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	2/18/2014	ADDENDUM NO.		DATED	
ADDENDUM NO		DATED		ADDENDUM NO.		DATED	

Number	Description
1	Revise Table of Contents, replace same; Add SP No. 907-247-1; Revise Bid Items, replace same; Revise or Added Plan Sheet Nos. 2, 10-11, 13, 17, 8001-8004, 8026, 8039; 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.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

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COMBINATION BID PROPOSAL
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CERTIFICATION REGARDING NON-COLLUSION, DEBARMENT AND SUSPENSION
SECTION 902- CONTRACT FORM, AND SECTION 903 - CONTRACT BOND FORMS
PILE DRIVING FORM
FORM -- OCR-485

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

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-247-1 **CODE: (SP)**

DATE: 01/11/2010

SUBJECT: Temporary Stream Diversion

Section 907-247, Temporary Stream Diversion, is hereby added to and made a part of the 2004 Edition of the Mississippi Standard Specifications for Road and Bridge Construction as follows.

SECTION 907-247 -- TEMPORARY STREAM DIVERSION

907-247-.01--Description. Temporary stream diversion shall consist of excavating, stockpiling excavated material, and constructing a stream diversion at a new/existing drainage structure. It shall also include preparation of the diversion stream's bottom and slopes in accordance with the erosion control drawings.

907-247.02--Materials. Geotextiles of the type specified shall meet the requirements of Subsection 714.13. Riprap of the size specified shall meet the requirements of Section 705.

907-247.03--Construction Requirements. Temporary stream diversion(s) will be constructed in accordance with the erosion control drawings.

During the excavation of the stream diversion, all excavated material shall be stockpiled and used to backfill the stream diversion when no longer needed. The stockpiled material shall be treated so the sediment runoff from the stockpile shall not contaminate surrounding areas or enter the nearby streams. If the Contractor elects not to stockpile and maintain suitable excavated material, other suitable material will be used to backfill the stream diversion at no additional costs to the State. Any excavated material that the Engineer deems to be unsatisfactory, will be removed from the project and replaced with suitable material when the stream diversion is backfilled.

907-247.04--Method of Measurement. Temporary stream diversion will be measured per each. Stream diversions that are both left and right of a station number will not be measured separately and will be measured as one unit (each).

Payment for the disposal and replacement of the unsuitable excavated material during the construction of the stream diversion will be measured and payment made under the appropriate pay items.

907-247.05--Basic of Payment. Temporary stream diversion, measured as prescribed above, will be paid for per each, which prices shall be full compensation for all excavation, backfill, geotextile fabric, pumps, pipe, sandbags, riprap, maintenance of the installation, backfill after no longer needed, and for all labor, tools, equipment, and incidentals necessary to complete the work.

Payment will be made under:

907-247-A: Temporary Stream Diversion - per each

Replace Bridge Nos. 15.7, 17.4, & 19.1 on SR 433, known as Federal Aid Project No. BR-0510-00(009) / 103321301 in Yazoo County.

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
					Roadway Items
0010	201-A001		1	Lump Sum	Clearing and Grubbing
0020	201-B001		1	Acre	Clearing and Grubbing
0030	202-B005		13,544	Square Yard	Removal of Asphalt Pavement, All Depths
0040	202-B009		3	Each	Removal of Bridge
0050	202-B019		1	Each	Removal of Concrete Headwall
0060	202-B064		148	Linear Feet	Removal of Pipe, 8" And Above
0070	202-B076		1,000	Linear Feet	Removal of Traffic Stripe
0080	202-B088		1	Each	Removal of Box Culvert Headwall, All Sizes
0090	202-B102		1,275	Linear Feet	Removal of Guard Rail
0100	203-EX017	(E)	102,028	Cubic Yard	Borrow Excavation, AH, FME, Class B9
0110	203-G003	(E)	26,780	Cubic Yard	Excess Excavation, FM, AH
0120	206-A001	(S)	578	Cubic Yard	Structure Excavation
Changed 02/18/2014					
0130	206-B001	(E)	250	Cubic Yard	Select Material for Undercuts, Contractor Furnished, FM
0140	209-A004		14,184	Square Yard	Geotextile Stabilization, Type V, Non-Woven
0150	212-B001		243	Square Yard	Standard Ground Preparation
0160	213-B001		14	Ton	Combination Fertilizer, 13-13-13
0170	213-C001		4	Ton	Superphosphate
0180	217-A001		500	Square Yard	Ditch Liner
0190	219-A001		5	Thousand Gallon	Watering [$20.00]
0200	220-A001		14	Acre	Insect Pest Control [$30.00]
0210	221-A001	(S)	31	Cubic Yard	Portland Cement Concrete Paved Ditch
0220	223-A001		1	Acre	Mowing [$50.00]
0230	234-A001		3,070	Linear Feet	Temporary Silt Fence
0240	235-A001		108	Bale	Temporary Erosion Checks
0250	236-A004		15	Each	Silt Basin, Type D
0260	408-A003	(A3)	1,984	Gallon	Asphalt for Prime Coat, Cut-Back MC-70 or Emulsified EA-1
0270	423-A001		3	Mile	Rumble Strips, Ground In
0280	501-E001		172	Linear Feet	Expansion Joints, Without Dowels
0290	501-K001		334	Square Yard	Transverse Grooving
0300	502-A001	(C)	350	Square Yard	Reinforced Cement Concrete Bridge End Pavement
0310	602-A001	(S)	25,230	Pounds	Reinforcing Steel

