

SECTION 905 -- PROPOSAL (CONTINUED)

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

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

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

ADDENDUM NO. 1 DATED 4/22/2015 ADDENDUM NO. DATED
 ADDENDUM NO. DATED ADDENDUM NO. DATED

Number	Description
1	Revised Bid Items; Revised or Added Plan Sheet Nos. 8001-8004 & 8025; Amendment EBS Download Required.

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

Respectfully Submitted,

DATE _____

 Contractor

BY _____
 Signature

TITLE _____

ADDRESS _____

CITY, STATE, ZIP _____

PHONE _____

FAX _____

E-MAIL _____

(To be filled in if a corporation)

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

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

The following is my (our) itemized proposal.

BR-0023-02(050) / 104211301 & 302 Scott & Leake County(ies)

Revised 09/21/2005

Replacing Bridges on SR 35 Between Harperville and Walnut Grove, known as Federal Aid Project Nos. BR-0023-02(050) / 104211301 & 302 in Scott and Leake Counties.

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
Roadway Items					
0010	201-A001		1	Lump Sum	Clearing and Grubbing
0020	202-A001		1	Lump Sum	Removal of Obstructions
0030	202-B005		15,472	Square Yard	Removal of Asphalt Pavement, All Depths
0040	202-B064		496	Linear Feet	Removal of Pipe, 8" And Above
0050	202-B076		1,950	Linear Feet	Removal of Traffic Stripe
0060	202-B087		1,205	Linear Feet	Removal of Guard Rail, Including Rails, Posts and Terminal Ends
0070	202-B130		10	Each	Removal of Piling
0080	203-EX035	(E)	109,612	Cubic Yard	Borrow Excavation, AH, FME, Class B9-6
0090	203-G003	(E)	62,497	Cubic Yard	Excess Excavation, FM, AH
0100	209-A004		18,538	Square Yard	Geotextile Stabilization, Type V, Non-Woven
0110	213-C001		7	Ton	Superphosphate
0120	217-A001		98	Square Yard	Ditch Liner
0130	220-A001		7	Acre	Insect Pest Control [\$30.00]
0140	221-A001	(S)	170	Cubic Yard	Portland Cement Concrete Paved Ditch
0150	223-A001		2	Acre	Mowing [\$50.00]
0160	224-A001		27	Square Yard	Soil Reinforcing Mat
0170	234-A001		6,225	Linear Feet	Temporary Silt Fence
0180	235-A001		100	Bale	Temporary Erosion Checks
0190	406-A001		5,965	Square Yard	Cold Milling of Bituminous Pavement, All Depths
0200	423-A001		2	Mile	Rumble Strips, Ground In
0210	501-E001		202	Linear Feet	Expansion Joints, Without Dowels
0220	502-A001	(C)	444	Square Yard	Reinforced Cement Concrete Bridge End Pavement
0230	603-CA002	(S)	496	Linear Feet	18" Reinforced Concrete Pipe, Class III
0240	606-B001		850	Linear Feet	Guard Rail, Class A, Type 1
0250	606-D012		8	Each	Guard Rail, Bridge End Section, Type I
0260	606-E002		8	Each	Guard Rail, Terminal End Section, Flared
0270	615-A018	(S)	80	Linear Feet	Concrete Bridge End Barrier, 33.5"
0280	619-A1003		8,105	Linear Feet	Temporary Traffic Stripe, Continuous White, Paint
0290	619-A2003		8,105	Linear Feet	Temporary Traffic Stripe, Continuous Yellow, Paint
0300	619-A5002		3,546	Linear Feet	Temporary Traffic Stripe, Detail, Paint
0310	619-A5003		1,950	Linear Feet	Temporary Traffic Stripe, Detail, Type 1 or 2 Tape
0320	619-C7001		71	Each	Two-Way Yellow Reflective High Performance Raised Marker

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0330	619-D1001		90	Square Feet	Standard Roadside Construction Signs, Less than 10 Square Feet
0340	619-D2001		336	Square Feet	Standard Roadside Construction Signs, 10 Square Feet or More
0350	619-F3004		24	Each	Delineators, Guard Rail, White
0360	619-G4001		96	Linear Feet	Barricades, Type III, Single Faced
0370	619-G4005		48	Linear Feet	Barricades, Type III, Double Faced
0380	619-G5001		34	Each	Free Standing Plastic Drums
0390	619-G7001		4	Each	Warning Lights, Type "B"
0400	619-K1001		200	Linear Feet	Installation and Removal of Guard Rail, Type I, Class A
0410	619-K2001		8	Each	Installation and Removal of Guard Rail, Bridge End Section
0420	619-K4001		8	Each	Installation and Removal of Guardrail, Terminal End Section
0430	620-A001		1	Lump Sum	Mobilization
0440	627-L001		44	Each	Two-Way Yellow Reflective High Performance Raised Markers
0450	630-A001		7	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness
0460	630-C003		10	Linear Feet	Steel U-Section Posts, 3.0 lb/ft
0470	630-F001		44	Each	Delineators, Guard Rail, White
0480	630-G001		8	Each	Type 3 Object Markers, OM-3R, Post Mounted
0490	815-A006	(S)	220	Ton	Loose Riprap, Size 100
0500	815-A009	(S)	20	Ton	Loose Riprap, Size 300
0510	815-E001	(S)	315	Square Yard	Geotextile under Riprap
0520	907-225-A001		13	Acre	Grassing
0530	907-225-B001		39	Ton	Agricultural Limestone
0540	907-225-C001		26	Ton	Mulch, Vegetative Mulch
0550	907-226-A001		13	Acre	Temporary Grassing
0560	907-234-C002		3,390	Linear Feet	Super Silt Fence
0570	907-237-A003		1,000	Linear Feet	Wattles, 20"
0580	907-245-A001		160	Linear Feet	Triangular Silt Dike
0590	907-246-B002		200	Each	Rockbags
0600	907-304-C005	(GY)	1,887	Cubic Yard	Granular Material, AEA, Class 9, Group C
0610	907-304-C010	(GY)	1,426	Cubic Yard	Granular Material, AEA, Class 5, Group E
0620	907-307-C003	(M)	7,001	Square Yard	6" Soil-Lime-Water Mixing, Class C
0630	907-307-D001		95	Ton	Lime
0640	907-307-S001	(A3)	1,751	Gallon	Bituminous Curing Seal
0650	907-403-A022	(BA1)	1,133	Ton	9.5-mm, MT, Asphalt Pavement
0660	907-403-A023	(BA1)	2,611	Ton	12.5-mm, MT, Asphalt Pavement

