each	Red-Clear Reflective High Performance Raised Markers
1720	627-L001		1,806	Each	Two-Way Yellow Reflective High Performance Raised Markers
1730	629-A002		1	Each	Vehicular Impact Attenuator, 50 MPH
1740	630-A001		1,112	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness
1750	630-A003		960	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness
1760	630-A005		589	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.1" Thickness
1770	630-B002		1,295	Square Feet	Interstate Directional Signs, Bolted Extruded Aluminum Panels, Ground Mounted
1780	630-C002		70	Linear Feet	Steel U-Section Posts, 2.0 lb/ft
1790	630-C003		2,710	Linear Feet	Steel U-Section Posts, 3.0 lb/ft
1800	630-D007		448	Linear Feet	Structural Steel Beams, W6 x 15
1810	630-D008		294	Linear Feet	Structural Steel Beams, W6 x 9
1820	630-E001		724	Pounds	Structural Steel Angles & Bars, 3 1/2" x 3 1/2" x 1/4" Angles
1830	630-E002		259	Pounds	Structural Steel Angles & Bars, 3" x 3" x 1/4" Angles
1840	630-E004		1,752	Pounds	Structural Steel Angles & Bars, 7/16" x 2 1/2" Flat Bar
1850	630-F006		132	Each	Delineators, Guard Rail, White
1860	630-F007		70	Each	Delineators, Guard Rail, Yellow
1870	630-G003		16	Each	Type 3 Object Markers, OM-3L, Post Mounted
1880	630-G007		16	Each	Type 3 Object Markers, OM-3R, Post Mounted
1890	630-K001		243	Linear Feet	Welded & Seamless Steel Pipe Posts, 3 1/2"
1900	630-K002		121	Linear Feet	Welded & Seamless Steel Pipe Posts, 3"
1910	630-K003		1,603	Linear Feet	Welded & Seamless Steel Pipe Posts, 4"
1920	635-A059		6	Each	Traffic Signal Head, Type 1
1930	635-A065		2	Each	Traffic Signal Head, Type 2 FYA
1940	635-A070		2	Each	Traffic Signal Head, Type 3
1950	638-A006		1	Each	Flasher Assembly, Prepare To Stop
1960	647-A001		1	Lump Sum	Removal of Existing Traffic Signal Equipment
1970	699-A001		1	Lump Sum	Roadway Construction Stakes
1980	815-A007	(S)	24,098	Ton	Loose Riprap, Size 300
1990	815-E001	(S)	4,970	Square Yard	Geotextile under Riprap

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
2000	815-F002	(S)	3,702	Ton	Sediment Control Stone
2010	907-234-A001		175,000	Linear Feet	Temporary Silt Fence
2020	907-234-D001		67	Each	Inlet Siltation Guard
2030	907-234-E001		67	Each	Reset Inlet Siltation Guard
2040	907-240-A001		47,212	Square Yard	Interlocking Flexible Block Erosion Control System
2050	907-619-E3001		4	Each	Changeable Message Sign
2060	907-632-A007		1	Each	Solid State Traffic Cabinet Assembly, Type III Cabinet, Type 1 Controller
2070	907-632-J001		1	Each	Power Service Pedestal
2080	907-634-A081		1	Each	Traffic Signal Equipment Pole, Type II, 17' Shaft, 35' Arm
2090	907-634-A082		2	Each	Traffic Signal Equipment Pole, Type II, 17' Shaft, 40' Arm
2100	907-634-A083		1	Each	Traffic Signal Equipment Pole, Type II, 17' Shaft, 45' Arm
2110	907-634-C002		16	Cubic Yard	Pole Foundations, Class "DS" Concrete
2120	907-634-D003		60	Linear Feet	Slip Casing, 36" Diameter
2130	907-636-B013		911	Linear Feet	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 14, 4 Conductor
2140	907-636-B016		468	Linear Feet	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 14, 8 Conductor
2150	907-636-B028		25	Linear Feet	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 8, 3 Conductor
2160	907-636-D008		244	Linear Feet	Electric Cable, Aerial Supported in Conduit, IMSA 20-1, AWG 14, 8 Conductor
2170	907-637-A002		4	Each	Pullbox Enclosure, Type 2
2180	907-637-A003		1	Each	Pullbox Enclosure, Type 3
2190	907-637-C028		889	Linear Feet	Traffic Signal Conduit, Underground, Type 4, 2"
2200	907-637-C030		30	Linear Feet	Traffic Signal Conduit, Underground, Type 4, 3"
2210	907-637-D003		302	Linear Feet	Traffic Signal Conduit, Underground Drilled or Jacked, Rolled Pipe, 3"
2220	907-641-A002		4	Each	Signal Stop Bar Radar Vehicle Detection Sensor, Type 2
2230	907-641-B002		2	Each	Signal Advanced Radar Vehicle Detection Sensor, Type 2
2240	907-641-D001		994	Linear Feet	Radar Vehicle Detection Cable
2250	907-650-A003		1	Each	On Street Video Equipment, PTZ Type
2260	907-653-B001		46	Square Feet	Street Name Sign
2270	907-663-A001		1	Each	Network Switch, Type A
2280	907-804-B001	(S)	520	Cubic Yard	Box Bridge Concrete, Class B
2290	907-906001		2,080	Hours	Trainees [\$5.00]
ALTERNATE GROUP AA NUMBER 1					
2300	304-F001	(GT)	258,050	Ton	3/4" and Down Crushed Stone Base
ALTERNATE GROUP AA NUMBER 2					
2310	304-F002	(GT)	258,050	Ton	Size 610 Crushed Stone Base

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
ALTERNATE GROUP AA NUMBER 3					
2320	304-F003	(GT)	258,050	Ton	Size 825B Crushed Stone Base
ALTERNATE GROUP BB NUMBER 1					
2330	605-W002	(GY)	592	Cubic Yard	Filter Material for Combination Storm Drain and/or Underdrains, Type B, FM
ALTERNATE GROUP BB NUMBER 2					
2340	605-W003	(GY)	592	Cubic Yard	Filter Material for Combination Storm Drain and/or Underdrains, Type C, FM
ALTERNATE GROUP CC NUMBER 1					
2350	907-624-A002		4,542	Linear Feet	6" Inverted Profile Thermoplastic Traffic Stripe, Skip White
2360	907-624-B002		8,684	Linear Feet	6" Inverted Profile Thermoplastic Traffic Stripe, Continuous White
2370	907-624-D002		11,506	Linear Feet	6" Inverted Profile Thermoplastic Traffic Stripe, Continuous Yellow
2380	907-624-E003		2,391	Linear Feet	Inverted Profile Thermoplastic Detail Traffic Stripe, Yellow
ALTERNATE GROUP CC NUMBER 2					
2390	628-G001		4,542	Linear Feet	6" High Performance Cold Plastic Traffic Stripe, Skip White
2400	628-H001		8,684	Linear Feet	6" High Performance Cold Plastic Traffic Stripe, Continuous White
2410	628-J001		11,506	Linear Feet	6" High Performance Cold Plastic Traffic Stripe, Continuous Yellow
2420	628-K002		2,391	Linear Feet	High Performance Cold Plastic Detail Stripe, Yellow
Bridge Items					
2012	907-234-C001		19,345	Linear Feet	Super Silt Fence
2430	501-K001		27,473	Square Yard	Transverse Grooving
2440	801-A001	(S)	2,179	Cubic Yard	Foundation Excavation
2450	803-C003	(S)	15,890	Linear Feet	16" x 16" Prestressed Concrete Piling
2460	803-C004	(S)	43,680	Linear Feet	18" x 18" Prestressed Concrete Piling
2470	803-K009	(S)	3,898	Linear Feet	Drilled Shaft, 66" Diameter
2480	803-L005	(S)	3	Each	Test Shaft, 66" Diameter
2490	803-M008	(S)	168	Linear Feet	Trial Shaft, 66" Diameter
2492	803-N001	(S)	230	Linear Feet	Exploration
2500	804-C002	(S)	2,977	Linear Feet	100' Prestressed Concrete Beam, Type IV
2510	804-C011	(S)	627	Linear Feet	105' Prestressed Concrete Beam, Type BT-72
2520	804-C012	(S)	1,254	Linear Feet	105' Prestressed Concrete Beam, Type IV
2530	804-C026	(S)	1,318	Linear Feet	110' Prestressed Concrete Beam, Type IV
2540	804-C032	(S)	2,400	Linear Feet	115' Prestressed Concrete Beam, Type BT-63
2550	804-C051	(S)	777	Linear Feet	130' Prestressed Concrete Beam, Type BT-72
2560	804-C065	(S)	15,111	Linear Feet	40' Prestressed Concrete Beam, Type I+2
2570	804-C086	(S)	357	Linear Feet	60' Prestressed Concrete Beam, Type IV

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
2580	804-C095	(S)	1,548	Linear Feet	65' Prestressed Concrete Beam, Type IV
2590	804-C122	(S)	479	Linear Feet	80' Prestressed Concrete Beam, Type IV
2600	804-C129	(S)	7,123	Linear Feet	85' Prestressed Concrete Beam, Type IV
2610	804-C142	(S)	1,070	Linear Feet	90' Prestressed Concrete Beam, Type IV
2620	804-C150	(S)	662	Linear Feet	95' Prestressed Concrete Beam, Type BT-63
2630	804-C152	(S)	4,535	Linear Feet	95' Prestressed Concrete Beam, Type IV
2640	805-A001	(S)	2,768,158	Pounds	Reinforcement
2650	813-A002	(S)	13,452	Linear Feet	Concrete Railing, 32"
2660	815-A007	(S)	4,463	Ton	Loose Riprap, Size 300
2670	815-D001	(S)	629	Cubic Yard	Concrete Slope Paving
2680	815-E001	(S)	6,058	Square Yard	Geotextile under Riprap
2682	907-803-B001	(S)	25	Each	Conventional Static Pile Load Test [\$5,000.00]
2690	907-803-I002	(S)	35	Each	PDA Test Pile, Concrete Pile
2700	907-803-J001	(S)	33	Each	Pile Restrike
2710	907-804-A002	(S)	4,803	Cubic Yard	Bridge Concrete, Class AA
2720	907-804-A004	(S)	8,217	Cubic Yard	Bridge Concrete, Class BD
2722	907-823-A001		1,576	Linear Feet	Preformed Joint Seal, Type I
2724	907-823-A002		889	Linear Feet	Preformed Joint Seal, Type II

DESCRIPTION OF SHEETS	WORKING NO(S).	SHEET NO(S).
DETAILED INDEX (BRIDGE)	DI-BR-1	8001
DETAILED INDEX (BRIDGE)	DI-BR-2	8002
DETAILED INDEX (BRIDGE)	DI-BR-3	8003
SUMMARY OF QUANTITIES (BRIDGE)	SQ-BR-1	8004
SR 57 OVER GAUTIER VANCLEAVE ROAD	A1	8005
SR 57 OVER GAUTIER VANCLEAVE ROAD	A2	8006
FOUNDATION PLAN	A3	8007
GENERALIZED SOIL PROFILE	A4	8008
END BENT NO. 1L	A5	8009
END BENT NO. 4L	A6	8010
END BENT NO. 1R	A7	8011
END BENT NO. 4R	A8	8012
END BENT DETAILS	A9	8013
INT. BENT NOS. 2L & 3L	A10	8014
INT. BENT NOS. 2R & 3R	A11	8015
INT. BENT DETAILS	A12	8016
95 FT. SPAN DETAILS	A13	8017
100 FT. SPAN DETAILS	A14	8018
SPAN DETAILS	A15	8019
SPAN DETAILS	A16	8020
MISCELLANEOUS SPAN DETAILS	A17	8021
95'-0" BEAM DETAILS (TYPE IV)	A18	8022
100'-0" BEAM DETAILS (TYPE IV)	A19	8023
NEOPRENE PAD DETAILS	A20	8024
NON-SEISMIC 14", 16", 18" & 20" SQUARE PRESTRESSED CONCRETE PILES	A21	8025
2'-8" RAILING DETAILS	A22	8026
SR 57 OVER HUMPHREY FARMS ROAD	B1	8027
SR 57 OVER HUMPHREY FARMS ROAD	B2	8028
FOUNDATION PLAN	B3	8029
GENERALIZED SOIL PROFILE	B4	8030
END BENT NO. 1L	B5	8031
END BENT NO. 4L	B6	8032
END BENT NO. 1R	B7	8033
END BENT NO. 4R	B8	8034
END BENT DETAILS	B9	8035
INT. BENT NOS. 2L & 3L	B10	8036
INT. BENT NOS. 2R & 3R	B11	8037
INT. BENT DETAILS	B12	8038
SPAN NOS. 1-3 DETAILS	B13	8039
SPAN NOS. 1-3 DETAILS	B14	8040
SPAN NOS. 1-3 DETAILS	B15	8041
MISCELLANEOUS SPAN DETAILS	B16	8042
65'-0" BEAM DETAILS (TYPE IV)	B17	8043
90'-0" BEAM DETAILS (TYPE IV)	B18	8044
NEOPRENE PAD DETAILS	B19	8045