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0320	603-CA002	(S)	66	Linear Feet	18" Reinforced Concrete Pipe, Class III
0330	603-CA003	(S)	120	Linear Feet	24" Reinforced Concrete Pipe, Class III
0340	603-CA007	(S)	52	Linear Feet	48" Reinforced Concrete Pipe, Class III
0350	603-CB001	(S)	4	Each	18" Reinforced Concrete End Section
0360	603-CB002	(S)	2	Each	24" Reinforced Concrete End Section
0370	603-CB006	(S)	1	Each	48" Reinforced Concrete End Section
0380	606-B001		850	Linear Feet	Guard Rail, Class A, Type 1
0390	606-D012		8	Each	Guard Rail, Bridge End Section, Type I
0400	606-E001		8	Each	Guard Rail, Terminal End Section
0410	609-D002	(S)	273	Linear Feet	Combination Concrete Curb and Gutter Type 2
0420	615-A015	(S)	80	Linear Feet	Concrete Bridge End Barrier, 32"
0430	618-A001		1	Lump Sum	Maintenance of Traffic
0440	618-B001				
Deleted 02/18/2014					
0450	619-A1003		1,017	Linear Feet	Temporary Traffic Stripe, Continuous White, Paint
0460	619-A2003		1,017	Linear Feet	Temporary Traffic Stripe, Continuous Yellow, Paint
0470	619-D1001		264	Square Feet	Standard Roadside Construction Signs, Less than 10 Square Feet
0480	619-D2001		1,438	Square Feet	Standard Roadside Construction Signs, 10 Square Feet or More
0490	619-G4001		564	Linear Feet	Barricades, Type III, Single Faced
0500	619-G4005		72	Linear Feet	Barricades, Type III, Double Faced
0510	619-G5001		217	Each	Free Standing Plastic Drums
0520	619-G7001		12	Each	Warning Lights, Type "B"
0530	620-A001		1	Lump Sum	Mobilization
0540	627-J001		130	Each	Two-Way Clear Reflective High Performance Raised Markers
0550	627-L001		139	Each	Two-Way Yellow Reflective High Performance Raised Markers
0560	630-A001		13	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness
0570	630-A002		52	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness
0580	630-C004		158	Linear Feet	Steel U-Section Posts, 3.0 to 3.5 lb/ft
0590	630-F001		44	Each	Delineators, Guard Rail, White
0600	630-G001		4	Each	Type 3 Object Markers, OM-3R, Post Mounted
0610	630-G003		4	Each	Type 3 Object Markers, OM-3L, Post Mounted
0620	805-A001	(S)	101,104	Pounds	Reinforcement
Changed 02/18/2014					
0630	815-A006	(S)	540	Ton	Loose Riprap, Size 100
0640	815-A009	(S)	1,862	Ton	Loose Riprap, Size 300

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0650	815-E001	(S)	382	Square Yard	Geotextile under Riprap
0660	815-F002	(S)	310	Ton	Sediment Control Stone
0670	907-216-A001		243	Square Yard	Solid Sodding
0680	907-225-A001		7	Acre	Grassing
0690	907-225-B001		21	Ton	Agricultural Limestone
0700	907-225-C001		14	Ton	Mulch, Vegetative Mulch
0710	907-226-A001		4	Acre	Temporary Grassing
0720	907-234-C002		1,265	Linear Feet	Super Silt Fence
0730	907-237-A003		776	Linear Feet	Wattles, 20"
0740	907-245-A001		540	Linear Feet	Triangular Silt Dike
0750	907-246-A002		540	Each	Sandbags
0752	907-247-A001		1	Each	Temporary Stream Diversion
Added 02/18/2014					
0760	907-304-B002	(GT)	12,330	Ton	Granular Material, Class 5, Group D
0770	907-407-A001	(A2)	1,470	Gallon	Asphalt for Tack Coat
0780	907-413-E001		172	Linear Feet	Sawing and Sealing Transverse Joints in Asphalt Pavement
0790	907-601-A001	(S)	115	Cubic Yard	Class "B" Structural Concrete
0800	907-601-B003	(S)	3	Cubic Yard	Class "B" Structural Concrete, Minor Structures
0810	907-603-ALT01	(S)	548	Linear Feet	18" Type A Alternate Pipe
0820	907-603-ALT02	(S)	60	Linear Feet	24" Type A Alternate Pipe
0830	907-617-A001		66	Each	Right-of-Way Marker
0840	907-626-C008		12,444	Linear Feet	6" Thermoplastic Edge Stripe, Continuous White
0850	907-626-D004		1,200	Linear Feet	6" Thermoplastic Traffic Stripe, Skip Yellow
0860	907-626-E003		10,972	Linear Feet	6" Thermoplastic Traffic Stripe, Continuous Yellow
0870	907-626-G004		1,034	Linear Feet	Thermoplastic Detail Stripe, White
0880	907-626-H004		207	Linear Feet	Thermoplastic Legend, White
0890	907-699-A002		1	Lump Sum	Roadway Construction Stakes
0900	907-804-B001	(S)	521	Cubic Yard	Box Bridge Concrete, Class B
Changed 02/18/2014					
				ALTERNATE GROUP AA NUMBER 1	
0910	907-304-F002	(GT)	3,991	Ton	Size 610 Crushed Stone Base
				ALTERNATE GROUP AA NUMBER 2	
0920	907-304-F003	(GT)	3,991	Ton	3/4" and Down Crushed Stone Base
				ALTERNATE GROUP AA NUMBER 3	
0930	907-304-F004	(GT)	3,991	Ton	Size 825B Crushed Stone Base
				ALTERNATE GROUP BB NUMBER 1	

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0940	907-403-A011	(BA1)	1,759	Ton	Hot Mix Asphalt, ST, 12.5-mm mixture
					ALTERNATE GROUP BB NUMBER 2
0950	907-403-M003	(BA1)	1,759	Ton	Warm Mix Asphalt, ST, 12.5-mm mixture
					ALTERNATE GROUP CC NUMBER 1
0960	907-403-A012	(BA1)	2,860	Ton	Hot Mix Asphalt, ST, 19-mm mixture
					ALTERNATE GROUP CC NUMBER 2
0970	907-403-M004	(BA1)	2,860	Ton	Warm Mix Asphalt, ST, 19-mm mixture
					ALTERNATE GROUP DD NUMBER 1
0980	907-403-A015	(BA1)	2,240	Ton	Hot Mix Asphalt, ST, 9.5-mm mixture
					ALTERNATE GROUP DD NUMBER 2
0990	907-403-M001	(BA1)	2,240	Ton	Warm Mix Asphalt, ST, 9.5-mm mixture
					ALTERNATE GROUP EE NUMBER 1
1000	907-403-C005	(BA1)	160	Ton	Hot Mix Asphalt, ST, 19-mm mixture, Trench Widening
					ALTERNATE GROUP EE NUMBER 2
1010	907-403-O001	(BA1)	160	Ton	Warm Mix Asphalt, ST, 19-mm mixture, Trench Widening
					ALTERNATE GROUP FF NUMBER 1
1020	628-J002		1,655	Linear Feet	6" High Performance Cold Plastic Traffic Stripe, Continuous White
1030	628-L002		1,655	Linear Feet	6" High Performance Cold Plastic Traffic Stripe, Skip Yellow
1040	628-M002		1,655	Linear Feet	6" High Performance Cold Plastic Traffic Stripe, Continuous Yellow
					ALTERNATE GROUP FF NUMBER 2
1050	907-626-J003		1,655	Linear Feet	6" Inverted Profile Thermoplastic Traffic Stripe, Continuous White
1060	907-626-K003		1,655	Linear Feet	6" Inverted Profile Thermoplastic Traffic Stripe, Skip Yellow
1070	907-626-L001		1,655	Linear Feet	6" Inverted Profile Thermoplastic Traffic Stripe, Continuous Yellow
					Bridge Items
1080	501-K001		2,656	Square Yard	Transverse Grooving
1090	803-B002	(S)	4	Each	Conventional Static Pile Load Test [$5,000.00]
1100	803-C003	(S)	1,980	Linear Feet	16" x 16" Prestressed Concrete Piling
1110	803-C004	(S)	4,895	Linear Feet	18" x 18" Prestressed Concrete Piling
1120	803-F005	(S)			
Deleted 02/18/2014					
1130	803-F007	(S)			
Deleted 02/18/2014					
1132	803-F012	(S)	522	Linear Feet	23" Pre-Formed Pile Hole
Added 02/18/2014					
1134	803-F014	(S)	1,903	Linear Feet	26" Pre-Formed Pile Hole
Added 02/18/2014					