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0670	907-403-A024	(BA1)	2,617	Ton	19-mm, MT, Asphalt Pavement
0680	907-403-C011	(BA1)	275	Ton	19-mm, MT, Asphalt Pavement, Trench Widening
0690	907-407-A001	(A2)	1,571	Gallon	Asphalt for Tack Coat
0700	907-413-E001		122	Linear Feet	Sawing and Sealing Transverse Joints in Asphalt Pavement
0710	907-617-A001		24	Each	Right-of-Way Marker
0720	907-618-A001		1	Lump Sum	Maintenance of Traffic
0730	907-618-C001		1	Lump Sum	Construction and Removal of Detour Bridge (STA. 19+44 - 5 @ 31' SPANS)
0740	907-618-C001		1	Lump Sum	Construction and Removal of Detour Bridge (STA. 38+81 - 6 @ 31' SPANS)
0750	907-618-E001		2,175	Linear Feet	Detour Bridge Piling
0760	907-618-F003		1	Lump Sum	Detour Bridge PDA Test Pile
0770	907-626-B005		1,984	Linear Feet	6" Thermoplastic Double Drop Traffic Stripe, Continuous White
0780	907-626-C007		7,410	Linear Feet	6" Thermoplastic Double Drop Edge Stripe, Continuous White
0790	907-626-D005		4,697	Linear Feet	6" Thermoplastic Double Drop Traffic Stripe, Skip Yellow
0800	907-626-G006		150	Linear Feet	Thermoplastic Double Drop Detail Stripe, White
0810	907-626-G007		80	Linear Feet	Thermoplastic Double Drop Detail Stripe, Yellow
0820	907-626-H010		90	Square Feet	Thermoplastic Double Drop Legend, White
0830	907-699-B002		1	Lump Sum	Bridge Construction Stakes
ALTERNATE GROUP AA NUMBER 1					
0840	907-304-H002	(GY)	5,800	Cubic Yard	3/4" and Down Crushed Stone Base, LVM
ALTERNATE GROUP AA NUMBER 2					
0850	907-304-H003	(GY)	5,800	Cubic Yard	Size 610 Crushed Stone Base, LVM
ALTERNATE GROUP AA NUMBER 3					
0860	907-304-H004	(GY)	5,800	Cubic Yard	Size 825B Crushed Stone Base, LVM
ALTERNATE GROUP BB NUMBER 1					
0870	907-308-A001		107	Ton	Portland Cement
0880	907-308-B002	(M)	9,704	Square Yard	Soil-Cement-Water Mixing, Optional Mixers, Design Soil
0890	907-308-S001	(A3)	2,427	Gallon	Bituminous Curing Seal
ALTERNATE GROUP BB NUMBER 2					
0900	907-311-A003	(M)	9,704	Square Yard	Processing Lime and Fly Ash Treated Course, 6" Thick
0910	907-311-B001		72	Ton	Lime
0920	907-311-C001		288	Ton	Fly Ash, Class C
0930	907-311-S001	(A3)	2,427	Gallon	Bituminous Curing Seal
Bridge Items					
0940	501-K001		4,416	Square Yard	Transverse Grooving

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0950	803-D002	(S)	1,100	Linear Feet	HP 12 x 53 Steel Piling
0960	803-D003	(S)	3,245	Linear Feet	HP 14 x 73 Steel Piling
0970	803-D007	(S)	3,170	Linear Feet	HP 14 x 89 Steel Piling
0980	803-F009	(S)	1,056	Linear Feet	20" Pre-Formed Pile Hole
0990	803-I001	(S)	9	Each	PDA Test Pile
1000	803-J001	(S)	4	Each	Pile Restrike
1010	805-A001	(S)	337,977	Pounds	Reinforcement
1020	813-A001	(S)	1,988	Linear Feet	Concrete Railing
1030	815-A009	(S)	1,306	Ton	Loose Riprap, Size 300
1040	815-E001	(S)	2,764	Square Yard	Geotextile under Riprap
1050	907-804-A001	(S)	1,936	Cubic Yard	Bridge Concrete, Class AA
1060	907-804-C016	(S)	3,780	Linear Feet	40' Prestressed Concrete Beam, Type I+2
1070	907-804-C030	(S)	479	Linear Feet	80' Prestressed Concrete Beam, Type III
1080	907-804-C150	(S)	659	Linear Feet	110' Prestressed Concrete Beam, Type IV

ADDENDUM

STATE	PROJECT NO.
MISS.	BR-0023-02(050)

**DESCRIPTION OF SHEETS
SPECIAL DESIGN SHEETS ~ BRIDGE DRAWINGS**

DETAILED INDEX (BRIDGE)
SUMMARY OF QUANTITIES (BRIDGE ITEMS)
ESTIMATED QUANTITIES (BRIDGE ITEMS)