DESCRIPTION OF SHEETS	WORKING NO(S).	SHEET NO(S).
SR 57 UNDER SR 57 CONNECTOR SOUTH	C1	8046
SR 57 UNDER SR 57 CONNECTOR SOUTH	C2	8047
FOUNDATION PLAN	C3	8048
GENERALIZED SOIL PROFILE	C4	8049
END BENT NO. 1	C5	8050
END BENT NO. 5	C6	8051
END BENT DETAILS	C7	8052
INT. BENT NO. 2	C8	8053
INT. BENT NO. 3	C9	8054
INT. BENT NO. 4	C10	8055
INT. BENT DETAILS	C11	8056
SPAN NO. 1 DETAILS	C12	8057
SPAN NO. 2 DETAILS	C13	8058
SPAN NO. 3 DETAILS	C14	8059
SPAN NO. 4 DETAILS	C15	8060
SPAN DETAILS	C16	8061
SPAN DETAILS	C17	8062
MISCELLANEOUS SPAN DETAILS	C18	8063
100'-0" BEAM DETAILS (TYPE IV)	C19	8064
100'-0" BEAM DETAILS (TYPE IV)	C20	8065
60'-0" BEAM DETAILS (TYPE IV)	C21	8066
NEOPRENE PAD DETAILS	C22	8067
SR 57 OVER LITTLE BLUFF CREEK	D1	8068
SR 57 OVER LITTLE BLUFF CREEK	D2	8069
FOUNDATION PLAN	D3	8070
GENERALIZED SOIL PROFILE	D4	8071
GENERALIZED SOIL PROFILE	D5	8072
END BENT NO. 1L	D6	8073
END BENT NO. 1R	D7	8074
END BENT NO. 8L	D8	8075
END BENT NO. 8R	D9	8076
END BENT DETAILS	D10	8077
INT. BENT NO. 2L-7L	D11	8078
INT. BENT NO. 2R-7R	D12	8079
SPAN DETAILS	D13	8080
SPAN DETAILS	D14	8081
SPAN DETAILS	D15	8082

STATE	PROJECT NO.
MISS.	5TP-0066-01(008)

BRIDGE DIVISION		
REVISIONS		
DATE	SHEET NO.	BY
9/9/2022	8004, 8005, 8027, 8046, 8068, 8087, 8108, 8154 & 8202	MHH



MISSISSIPPI DEPARTMENT OF TRANSPORTATION		WORKING NUMBER	8001
DETAILED INDEX (BRIDGE)		SHEET NUMBER	DI-BR-1
PROJECT 103060/301000		COUNTY JACKSON	
STP-0066-01(008)		JACKSON COUNTY	
DESIGNER	Mason Atkinson	CHECKER	Nick Atobeili
DATE		ISSUE DATE	
DETAILER	Mason Atkinson	DIRECTOR OF STRUCTURES, STATE BRIDGE ENGINEER - JUSTIN WALKER PE.	
		DEP. DIR. OF STRUCTURES, ASSIST. STATE BRIDGE ENGINEER - SCOTT WESTERFIELD PE.	

ADDENDUM

STATE PROJECT NO.
MISS. STP-0066-01(008)

SUMMARY OF QUANTITIES

PAY ITEM NO.	PAY ITEM	UNIT	QUANTITIES	
			PRELIMINARY	FINAL
	Bridge Summary			
501-K001	Transverse Grooving	SY	27,473	
801-A001	Foundation Excavation	CY	2,179	
907-803-B001	Conventional Static Pile Load Test	EA	25	▲
803-C003	16" x 16" Prestressed Concrete Piling	LF	15,890	
803-C004	18" x 18" Prestressed Concrete Piling	LF	43,680	
907-803-I002	PDA Test Pile, Concrete Pile	EA	35	
907-803-I001	Pile Restrike	EA	33	
803-K009	Drilled Shaft, 66" Diameter	LF	3,898	
803-L005	Test Shaft, 66" Diameter	EA	3	
803-M008	Trial Shaft, 66" Diameter	LF	168	
803-N001	Exploration	LF	230	
907-804-A002	Bridge Concrete, Class AA	CY	4,803	▲
907-804-A004	Bridge Concrete, Class BD	CY	8,217	
804-C002	100' Prestressed Concrete Beam, Type IV	LF	2,977	
804-C011	105' Prestressed Concrete Beam, Type BT-72	LF	627	
804-C012	105' Prestressed Concrete Beam, Type IV	LF	1,254	
804-C026	110' Prestressed Concrete Beam, Type IV	LF	1,318	
804-C032	115' Prestressed Concrete Beam, Type BT-63	LF	2,400	
804-C051	130' Prestressed Concrete Beam, Type BT-72	LF	777	
804-C065	40' Prestressed Concrete Beam, Type I+2	LF	15,111	
804-C086	60' Prestressed Concrete Beam, Type IV	LF	357	
804-C095	65' Prestressed Concrete Beam, Type IV	LF	1,548	
804-C122	80' Prestressed Concrete Beam, Type IV	LF	479	
804-C129	85' Prestressed Concrete Beam, Type IV	LF	7,123	
804-C142	90' Prestressed Concrete Beam, Type IV	LF	1,070	
804-C150	95' Prestressed Concrete Beam, Type BT-63	LF	662	
804-C152	95' Prestressed Concrete Beam, Type IV	LF	4,535	
805-A001	Reinforcement	LBS	2,768,158	
813-A002	Concrete Railing, 32"	LF	13,452	
815-A007	Loose Riprap, Size 300	TON	4,463	
815-D001	Concrete Slope Paving	CY	629	
815-E001	Geotextile under Riprap	SY	6,058	
907-823-A001	Preformed Joint Seal, Type I	LF	1,576	▲
907-823-A002	Preformed Joint Seal, Type II	LF	889	▲



By	Revision	Date	
JL	Pay Item Added	09/12/2022	
MISSISSIPPI DEPARTMENT OF TRANSPORTATION SUMMARY OF QUANTITIES (BRIDGE ITEMS) PROJECT STP-0066-01(008) 103060-301000			
JACKSON COUNTY DESIGNER JLL CHECKER PCC DETAILER JLL ISSUE DATE 9/9/2022			
			WORKING NUMBER SQ-BR-1
			SHEET NUMBER 8004
DIRECTOR OF STRUCTURES, STATE BRIDGE ENGINEER - SCOTT WESTERFIELD, P.E. DEPT. DIR. OF STRUCTURES, ASST. STATE BRIDGE ENGINEER - MICAH DEW, P.E.			



DATE: 09/09/2022

ADDENDUM

ESTIMATED BRIDGE QUANTITIES

ITEM	Transverse Grooving	Foundation Excavation For Bridges	Conventional Static Load Test	16"x16" Prestressed Concrete Piling	18"x18" Prestressed Concrete Piling	PDA Test Pile, Concrete Pile	Pile Restrike	Bridge Concrete, Substructure, Class "AA"	Bridge Concrete, Superstructure, Class "BD"	95 Ft. Prestressed Concrete Beam, Type IV	100 Ft. Prestressed Concrete Beam, Type IV	Reinforcement	Concrete Railing, 32"	Concrete Slope Paving	Preformed Joint Seal, Type I
Spans	1160.00	Cubic Yard	Each	Lin. Ft.	Lin. Ft.	Each	Each	Cubic Yard	Cubic Yard	Lin. Ft.	Lin. Ft.	Lbs.	Lin. Ft.	Cubic Yard	Lin. Ft.
End Bents			1	2100.0		1	1	350.76		1133.50	595.00	91,413	580.00		85.3
Int. Bents		233.0	1		1750.0	1	1	199.71				34,731	4.36	129.6	
Totals	1160.00	233.0	2	2100.0	1750.0	2	2	294.63	350.76	1133.50	595.00	139,506	584.36	129.6	85.3

Left Lane

ESTIMATED BRIDGE QUANTITIES

ITEM	Transverse Grooving	Foundation Excavation For Bridges	Conventional Static Load Test	16"x16" Prestressed Concrete Piling	18"x18" Prestressed Concrete Piling	PDA Test Pile, Concrete Pile	Pile Restrike	Bridge Concrete, Substructure, Class "AA"	Bridge Concrete, Superstructure, Class "BD"	95 Ft. Prestressed Concrete Beam, Type IV	100 Ft. Prestressed Concrete Beam, Type IV	Reinforcement	Concrete Railing, 32"	Concrete Slope Paving	Preformed Joint Seal, Type I
Spans	1160.00	Cubic Yard	Each	Lin. Ft.	Lin. Ft.	Each	Each	Cubic Yard	Cubic Yard	Lin. Ft.	Lin. Ft.	Lbs.	Lin. Ft.	Cubic Yard	Lin. Ft.
End Bents			1	2100.0		1	1	95.01	350.76	1133.50	595.00	91,413	580.00		85.3
Int. Bents		264.0	1		1750.0	1	1	199.71				13,362	4.36	129.5	
Totals	1160.00	264.0	2	2100.0	1750.0	2	2	294.72	350.76	1133.50	595.00	139,506	584.36	129.5	85.3

Right Lane

REQ. ULT. PILE BEARING CAPACITY AND TIP ELEVATION SCHEDULE

Bent No.	Pile Size	Required Ultimate Bearing (Tons)	Estimated Length (Ft.)	Minimum Tip Elevation
1L	16"x16"	92	60'	18
2L	18"x18"	173	50'	-6
3L	18"x18"	173	50'	-6
4L	16"x16"	92	60'	18
1R	16"x16"	92	60'	18
2R	18"x18"	173	50'	-6
3R	18"x18"	173	50'	-6
4R	16"x16"	92	60'	18

PDA TEST PILE SCHEDULE

Bent No.	Min. Length (Ft.)	Tip Elevation
1L	70	-16
3L	60	-40
2R	60	-41
4R	70	-16

DESIGN DATA

Specifications.....A.A.S.H.T.O. L.R.F.D. 2012
 And Current Interims
 Loading.....HL-93
 Roadway Width.....40'-0" (Gutter To Gutter)
 Concrete.....Class "AA" (4000 psi)
 Class "BD" (4000 psi)
 Seismic Performance Zone.....1 (S_v = 0.031, F_v = 2.40)
 Site Class.....D
 Operational Class.....Other

GENERAL NOTES:

Specifications: Mississippi Standard Specifications For Road And Bridge Construction, 2017.
 No Change Of Plans Will Be Permitted Except By Written Approval Of The Director Of Structures, State Bridge Engineer. Minor Changes In The Details Of Design Or Construction Procedure May Be Authorized By The Director Of Structures, State Bridge Engineer, Provided Such Changes Will Not Be Cause For Contract Price Adjustment.
 The Final Surface Texture Of The Bridge Deck Shall Be Mechanically Transverse Grooved In Accordance With Sections 501 And Special Provision 907-804 Of The Specifications. See Misc. Span Details For Limits Of Transverse Grooving On Bridge Deck.
 Bridge Concrete Shall Be Class "AA" Or "BD" As Stated In The Plans. Railing Expansion Joint Material Shall Be Bituminous Fiber Type Unless Otherwise Noted.
 No Payment Will Be Allowed For Excavation Incidental To The Construction Of End Bents.
 Bar Bending Details Shall Be In Accordance With "Manual Of Standard Practice For Detailing Reinforced Concrete Structures" (ACI 318R-94) Reinforcement Order Lists And Required Placing Plans Shall Be Furnished In Accordance With Section 805 Of The Mississippi Standard Specifications. Partial Submittals Are Not Acceptable.
 Shop Drawings Of Prestressed Beams, Including An Erection Plan, Shall Be Submitted In Duplicate To The Director Of Structures, State Bridge Engineer, For Approval Prior To The Manufacture Of The Beams.
 Concrete Surfaces Shall Receive A Class 2 Rubbed Or Spray Finish In Accordance With The Specifications.
 Reinforcing Steel Shall Be A.S.T.M. A615, Grade 60, Unless Otherwise Noted. Work For Which No Pay Items Are Provided In The Proposal Will Not Be Paid For Directly And Compensation Therefore Will Be Included In The Prices And Payments For Bid Items.
 See Sheet No. A18 For Deflection Notes For Prestressed Concrete Beams.