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
1140	803-I001	(S)	8	Each	PDA Test Pile
1150	803-J001	(S)	4	Each	Pile Restrike
1160	803-N001	(S)	81	Linear Feet	Exploration
1170	803-O020	(S)	210	Linear Feet	Permanent Casing, 54" Diameter
1180	805-A001	(S)	260,950	Pounds	Reinforcement
1190	813-A002	(S)	1,497	Linear Feet	Concrete Railing, 32"
1200	815-A009	(S)	1,623	Ton	Loose Riprap, Size 300
1210	815-E001	(S)	1,728	Square Yard	Geotextile under Riprap
1220	907-803-K003	(S)	484	Linear Feet	Drilled Shaft, 54" Diameter
1230	907-803-M003	(S)	90	Linear Feet	Trial Shaft, 54" Diameter
1240	907-804-A001	(S)	1,220	Cubic Yard	Bridge Concrete, Class AA
1250	907-804-C012	(S)	809	Linear Feet	135' Prestressed Concrete Beam, Type BT-72
1260	907-804-C016	(S)	2,129	Linear Feet	40' Prestressed Concrete Beam, Type I+2
1270	907-804-C030	(S)	957	Linear Feet	80' Prestressed Concrete Beam, Type III
1280	907-804-C155	(S)	539	Linear Feet	90' Prestressed Concrete Beam, Type III

ADDENDUM

STATE	PROJECT NO.
MISS.	BR-0510-00(009)

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GUARD RAIL: THRIE BEAM (WOOD POSTS)	03-01-02	GR-1A	6181
GUARD RAIL: "W" BEAM (STEEL POSTS)	03-01-02	GR-1B	6182
GUARD RAIL: MODIFIED THRIE BEAM (STEEL POSTS)	03-01-02	GR-1C	6183
GUARD RAIL: TYPICAL INSTALLATION AT BRIDGE APPROACHES FOR 2-LANE, 2-WAY HIGHWAY	12-01-99	GR-4A	6195

WALDON

PS & E PLANS-DATE..12-12-2013		
FMS CON. # 103321/301000		
REVISIONS		
DATE	SHEET NO.	BY
1/17/14	4, 11, 13, 22,	
	24, 56	GTW
2/11/14	10, 11, 13, 17	

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILED INDEX

PROJECT NO. :BR-0510-00(009)
COUNTY : YAZOO

WORKING NUMBER DI-1

SHEET NUMBER 2

FILENAME: INDEX433.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

BY | REVISION | DATE

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

2/13/2014 8:33 AM INDEX433.DGN

ADDENDUM

STATE	PROJECT NO.
MISS.	BR-0510-00(009)

SUMMARY OF QUANTITIES (SHEET 1)

PAY ITEM NO.	PAY ITEM	UNIT	PRELIMINARY	FINAL	
201-A001	CLEARING AND GRUBBING	LS	100%		
201-B001	CLEARING AND GRUBBING	ACRE	1		(1)
202-B005	REMOVAL OF ASPHALT PAVEMENT, ALL DEPTHS	SY	13544		
202-B009	REMOVAL OF BRIDGE	EA	3		(2)
202-B019	REMOVAL OF CONCRETE HEADWALL	EA	1		(3)
202-B064	REMOVAL OF PIPE, 8" AND ABOVE	LF	148		
202-B076	REMOVAL OF TRAFFIC STRIPE	LF	1000		(5)
202-B088	REMOVAL OF BOX CULVERT HEADWALL, ALL SIZES	EA	1		(4)
202-B102	REMOVAL OF GUARD RAIL	LF	1275		(7)
203-EX017	BORROW EXCAVATION, AH, FME, CLASS B9	CY	102028		
203-G003	EXCESS EXCAVATION, FM, AH	CY	26780		
206-A001	STRUCTURE EXCAVATION	CY	578		1
206-B001	SELECT MATERIAL FOR UNDERCUTS, CONTRACTOR FURNISHED, FM	CY	250		
209-A004	GEOTEXTILE STABILIZATION, TYPE V, NON-WOVEN	SY	14184		
212-B001	STANDARD GROUND PREPARATION	SY	243		
213-B001	COMBINATION FERTILIZER, 13-13-13	TON	14		
213-C001	SUPERPHOSPHATE	TON	4		
907-216-A001	SOLID SODDING	SY	243		
217-A001	DITCH LINER	SY	500		(5)
219-A001	WATERING	KGAL	5		
220-A001	INSECT PEST CONTROL	ACRE	14		
221-A001	PORTLAND CEMENT CONCRETE PAVED DITCH	CY	31		(6)
223-A001	MOWING	ACRE	1		
907-225-A001	GRASSING	ACRE	7		
907-225-B001	AGRICULTURAL LIMESTONE	TON	21		
907-225-C001	MULCH, VEGETATIVE MULCH	TON	14		
907-226-A001	TEMPORARY GRASSING	ACRE	4		

(1) TO BE USED FOR TEMP. EASEMENT

(2) BR. NO. 15.7 - 3 @ 19' SPANS
BR. NO. 17.4 - 1 @ 19', 1 @ 40', 1 @ 19' SPANS
BR. NO. 19.1 - 4 @ 19', 1 @ 40', 1 @ 60', 1 @ 40', 4 @ 19' SPANS

(3) 1 - 48" PIPE HEADWALL

(4) 1 - 10' X 6' BOX CULVERT HEADWALL

(5) TO BE USED AS DIRECTED BY THE ENGINEER.