BRIDGE AT STA. 1313+34.08

SR 35 ACROSS SOUTH CANAL (GENERAL NOTES & LAYOUT)
SR 35 ACROSS SOUTH CANAL (FOUNDATION)
GENERALIZED SOIL PROFILE
END BENT 1 DETAILS
END BENT 6 DETAILS
END BENT DETAILS
INT. BENTS NO. 2 & 5 DETAILS
INT. BENT NO. 3 DETAILS
INT. BENT NO. 4 DETAILS
40 FT. SPANS NO. 1 & 2 DETAILS
40 FT. SPANS NO. 1 & 2 DETAILS
40 FT. SPANS NO. 4 & 5 DETAILS
40 FT. SPANS NO. 4 & 5 DETAILS
40 FT. SPAN DETAILS
80 FT. SPAN DETAILS
80 FT. SPAN DETAILS
80 FT. SPAN DETAILS
MISCELLANEOUS SPAN DETAILS
RAILING DETAILS
40 FT. BEAM DETAILS
80 FT. BEAM DETAILS

DETOUR BRIDGE AT STA. 19+44.00
DETOUR BRIDGE AT STA. 38+81.00

**SPECIAL DESIGN SHEETS
INFORMATION**

EXISTING BRIDGE AT STA. 1313+65.00
EXISTING BRIDGE AT STA. 1331+02.00

**SPECIAL DESIGN SHEETS
EROSION CONTROL PLANS**

BRIDGE AT STA. 1330+96.21

SR 35 ACROSS TUSCOLAMETA CREEK (GENERAL NOTES)
SR 35 ACROSS TUSCOLAMETA CREEK (LAYOUT & FOUNDATION)
SR 35 ACROSS TUSCOLAMETA CREEK (LAYOUT & FOUNDATION)
GENERALIZED SOIL PROFILE
END BENTS 1 & 18 DETAILS
END BENT DETAILS
INT. BENTS NO. 2,3,5,8,10,11,13,14,16 & 17 DETAILS
INT. BENTS NO. 4, 9, 12 & 15 DETAILS
INT. BENTS NO. 6 & 7 DETAILS
40 FT. SPAN DETAILS
40 FT. SPAN DETAILS
40 FT. SPAN DETAILS
110 FT. SPAN DETAILS
110 FT. SPAN DETAILS
MISCELLANEOUS SPAN DETAILS
RAILING DETAILS
40 FT. BEAM DETAILS (INT. SPAN)
40 FT. BEAM DETAILS (INT. SPAN)
110 FT. BEAM DETAILS

BRIDGE AT STA. 1313+34.08 EROSION CONTROL PLAN
BRIDGE AT STA. 1313+34.08 EROSION CONTROL PLAN
BRIDGE AT STA. 1330+96.21 EROSION CONTROL PLAN
BRIDGE AT STA. 1330+96.21 EROSION CONTROL PLAN

**SPECIAL DESIGN SHEETS
DETOUR BRIDGE DRAWINGS**

DBA1 OF 1
DBB1 OF 1

WORKING NUMBER

8047
8048

WORKING NUMBER

ECP 1
ECP 2
ECP 3
ECP 4

WORKING NUMBER

8045
8046

WORKING NUMBER

8047
8048

WORKING NUMBER

8049
8050
8051
8052

SHEET NUMBER

8045
8046

SHEET NUMBER

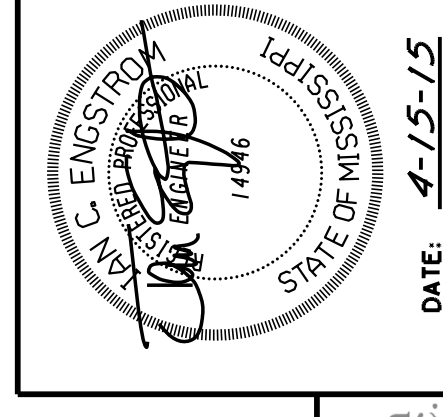
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SHEET NUMBER

8049
8050
8051
8052

BRIDGE DIVISION	
REVISIONS	
DATE	BY
2-20-15	MP
4-15-15	MP

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
DETAILED INDEX (BRIDGE)	
PROJECT	104211/301000
COUNTY	SCOTT/LEAKE
WORKING NUMBER	DI-BR
SHEET NUMBER	8001



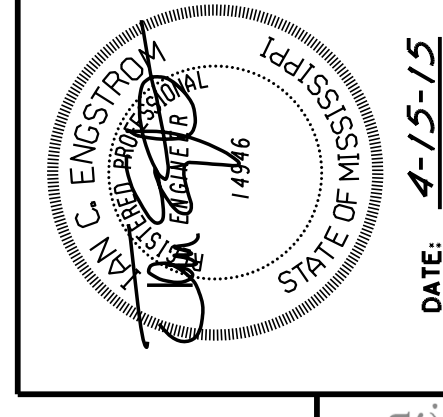
DATE: 4-15-15

ADDENDUM

STATE	PROJECT NO.
MISS.	BR-0023-02(050)