PRESTRESSED CONCRETE PILE NOTES:

Test Piles Shall Be Driven As Permanent Piles At The Location Shown In The PDA TEST PILE SCHEDULE And Will Be Paid For As Test Piles Only.
 The Director Of Structures, State Bridge Engineer, May Authorize Test Piles Driven Outside The Structural Limits.
 Test Piles Shall Be Driven As A Continuous Operation, To The Bearing Capacity And The Minimum Ground Penetration Shown In The PDA TEST PILE SCHEDULE, Unless Otherwise Directed By The Director Of Structures, State Bridge Engineer.
 Permanent Piles Shall Be Driven To An Elevation No Higher Than The Elevation Shown In The REQUIRED ULTIMATE PILE BEARING CAPACITY AND TIP ELEVATION SCHEDULE.
 The Tip Elevation Of Piling For Hydraulic Structures, May Be Determined By Scour Line.
 When Feasible, Bearing Piles Shall Be Driven Full Length And Shall Be Sliced, Only, As Approved By The Director Of Structures, State Bridge Engineer.
 When Loading Tests Are Required, The Maximum Test Load Shall Be One And A Half (1 1/2) Times The Required Ultimate Pile Bearing Capacity.
 All Piles Shall Be Prestressed Type Per Details On Sheet No. A21.
 Prestressed Concrete Piling Shall Not Be Driven Until The Concrete Has Reached A Minimum Compressive Strength Of 5000 PSI And Is At Least 7 Days Old.
 PDA Test Piles Shall Require A 1 Day Restrike Unless Otherwise Directed By The Engineer.
 Pile Lengths And Driving Criteria Shall Be Provided Based On The Results Of The PDA Test Piles.
 The Required Ultimate Pile Bearing Shown In The REQUIRED ULTIMATE PILE BEARING CAPACITY AND TIP ELEVATION SCHEDULE Includes The LRPD Resistance Factor For PDA Of 0.65.
 Pile Hammer Leads Used For All PDA Test Piles And PDA Restrikes Shall Be Large Enough To Provide A Minimum Of 3" Of Clearance On Each Side Of The Pile In Order To Properly Place And Protect PDA Gages.
 Concrete Piles Shall Be Driven With A Maximum Rated Energy Not Less Than 58,000 ft-lbs And No Greater Than 76,000 ft-lbs To Tip Elevations Specified Unless The Contractor's Drivability Analysis Utilizing The Contractor's Selected Alternative Hammer Is Approved By The Director of Structures, State Bridge Engineer.

BRIDGE SUPERSTRUCTURE CONSTRUCTION PLAN NOTE:

The Girder Deflection Diagrams Shown In These Plans Were Prepared And Intended For Design And Estimation Purposes Only. Actual Bridge Girder Deflections May Differ From The Deflection Diagrams Shown In These Plans. It Is The Contractor's Responsibility To Construct The Bridge To Meet The Requirements Of The Plans And Specifications Including, But Not Limited To, The Requirements For Bridge Deck Smoothness. Prior To Formwork Construction, The Contractor Shall Submit Three (3) Copies Of A Proposed BRIDGE SUPERSTRUCTURE CONSTRUCTION PLAN To The Bridge Engineer For Review, Through The Project Engineer. This Submittal Shall Include All Calculations, Assumptions And Parameters Used By The Contractor To Determine Bridge Girder Deflections And Form Grade Elevations. This Submittal Shall Also Include An Erection And Construction Procedure That Addresses The Construction Means And Methodologies Used By The Contractor And Shall Consider Effect's Including, But Not Limited To, Construction Phasing, Pouring Schedules, Applied Permanent And Construction Loading, And Shall Include Calculations And Details Of Temporary Girder Bracing Systems Used To Ensure Girder Stability And To Counter The Effects Of Order Tilt, After Girder Erection And Prior To Deck Construction. The Contractor Shall Submit Deck Thickness Verification Calculations For Each Girder. These Calculations Shall Include A Comparison Of The Erected Girder Top Flange Profiles Versus The Plan Deck Grade Elevations Over Each Girder Plus The Anticipated Girder Deflection Due To Applied Permanent Dead Load And Creep. Three (3) Copies Of The Deck Thickness Verification Calculations And Any Proposed Remediation Measures To Correct For Thin Deck Areas Shall Be Submitted To The Bridge Engineer For Review, Through The Project Engineer. The BRIDGE SUPERSTRUCTURE CONSTRUCTION PLAN And The Deck Thickness Verification Calculations Shall Be Prepared And Stamped By A Mississippi Registered Professional Engineer.

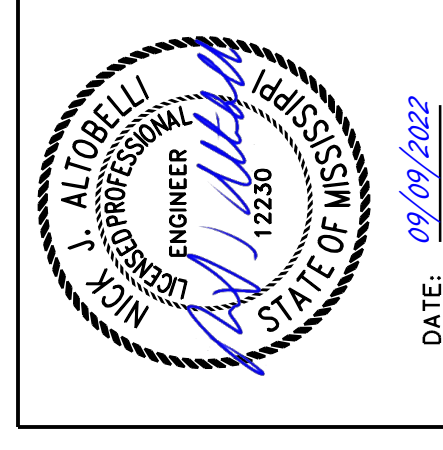
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 OVERPASS AT STA. 206+27.90 LT.LN.
 OVERPASS AT STA. 206+35.20 RT.LN.
 SR 57 OVER
 GAUTIER VANCELEAVE ROAD

PROJECT 103060/301000
 STP-0066-01(008)

JACKSON COUNTY

WORKING NUMBER A1 of 22
 SHEET NUMBER 8005

DESIGNER: Joel Sluimer
 CHECKER: Amjed Kharci
 DETAILER: Joel Sluimer
 ISSUE DATE: _____
 DIRECTOR OF STRUCTURES, STATE BRIDGE ENGINEER - JUSTIN WALKER PE
 DEPT. DR. OF STRUCTURES, ASSIST. STATE BRIDGE ENGINEER - SCOTT WESTERFIELD PE



DATE: 09/09/2022

ADDENDUM

STATE	PROJECT NO.
MISS.	STP-0066-01(008)

ESTIMATED BRIDGE QUANTITIES

ITEM LOCATION	Transverse Grooving	Foundation Excavation For Bridges	Conventional Static Load Test	16"x16" Prestressed Concrete Piling	18"x18" Prestressed Concrete Piling	PDA Test Pile, Concrete Pile	Pile Restrike	Bridge Concrete, Substructure, Class "AA"	Bridge Concrete, Superstructure, Class "BD"	90 Ft. Prestressed Concrete Beam, Type IV	65 Ft. Prestressed Concrete Beam, Type IV	Reinforcement	Concrete Railings, 32"	Concrete Slope Paving	Preformed Joint Seal, Type I
Spans	880.00														
End Bents			1	1400.0		1	1	93.99	263.81	535.00	773.50	64,183	440.00		85.0
Int. Bents		249.0	1		2275.0	1	1	178.76				13,137	4.50	99.7	
Totals	880.00	249.0	2	1400.0	2275.0	2	2	272.75	263.81	535.00	773.50	106,959	444.50	99.7	85.0

ESTIMATED BRIDGE QUANTITIES

ITEM LOCATION	Transverse Grooving	Foundation Excavation For Bridges	Conventional Static Load Test	16"x16" Prestressed Concrete Piling	18"x18" Prestressed Concrete Piling	PDA Test Pile, Concrete Pile	Pile Restrike	Bridge Concrete, Substructure, Class "AA"	Bridge Concrete, Superstructure, Class "BD"	90 Ft. Prestressed Concrete Beam, Type IV	65 Ft. Prestressed Concrete Beam, Type IV	Reinforcement	Concrete Railings, 32"	Concrete Slope Paving	Preformed Joint Seal, Type I
Spans	880.00														
End Bents		316.0	1	1400.0		1	1	93.99	263.81	535.00	773.50	64,183	440.00		85.0
Int. Bents		316.0	1		2275.0	1	1	178.76				13,137	4.50	91.2	
Totals	880.00	316.0	2	1400.0	2275.0	2	2	272.75	263.81	535.00	773.50	106,959	444.50	91.2	85.0

REQ. UL T. PILE BEARING CAPACITY AND TIP ELEVATION SCHEDULE

Bent No.	Pile Size	Required Ultimate Bearing (Tons.)	Estimated Length (Ft.)	Minimum Tip Elevation
1L	16"x16"	70	40	42
2L	18"x18"	160	65	20
3L	18"x18"	160	65	20
4L	16"x16"	70	40	42
1R	16"x16"	70	40	45
2R	18"x18"	160	65	20
3R	18"x18"	160	65	20
4R	16"x16"	70	40	45

PDA TEST PILE SCHEDULE

Bent No.	Min. Length (Ft.)	Tip Elevation
1L	50	19
3L	75	-29
2R	75	-29
4R	50	20

DESIGN DATA

Specifications..... A.A.S.H.T.O. L.R.F.D. 2012
 And Current Interims
 Loading..... AL-93
 Roadway Width..... 40'-0" (Gutter To Gutter)
 Concrete..... Class "AA" (4000 psi)
" Class "BD" (4000 psi)
 Seismic Performance Zone..... 1 (S_e = 0.031, F_y = 2.40)
 Site Class..... D
 Operational Class..... Other

GENERAL NOTES:

Construction: Mississippi Standard Specifications For Road And Bridge
 No Change Of Plans Will Be Permitted Except By Written Approval Of The Director Of Structures, State Bridge Engineer. Minor Changes In Details Of Design Or Construction Procedure May Be Authorized By The Director Of Structures, State Bridge Engineer, Provided Such Changes Will Not Be Cause For Contract Price Adjustment.
 The Final Surface Texture Of The Bridge Deck Shall Be Mechanically Grooved In Accordance With Sections 501 And 907-804 Of The Specifications. See Misc. Span Details For Limits Of Transverse Grooving On Bridge Deck.
 Bridge Concrete Shall Be Class "AA" Or "BD" As Stated In The Plans. Reiling Expansion Joint Material Shall Be Bituminous Fiber Type Unless Otherwise Noted.
 No Payment Will Be Allowed For Excavation Incidental To The Construction Of End Bents.
 Bar Bending Details Shall Be In Accordance With "Manual Of Standard Practice For Detailing Reinforced Concrete Structures (ACI 318R-94) Reinforcement Order Lists And Required Placing Plans Shall Be Furnished In Accordance With Section 805 Of The Mississippi Standard Specifications. Partial Submittals Are Not Acceptable.
 Shop Drawings Of Prestressed Beams, Including An Erection Plan, Shall Be Submitted In Duplicate To The Director Of Structures, State Bridge Engineer, For Approval Prior To The Manufacture Of The Beams.
 Concrete Surfaces Shall Receive A Class 2 Rubbed Or Spray Finish In Accordance With The Specifications.
 Reinforcing Steel Shall Be A.S.T.M. A615, Grade 60, Unless Otherwise Noted. Work For Which No Pay Items Are Provided In The Proposal Will Not Be Paid For Directly And Compensation Therefore Will Be Included In The Prices And Payments For Bid Items.
 See Sheet No. B16 For Deflection Notes For Prestressed Concrete Beams.

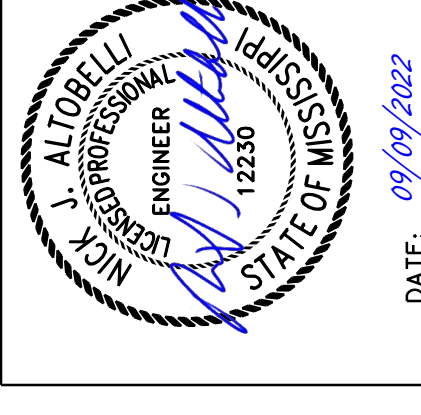
PRESTRESSED CONCRETE PILE NOTES:

Test Piles Shall Be Driven As Permanent Piles At The Location Shown In The PDA TEST PILE SCHEDULE And Will Be Paid For As Test Piles Only.
 The Director Of Structures, State Bridge Engineer, May Authorize Test Piles Driven Outside The Structural Limits.
 Test Piles Shall Be Driven As A Continuous Operation, To The Bearing Capacity And The Minimum Ground Penetration Shown In The PDA TEST PILE SCHEDULE, Unless Otherwise Directed By The Director Of Structures, State Bridge Engineer.
 Permanent Piles Shall Be Driven To An Elevation No Higher Than The Elevation Shown In The REQUIRED ULTIMATE PILE BEARING CAPACITY AND TIP ELEVATION SCHEDULE.
 The Tip Elevation Of Piling, For Hydraulic Structures, May Be Determined By Scour Line.
 When Feasible, Bearing Piles Shall Be Driven Full Length And Shall Be Spliced, Only, As Approved By The Director Of Structures, State Bridge Engineer.
 When Loading Tests Are Required, The Maximum Test Load Shall Be One And A Half (1 1/2) Times The Required Ultimate Pile Bearing Capacity.
 All Piles Shall Be Prestressed Type Per Details On Sheet No. A21. Prestressed Concrete Piling Shall Not Be Driven Until The Concrete Has Reached A Minimum Compressive Strength Of 5000 PSI And Is At Least 7 Days Old.
 PDA Test Piles Shall Require A 1 Day Restrike Unless Otherwise Directed By The Engineer.
 Pile Lengths And Driving Criteria Shall Be Provided Based On The Results Of The PDA Test Piles.
 The Required Ultimate Pile Bearing Shown In The REQUIRED ULTIMATE PILE BEARING CAPACITY AND TIP ELEVATION SCHEDULE Includes The LRPD Resistance Factor For PDA Of 0.65.
 Pile hammer leads used for all PDA Test piles and PDA restrikes shall be large enough to provide a minimum of 3" of clearance on each side of the pile in order to properly place and protect PDA gages.
 Concrete Piles Shall Be Driven With A Maximum Rated Energy Not Less Than 58,000 Ft-Lbs And No Greater Than 76,000 Ft-Lbs To Tip Elevations Specified Unless The Contractor's Drivability Analysis Utilizing The Contractor's Selected Alternative Hammer Is Approved By The Director Of Structures, State Bridge Engineer.