(6) FOR PAVED FLUMES AT BRIDGES

(7) INCLUDES POSTS, BLOCKOUTS, HARDWARE, BR. END SECTION AND TERMINAL SECTION.

1

DATE	REVISED QUANTITY	BY
2/11/14	REVISION	GTW

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES

PROJ. NO.: BR-0510-00(009)
COUNTY: YAZOO
FILENAME: SQS_SH.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

WORKING NUMBER SQ-1
SHEET NUMBER 10

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

2/13/2014 8:33 AM SQS_SH.DGN

ADDENDUM

STATE	PROJECT NO.
MISS.	BR-0510-00(009)

SUMMARY OF QUANTITIES (SHEET 2)

PAY ITEM NO.	PAY ITEM	UNIT	PRELIMINARY	FINAL	
234-A001	TEMPORARY SILT FENCE	LF	3070		
907-234-C002	SUPER SILT FENCE	LF	1265		
235-A001	TEMPORARY EROSION CHECKS	BALE	108		
236-A004	SILT BASIN, TYPE D	EA	15		
907-237-A003	WATTLES, 20"	LF	776		
907-245-A001	TRIANGULAR SILT DIKE	LF	540		
907-246-A002	SANDBAGS	EA	540		
907-247-A001	TEMPORARY STREAM DIVERSION	EA	1		2
907-304-B002	GRANULAR MATERIAL, CLASS 5, GROUP D	TON	12330		
907-304-F002	SIZE 610 CRUSHED STONE BASE	TON	3991		1
	OR				
907-304-F003	3/4" AND DOWN CRUSHED STONE BASE	TON	3991		
	OR				
907-304-F004	SIZE 825B CRUSHED STONE BASE	TON	3991		1
	ALTERNATE PAY ITEMS				
907-403-A011	HOT MIX ASPHALT, ST, 12.5-MM MIXTURE	TON	1759		
	OR				
907-403-M003	WARM MIX ASPHALT, ST, 12.5-MM MIXTURE	TON	1759		
907-403-A012	HOT MIX ASPHALT, ST, 19-MM MIXTURE	TON	2860		
	OR				
907-403-M004	WARM MIX ASPHALT, ST, 19-MM MIXTURE	TON	2860		
907-403-A015	HOT MIX ASPHALT, ST, 9.5-MM MIXTURE	TON	2240		
	OR				
907-403-M001	WARM MIX ASPHALT, ST, 9.5-MM MIXTURE	TON	2240		
907-403-C005	HOT MIX ASPHALT, ST, 19-MM MIXTURE, TRENCH WIDENING	TON	160		
	OR				
907-403-O001	WARM MIX ASPHALT, ST, 19-MM MIXTURE, TRENCH WIDENING	TON	160		
907-407-A001	ASPHALT FOR TACK COAT	GAL	1470		
408-A003	ASPHALT FOR PRIME COAT, CUT-BACK MC-70 OR EMULSIFIED EA-1	GAL	1984		
907-413-E001	SAWING AND SEALING TRANSVERSE JOINTS IN ASPHALT PAVEMENT	LF	172		
423-A001	RUMBLE STRIPS, GROUND IN	MI	3		
501-E001	EXPANSION JOINTS, WITHOUT DOWELS	LF	172		
501-K001	TRANSVERSE GROOVING	SY	334		
502-A001	REINFORCED CEMENT CONCRETE BRIDGE END PAVEMENT	SY	350		
907-601-A001	CLASS "B" STRUCTURAL CONCRETE	CY	115		
907-601-B003	CLASS "B" STRUCTURAL CONCRETE, MINOR STRUCTURES	CY	3		
602-A001	REINFORCING STEEL	LBS	25230		

DATE	REVISION	BY
2/11/14	ADDED PAY ITEM	GTW
1/17/14	REVISED PAY ITEMS	GTW

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITES

PROJ. NO.: BR-0510-00(009)
COUNTY: YAZOO
FILENAME: SQS_SH.DGN
DESIGN TEAM_____CHECKED_____DATE_____

WORKING NUMBER SQ-2
SHEET NUMBER 11

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

2/13/2014 8:33 AM SQS_SH.DGN

ADDENDUM

STATE	PROJECT NO.
MISS.	BR-0510-00(009)

SUMMARY OF QUANTITIES (SHEET 4)

PAY ITEM NO.	PAY ITEM	UNIT	PRELIMINARY	FINAL	
907-626-C008	6" THERMOPLASTIC EDGE STRIPE, CONTINUOUS WHITE	LF	12444		
907-626-D004	6" THERMOPLASTIC TRAFFIC STRIPE, SKIP YELLOW	LF	1200		
907-626-E003	6" THERMOPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW	LF	10972		
907-626-G004	THERMOPLASTIC DETAIL STRIPE, WHITE	LF	1034		
907-626-H004	THERMOPLASTIC LEGEND, WHITE	LF	207		
	ALTERNATE PAY ITEMS				
628-J002	6" HIGH PERFORMANCE COLD PLASTIC TRAFFIC STRIPE, CONTINUOUS WHITE	LF	1655		1
628-L002	6" HIGH PERFORMANCE COLD PLASTIC TRAFFIC STRIPE, SKIP YELLOW	LF	1665		1
628-M002	6" HIGH PERFORMANCE COLD PLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW	LF	1655		1
	OR				
907-626-J003	6" INVERTED PROFILE THERMOPLASTIC TRAFFIC STRIPE, CONTINUOUS WHITE	LF	1665		1
907-626-K003	6" INVERTED PROFILE THERMOPLASTIC TRAFFIC STRIPE, SKIP YELLOW	LF	1655		1
907-626-L001	6" INVERTED PROFILE THERMOPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW	LF	1665		1
627-J001	TWO-WAY CLEAR REFLECTIVE HIGH PERFORMANCE RAISED MARKERS	EA	130		2
627-L001	TWO-WAY YELLOW REFLECTIVE HIGH PERFORMANCE RAISED MARKERS	EA	139		1
630-A001	STANDARD ROADSIDE SIGNS, SHEET ALUMINUM, 0.080" THICKNESS	SF	13		
630-A002	STANDARD ROADSIDE SIGNS, SHEET ALUMINUM, 0.125" THICKNESS	SF	52		
630-C004	STEEL U-SECTION POSTS, 3.0 TO 3.5 LB/FT	LF	158		
630-F001	DELINEATORS, GUARD RAIL, WHITE	EA	44		
630-G001	TYPE 3 OBJECT MARKERS, OM-3R, POST MOUNTED	EA	4		
630-G003	TYPE 3 OBJECT MARKERS, OM-3L, POST MOUNTED	EA	4		
907-699-A002	ROADWAY CONSTRUCTION STAKES	LS	100%		1
907-804-B001	BOX BRIDGE CONCRETE, CLASS B	CY	521		2
805-A001	REINFORCEMENT	LBS	101104		2
815-A006	LOOSE RIPRAP, SIZE 100	TON	540		
815-A009	LOOSE RIPRAP, SIZE 300	TON	1862		3
815-E001	GEOTEXTILE UNDER RIPRAP	SY	382		
815-F002	SEDIMENT CONTROL STONE	TON	310		

(1) INCLUDES 26 TO BE USED FOR DETOUR AT BR. NO. 15.7

(2) TO BE USED AT LOCAL ROADS.