PAY ITEM NO.	PAY ITEM	UNIT	SCOTT		LEAKE		TOTAL	
			PRELIMINARY	FINAL	PRELIMINARY	FINAL	PRELIMINARY	FINAL
501-K001	Transverse grooving	S.Y.	1074.9		3340.4		4415.3	
803-D002	HP12x53 Steel piling	L.F.	500.0		600.0		1100.0	
803-D003	HP14x73 Steel piling	L.F.	0.0		3245.0		3245.0	
803-D007	HP14x89 Steel piling	L.F.	1855.0		1315.0		3170.0	
803-F009	20" Pre-Formed pile hole	L.F.	1056.0		0.0		1056.0	
803-I001	PDA Test pile	EA.	3.0		6.0		9.0	
803-J001	Pile restrike	EA.	2.0		2.0		4.0	
907-804-A001	Bridge concrete class AA	C.Y.	536.84	⚠	1398.73	⚠	1935.57	⚠
907-804-C016	40' Prestressed concrete beam, type 1+2	L.F.	945.00		2835.00		3780.0	
907-804-C030	80' Prestressed concrete beam, type III	L.F.	478.50		0.00		478.50	
907-804-C150	110' Prestressed concrete beam, type IV	L.F.	0.00		658.50		658.50	
805-A001	Reinforcement	LB.	87,248.00		250,729.00		337,977	
813-A001	Concrete railing	L.F.	483.67		1503.17		1986.84	
815-A009	Loose riprap, size 300	Ton	499.00		807.00		1306.00	
815-E001	Geotextile fabric under riprap	S.Y.	1,057.00		1707.00		2764.00	

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
SUMMARY OF QUANTITIES (BRIDGE ITEMS)	
PROJECT	104211/301000
BR-0023-02(050)	
COUNTY	SCOTT/LEAKE
WORKING NUMBER	50-BR
SHEET NUMBER	8002
DESIGNED	D.S.
CHECKED	J.C.E.
TRACED	T.M.
ISSUED	J.C.E.
DATE	2-20-15



BR	
REVISIONS	
4-15-15	REVISED QUANTITIES
2-20-15	REPLACED SHEET
DATE	

ADDENDUM

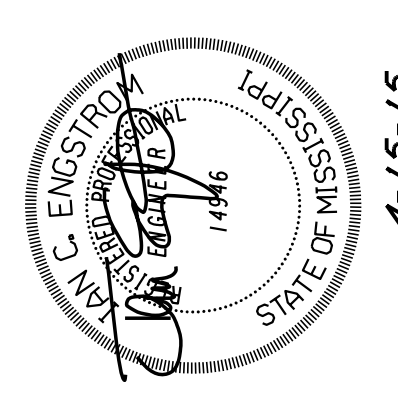
STATE PROJECT NO.
MISS. BR-0023-02(050)

BRIDGE	BEGINNING STATION	SPANS-SIZE	OVERALL LENGTH	ITEM	Transverse grooving	HP12x53 steel piling	HP14x73 steel piling	HP14x89 steel piling	20" preformed pile hole	PDA test pile	PDA restrike	Class AA bridge concrete	40 ft. prest. conc. type I+2	80 ft. prest. conc. type III	110 ft. prest. conc. type IV	Reinforce-ment	Concrete railing	Loose riprap (300#)	Geotextile fabric																		
						L.f.	L.f.	L.f.	L.f.	Ea.	Ea.	C.y.	L.f.	L.f.	L.f.	Lb.	L.f.	Ton	S.Y.																		
"A"	1313+34.21(2 @ 40'-80'-241'-10")	(2 @ 40') • Continuous for live load only	Spans End bents Int. bents Total	1074 9	500 0	1855 0	1855 0	1056 0	2	1	352 00	945 00	478 50	66806	483 67	499 00	1057 00																				
																					1074 9	500 0	1855 0	1855 0	1056 0	2	1	352 00	945 00	478 50	66806	483 67	499 00	1057 00			
																					1074 9	500 0	1855 0	1855 0	1056 0	3	2	536 84	945 00	478 50	87248	483 67	499 00	1057 00			
																					1074 9	500 0	1855 0	1855 0	1056 0	3	2	536 84	945 00	478 50	87248	483 67	499 00	1057 00			
"B"	1330+96.21(3 @ 40'-12 @ 75'-7")	(3 @ 40'-12 @ 75'-7") • Continuous for live load only	Spans End bents Int. bents Total	3340 4	600 0	1315 0	1315 0		2	1	983 78	2835 00	478 50	212712	1503 17	807 00	1707 00																				
																					3340 4	600 0	1315 0	1315 0		2	1	983 78	2835 00	478 50	212712	1503 17	807 00	1707 00			
																					3340 4	600 0	1315 0	1315 0		4	1	367 45	2835 00		28986	1503 17	807 00	1707 00			
																					3340 4	600 0	1315 0	1315 0		6	2	1398 73	2835 00		250729	1503 17	807 00	1707 00			
Totals					4415.3	1100.0	3245.0	3170.0	1056.0	9	4	1935.57	3780.00	478.50	658.50	337977	1986.84	1306.00	2764.00																		