BRIDGE SUPERSSTRUCTURE CONSTRUCTION

PLAN NOTE:

The Girder Deflection Diagrams Shown In These Plans Were Prepared And Intended For Design And Estimation Purposes Only. Actual Bridge Girder Deflections May Differ From The Deflection Diagrams Shown In These Plans. It Is The Contractor's Responsibility To Construct The Bridge To Meet The Requirements Of The Plans And Specifications Including, But Not Limited To, The Requirements For Bridge Deck Smoothness. Prior To Formwork Construction, The Contractor Shall Submit Three (3) Copies Of A Proposed BRIDGE SUPERSSTRUCTURE CONSTRUCTION PLAN TO THE BRIDGE ENGINEER FOR REVIEW, THROUGH THE PROJECT ENGINEER. THIS SUBMITTAL SHALL INCLUDE ALL CALCULATIONS, ASSUMPTIONS AND PARAMETERS USED BY THE CONTRACTOR TO DETERMINE BRIDGE GIRDER DEFLECTIONS AND FORM GRADE ELEVATIONS. THIS SUBMITTAL SHALL ALSO INCLUDE AN ERECTION AND CONSTRUCTION PROCEDURE THAT ADDRESSES THE CONSTRUCTION MEANS AND METHODOLOGIES USED BY THE CONTRACTOR AND SHALL CONSIDER EFFECTS INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION PHASING, POURING SCHEDULES, APPLIED PERMANENT AND CONSTRUCTION LOADING, AND SHALL INCLUDE CALCULATIONS AND DETAILS OF TEMPORARY GIRDER BRACING SYSTEMS USED TO ENSURE GIRDER STABILITY AND TO COUNTER THE EFFECTS OF GIRDER TILT. AFTER GIRDER ERECTION AND PRIOR TO DECK CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT DECK THICKNESS VERIFICATION CALCULATIONS FOR EACH GIRDER. THESE CALCULATIONS SHALL INCLUDE A COMPARISON OF THE ERECTED GIRDER TOP FLANGE PROFILES VERSUS THE PLAN DECK GRADE ELEVATIONS OVER EACH GIRDER PLUS THE ANTICIPATED GIRDER DEFLECTION DUE TO APPLIED PERMANENT DEAD LOAD AND CREEP. THREE (3) COPIES OF THE DECK THICKNESS VERIFICATION CALCULATIONS AND ANY PROPOSED REMEDIATION MEASURES TO CORRECT FOR THIN DECK AREAS SHALL BE SUBMITTED TO THE BRIDGE ENGINEER FOR REVIEW, THROUGH THE PROJECT ENGINEER. THE BRIDGE SUPERSSTRUCTURE CONSTRUCTION PLAN AND THE DECK THICKNESS VERIFICATION CALCULATIONS SHALL BE PREPARED AND STAMPED BY A MISSISSIPPI REGISTERED PROFESSIONAL ENGINEER.



DATE: 09/09/2022

BR	REVISIONS	DATE	ISSUE	CHECKER	AMOUNT	WORKING NUMBER
9/9/22	ADDED PAY ITEMS			J. JOEL SKINNER		BI of 19
				J. JOEL SKINNER		SHEET NUMBER
						8027

JACKSON COUNTY

PROJECT 103060/301000

STP-0066-01(008)

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

OVERPASS AT STA. 264+37.88 LT.LN.

OVERPASS AT STA. 264+37.88 RT.LN.

HUMPHREY FARMS ROAD

SR 57 OVER

ADDENDUM

STATE	PROJECT NO.
MISS.	STP-0066-01(008)

ESTIMATED BRIDGE QUANTITIES															
ITEM LOCATION	Transverse Grooving	Foundation Excavation For Bridges	Conventional Static Pile Load Test	16"x16" Prestressed Concrete Piling	18"x18" Prestressed Concrete Piling	PDA Test Pile, Concrete	Pile Restrike	Bridge Concrete Substructure, Class "AA"	Bridge Concrete Superstructure, Class "BD"	100 Ft. Prestressed Concrete Beam, Type IV	60 Ft. Prestressed Concrete Beam, Type IV	Reinforcement	Concrete Railing, 32"	Concrete Slope Paving	Pre-formed Joint Seal, Type II
	Square Yard	Cubic Yard	Each	Lin. Ft.	Lin. Ft.	Each	Each	Cubic Yard	Cubic Yard	Lin. Ft.	Lin. Ft.	Lbs.	Lin. Ft.	Cubic Yard	Lin. Ft.
Spans	1440.00							436.46		1786.75	356.75	115,807	720.00		85.0
End Bents		520.0	1	1745.0		1	1	95.53				13,408	4.67	95.0	
Int. Bents		520.0	2	1745.0		2	2	373.56	436.46	1786.75	356.75	46,790	724.67	95.0	85.0
Totals	1440.00	520.0	2	1745.0		2	2	373.56	436.46	1786.75	356.75	176,005	724.67	95.0	85.0

Bent No.	Pile Size	Required Ultimate Bearing (Tons)	Estimated Length (Ft.)	Minimum Tip Elevation
1	16"x16"	91	55	30
2	18"x18"	154	55	14
3	18"x18"	154	60	16
4	18"x18"	129	45	17
5	16"x16"	91	45	40

Bent No.	Min. Length (Ft.)	Tip Elevation
1	65	4
4	55	-13

DESIGN DATA

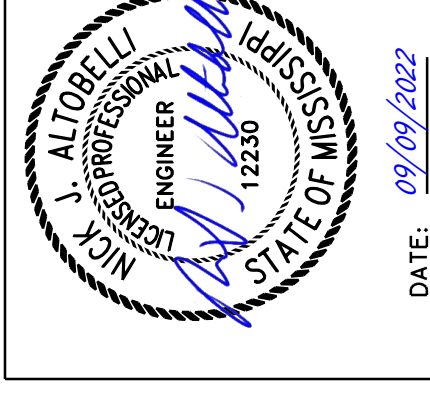
Specifications..... A.A.S.H.T.O. L.R.F.D. 2012
 And Current Interims
 Loading..... HL-93
 Roadway Width..... 40'-0" (Gutter To Gutter)
 Concrete..... Class "AA" (4000 psi)
 Class "BD" (4000 psi)
 Seismic Performance Zone..... 1 (S) = 0.031, F_v = 2.40
 Site Class..... D
 Operational Class..... Other

GENERAL NOTES:

Specifications: Mississippi Standard Specifications For Road And Bridge Construction, 2017.
 No Change Of Plans Will Be Permitted Except By Written Approval Of The Director Of Structures, State Bridge Engineer. Minor Changes In Details Of Design Or Construction Procedure May Be Authorized By The Director Of Structures, State Bridge Engineer, Provided Such Changes Will Not Be Cause For Contract Price Adjustment.
 The Final Surface Texture Of The Bridge Deck Shall Be Mechanically Transverse Grooved In Accordance With Sections 501 And 907-804 Of The Specifications. See Misc. Span Details For Limits Of Transverse Grooving On Bridge Deck.
 Bridge Concrete Shall Be Class "AA" Or "BD" As Stated In The Plans. Railing Expansion Joint Material Shall Be Bituminous Fiber Type Unless Otherwise Noted.
 No Payment Will Be Allowed For Excavation Incidental To The Construction Of End Bents.
 Bar Bending Details Shall Be In Accordance With "Manual Of Standard Practice For Detailing Reinforced Concrete Structures" (ACI 315R-94). Reinforcement Order Lists And Required Placing Plans Shall Be Furnished In Accordance With Section 805 Of The Mississippi Standard Specifications. Partial Submittals Are Not Acceptable.
 Shop Drawings Of Prestressed Beams, Including An Erection Plan, Shall Be Submitted In Duplicate To The Director Of Structures, State Bridge Engineer, For Approval Prior To The Manufacture Of The Beams.
 Concrete Surfaces Shall Receive A Class 2 Rubbed Or Spray Finish In Accordance With The Specifications.
 Reinforcing Steel Shall Be A.S.T.M. A615, Grade 60, Unless Otherwise Noted. Work For Which No Pay Items Are Provided In The Proposal Will Not Be Paid For Directly And Compensation Therefore Will Be Included In The Prices And Payments For Bid Items.
 See Sheet No. C18 For Deflection Notes For Prestressed Concrete Beams.

PRESTRESSED CONCRETE PILE NOTES:

Test Piles Shall Be Driven As Permanent Piles At The Location Shown In The PDA TEST PILE SCHEDULE And Will Be Paid For As Test Piles Only.
 The Director Of Structures, State Bridge Engineer, May Authorize Test Piles Driven Outside The Structural Limits.
 Test Piles Shall Be Driven As A Continuous Operation, To The Bearing Capacity And The Minimum Ground Penetration Shown In The PDA TEST PILE SCHEDULE, Unless Otherwise Directed By The Director Of Structures, State Bridge Engineer.
 Permanent Piles Shall Be Driven To An Elevation No Higher Than The Elevation Shown In The REQUIRED ULTIMATE PILE BEARING CAPACITY AND TIP ELEVATION SCHEDULE.
 The Tip Elevation Of Piling For Hydraulic Structures, May Be Determined When Feasible, Bearing Piles Shall Be Driven Full Length And Shall Be Spliced, Only, As Approved By The Director Of Structures, State Bridge Engineer.
 When Loading Tests Are Required, The Maximum Test Load Shall Be One And A Half (1 1/2) Times The Required Ultimate Pile Bearing Capacity.
 All Piles Shall Be Prestressed Type Per Details On Sheet No. A21. Prestressed Concrete Piling Shall Not Be Driven Until The Concrete Has Reached A Minimum Compressive Strength Of 5000 PSI And Is At Least 7 Days Old.
 PDA Test Piles Shall Require A 1 Day Restrike Unless Otherwise Directed By The Engineer.
 Pile Lengths And Driving Criteria Shall Be Provided Based On The Results Of The PDA Test Piles.
 The Required Ultimate Pile Bearing Shown In The REQUIRED ULTIMATE PILE BEARING CAPACITY AND TIP ELEVATION SCHEDULE Includes The LRP Resistance Factor For PDA Of 0.65.
 Pile Hammer Leads Used For All PDA Test Piles And PDA Restrikes Shall Be Large Enough To Provide A Minimum Of 3" Of Clearance On Each Side Of The Pile In Order To Properly Place And Protect PDA Gages.
 Concrete Piles Shall Be Driven With A Maximum Rated Energy Not Less Than 58,000 ft-lbs And No Greater Than 76,000 ft-lbs To Tip Elevations Specified Unless The Contractor's Drivability Analysis Utilizing The Contractor's Selected Alternative Hammer Is Approved By The Director of Structures, State Bridge Engineer.



DATE: 09/09/2022

BR	
MH	
ADDED PAY ITEMS	
REVISIONS	
DATE	9/9/22
DRAWN BY	Joel Skimmer
CHECKED BY	Hugh Williams
ISSUE DATE	Adm. Hdl
DESIGNER	JACKSON COUNTY
DIRECTOR OF STRUCTURES, STATE BRIDGE ENGINEER - JUSTIN WALKER PE	
DEF. DIR. OF STRUCTURES, ASSIST. STATE BRIDGE ENGINEER - SCOTT WESTERFIELD PE	

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 UNDERPASS AT STA. 293+38.48
 SR 57 UNDER
 SR 57 CONNECTOR SOUTH
 PROJECT 103060/301000
 STP-0066-01(008)
 JACKSON COUNTY
 WORKING NUMBER
 CI of 22
 SHEET NUMBER
 8046

ADDENDUM

ESTIMATED BRIDGE QUANTITIES

ITEM LOCATION	Transverse Grooving	Conventional Static Pile Load Test	18"x18" Prestressed Concrete Piling	PDA Test Pile, Concrete Pile	Pile Restrike	Bridge Concrete, Substructure, Class AA	Bridge Concrete, Superstructure, Class BD	40 Ft. Prestressed Concrete Beam, Type 1-2	Reinforcement	Concrete Railing, 32"	Loose Riprap, Size 300	Geotextile Under Riprap	Preformed Joint Seal, Type II
	Square Yard	Each	Lin. Ft.	Each	Each	Cubic Yard	Cubic Yard	Lin. Ft.	Lbs.	Lin. Ft.	Ton	Square Yard	Lin. Ft.
Spans	1120.00						332.99	1648.50	80,458	560.00			88.0
End Bents		1	1475.0	1	1	51.86			9,154	3.46	478.2	740.5	
Int. Bents		1	3230.0	2	1	120.32			14,319				
Totals	1120.00	2	4705.0	3	2	171.65	332.99	1648.50	103,931	563.46	478.2	740.5	88.0