(3) INCLUDES 1862 TONS FOR TYPE "D" SILT BASINS.

NOTE: FOR BRIDGE SUMMARY OF QUANTITIES SEE SHEET NO. 8002.

DATE	REVISION	BY
2/11/14	REVISED QUANTITIES	GTW
1/17/14	REVISED PAY ITEMS	GTW

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES

PROJ. NO.: BR-0510-00(009)
COUNTY: YAZOO
FILENAME: SQS_SH.DGN
DESIGN TEAM _____ CHECKED _____ DATE _____

WORKING NUMBER SQ-4
SHEET NUMBER 13

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

2/13/2014 8:33 AM SQS_SH.DGN

ADDENDUM

STATE	PROJECT NO.
MISS.	BR-0510-00(009)

BOX CULVERTS REQUIRED

WORK. NO.	STATION	SIZE	LENGTH	STANDARD DRAWINGS REQUIRED	CLASS "B" CONCRETE	REINF. STEEL	STRUC. EXCAV. EST. DEPTH	STRUC. EXCAV. CUBIC YARDS	COVER	SELECT MAT'L.	REMARKS
5	285+26	10′ X 6′	100′	IBJL–1, ICJ–1,	114.60	25230	5′	313.66	13′	31.31	EXTEND LT. MOD. 15′ HIGH COVER
				IBS–6–2W, IWS–3							
				IBSM–3W							
UNIT					C.Y.	LB.		C.Y.		C.Y.	
TOTAL					114.60	25230		313.66		31.31	

BOX BRIDGES REQUIRED

WORK. NO.	STATION	SIZE	LENGTH ALONG ℄	STANDARD DRAWINGS REQUIRED	CLASS "B" CONCRETE	LENGTH	REINF. STEEL	STRUC. EXCAV. EST. DEPTH	STRUC. EXCAV. CUBIC YARDS	COVER	SELECT MAT'L.	REMARKS
3	115+66	18′ X 12′	20.53′	IBJL–1, ICJ–1,	521.00	141	101104	1	202.09	10′	93.64	15° LT. FWD. SKEW MOD. 10′ HIGH COVER
				IBS–12–2W, IWS–3								
				IBSM–3W, ISK–15–3W								
UNIT					C.Y.		LB.		C.Y.		C.Y.	
TOTAL					521.00		101104		202.09		93.64	

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BY	REVISION	DATE
GTW	REVISED QUANTITIES	2/11/14

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

BOX CULVERTS REQUIRED

PROJ. NO.: BR-0510-00(009)

COUNTY: YAZOO

FILENAME: EQ433.DGN

DESIGN TEAM _____ CHECKED _____ DATE _____

WORKING NUMBER EQ-4

SHEET NUMBER 17

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

2/13/2014 8:33 AM EQ433.DGN

ADDENDUM

STATE	PROJECT NO.
MISS.	BR-0510-00(009)

DESCRIPTION OF SHEETS SPECIAL DESIGN SHEETS ~ BRIDGE DRAWINGS	WORKING NUMBER	SHEET NUMBER
DETAILED INDEX (BRIDGE)	DI-BR	8001
SUMMARY OF QUANTITIES (BRIDGE)	SO-BR	8002
ESTIMATED QUANTITIES (BRIDGE)	EO-BR	8003
BRIDGE AT STA. 199+99.16		
S.R. 433 ACROSS INDIAN CREEK (GENERAL NOTES)	A1 OF 22	8004
S.R. 433 ACROSS INDIAN CREEK (LAYOUT)	A2 OF 22	8005
S.R. 433 ACROSS INDIAN CREEK (FOUNDATION)	A3 OF 22	8006
GENERALIZED SOIL PROFILE	A4 OF 22	8007
END BENT NOS. 1 & 6 DETAILS	A5 OF 22	8008
END BENT DETAILS	A6 OF 22	8009
INT. BENT NO. 2 DETAILS	A7 OF 22	8010
INT. BENT NO. 3 DETAILS	A8 OF 22	8011
INT. BENT NO. 4 DETAILS	A9 OF 22	8012
INT. BENT NO. 5 DETAILS	A10 OF 22	8013
40 FT. SPAN NOS. 1, 2, 4 & 5 DETAILS	A11 OF 22	8014
40 FT. SPAN NOS. 1, 2, 4 & 5 DETAILS	A12 OF 22	8015
40 FT. SPAN DETAILS	A13 OF 22	8016
90 FT. SPAN NO. 3 DETAILS	A14 OF 22	8017
90 FT. SPAN NO. 3 DETAILS	A15 OF 22	8018
90 FT. SPAN DETAILS	A16 OF 22	8019
MISCELLANEOUS SPAN DETAILS	A17 OF 22	8020
RAILING DETAILS	A18 OF 22	8021
40 FT. BEAM DETAILS - BEAM 40-1 (TYPE 1+2)	A19 OF 22	8022
90 FT. BEAM DETAILS - BEAMS 90-1 THRU 90-6 (TYPE III)	A20 OF 22	8023
PAD DETAILS	A21 OF 22	8024
PRESTRESSED CONCRETE PILE DETAILS	A22 OF 22	8025
BRIDGE AT STA. 287+52.08		
S.R. 433 ACROSS WALESHEBA CREEK (GENERAL NOTES)	B1 OF 37	8026
S.R. 433 ACROSS WALESHEBA CREEK (LAYOUT)	B2 OF 37	8027
S.R. 433 ACROSS WALESHEBA CREEK (FOUNDATION)	B3 OF 37	8028
GENERALIZED SOIL PROFILE	B4 OF 37	8029
END BENT NO. 1 DETAILS	B5 OF 37	8030
END BENT NO. 9 DETAILS	B6 OF 37	8031
END BENT DETAILS	B7 OF 37	8032
INT. BENTS NO. 2, 7 & 8 DETAILS	B8 OF 37	8033
INT. BENT NO. 3 DETAILS	B9 OF 37	8034
INT. BENT NO. 4 DETAILS	B10 OF 37	8035
INT. BENT NO. 4 DETAILS	B11 OF 37	8036
INT. BENT NO. 5 DETAILS	B12 OF 37	8037
INT. BENT NO. 5 DETAILS	B13 OF 37	8038
INT. BENT NOS. 4 & 5 DETAILS	B14 OF 37	8039
INT. BENT NO. 6 DETAILS	B15 OF 37	8040
40 FT. SPAN NOS. 1 & 2 DETAILS	B16 OF 37	8041
40 FT. SPAN NOS. 1 & 2 DETAILS	B17 OF 37	8042
40 FT. SPAN NOS. 6 & 7 DETAILS	B18 OF 37	8043
40 FT. SPAN NOS. 6 & 7 DETAILS	B19 OF 37	8044
40 FT. SPAN NO. 8 DETAILS	B20 OF 37	8045
40 FT. SPAN NO. 8 DETAILS	B21 OF 37	8046
40 FT. SPAN DETAILS	B22 OF 37	8047
80 FT. SPAN NOS. 3 & 5 DETAILS	B23 OF 37	8048
80 FT. SPAN NOS. 3 & 5 DETAILS	B24 OF 37	8049
80 FT. SPAN DETAILS	B25 OF 37	8050
135 FT. SPAN NO. 4 DETAILS	B26 OF 37	8051
135 FT. SPAN NO. 4 DETAILS	B27 OF 37	8052
135 FT. SPAN DETAILS	B28 OF 37	8053
MISCELLANEOUS SPAN DETAILS	B29 OF 37	8054
RAILING DETAILS	B30 OF 37	8055