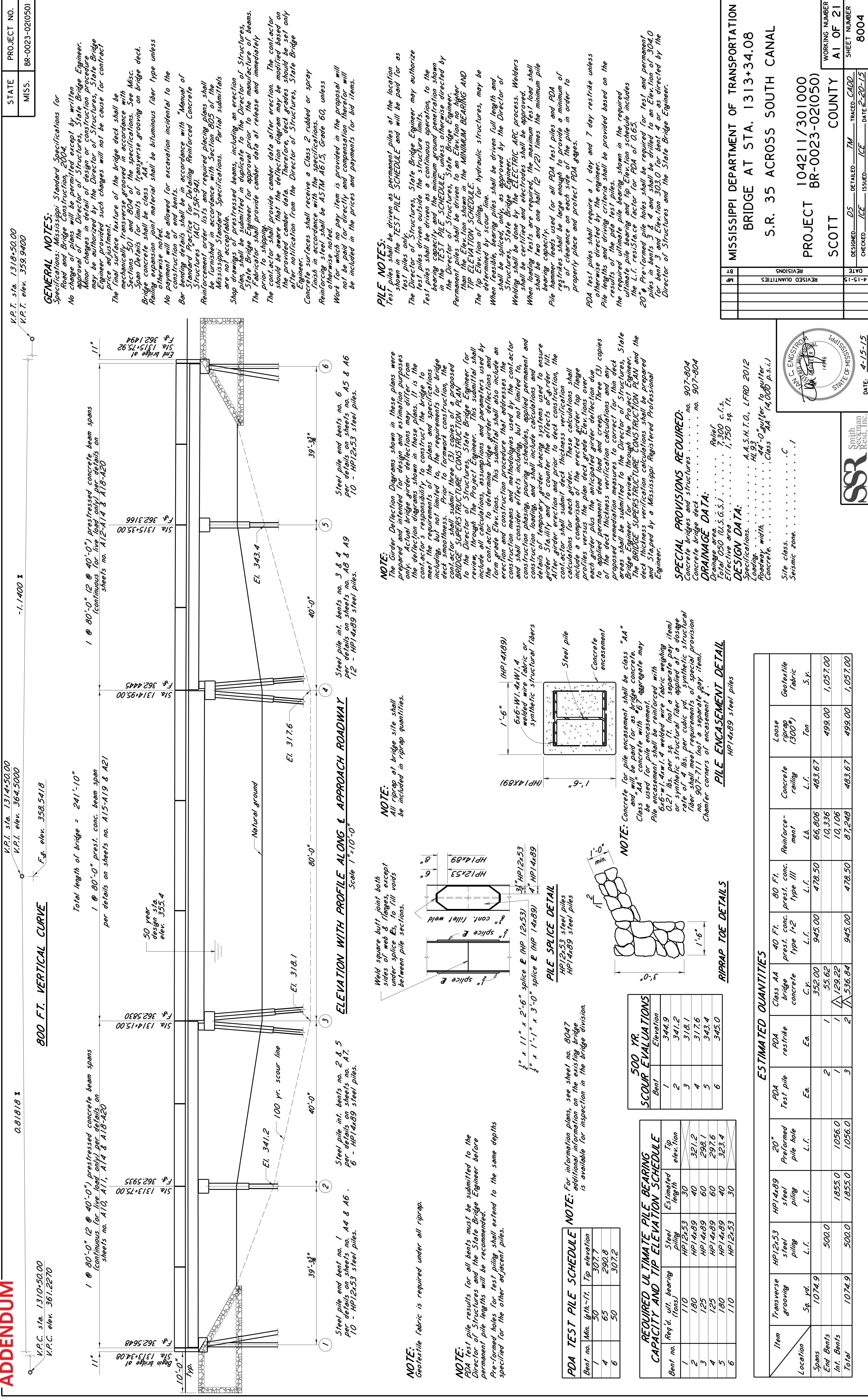
BR	
REVISIONS	
DATE	4-15-15
DESIGNED	DS
CHECKED	JCE
TRACED	TM
ISSUED	JCE
DATE	2-20-15
WORKING NUMBER	EO-BR
SHEET NUMBER	8003

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ESTIMATED QUANTITIES
(BRIDGE ITEMS)

PROJECT 104211/301000
BR-0023-02(050)
SCOTT/LEAKE COUNTY



ADDENDUM



GENERAL NOTES:
 Specifications: Mississippi Standard Specifications for Road and Bridge Construction, 2004.
 No change of plans will be permitted except by written approval of the Director of Structures, State Bridge Engineer.
 Minor changes in detail 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 301 and 804 of the specifications. See Misc. Bridge Details for limits of transverse grooving on bridge deck.
 Rebar expansion joint material shall be bituminous fiber type unless otherwise noted.
 No payment will be allowed for excavation incidental to the construction of pile bents.
 Shop drawings shall be in accordance with "Manual of Standard Practice for Detailing Reinforced Concrete Structures" (ACI 318-94).
 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 beams.
 The fabricator shall provide camber data at release and immediately prior to shipping.
 The contractor shall provide camber data after erection. The contractor should be aware that the deflection diagram may be modified based on the provided camber data. Therefore, deck grades should be set only after notification from the Director of Structures, State Bridge Engineer.
 Concrete surfaces shall receive a Class 2 rubbed or spray finish in accordance with the specifications.
 Reinforcing steel shall be ASTM A615, Grade 60, unless otherwise noted.
 Work for which no pay item is provided in the proposal will not be paid for directly and compensation therefor will be included in the prices and payments for bid items.

PILE NOTES:
 Test piles shall be driven as permanent piles at the location shown in the TEST PILE SCHEDULE and will be paid for as such.
 The Director of Structures, State Bridge Engineer may authorize test piles driven outside the structure limits.
 Test piles shall be driven as a continuous operation, to the bearing capacity and the minimum ground penetration shown in the 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 MINIMUM BEARING 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.
 Welding shall be done by the ELECTRIC ARC process. Welders shall be certified and electrodes shall be approved.
 When loading tests are required, the maximum test load shall be two and one half (2 1/2) times the minimum pile bearing capacity.
 Pile hammer leads used for all PDA test piles and PDA registers 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.
 PDA test piles shall require a 1 day and 7 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 capacity shown in the required ultimate pile bearing capacity schedule includes the L.F. resistance factor (PDA of 0.65).
 20' Pre-formed pile holes shall be required for test and permanent piles in bents 3, 4 and shall be drilled to an Elevation of 304.0 for bent 3 and Elevation 303.0 for bent 4, as directed by the Director of Structures and the State Bridge Engineer.

NOTE:
 The Girder Deflection Diagrams shown in these plans were prepared and intended for design and estimation purposes only. Actual 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 Director of Structures, State Bridge Engineer for review. The Project Engineer, has authority to require all calculations, dimensions and materials used by the contractor to determine bridge order quantities and form grade Elevations. This submittal shall also include an erection and construction methodology used by the contractor and shall consider effects including, but not limited to, construction phasing, pouring schedules, applied permanent 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 verifications 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 Director of Structures, State Bridge Engineer for review, through the Project Engineer, and stamped by a Mississippi Registered Professional Engineer.