ESTIMATED BRIDGE QUANTITIES

ITEM LOCATION	Transverse Grooving	Conventional Static Pile Load Test	18"x18" Prestressed Concrete Piling	PDA Test Pile, Concrete Pile	Pile Restrike	Bridge Concrete, Substructure, Class AA	Bridge Concrete, Superstructure, Class BD	40 Ft. Prestressed Concrete Beam, Type 1-2	Reinforcement	Concrete Railing, 32"	Loose Riprap, (Size 300*)	Geotextile Fabric Under Riprap	Preformed Joint Seal, Type II
	Square Yard	Each	Lin. Ft.	Each	Each	Cubic Yard	Cubic Yard	Lin. Ft.	Lbs.	Lin. Ft.	Ton	Square Yard	Lin. Ft.
Spans	1120.00						332.99	1648.50	80,458	560.00			88.0
End Bents		1	1470.0	1	1	51.86			9,337	3.46	472.9	732.4	
Int. Bents		1	3230.0	2	1	121.97			14,861				
Totals	1120.00	2	4700.0	3	2	173.83	332.99	1648.50	104,656	563.46	472.9	732.4	88.0

REQ. ULT. PILE BEARING CAPACITY AND TIP ELEVATION SCHEDULE

Bent No.	Pile Size	Required Ultimate Bearing (Tons)	Estimated Length (Ft.)	Minimum Tip Elevation
1L	18"x18"	115	75	-8
2L	18"x18"	170	95	-12
3L	18"x18"	170	95	-12
4L	18"x18"	170	95	-12
5L	18"x18"	170	95	-12
6L	18"x18"	170	95	-12
7L	18"x18"	170	95	-12
8L	18"x18"	115	80	-8
1R	18"x18"	115	75	-8
2R	18"x18"	170	95	-12
3R	18"x18"	170	95	-12
4R	18"x18"	170	95	-12
5R	18"x18"	170	95	-12
6R	18"x18"	170	95	-12
7R	18"x18"	170	95	-12
8R	18"x18"	115	80	-8

PDA TEST PILE SCHEDULE

Bent No.	Min. Length (Ft.)	Tip Elevation
1L	85	-60.1
3L	105	-80.8
6L	105	-81.4
4R	105	-81.2
7R	105	-81.8
8R	90	-66.7

DESIGN DATA

Specifications.....A.A.S.H.T.O. L.R.F.D. 2012
 And Current Interims
 HL-93
 Loadings.....40'-0" (Gutter To Gutter)
 Roadway Width.....
 Concrete.....Class "AA" (4000 psi)
 Class "BD" (4000 psi)
 Seismic Performance Zone.....1 (S_v = 0.031, T_v = 2.40)
 Site Class.....D
 Operational Class.....Other
DRAINAGE DATA
 Drainage Area.....7.75 sq. miles
 050 (USGS).....3290 cfs
 Effective Area.....1466 sq. ft.

GENERAL NOTES:

Specifications: Mississippi Standard Specifications For Road And Bridge Construction, 2017
 No Change Of Plans Will Be Permitted Except By Written Approval Of The Director Of Structures, State Bridge Engineer. Minor Changes In The Details Of Design Or Construction Procedure May Be Authorized By The Director Of Structures, State Bridge Engineer, Provided Such Changes Will Not Be Cause For Contract Price Adjustment.
 The Final Surface Texture Of The Bridge Deck Shall Be Mechanically Transverse Grooved In Accordance With Sections 501 And 907-804 Of The Specifications. See Misc. Span Details For Limits Of Transverse Grooving On Bridge Deck.
 Bridge Concrete Shall Be Class "AA" Or "BD" As Stated In The Plans. Railing Expansion Joint Material Shall Be Bituminous Fiber Type Unless Otherwise Noted.
 No Payment Will Be Allowed For Excavation Incidental To The Construction Of End Bents.
 Bar Bending Details Shall Be In Accordance With "Manual Of Standard Practice For Detailing Reinforced Concrete Structures" (ACI 318R-94). Reinforcement Order Lists And Required Placing Plans Shall Be Furnished In Accordance With Section 805 Of The Mississippi Standard Specifications. Partial Submittals Are Not Acceptable.
 Shop Drawings Of Prestressed Beams, Including An Erection Plan, Shall Be Submitted In Duplicate To The Director Of Structures, State Bridge Engineer, For Approval Prior To The Manufacture Of The Beams.
 Concrete Surfaces Shall Receive A Class 2 Rubbed Or Spray Finish In Accordance With The Specifications.
 Reinforcing Steel Shall Be A.S.T.M. A615, Grade 60, Unless Otherwise Noted. Work For Which No Pay Items Are Provided In The Proposal Will Not Be Paid For Directly And Compensation Therefore Will Be Included In The Prices And Payments For Bid Items.
 See Sheet No. D16 For Deflection Notes For Prestressed Concrete Beams. All Riprap And Geotextile Fabric (End Bents, Channel Banks, Spur Dikes, Etc.) At The Bridge Site Are Included In The Bridge Quantities.

PRESTRESSED CONCRETE PILE NOTES:

Test Piles Shall Be Driven As Permanent Piles At The Location Shown In The PDA TEST PILE SCHEDULE And Will Be Paid For As Test Piles Only.
 The Director Of Structures, State Bridge Engineer, May Authorize Test Piles Driven Outside The Structural Limits.
 Test Piles Shall Be Driven As A Continuous Operation, To The Bearing Capacity And The Minimum Ground Penetration Shown In The PDA TEST PILE SCHEDULE, Unless Otherwise Directed By The Director Of Structures, State Bridge Engineer.
 Permanent Piles Shall Be Driven To An Elevation No Higher Than The Elevation Shown In The REQUIRED ULTIMATE PILE BEARING CAPACITY AND TIP ELEVATION SCHEDULE.
 The Tip Elevation Of Piling For Hydraulic Structures, May Be Determined By Scour Line.
 When Feasible, Bearing Piles Shall Be Driven Full Length And Shall Be Sliced, Only, As Approved By The Director Of Structures, State Bridge Engineer.
 When Loading Tests Are Required, The Maximum Test Load Shall Be One And A Half (1 1/2) Times The Required Ultimate Pile Bearing Capacity.
 All Piles Shall Be Prestressed Type Per Details On Sheet No. A21.
 Prestressed Concrete Piling Shall Not Be Driven Until The Concrete Has Reached A Minimum Compressive Strength Of 5000 PSI And Is At Least 7 Days Old.
 PDA Test Piles Shall Require A 1 Day Restrike Unless Otherwise Directed By The Engineer.
 Pile Lengths And Driving Criteria Shall Be Provided Based On The Results Of The PDA Test Piles.
 The Required Ultimate Pile Bearing Shown In The REQUIRED ULTIMATE PILE BEARING CAPACITY AND TIP ELEVATION SCHEDULE Includes The LRPD Resistance Factor For PDA Of 0.65.
 Pile Hammer Leads Used For All PDA Test Piles And PDA Restrikes Shall Be Large Enough To Provide A Minimum Of 3" Of Clearance On Each Side Of The Pile In Order To Properly Place And Protect PDA Gages.
 Concrete Piles Shall Be Driven With A Maximum Rated Energy Not Less Than 58,000 ft-lbs And No Greater Than 76,000 ft-lbs To Tip Elevations Specified Unless The Contractor's Drivability Analysis Utilizing The Contractor's Selected Alternative Hammer Is Approved By The Director Of Structures, State Bridge Engineer.

BRIDGE SUPERSTRUCTURE CONSTRUCTION PLAN NOTE:

The Girder Deflection Diagrams Shown In These Plans Were Prepared And Intended For Design And Estimation Purposes Only. Actual Bridge Girder Deflections May Differ From The Deflection Diagrams Shown In These Plans. It Is The Contractor's Responsibility To Construct The Bridge To Meet The Requirements Of The Plans And Specifications Including, But Not Limited To, The Requirements For Bridge Deck Smoothness. Prior To Formwork Construction, The Contractor Shall Submit Three (3) Copies Of A Proposed BRIDGE SUPERSTRUCTURE CONSTRUCTION PLAN To The Bridge Engineer For Review, Through The Project Engineer. This Submittal Shall Include All Calculations, Assumptions And Parameters Used By The Contractor To Determine Bridge Girder Deflections And Form Grade Elevations. This Submittal Shall Also Include An Erection And Construction Procedure That Addresses The Construction Means And Methodologies Used By The Contractor And Shall Consider Effects Including, But Not Limited To, Construction Phasing, Pouring Schedules, Applied Permanent And Construction Loading, And Shall Include Calculations And Details Of Temporary Girder Bracing Systems Used To Ensure Girder Stability And To Counter The Effects Of Girder Tilt, After Girder Erection And Prior To Deck Construction, The Contractor Shall Submit Deck Thickness Verification Calculations For Each Girder. These Calculations Shall Include A Comparison Of The Erected Girder Top Flange Profiles Versus The Plan Deck Grade Elevations Over Each Girder Plus The Anticipated Girder Deflection Due To Applied Permanent Dead Load And Creep. Three (3) Copies Of The Deck Thickness Verification Calculations And Any Proposed Remediation Measures To Correct For Thin Deck Areas Shall Be Submitted To The Bridge Engineer For Review, Through The Project Engineer. The BRIDGE SUPERSTRUCTURE CONSTRUCTION PLAN And The Deck Thickness Verification Calculations Shall Be Prepared And Stamped By A Mississippi Registered Professional Engineer.

BR	
MH	
ADDED PAY ITEMS	
REVISIONS	
DATE	9/9/22
DESIGNER	Joe Skinner
CHECKER	Joe Skinner
ISSUE DATE	09/09/2022
DETAILER	Joe Skinner
WORKING NUMBER	DI of 19
SHEET NUMBER	8066

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 BRIDGE AT STA. 343+07.14 LT.LN.
 BRIDGE AT STA. 343+07.14 RT.LN.
 SR 57 OVER
 LITTLE BLUFF CREEK
 PROJECT 103060/301000
 STP-0066-01(008)
 JACKSON COUNTY
 MISSISSIPPI



DATE: 09/09/2022

ADDENDUM

STATE	PROJECT NO.
MISS.	STP-0066-01(008)

GENERAL NOTES:

Specifications: Mississippi Standard Specifications For Road And Bridge Construction, 2017.
 No Change Of Plans Will Be Permitted Except By Written Approval Of The Director Of Structures, State Bridge Engineer. Minor Changes In Details Of Design Or Construction Procedure May Be Authorized By The Director Of Structures, State Bridge Engineer, Provided Such Changes Will Not Be Cause For Contract Price Adjustment.
 The Final Surface Texture Of The Bridge Deck Shall Be Mechanically Transverse Grooved In Accordance With Sections 501 And 907-804 Of The Specifications. See Misc. Span Details For Limits Of Transverse Grooving On Bridge Deck.
 Bridge Concrete Shall Be Class "AA" Or "BD" As Stated In The Plans. Rebar Details Shall Be As Shown. Reinforcing Steel Shall Be A.S.T.M. A615, Grade 60, Unless Otherwise Noted.
 No Payment Will Be Allowed For Excavation Incidental To The Construction Of End Bents.
 Bar Bending Details Shall Be In Accordance With "Manual Of Standard Practice For Detailing Reinforced Concrete Structures" (ACI 318-94). Reinforcement Order Lists And Required Pacing Plans Shall Be Furnished In Accordance With Section 805 Of The Mississippi Standard Specifications. Partial Submittals Are Not Acceptable.
 Shop Drawings Of Prestressed Beams, Including An Erection Plan, Shall Be Submitted In Duplicate To The Director Of Structures, State Bridge Engineer, For Approval Prior To The Manufacture Of The Beams.
 Concrete Surfaces Shall Receive A Class 2 Rubbed Or Spray Finish In Accordance With The Specifications.
 Reinforcing Steel Shall Be A.S.T.M. A615, Grade 60, Unless Otherwise Noted. Work For Which No Pay Items Are Provided In The Proposal Will Not Be Paid For Directly And Compensation Therefor Will Be Included In The Prices And Payments For Bid Items.
 See Steel Nos. E77-E20 For Deflection Notes For Prestressed Concrete Beams.

PRESTRESSED CONCRETE PILE NOTES:

Test Piles Shall Be Driven As Permanent Piles At The Location Shown In The PDA TEST PILE SCHEDULE And Will Be Paid For As Test Piles Only.
 The Director Of Structures, State Bridge Engineer, May Authorize Test Piles Driven Outside The Structural Limits.
 Test Piles Shall Be Driven As A Continuous Operation, To The Bearing Capacity And The Minimum Ground Penetration Shown In The PDA TEST PILE SCHEDULE. Unless Otherwise Directed By The Director Of Structures, State Bridge Engineer.
 Permanent Piles Shall Be Driven To An Elevation No Higher Than The Elevation Shown In The REQUIRED ULTIMATE PILE BEARING CAPACITY AND TIP ELEVATION SCHEDULE.
 The Tip Elevation Of Piling For Hydraulic Structures, May Be Determined By Scour Line.
 When Feasible, Bearing Piles Shall Be Driven Full Length And Shall Be Spliced, Only, As Approved By The Director Of Structures, State Bridge Engineer.
 When Loading Tests Are Required, The Maximum Test Load Shall Be One And A Half (1 1/2) Times The Required Ultimate Pile Bearing Capacity.
 All Piles Shall Be Prestressed Type Per Details On Sheet No. A21. Prestressed Concrete Piling Shall Not Be Driven Until The Concrete Has Reached A Minimum Compressive Strength Of 5000 PSI And Is At Least 7 Days Old.
 PDA Test Piles Shall Require A 1 Day Restrike Unless Otherwise Directed By The Engineer.
 Pile Lengths And Driving Criteria Shall Be Provided Based On The Results Of The PDA Test Piles.
 The Required Ultimate Pile Bearing Shown In The REQUIRED ULTIMATE PILE BEARING CAPACITY AND TIP ELEVATION SCHEDULE Includes The LAFD Resistance Factor For PDA Of 0.65.
 Pile Hammer Leads Used For All PDA Test Piles And PDA Restrikes Shall Be Large Enough To Provide A Minimum Of 3" Of Clearance On Each Side Of The Pile In Order To Properly Place And Protect PDA Gages.
 Concrete Piles Shall Be Driven With A Maximum Rated Energy Not Less Than 58,000 ft-lbs And No Greater Than 76,000 ft-lbs To Tip Elevations Specified Unless The Contractor's Drivability Analysis Utilizing The Contractor's Selected Alternative Hammer Is Approved By The Director of Structures, State Bridge Engineer.