DESCRIPTION OF SHEETS SPECIAL DESIGN SHEETS ~ BRIDGE DRAWINGS	WORKING NUMBER	SHEET NUMBER
BRIDGE AT STA. 287+52.08 (CONTINUED)		
40 FT. BEAM DETAILS - BEAM 40-1 (TYPE 1+2)	B31 OF 37	8056
40 FT. BEAM DETAILS - BEAM 40-2 (TYPE 1+2)	B32 OF 37	8057
80 FT. BEAM DETAILS - BEAMS 80-1 THRU 80-6 (TYPE III)	B33 OF 37	8058
135 FT. BEAM DETAILS - BEAMS 135-1 THRU 135-6 (TYPE BT-72)	B34 OF 37	8059
PAD DETAILS	B35 OF 37	8060
PRESTRESSED CONCRETE PILE DETAILS	B36 OF 37	8061
TRIAL SHAFT DETAILS	B37 OF 37	8062
EROSION CONTROL PLANS		
EROSION CONTROL PLAN	ECPA-BR1	8063
EROSION CONTROL PLAN	ECPA-BR2	8064
EROSION CONTROL PLAN	ECPB-BR1	8065
EROSION CONTROL PLAN	ECPB-BR2	8066

BRIDGE DIVISION		
REVISIONS		
DATE	SHEET NO.	BY
2/13/14	8002,8003,8004	SMS
	8026,8039	

LOYD L. PITTS SR.
REGISTERED
PROFESSIONAL
ENGINEER
13333
STATE OF MISSISSIPPI
DATE: 12/13/2012

BY
REVISIONS
DATE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
DETAILED INDEX
(BRIDGE)

PROJECT 103321/301000
BR-0510-00(009)

YAZOO COUNTY

WORKING NUMBER DI-BR

DESIGNED S.M.S DETAILED S.M.S TRACED CADD
CHECKED S.D.O. ISSUED N.J.A DATE 12/12

SHEET NUMBER 8001

ADDENDUM

STATE	PROJECT NO.
MISS.	BR-0510-00(009)

PAY ITEM NO.	PAY ITEM	UNIT	QUANTITIES	
	BRIDGE SUMMARY		PRELIMINARY	FINAL
501-K001	Transverse Grooving	S.Y.	2,656	
803-B002	Conventional Static Pile Load Test	Each	4	
803-C003	16" x 16" Prestressed Concrete Piling	L.F.	1,980	
803-C004	18" x 18" Prestressed Concrete Piling	L.F.	4,895	
△1 803-F012	23" Pre-Formed Pile Hole	L.F.	522 △1	
△1 803-F014	26" Pre-Formed Pile Hole	L.F.	1,903 △1	
803-I001	PDA Test Pile	Each	8	
803-J001	Pile Restrike	Each	4	
907-803-K003	Drilled Shaft, 54" Diameter	L.F.	484	
907-803-M003	Trial Shaft, 54" Diameter	L.F.	90	
803-N001	Exploration	L.F.	81	
803-0020	Permanent Casing, 54" Diameter	L.F.	210	
907-804-A001	Bridge Concrete, Class AA	C.Y.	1,220	
907-804-C012	135 Ft. Prestressed Concrete Beam, Type BT-72	L.F.	809	
907-804-C016	40 Ft. Prestressed Concrete Beam, Type 1+2	L.F.	2,129	
907-804-C030	80 Ft. Prestressed Concrete Beam, Type III	L.F.	957	
907-804-C155	90 Ft. Prestressed Concrete Beam, Type III	L.F.	539	
805-A001	Reinforcement	Lb.	260,950	
813-A002	Concrete Railing, 32"	L.F.	1,497	
815-A009	Loose Riprap, Size 300	Ton	1,623	
815-E001	Geotextile Under Riprap	S.Y.	1,728	

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LOYD L. PITTS JR. — REGISTERED — PROFESSIONAL ENGINEER — 13333 — STATE OF MISSISSIPPI

DATE: 12/13/2012

DATE	REVISIONS	BY
2/13/14	Revised Pay Item	SMS

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
(BRIDGE)

PROJECT 103321/301000
BR-0510-00(009)

YAZOO COUNTY

WORKING NUMBER SQ-BR

DESIGNED S.M.S. DETAILED S.M.S. TRACED CADD
CHECKED E.M.B. ISSUED N.J.A. DATE 12/12

SHEET NUMBER 8002

ADDENDUM

STATE	PROJECT NO.
MISS.	BR-0510-00(009)