NOTE:
 All riprap at bridge site shall be included in riprap quantities.

NOTE:
 Geotextile fabric is required under all riprap.

NOTE:
 PDA Test pile results for all bents must be submitted to the Director of Structures and the State Bridge Engineer before permanent pile lengths will be recommended.
 Pre-formed holes for test piling shall extend to the same depths specified for the other adjacent piles.

PDA TEST PILE SCHEDULE

Bent no.	Min. Lgth.-ft.	Tip elevation
1	50	290.8
4	50	307.2

REQUIRED ULTIMATE PILE BEARING CAPACITY AND TIP ELEVATION SCHEDULE

Bent no.	Req'd. ult. bearing (tons)	Estimated piling length	Tip elevation
1	110	HP12x53	30
2	180	HP14x89	40
3	125	HP14x89	60
4	125	HP14x89	60
5	180	HP14x89	40
6	110	HP12x53	30

500 YR. SCOUR EVALUATIONS

Bent	Elevation
1	344.9
2	341.2
3	318.1
4	317.6
5	343.4
6	345.0

NOTE:
 For information plans, see sheet no. 8047 additional information on the existing bridge is available for inspection in the bridge division.

800 FT. VERTICAL CURVE
 Total length of bridge = 241'-10"
 1 @ 80'-0" prest. conc. beam span
 per details on sheets no. A10, A11, A14 & A18-A20

800 FT. VERTICAL CURVE
 Total length of bridge = 241'-10"
 1 @ 80'-0" prest. conc. beam span
 per details on sheets no. A15-A19 & A21

800 FT. VERTICAL CURVE
 Total length of bridge = 241'-10"
 1 @ 80'-0" prestressed concrete beam spans
 (Continuous for live load only) per details on sheets no. A12-A14 & A18-A20

ELEVATION WITH PROFILE ALONG & APPROACH ROADWAY
 Scale 1"=10'-0"

PILE SPICE DETAIL
 HP12x53 steel piles
 HP14x89 steel piles

PILE ENCASEMENT DETAIL
 HP14x89 steel piles

RIPRAP TOE DETAILS
 HP14x89 steel piles

SPECIAL PROVISIONS REQUIRED:
 Concrete bridges and structures no. 907-804
 Concrete bridge deck no. 907-804
DRAINAGE DATA:
 Drainage area 1,300 c.f.s.
 Effective area 1,750 sq. ft.
DESIGN DATA:
 Specifications A.A.S.H.T.O., LFRD 2012
 Loading HL93
 Roadway width 44'-0" gutter to gutter
 Concrete Class "AA" (4,000 p.s.i.)
 Site class C
 Seismic zone C

ESTIMATED QUANTITIES

Item	Transverse grooving	HP12x53 steel piling	HP14x89 steel piling	20' Pre-formed pile hole	PDA Test pile	PDA restrike	Class AA bridge concrete	80 Ft. prest. conc. type III	Concrete railing	Loose riprap (300')	Geotextile fabric
Spans	1074.9	500.0	1855.0	1056.0	2	1	352.00	478.50	483.67	499.00	1,057.00
Int. Bents	1074.9	500.0	1855.0	1056.0	1	1	55.62	10,336	66,806	499.00	1,057.00
Total	1074.9	500.0	1855.0	1056.0	3	2	536.84	478.50	483.67	499.00	1,057.00

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
 BRIDGE AT STA. 1313+34.08
 S.R. 35 ACROSS SOUTH CANAL
 PROJECT 104211/301000
 BR-0023-02(050)
 SCOTT COUNTY
 WORKING NUMBER AI OF 21
 SHEET NUMBER 8004