ESTIMATED BRIDGE QUANTITIES

ITEM LOCATION	Transverse Grooving	Foundation Excavation For Bridges	Conventional Static Pile Load Test	16"x16" Prestressed Concrete Piling	18"x18" Prestressed Concrete Piling	PDA Test Pile, Concrete Pile	Pile Restrike	Bridge Concrete Substructure Class AA	Bridge Concrete Substructure Class BD	95 Ft. Prestressed Concrete Beam Type BT-63	115 Ft. Prestressed Concrete Beam Type BT-63	Reinforcement	Concrete Railings, 32"	Concrete Slope Paving	Preformed Joint Seal, Type II
	Square Yard	Cubic Yard	Each	Lin. Ft.	Lin. Ft.	Each	Each	Cubic Yard	Cubic Yard	Lin. Ft.	Lin. Ft.	Lbs.	Lin. Ft.	Cubic Yard	Lin. Ft.
Spans	2444.44		1	1855.0		1	1	703.46		661.21	2399.54	199,856	880.00		116.7
End Bents		596.6	1		4000.0	1	1	407.16				17,888	4.81	81.5	
Int. Bents		596.6	2	1855.0	4000.0	2	2	703.46		661.21	2399.54	283,643	884.81	81.5	116.7
Totals	2444.44	1193.2	2	3710.0	8000.0	2	2	1410.92		1322.42	4799.08	488,499	1764.81	163.0	233.4

REQ. ULT. PILE BEARING CAPACITY AND TIP ELEVATION SCHEDULE

Bent No.	Pile Size	Required Ultimate Bearing (Tons)	Estimated Length (Ft.)	Minimum Tip Elevation
1	16"x16"	94	45	50
2	18"x18"	142	50	19
3	18"x18"	142	50	19
4	18"x18"	142	50	19
5	16"x16"	94	50	45

PDA TEST PILE SCHEDULE

Bent No.	Min. Length (Ft.)	Tip Elevation
1	55'	14
4	60'	-15

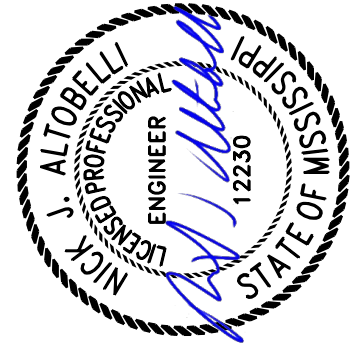
DESIGN DATA

Specifications.....A.A.S.H.T.O. L.R.F.D. 2012
 And Current Interims
 Loading.....HL-93
 Roadway Width.....54'-0" (Gutter To Gutter)
 Concrete.....Class "44" (4000 psi)
 Seismic Performance Zone.....Class "80" (4000 psi)
 Site Class.....I (S_v = 0.031, T_r = 2.40)
 Operational Class.....D
 Other.....

BRIDGE SUPERS STRUCTURE CONSTRUCTION PLAN NOTE:

The Girder Deflection Diagrams Shown In These Plans Were Prepared And Intended For Design And Estimation Purposes Only. Actual Bridge Girder Deflections May Differ From The Deflection Diagrams Shown In These Plans. It Is The Contractor's Responsibility To Construct The Bridge To Meet The Requirements Of The Plans And Specifications Including, But Not Limited To, The Requirements For Bridge Deck Smoothness. Prior To Formwork Construction, The Contractor Shall Submit Three (3) Copies Of A Proposed BRIDGE SUPERS STRUCTURE CONSTRUCTION PLAN To The Bridge Engineer For Review, Through The Project Engineer. This Submittal Shall Include All Calculations, Assumptions And Parameters Used By The Contractor To Determine Bridge Girder Deflections And Form Grade Elevations. This Submittal Shall Also Include An Erection And Construction Procedure That Addresses The Construction Means And Methodologies Used By The Contractor And Shall Consider Effects Including, But Not Limited To, Construction Phasing, Pouring Schedules, Applied Permanent And Construction Loading, And Shall Include Calculations And Details Of Temporary Girder Bracing Systems Used To Ensure Girder Stability And To Counter The Effects Of Girder Tilt. After Girder Erection And Prior To Deck Construction, The Contractor Shall Submit Deck Thickness Verification Calculations For Each Girder. These Calculations Shall Include A Comparison Of The Erected Girder Top Flange Profiles Versus The Plan Deck Grade Elevations Over Each Girder Plus The Anticipated Girder Deflection Due To Applied Permanent Dead Load And Creep. Three (3) Copies Of The Deck Thickness Verification Calculations And Any Proposed Remediation Measures To Correct For Thin Deck Areas Shall Be Submitted To The Bridge Engineer For Review, Through The Project Engineer. The BRIDGE SUPERS STRUCTURE CONSTRUCTION PLAN And The Deck Thickness Verification Calculations Shall Be Prepared And Stamped By A Mississippi Registered Professional Engineer.

BR	REVISIONS
MH	ADDED PAY ITEMS
9/9/22	DATE
	DESIGNER: Joel Skinner
	DRAWN: Joel Skinner
	CHECKER: Adam Hall
	ISSUE DATE
	DIR. OF STRUCTURES, STATE BRIDGE ENGINEER - JUSTIN WALKER, PE.
	DEF. DIR. OF STRUCTURES, ASSIST. STATE BRIDGE ENGINEER - SCOTT WESTERFIELD, PE.



DATE: 09/09/2022

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 UNDERPASS AT STA. 381+96.26

SR 57 UNDER
 JIM RAMSEY ROAD CONNECTOR

PROJECT 103060/301000
 STP-0066-01(008)

JACKSON COUNTY

WORKING NUMBER
 E1 of 21

SHEET NUMBER
 8087

ESTIMATED BRIDGE QUANTITIES

ITEM LOCATION	Transverse Grooving	Conventional Static Pile Load Test	16"x16" Prestressed Concrete Piling	18"x18" Prestressed Concrete Piling	PDA Test Pile, Concrete Pile	Pile Restrike	Drilled Shaft, 66" Diameter	Test Shaft, 66" Diameter	Bridge Concrete, Substructure, Class AA	Bridge Concrete, Superstructure, Class BD	40 Ft. Prestressed Concrete Beam, Type I-2	105 Ft. Prestressed Concrete Beam, Type IV	85 Ft. Prestressed Concrete Beam, Type IV	Reinforcement	Concrete Railings, 32"	Loose Riprap, Size 300	Geotextile Under Riprap	Preformed Joint Seal, Type I	Preformed Joint Seal, Type II	
Spans	Square Yard	Each	Lin. Ft.	Lin. Ft.	Each	Each	Lin. Ft.	Each	Cubic Yard	Cubic Yard	Lin. Ft.	Lin. Ft.	Lin. Ft.	Lbs.	Lin. Ft.	Ton	Square Yard	Lin. Ft.	Lin. Ft.	
End Bents	4160.00																			
Int. Bents		1	765.0	400.0	1	1	624	1	71.62		4009.00	626.75	1520.25	318,701	2080.00			85.0	212.5	
Totals	4160.00	2	765.0	6980.0	3	3	624	1	524.09	595.71	4009.00	626.75	1520.25	393,481	2083.83	718.9	1117.0	85.0	212.5	

Left Lane

ESTIMATED BRIDGE QUANTITIES

ITEM LOCATION	Transverse Grooving	Conventional Static Pile Load Test	16"x16" Prestressed Concrete Piling	18"x18" Prestressed Concrete Piling	PDA Test Pile, Concrete Pile	Pile Restrike	Drilled Shaft, 66" Diameter	Exploration	Bridge Concrete, Substructure, Class AA	Bridge Concrete, Superstructure, Class BD	40 Ft. Prestressed Concrete Beam, Type I-2	105 Ft. Prestressed Concrete Beam, Type IV	85 Ft. Prestressed Concrete Beam, Type IV	Reinforcement	Concrete Railings, 32"	Loose Riprap, Size 300	Geotextile Under Riprap	Preformed Joint Seal, Type I	Preformed Joint Seal, Type II	
Spans	Square Yard	Each	Lin. Ft.	Lin. Ft.	Each	Each	Lin. Ft.	Each	Cubic Yard	Cubic Yard	Lin. Ft.	Lin. Ft.	Lin. Ft.	Lbs.	Lin. Ft.	Ton	Square Yard	Lin. Ft.	Lin. Ft.	
End Bents	4160.00																			
Int. Bents		1	810.0	360.0	1	1	40.0	40.0	524.09	1237.11	4009.00	626.75	1520.25	318,701	2080.00			85.0	212.5	
Totals	4160.00	2	810.0	7010.0	2	2	624	40.0	595.82	1237.11	4009.00	626.75	1520.25	393,481	2083.83	602.5	602.5	85.0	212.5	

Right Lane

GENERAL NOTES:

Specifications: Mississippi Standard Specifications For Road And Bridge Construction, 2017. Will Be Permitted Except By Written Approval Of The Director Of Structures, State Bridge Engineer. Minor Changes In Details Of Design Or Construction Procedure May Be Authorized By The Director Of Structures, State Bridge Engineer, Provided Such Changes Will Not Be Cause For Contract Price Adjustment.
The Final Surface Texture Of The Bridge Deck Shall Be Mechanically Transverse Grooved In Accordance With Sections 501 And 907-804 Of The Specifications. See Misc. Span Details For Limits Of Transverse Grooving On Bridge Deck.
Bridge Concrete Shall Be Class "AA" Or "BD" As Stated In The Plans. Rebar Expansion Joint Material Shall Be Bituminous Fiber Type Unless Otherwise Noted.
No Payment Will Be Allowed For Excavation Incidental To The Construction Of End Bents.
Bar Bending Details Shall Be In Accordance With "Manual Of Standard Practice For Detailing Reinforced Concrete Structures (ACI 318-94) Reinforcement For Order Lists And Required Placing Plans Shall Be Furnished In Accordance With Section 805 Of The Mississippi Standard Specifications. Partial Submittals Are Not Acceptable.
Shop Drawings Of Prestressed Beams, Including An Erection Plan, Shall Be Submitted In Duplicate To The Director Of Structures, State Bridge Engineer, For Approval Prior To The Manufacture Of The Beams.
Concrete Surfaces Shall Receive A Class 2 Rubbed Or Spray Finish In Accordance With The Specifications.
Reinforcing Steel Shall Be A.S.T.M. A615, Grade 60, Unless Otherwise Noted. Work For Which No Pay Items Are Provided In The Proposal Will Not Be Paid For Directly And Compensation Therefore Will Be Included In The Prices And Payments For Bid Items.
See Sheet No. P-1 For Deflection Notes For Prestressed Concrete Beams. All Riprap And Geotextile Fabric (End Bents, Channel Banks, Spur Dikes, Etc.) At The Bridge Site Are Included In The Bridge Quantities.

DRILLED SHAFT NOTES:

The Contractor Shall Notify The State Geotechnical Engineer At Least Three (3) Days In Advance Of Any Shaft (Trial, Anchor Or Test) Construction. See Sheet No. F10 For Test Shaft Details.
Trial Shafts Shall Be Constructed Prior To Construction Of Any Test Shafts. The Trial Shaft Shall Be Constructed At Location Shown On This Sheet. Test Shafts Shall Be Constructed At The Locations And To The Lengths Shown In The TEST SHAFT SCHEDULE On This Sheet Unless Otherwise Directed By The Director Of Structures, State Bridge Engineer And Will Be Paid For As Test Shafts Only.
A Loading Test Is Required For Each Test Shaft Per Details On Sheet No. F10 And Shall Be Performed As Specified In Section 803 Of The Specifications. A Draft Copy Of The Load Test Report Shall Be Submitted To The State Geotechnical Engineer Within Three (3) Days Of Completion Of The Load Test For Each Test Shaft. The Final Load Test Report Shall Be Submitted To The Engineer Within Thirty (30) Days.
For Computation Of Quantities, Top Of Trial Shaft Shall Be Elev. 111.0 (Approximate Ground), Bottom Of Trial Shaft Shall Be Elev. -70.0.
Trial Shaft Reinforcing Steel Shall Be Identical To The Production Shaft Reinforcing Steel As Shown On Sheet No. F27. However, The Length Of The Reinforcing Steel Shall Be The Length Of The Trial Shaft.
Roller Type Centralizers Are Required For Construction Of All Drilled Shafts. Under No Circumstance Shall The Pitch Of The Spiral Reinforcement Be Adjusted To Accommodate The Installation Of The Chosen Centralizer Device.
The Contractor Should Be Aware That Final Tip Elevations For The Production Shafts Will Be Provided After Trial Shafts And Load Tests Have Been Performed. It Is The Contractor's Responsibility To Modify The Reinforcing Lengths Accordingly Once Final Tip Elevations Are Provided.
The Tip Elevations And Quantities Shown On These Plans Are For Estimating And Design Purposes Only And May Be Raised Or Lowered Depending On The Outcome Of A Load Test.
The Required Ultimate Shaft Bearing Shown In The REQUIRED ULTIMATE SHAFT CAPACITY AND TIP ELEVATION SCHEDULE Includes The LRPD Resistance Factor For Static Load Test Of 0.70.