BRIDGE	BEGINNING STATION	SPANS-SIZE	OVERALL LENGTH	ITEM	Transverse Grooving	Conventional Static Pile Load Test	16"X16" Prest. Conc. Piling	18"X18" Prest. Conc. Piling	△1 23" Pre-Formed Pile Hole	△1 26" Pre-Formed Pile Hole	PDA Test Pile	Pile Restrike	Drilled Shaft (54"ϕ)	Trial Shaft (54"ϕ)	Exploration	Permanent Casing (54"ϕ)	Class AA Bridge Concrete	135 Ft. Prest. Conc. Beam	40 Ft. Prest. Conc. Beam
					S.Y.	Each	L.F.	L.F.	L.F.	L.F.	Each	Each	L.F.	L.F.	L.F.	L.F.	C.Y.	L.F.	L.F.
"A"	199+99.16	(2@40')-90' -(2@40') Continuous for Live Load Only	251'-8¼"	Spans	889.00												275.34		947.00
				End Bents		1	1080.00		△1 216.00		2	1					42.44		
				Int. Bents		1		2495.00		△1 863.00	2	1					81.14		
				Total	889.00	2	1080.00	2495.00	△1 216.00	△1 863.00	4	2					398.92		947.00
"B"	287+52.08	(2@40') -80'-135'-80' -(3@40') Continuous for Live Load Only	496'-10"	Spans	1766.52												574.33	808.50	1182.00
				End Bents		1	900.00		△1 306.00		2	1					45.30		
				Int. Bents		1		2400.00		△1 1040.00	2	1	484.00	90.00	81.00	210.00	200.96		
				Total	1766.52	2	900.00	2400.00	△1 306.00	△1 1040.00	4	2	484.00	90.00	81.00	210.00	820.59	808.50	1182.00
				Totals	2,655.52	4	1,980.00	4,895.00	522.00 △1	1,903.00 △1	8	4	484.00	90.00	81.00	210.00	1,219.51	808.50	2,129.00

BRIDGE	BEGINNING STATION	SPANS-SIZE	OVERALL LENGTH	ITEM	80 Ft. Prest. Conc. Beam	90 Ft. Prest. Conc. Beam	Reinforce-ment	Concrete Railing 32"	Loose Riprap Size 300	Geotextile Under Riprap
					L.F.	L.F.	Lb.	L.F.	Ton	S.Y.
"A"	199+99.16	(2@40')-90' -(2@40') Continuous for Live Load Only	251'-8¼"	Spans		538.50	69129	503.38		
				End Bents			8804		297.00	412.40
				Int. Bents			10891			
				Total		538.50	88824	503.38	297.00	412.40
"B"	287+52.08	(2@40') -80'-135'-80' -(3@40') Continuous for Live Load Only	496'-10"	Spans	957.00		131532	993.67		
				End Bents			9273		204.80	132.00
				Int. Bents			31321		1121.40	1183.30
				Total	957.00		172126	993.67	1326.20	1315.30
				Totals	957.00	538.50	260,950	1,497.05	1,623.20	1,727.70

△1

BY	REVISIONS	DATE
SMS	Revised Pay Item	2/13/14

LOYD L. PITTS JR. REGISTERED PROFESSIONAL ENGINEER 13333 STATE OF MISSISSIPPI

DATE: 12/13/2012

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ESTIMATED QUANTITIES
(BRIDGE)

PROJECT 103321/301000
BR-0510-00(009)

YAZOO COUNTY

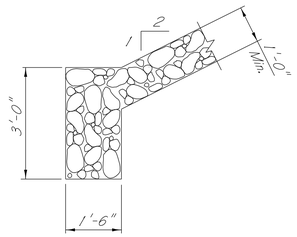
WORKING NUMBER EQ-BR

DESIGNED S.M.S. DETAILED S.M.S. TRACED CADD
CHECKED E.M.B. ISSUED N.J.A. DATE 12/12

SHEET NUMBER 8003

ADDENDUM

STATE	PROJECT NO.
MISS.	BR-0510-00(009)



RIPRAP TOE DETAILS

PDA TEST PILE SCHEDULE		
Bent No.	Minimum Length (Ft.)	Tip Elevation
1	75	117.2
2	80	112.1
4	85	107.0
6	75	117.2

REQUIRED ULT. PILE BEARING CAPACITY AND TIP ELEVATION SCHEDULE				
Bent No.	Required Ult. Bearing (Tons)	Concrete Piling	Estimated Length (Ft.)	Min. Tip Elevation
1	120	16"x16"	60	
2	190	18"x18"	70	122.0
3	155	18"x18"	75	117.0
4	155	18"x18"	75	117.0
5	190	18"x18"	70	122.0
6	120	16"x16"	60	

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 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 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 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.

DRAINAGE DATA:

Drainage Area..... 7.71 sq. mi.

Q^{25} (U.S.G.S.)..... 3000 c.f.s.

Effective Area..... 1435 sq. ft. Provided

DESIGN DATA:

Specifications..... A.A.S.H.T.O., LRFD 2010

Loading..... HL-93

Roadway Width..... 36'-0" Gutter To Gutter

Concrete..... Class "AA" (4,000 p.s.i.)

SEISMIC DESIGN DATA:

Seismic Performance Zone 1.
Site Class Defenition: Site Class D.
Importance Category: Other

SPECIAL PROVISIONS REQUIRED:

Concrete Bridge And Structures No. 907-804

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 One Half (1½) Times The Required Ultimate Pile Bearing Capacity.
All Piles Shall Be Prestressed Type Per Details On Sheet No. A22.
Prestressed Concrete Piling Shall Not Be Driven Until The Concrete Has Reached A Minimum Compressive Strength Of 5,000 PSI And Is At Least 7 Days Old.
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 LRFD Resistance Factor For PDA Of 0.65.
△1 23" ϕ Preformed Pile Holes May Be Required For Permanent Piles In End Bents 1 & 6 And Shall Be Drilled To An Elevation Of 137.0' Or As Directed By The Director Of Structures, State Bridge Engineer. Preformed Pile Holes Shall Not Be Required For Test Piles.
△1 26" ϕ Preformed Pile Holes May Be Required For Permanent Piles In Bents 2 & 5 And Shall Be Drilled To An Elevation Of 127.0' And For Bents 3 & 4 Shall Be Drilled To An Elevation Of 122.0' Or As Directed By The Director Of Structures, State Bridge Engineer. Preformed Pile Holes Shall Not Be Required For Test Piles.