DESIGNED: DS
 CHECKED: JCE
 ISSUED: JCE
 DATE: 4-15-15

DATE: 4-15-15

DATE: 4-15-15

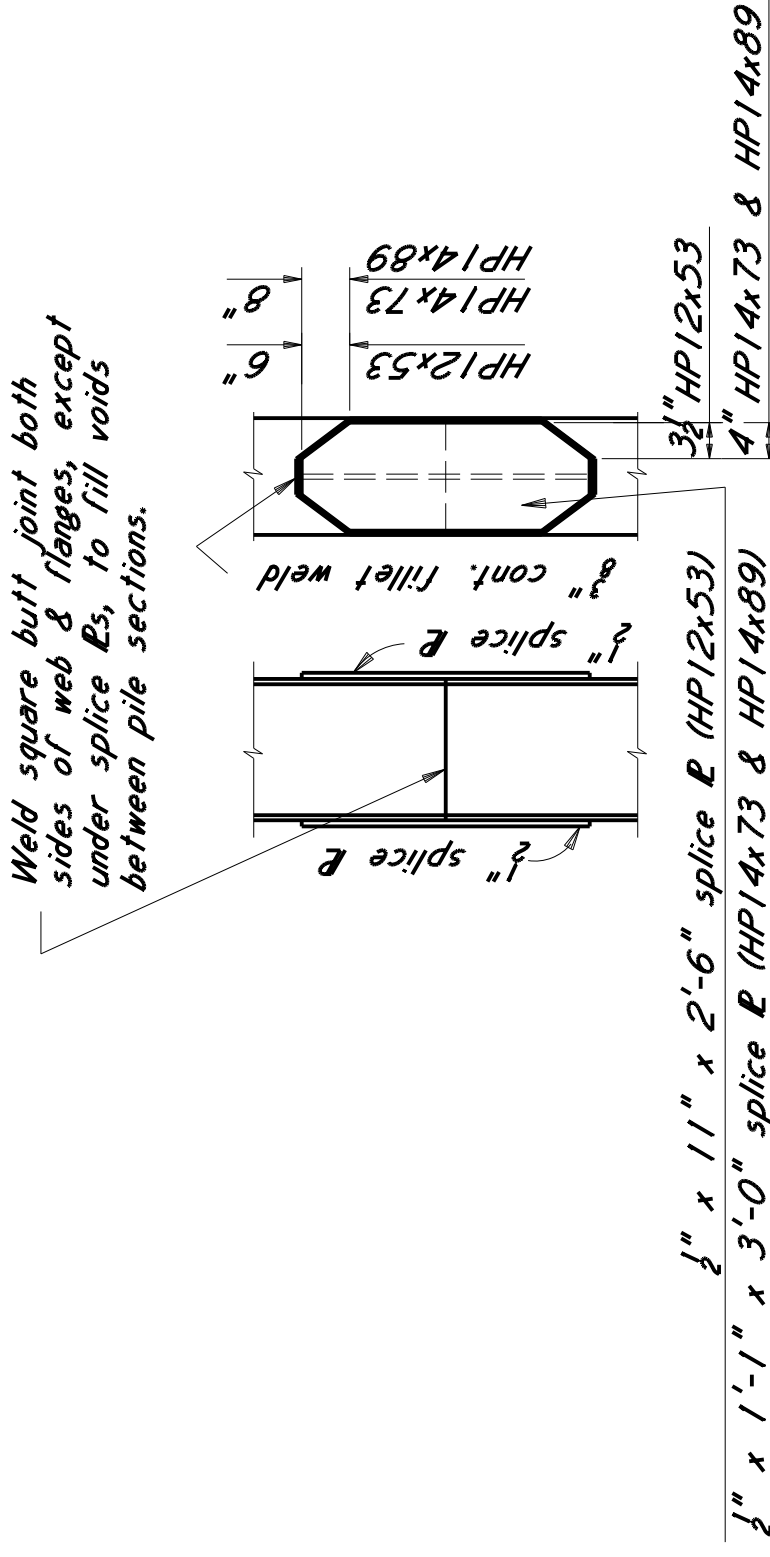
DATE: 4-15-15

DATE: 4-15-15

DATE: 4-15-15

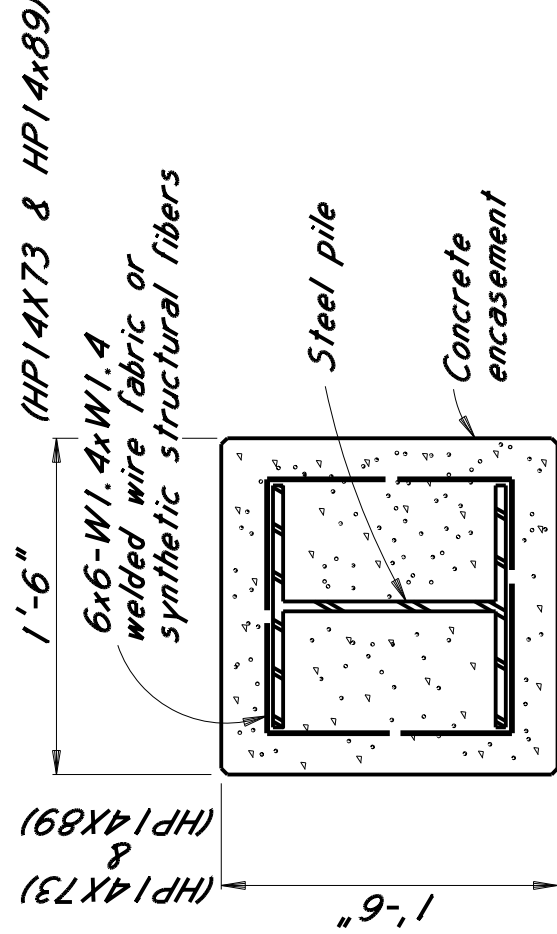
ADDENDUM

STATE	PROJECT NO.
MISS.	BR-0023-02(051)



PILE splice DETAIL
HP12x53 steel piles
HP14x89 steel piles

HP12x53 steel piles
HP14x89 steel piles



NOTE: Concrete for pile encasement shall be class "aa" and will be paid for as bridge concrete. Class "aa" concrete with #67 aggregate may be used for pile encasement. Pile encasement shall be reinforced with 6x6-w,1.4xw,1.4 welded wire fabric weighing 0.21 lbs. per sq. ft. (not a separate pay item) or synthetic structural fiber applied at a dosage rate of 1.0 lbs. per cubic yd. Synthetic structural fiber shall meet requirements of special provision no. 907-711 (not a separate pay item). chamfer corners of encasement 4".

PILE ENCASEMENT DETAIL
HP14x73 steel piles
HP14x89 steel piles

HP14x73 steel piles
HP14x89 steel piles

NOTE: The Girder Deflection Diagrams shown in these plans were prepared and intended for design and estimate purposes only. Actual bridge deflection and estimated deflection shall be determined from field measurements. 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 Director of Structures, State 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 lift. 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 thickness tolerances and corrections. Three (3) copies of applied thickness verification calculations for each deck proposed remediation measures to correct for thin deck areas shall be submitted to the Director of Structures, State 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.

SPECIAL PROVISIONS REQUIRED:
Concrete bridges and structures..... No. 907-804
Concrete bridge deck..... No. 907-804

DRAINAGE DATA:
Drainage area..... 411.58 mi.
Total GSO (U.S.G.S.)..... 15,108 c.f.s.
Effective area..... 6,586 sq. ft.