PRESTRESSED CONCRETE PILE NOTES:

Test Piles Shall Be Driven As Permanent Piles At The Location Shown In The PDA TEST PILE SCHEDULE And Will Be Paid For As Test Piles Only.
The Director Of Structures, State Bridge Engineer, May Authorize Test Piles Driven Outside The Structural Limits.
Test Piles Shall Be Driven As A Continuous Operation, To The Bearing Capacity And The Minimum Ground Penetration Shown In The PDA TEST PILE SCHEDULE, Unless Otherwise Directed By The Director Of Structures, State Bridge Engineer.

PRESTRESSED CONCRETE PILE NOTES:

Concrete Piles Shall Be Driven With A Maximum Rated Energy Not Less Than 58,000 Ft-lbs And No Greater Than 76,000 Ft-lbs To Tip Elevations Specified Unless The Contractor's Drivability Analysis Utilizing The Contractor's Selected Alternative Hammer Is Approved By The Director Of Structures, State Bridge Engineer.

BRIDGE SUPERSTRUCTURE CONSTRUCTION PLAN NOTE:

The Girder Deflection Diagrams Shown In These Plans Were Prepared And Intended For Design And Estimation Purposes Only. Actual Bridge Girder Deflections May Differ From The Deflection Diagrams Shown In These Plans. It Is The Contractor's Responsibility To Construct The Bridge To Meet The Requirements Of The Plans And Specifications Including, But Not Limited To, The Requirements For Bridge Deck Smoothness. Prior To Formwork Construction, The Contractor Shall Submit Three (3) Copies Of A Proposed BRIDGE SUPERSTRUCTURE CONSTRUCTION PLAN To The Bridge Engineer For Review, Through The Project Engineer. This Submittal Shall Include All Calculations, Assumptions And Parameters Used By The Contractor To Determine Bridge Girder Deflections And Form Grade Elevations. This Submittal Shall Also Include An Erection And Construction Procedure That Addresses The Construction Means And Methodologies Used By The Contractor And Shall Consider Effects Including, But Not Limited To, Construction Phasing, Pouring Schedules, Applied Permanent And Construction Loadings, And Shall Include Calculations And Details Of Temporary Girder Bracing Systems Used To Ensure Girder Stability And To Counter The Effects Of Girder Tilt. After Girder Erection And Prior To Deck Construction, The Contractor Shall Submit Deck Thickness Verification Calculations For Each Girder. These Calculations Shall Include A Comparison Of The Erected Girder Top Flange Profiles Versus The Plan Deck Grade Elevations Over Each Girder Plus The Anticipated Girder Deflection Due To Applied Permanent Dead Load And Creep. Three (3) Copies Of The Deck Thickness Verification Calculations And Any Proposed Remediation Measures To Correct For Thin Deck Areas Shall Be Submitted To The Bridge Engineer For Review, Through The Project Engineer. The BRIDGE SUPERSTRUCTURE CONSTRUCTION PLAN And The Deck Thickness Verification Calculations Shall Be Prepared And Stamped By A Mississippi Registered Professional Engineer.

REQ. UL T. PILE BEARING CAPACITY AND TIP ELEVATION SCHEDULE

Bent No.	Pile Size	Required Ultimate Bearing (Tons)	Estimated Length (Ft.)	Minimum Tip Elevation
1L/1R	16"X16"	90	45	-6
6L/6R	18"X18"	170	70	-13
7L/7R	18"X18"	170	70	-13
8L/8R	18"X18"	170	70	-13
9L/9R	18"X18"	170	70	-13
10L/10R	18"X18"	170	70	-13
11L/11R	18"X18"	170	70	-13
12L/12R	18"X18"	170	70	-13
13L/13R	18"X18"	170	70	-13
14L/14R	18"X18"	170	70	-13
15L/15R	18"X18"	170	70	-13
16L/16R	18"X18"	170	70	-13
17L/17R	18"X18"	170	70	-13
18L/18R	18"X18"	170	70	-13
19L/19R	18"X18"	170	70	-13
20L/20R	18"X18"	170	70	-13
21L/21R	18"X18"	170	70	-13
22L/22R	18"X18"	115	45	-12

REQ. UL T. SHAFT BEARING CAPACITY AND TIP ELEVATION SCHEDULE

Bent No.	Shaft Diameter (In.)	Required Ultimate Bearing (Tons)	Estimated Length (Ft.)	Minimum Tip Elevation
2L	66"	960	78	-34
3L	66"	970	78	-45
4L	66"	1160	78	-45
5L	66"	970	78	-45
2R	66"	960	78	-34
3R	66"	970	78	-45
4R	66"	1160	78	-45
5R	66"	970	78	-45

TEST SHAFT SCHEDULE

Station	Location	Shaft Diameter (In.)	Estimated Length (Ft.)	Tip Elevation
397+00	£ SR 57	66"	71	-60.0

Station	Location	Shaft Diameter (In.)	Estimated Length (Ft.)	Tip Elevation
397+40	£ SR 57	66"	81	-70.0

For Trial And Test Shaft Details, See Sheet No. F10.

DESIGN DATA

Specifications.....A.A.S.H.T.O. L.R.F.D. 2012
And Current Interims
Loading.....HL-93
Roadway Width.....40'-0" (Gutter To Gutter)
Concrete.....Class "AA" (4000 psi)
.....Class "BD" (4000 psi)
.....Class "DS" (4000 psi)
Drilled Shaft Concrete.....I (S_c = 0.031, F_y = 2.40)
Site Class.....D
Operational Class.....Other

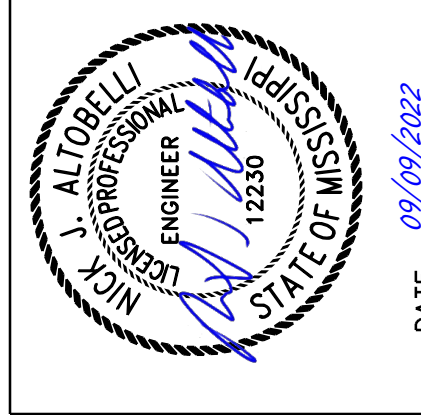
DRAINAGE DATA

Drainage Area.....52.70 sq. miles
050 (USGS).....9790 cfs
Effective Area.....6121 sq. ft.

SPECIAL PROVISIONS REQUIRED

Maturity Meters in Drilled Shafts.....No. 907-803

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
BRIDGE AT STA. 393+83.88 LT.LN.
BRIDGE AT STA. 393+83.88 RT.LN.
SR 57 OVER BLUFF CREEK
PROJECT 103060/301000
STP-0066-01(008)
JACKSON COUNTY
WORKING NUMBER F1 of 46
SHEET NUMBER 8108



DATE: 09/09/2022

ADDENDUM

STATE	PROJECT NO.
MISS.	STP-0066-01(008)

ESTIMATED BRIDGE QUANTITIES

ITEM	Transverse Grooving	Conventional Static Pile Load Test	16"x16" Prestressed Concrete Piling	PDA Test Pile, Concrete Pile	Pile Restrike	Drilled Shaft, 66" Diameter	Test Shaft, 66" Diameter	Trial Shaft, 66" Diameter	Exploration	Bridge Concrete, Substructure, Class "AA"	Bridge Concrete, Superstructure, Class "BD"	130 Ft. Prestressed Concrete Beam, Type B1-72	95 Ft. Prestressed Concrete Beam, Type IV	85 Ft. Prestressed Concrete Beam, Type IV	80 Ft. Prestressed Concrete Beam, Type IV	105 Ft. Prestressed Concrete Beam, Type B1-72	Reinforcement	Concrete Railing, 32" Size 300	Loose Riprap, Square Yard	Geotextile Under Riprap	Preformed Joint Seal, Type I	Preformed Joint Seal, Type II
	Square Yard	Each	Lin. Ft.	Each	Each	Lin. Ft.	Each	Lin. Ft.	Lin. Ft.	Cubic Yard	Cubic Yard	Lin. Ft.	Lin. Ft.	Lin. Ft.	Lin. Ft.	Lin. Ft.	Lb.	Lin. Ft.	Ton	Square Yard	Lin. Ft.	Lin. Ft.
Spans	5508.00									1665.97	1665.97	776.75	2267.00	4080.34	478.52	626.75	383,239	2754.00		467.5		85.0
End Bents		1	1360.0	2	2				150.0	100.52							14,262	4.50	748.6	1169.2		
Int. Bents						2650.0	2	87.0	150.0	657.14							112,185					
Totals	5508.00	1	1360.0	2	2	2650.0	2	87.0	150.0	757.66	1665.97	776.75	2267.00	4080.34	478.52	626.75	509,686	2758.50	748.6	1169.2	467.5	85.0

DRILLED SHAFT NOTES:

The Contractor Shall Notify The State Geotechnical Engineer At Least Three (3) Days In Advance Of Any Shaft (Trial, Anchor Or Test) Construction. See Sheet Nos. G13 & G14 For Test Shaft Details. Trial Shafts Shall Be Constructed Prior To Construction Of Any Test Shafts. The Trial Shaft Shall Be Constructed At Location Shown On This Sheet. Test Shafts Shall Be Constructed At The Locations And To The Lengths Shown In The TEST SHAFT SCHEDULE On This Sheet Unless Otherwise Directed By The Director Of Structures, State Bridge Engineer And Will Be Paid For As Test Shafts Only. A Loading Test Is Required For Each Test Shaft Per Details On Sheet Nos. G13 & G14 And Shall Be Performed As Specified In Section 803 Of The Specifications. A Draft Copy Of The Load Test Report Shall Be Submitted To The State Geotechnical Engineer Within Three (3) Days Of Completion Of The Load Test For Each Test Shaft. The Final Load Test Report Shall Be Submitted To The Engineer Within Thirty (30) Days. For Computation Of Quantities, Top Of Trial Shaft Shall Be Elev. 8.0 (Approximate Ground). Bottom Of Trial Shaft Shall Be Elev. -79.0. Trial Shaft Reinforcing Steel Shall Be Identical To The Production Shaft Reinforcing Steel As Shown On Sheet No. 628. However, The Length Of The Roller Type Centralizers Are Required For Construction Of All Drilled Shafts. Under No Circumstances Shall The Pitch Of The Spiral Reinforcement Be Adjusted To Accommodate The Installation Of The Chosen Centralizer Device. The Contractor Should Be Aware That Final Tip Elevations For The Production Shafts Will Be Provided After Trial Shafts And Load Tests Have Been Performed. It Is The Contractor's Responsibility To Modify The Reinforcing Steel Lengths Accordingly Once Final Tip Elevations Are Provided. The Tip Elevation And Quantities Shown On These Plans Are For Estimating And Design Purposes Only And May Be Raised Or Lowered Depending On The Outcome Of A Load Test. The Required Ultimate Shaft Bearing Shown In The REQUIRED ULTIMATE SHAFT CAPACITIES AND TIP ELEVATION SCHEDULE Includes The LRPD Resistance Factor OF 0.70.

BRIDGE SUPERSTRUCTURE CONSTRUCTION

The Girder Deflection Diagrams Shown In These Plans Were Prepared And Intended For Design And Estimation Purposes Only. Actual Bridge Girder Deflections May Differ From The Deflection Diagrams Shown In These Plans. It Is The Contractor's Responsibility To Construct The Bridge To Meet The Requirements Of The Plans And Specifications Including, But Not Limited To, The Requirements For Bridge Deck Smoothness, Prior To Formwork Construction. The Contractor Shall Submit Three (3) Copies Of A Proposed BRIDGE SUPERSTRUCTURE CONSTRUCTION PLAN To The Bridge Engineer For Review, Through The Project Engineer. This Submittal Shall Include All Bridge Girder Deflections And Parameters Used By The Contractor To Determine Also Include An Erection And Construction Procedure That Addresses The Construction Means And Methodologies Used By The Contractor And Shall Consider Effects Including, But Not Limited To, Construction Phasing, Pouring Schedules, Applied Permanent And Construction Loading, And Shall Include Calculations And Details Of Temporary Girder Bracing Systems Used To Ensure Girder Stability And To Counter The Effects Of Girder Tilt. After Girder Erection And Prior To Deck Construction, The Contractor Shall Submit Deck Thickness Verification Calculations For Each Girder. These Calculations Shall Include A Comparison Of The Erected Girder Top Flange Profiles Versus The Plan Deck Grade Elevations Over Each Girder Plus The Anticipated Girder Deflection Due To Applied Permanent Dead Load And Creep. Three (3) Copies Of The Deck Thickness Verification Calculations And Any Proposed Remediation Measures To Correct For Thin Deck Areas Shall Be Submitted To The Bridge Engineer For Review, Through The Project Engineer. The BRIDGE SUPERSTRUCTURE CONSTRUCTION PLAN And The Deck Thickness Verification Calculations Shall Be Prepared And Stamped By A Mississippi Registered Professional Engineer.