DESIGN DATA:
Specifications..... A.A.S.H.T.O., L.I. 2012
Loadings..... HL93
Roadway width..... 44'-0" gutter to gutter

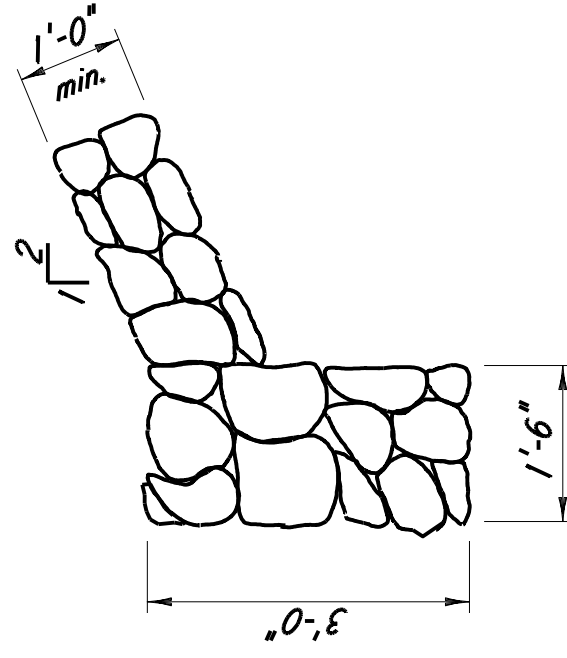
Site class..... C
Seismic zone.....

Bent no.	Min. lgt.-ft.	Tip elevation
1	50	306.9
2	50	306.9
4	50	307.3
6	65	290.4
10	55	302.7
13	50	307.2
18	50	306.0

NOTE: For information plans, see sheet no. 804B additional information on the existing bridge is available for inspection in the bridge division.

NOTE: PDA Test pile results for all bents must be submitted to the director of structures and the state bridge engineer before permanent pile lengths will be recommended

Bent no.	Req'd. ult. bearing (Tons)	Steel piling	Estimated length	Tip elevation
1	110	HP12x53	35	
2	180	HP14x73	45	313.3
3	180	HP14x73	40	322.3
4	180	HP14x73	40	322.7
5	180	HP14x73	40	322.3
6	125	HP14x89	60	298.9
7	180	HP14x89	55	301.1
8	180	HP14x73	40	323.6
9	180	HP14x73	40	322.0
10	180	HP14x73	45	315.3
11	180	HP14x73	45	316.1
12	180	HP14x73	40	319.5
13	180	HP14x73	40	321.3
14	180	HP14x73	40	317.7
15	180	HP14x73	40	320.9
16	180	HP14x73	40	317.3
17	180	HP14x73	40	304.7
18	110	HP12x53	35	



RIPRAP TOE DETAILS

ESTIMATED QUANTITIES

Item	Location	Transverse grooving Sp. yd.	HP12x53 steel piling	HP14x73 steel piling	HP14x89 steel piling	PDA test pile Ea.	PDA restrike Ea.	Class AA bridge concrete		Reinforce-ment Lb.	Concrete railing L.f.	Loose riprap (300#) Ton	Geotextile fabric S.y.
								C.K.	L.f.				
Spans		3340.4						983.78	2835.00	212,712	1503.17	807.00	1707
End bents			600.0			2	1	47.50		9,031			
Int. bents				3245.0		4	1	367.45		28,986			
Total		3340.4	600.0	3245.0		6	2	1398.73	2835.00	250,729	1503.17	807.00	1707

GENERAL NOTES:

Specifications: Mississippi Standard Specifications for Road and Bridge Construction, 2004.
No change of plans. Will be permitted except by written approval of the Director of Structures, State Bridge Engineer. Minor changes in design or construction proposed by Engineer 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 Section 501 and 804 of the specifications. See Misc Bridge Details for limits of transverse grooving on bridge deck.
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 beams. The fabricator shall provide camber data at release and immediately prior to shipping.
The Contractor shall provide camber data after erection. The Contractor should be aware that the erection diagram may be modified based on the provided camber data. Therefore, deck grades should be set only after verification from the Director of Structures, State Bridge Engineer.

Concrete surfaces shall receive a Class 2 rubbed or spray finish in accordance with the specifications.
Reinforcing steel shall be ASTM A615, Grade 60, unless otherwise noted.
Work for which no pay item is provided in the proposal will not be paid for directly and compensation therefor will be included in the prices and payments for bid items.

PILE NOTES:

Test piles shall be driven as permanent piles at the location shown in the 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 structure limits.
Test piles shall be driven as a continuous operation, to the bearing capacity, and the minimum ground penetration shown in the 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 MINIMUM BEARING 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.
Welding shall be done by the ELECTRIC ARC process. Welders shall be certified and electricians shall be approved.
When loading tests are required, the maximum test load shall be two and one half (2 1/2) times the minimum pile bearing capacity.
Pile hammer heads 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.

PDA test piles shall require a 1 day and 7 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 and tip elevation schedule includes the L.I. resistance factor for pda of 0.65.
20' Pre-formed pile holes shall be required for test and permanent piles in bents 3 & 4 and shall be drilled to an elevation of 304.0 for bent 3 and elevation 303.0 for bent 4 or as directed by the director of structures and the state bridge engineer.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
BRIDGE AT STA. 1330+96.21

S.R. 35 ACROSS TUSCOLAMETA CREEK

PROJECT 104211/302000
BR-0023-02(051)

LEAKE COUNTY

DESIGNED: DS
CHECKED: JCE
DATE: 2-20-15

TRACED: TM
ISSUED: JCE
DATE: 4-15-15

WORKING NUMBER
BI OF 20
SHEET NUMBER
8025