DESIGN DATA

Specifications.....A.A.S.H.T.O. L.R.F.D. 2012
And Current Interims
Loading.....HL-93
Roadway Width.....40'-0" (Gutter To Gutter)
Concrete.....Class "AA" (4000 psi)
Class "BD" (4000 psi)
Class "DS" (4000 psi)
Drilled Shaft Concrete.....1 (S) = 0.031, F_c = 2.40
Seismic Performance Zone.....0
Site Class.....D
Operational Class.....Other

REQ. UL T. PILE BEARING CAPACITY AND TIP ELEVATION SCHEDULE

Bent No.	Pile Size	Required Ultimate Bearing (Tons)	Estimated Length (Ft.)	Minimum Tip Elevation
1	16" x 16"	100	35	-14
16	16" x 16"	100	45	-12

PDA TEST PILE SCHEDULE

Bent No.	Min. Length (Ft.)	Tip Elevation
1	45	-28
16	55	-37

REQ. UL T. SHAFT BEARING CAPACITY AND TIP ELEVATION SCHEDULE

Bent No.	Shaft Diameter (In.)	Required Ultimate Bearing (Tons)	Estimated Length (Ft.)	Minimum Tip Elevation
2	66	1060	95	-61.0
3	66	1060	95	-61.0
4	66	900	80	-47.0
5	66	900	80	-47.0
6	66	900	80	-47.0
7	66	900	80	-47.0
8	66	900	95	-47.0
9	66	900	95	-47.0
10	66	900	95	-47.0
11	66	900	95	-47.0
12	66	1035	85	-47.0
13	66	1035	85	-47.0
14	66	1035	85	-47.0
15	66	1035	85	-47.0

TEST SHAFT SCHEDULE

Station	Location	Shaft Diameter (In.)	Estimated Length (Ft.)	Tip Elevation
58+65	Jim Ramsey Road Connector	66	69	-69.0
64+00	Jim Ramsey Road Connector	66	77	-70.0

TRIAL SHAFT SCHEDULE

Station	Location	Shaft Diameter (In.)	Estimated Length (Ft.)	Tip Elevation
58+00	Jim Ramsey Road Connector	66	87	-79.0

For Trial And Test Shaft Details, See Sheet Nos. G13 & G14.

DRAINAGE DATA

Drainage Area.....52.70 sq. miles
050 (USGS).....9790 c/s
Effective Area.....9710 sq. ft.

SPECIAL PROVISIONS REQUIRED

Maturity Meters in Drilled Shafts.....No. 907-803

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
BRIDGE AT STA. 55+23.13	
JIM RAMSEY ROAD CONNECTOR OVER BLUFF CREEK	
PROJECT	103060/301000
JACKSON COUNTY	STP-0066-01(008)
WORKING NUMBER	GI of 48
SHEET NUMBER	8154



DATE: 09/09/2022
DESIGNER: Joel Skinner
CHECKER: Blake Station
ISSUE DATE: Justin Walker PE
DETAILER: Hugh Williams
DIR. OF STRUCTURES, ASSIST. STATE BRIDGE ENGINEER - SCOTT WESTERFIELD PE

BRIDGE SUPERSTRUCTURE CONSTRUCTION

PLAN NOTE:
The Girder Deflection Diagrams Shown In These Plans Were Prepared And Intended For Design And Estimation Purposes Only. Actual Bridge Girder Deflections May Differ From The Deflection Diagrams Shown In These Plans. It Is The Contractor's Responsibility To Construct The Bridge To Meet The Requirements Of The Plans And Specifications Including, But Not Limited To, The Requirements For Bridge Deck Smoothness. Prior To Formwork Construction, The Contractor Shall Submit Three (3) Copies Of A Proposed BRIDGE SUPERSTRUCTURE CONSTRUCTION PLAN To The Bridge Engineer For Review, Through The Project Engineer. This Submittal Shall Include All Calculations, Assumptions And Parameters Used By The Contractor To Determine Bridge Girder Deflections And Form Grade Elevations. This Submittal Shall Also Include An Erection And Construction Procedure That Addresses The Construction Means And Methodologies Used By The Contractor And Shall Consider Effects Including, But Not Limited To, Construction Phasing, Pouring Schedules, Applied Permanent And Construction Loadings, And Shall Include Calculations And Details Of Temporary Girder Bracing Systems Used To Ensure Girder Stability And To Counter The Effects Of Girder Tilt. After Girder Erection And Prior To Deck Construction, The Contractor Shall Submit Deck Thickness Verification Calculations For Each Girder. These Calculations Shall Include A Comparison Of The Erected Girder Top Flange Profiles Versus The Plan Deck Grade Elevations Over Each Girder Plus The Anticipated Girder Deflection Due To Applied Permanent Dead Load And Creep. Three (3) Copies Of The Deck Thickness Verification Calculations And Any Proposed Remediation Measures To Correct For Thin Deck Areas Shall Be Submitted To The Bridge Engineer For Review, Through The Project Engineer. The BRIDGE SUPERSTRUCTURE CONSTRUCTION PLAN And The Deck Thickness Verification Calculations Shall Be Prepared And Stamped By A Mississippi Registered Professional Engineer.

Table with 10 columns: ITEM, Transverse Grooving, Conventional Static Pile Load Test, 16"x16" Prestressed Concrete Piling, 18"x18" Prestressed Concrete Piling, PDA Test Pile, Pile Restrike, Bridge Concrete, Substructure, Class AA, Bridge Concrete, Superstructure, Class BD, 40 Ft. Prestressed Concrete Beam, Type 1-2, 110 Ft. Prestressed Concrete Beam, Type IV, Reinforcement, Concrete Railing, 32", Loose Riprap, Size 300, Geotextile Under Riprap, Preformed Joint Seal, Type I. Rows include Spans, End Bents, Int. Bents, Totals.

Table with 10 columns: ITEM, Transverse Grooving, Conventional Static Pile Load Test, 16"x16" Prestressed Concrete Piling, 18"x18" Prestressed Concrete Piling, PDA Test Pile, Pile Restrike, Bridge Concrete, Substructure, Class AA, Bridge Concrete, Superstructure, Class BD, 40 Ft. Prestressed Concrete Beam, Type 1-2, 110 Ft. Prestressed Concrete Beam, Type IV, Reinforcement, Concrete Railing, 32", Loose Riprap, Size 300, Geotextile Under Riprap, Preformed Joint Seal, Type I. Rows include Spans, End Bents, Int. Bents, Totals.

GENERAL NOTES:

Specifications: Mississippi Standard Specifications For Road And Bridge Construction, 2017.
No Change Of Plans Will Be Permitted Except By Written Approval Of The Director Of Structures, State Bridge Engineer. Minor Changes In Details Of Design Or Construction Procedure May Be Authorized By The Director Of Structures, State Bridge Engineer, Provided Such Changes Will Not Be Cause For Contract Price Adjustment.
The Final Surface Texture Of The Bridge Deck Shall Be Mechanically Transverse Grooved In Accordance With Sections 501 And 907-804 Of The Specifications. See Misc. Span Details For Limits Of Transverse Grooving On Bridge Deck.
Bridge Concrete Shall Be Class "AA" Or "BD" As Stated In The Plans. Railing Expansion Joint Material Shall Be Bituminous Fiber Type Unless Otherwise Noted.
No Payment Will Be Allowed For Excavation Incidental To The Construction Of End Bents.
Bar Bending Details Shall Be In Accordance With "Manual Of Standard Reinforcement Order Lists And Required Piling Plans" (ACI 315R-94) In Accordance With Section 805 Of The Mississippi Standard Specifications. Partial Submittals Are Not Acceptable.
Shop Drawings Of Prestressed Beams, Including An Erection Plan, Shall Be Submitted In Duplicate To The Director Of Structures, State Bridge Engineer, For Approval Prior To The Manufacture Of The Beams.
Concrete Surfaces Shall Receive A Class 2 Rubbed Or Spray Finish In Accordance With The Specifications.
Reinforcing Steel Shall Be A.S.T.M. A615, Grade 60, Unless Otherwise Noted.
Work For Which No Pay Items Are Provided In The Proposal Will Not Be Paid For Directly And Compensation Therefore Will Be Included In The Prices And Payments For Bid Items.
See Sheet No. H38 For Deflection Notes For Prestressed Concrete Beams. All Riprap And Geotextile Fabric (End Bents, Channel Banks, Spur Dikes, Etc.) At The Bridge Site Are Included In The Bridge Quantities.

PRESTRESSED CONCRETE PILE NOTES:

Test Piles Shall Be Driven As Permanent Piles At The Location Shown In The PDA TEST PILE SCHEDULE And Will Be Paid For As Test Piles Only.
The Director Of Structures, State Bridge Engineer, May Authorize Test Piles Driven Outside The Structural Limits.
Test Piles Shall Be Driven As A Continuous Operation, To The Bearing Capacity And The Minimum Ground Penetration Shown In The PDA TEST PILE SCHEDULE, Unless Otherwise Directed By The Director Of Structures, State Bridge Engineer.
Permanent Piles Shall Be Driven To An Elevation No Higher Than The Elevation Shown In The REQUIRED ULTIMATE PILE BEARING CAPACITY AND TIP ELEVATION SCHEDULE.
The Tip Elevation Of Piling For Hydraulic Structures, May Be Determined By Scour Line.
When Feasible, Bearing Piles Shall Be Driven Full Length And Shall Be Spliced, Only As Approved By The Director Of Structures, State Bridge Engineer.
When Loading Tests Are Required, The Maximum Test Load Shall Be One And A Half (1 1/2) Times The Required Ultimate Pile Bearing Capacity.
All Piles Shall Be Prestressed Type Per Details On Sheet No. A21. Prestressed Concrete Piling Shall Not Be Driven Until The Concrete Has Reached A Minimum Compressive Strength Of 5000 PSI And Is At Least 7 Days Old.
PDA Test Piles Shall Require A 1 Day Restrike Unless Otherwise Directed By The Engineer.
Pile Lengths And Driving Criteria Shall Be Provided Based On The Results Of The PDA Test Piles.
The Required Ultimate Pile Bearing Shown In The REQUIRED ULTIMATE PILE BEARING CAPACITY AND TIP ELEVATION SCHEDULE Includes The LRFD Resistance Factor For PDA Of 0.65.
Pile Hammer Leads Used For All PDA Test Piles And PDA Restrikes Shall Be Large Enough To Provide A Minimum Of 3" Of Clearance On Each Side Of The Pile In Order To Properly Place And Protect PDA Gages.
Concrete Piles Shall Be Driven With A Maximum Rated Energy Not Less Than 58,000 Ft-lbs And No Greater Than 76,000 Ft-lbs To Tip Elevations Specified Unless The Contractor's Drivability Analysis Utilizing The Contractor's Selected Alternative Hammer Is Approved By The Director Of Structures, State Bridge Engineer.

Table with 6 columns: Bent No., Pile Size, Required Ultimate Bearing (Tons), Estimated Length (Ft.), Minimum Tip Elevation. Rows 1L through 10R.

P.D.A. TEST PILE SCHEDULE

Table with 3 columns: Bent No., Min. Length (Ft.), Tip Elevation. Rows 1L through 10R.

DESIGN DATA

Specifications..... A.A.S.H.T.O. L.R.F.D. 2012
Loading..... HL-93 And Current Interims
Roadway Width..... 40'-0" (Gutter To Gutter)
Concrete..... Class "AA" (4000 psi)
Class "BD" (4000 psi)
Seismic Performance Zone..... I (S_v = 0.031, F_v = 2.40)
Site Class..... D
Operational Class..... Other
DRAINAGE DATA
Drainage Area..... 5.18 sq. miles
Q50 (USGS)..... 1,790 cfs
Effective Area..... 2,224 sq. ft.



MISSISSIPPI DEPARTMENT OF TRANSPORTATION
BRIDGE AT STA. 120+41.21 LT.LN.
BRIDGE AT STA. 120+76.21 RT.LN.
SR 57 ACROSS OLD FORT
BAYOU TRIBUTARY
PROJECT 103060/301000
STP-0066-01(008)
JACKSON COUNTY
WORKING NUMBER HI of 43
SHEET NUMBER 8202