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 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".
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.
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 Therefore Will Be Included In The Prices And Payments For Bid Items.
All Riprap And Geotextile Fabric Shown On Bridge Plans Are Included In Bridge Quantities.

ESTIMATED QUANTITIES

Item / Location	Transverse Grooving S.Y.	Conventional Static Pile Load Test Each	16"x16" Prestressed Concrete Piling L.F.	18"x18" Prestressed Concrete Piling L.F.	23" Pre-Formed Pile Hole △1 L.F.	26" Pre-Formed Pile Hole △1 L.F.	PDA Test Pile Each	Pile Restrike Each	Class "AA" Bridge Concrete C.Y.	40 Ft. Prest. Conc. Type 1+2 Beams L.F.	90 Ft. Prest. Conc. Type III Beams L.F.	Reinforcement Lb.	Concrete Railing, 32" L.F.	Loose Riprap (300#) Ton	Geotextile Under Riprap Sq. Yd.
Spans	889.00								275.34	947.00	538.50	69,129	503.38		
End Bents		1	1080.00		△1 216.00		2	1	42.44			8,804		297.00	412.40
Int. Bents		1		2495.00		△1 863.00	2	1	81.14			10,891			
Totals	889.00	2	1080.00	2495.00	△1 216.00	△1 863.00	4	2	398.92	947.00	538.50	88,824	503.38	297.00	412.40

LLOYD L. PITTS, JR. REGISTERED PROFESSIONAL ENGINEER 13333 STATE OF MISSISSIPPI

DATE: 12/13/2012

BY	DATE	REVISIONS
△ SMS	2/13/14	Revised Pay Item And Added Notes

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
BRIDGE AT STA. 199+99.16

S.R. 433 ACROSS INDIAN CREEK

PROJECT 103321/301000
BR-0510-00(009)

YAZOO COUNTY

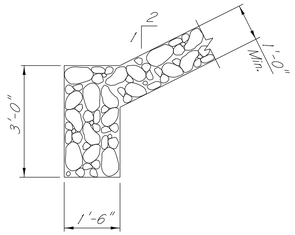
WORKING NUMBER A1 of 22

SHEET NUMBER 8004

DESIGNED S.M.S. DETAILED S.M.S. TRACED CADD
CHECKED S.D.O. ISSUED N.J.A. DATE 12/12

ADDENDUM

STATE	PROJECT NO.
MISS.	BR-0510-00(009)



RIPRAP TOE DETAILS

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 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 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 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.

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 One Half (1½) Times The Required Ultimate Pile Bearing Capacity.
All Piles Shall Be Prestressed Type Per Details On Sheet No. A22.
Prestressed Concrete Piling Shall Not Be Driven Until The Concrete Has Reached A Minimum Compressive Strength Of 5,000 PSI And Is At Least 7 Days Old.
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 LRFD Resistance Factor For PDA Of 0.65.
1 23"ø Preformed Pile Holes May Be Required For Permanent Piles In End Bents 1 & 9 And Shall Be Drilled To An Elevation Of 150.0' Or As Directed By The Director Of Structures, State Bridge Engineer. Preformed Pile Holes Shall Not Be Required For Test Piles.
1 26"ø Preformed Pile Holes May Be Required For Permanent Piles In Bents 2, 3 & 5 Thru 8 And Shall Be Drilled To An Elevation Of 141.0' Or As Directed By The Director Of Structures, State Bridge Engineer. Preformed Pile Holes Shall Not Be Required For Test Piles.

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.
The Trial Shaft Shall Be Constructed At Location Shown On Sheet No. B3.
For Computation Of Quantities, Top Of Trial Shaft Shall Be Elev. 190.0' (Approximate Ground). Bottom Of Trial Shaft Shall Be Elev. 100.0'.
Trial Shaft Reinforcing Steel Shall Be Identical To The Production Shaft Reinforcing Steel As Shown On Sheet No. B14.
Roller Type Centralizers Are Required For Construction Of All Drilled Shafts.
The Contractor Shall Obtain The Finish Ground Line Elevation At Each Production Shaft And Submit Them To The Director Of Structures, State Bridge Engineer.
The Construction Joint Between The Column And Shaft Shall Be Placed At This Elevation And The Reinforcing Steel Lengths Shall Be Modified Accordingly.
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.
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.
In The Event Temporary Casing Is Used As Permanent Casing, It Shall Be Paid For As Temporary Casing.
Exposed Steel Casing Shall Be Removed Or Painted As Follows:

1) Remove Exposed Casing To The Higher Of 1 Foot Below The Ground Line Elevation Or 6 Inches Above The Low Water Elevation.
2) Paint Exposed Casing Per Section 816 Of The Specifications With One Prime Coat Which Shall Be Grey In Color To The Higher Of 1 Foot Below The Ground Line Elevation Or 6 Inches Above The Low Water Elevation.

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 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".
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.
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 Therefore Will Be Included In The Prices And Payments For Bid Items.
All Riprap And Geotextile Fabric Shown On Bridge Plans Are Included In Bridge Quantities.

DRAINAGE DATA:

Drainage Area.....36.4 sq. mi.
0^{25} (U.S.G.S.).....9577 c.f.s.
Effective Area.....2927 sq. ft. Provided

DESIGN DATA:

Specifications.....A.A.S.H.T.O., LRFD 2010
Loading.....HL-93
Roadway Width.....36'-0" Gutter To Gutter
Concrete.....Class "AA" (4,000 p.s.i.)

SEISMIC DESIGN DATA:

Seismic Performance Zone 1.
Site Class Defenition: Site Class D.
Importance Category: Other

SPECIAL PROVISIONS REQUIRED:

Maturity Meters In Drilled Shafts No. 907-803.
Concrete Bridge And Structures No. 907-804

PDA TEST PILE SCHEDULE

Bent No.	Minimum Length (Ft.)	Tip Elevation
1	65	131.4
3	70	125.0
6	70	124.9
9	65	130.4

SHAFT ESTIMATED TIP ELEVATION SCHEDULE

Bent No.	Estimated Tip Elevation	Estimated Length (Ft.)
4 & 5	109.1580'	80'-8"

SHAFT DESIGN LOAD REQUIREMENTS

Bent No.	Axial Load (Kips)	Moment (Ft.-Kips)	LRFD Resistance For Axial Load	Required Ultimate Axial Load (Kips)
4 & 5	1050	1700	0.55	1910

REQUIRED ULT. PILE BEARING CAPACITY AND TIP ELEVATION SCHEDULE

Bent No.	Required Ult. Bearing (Tons)	Concrete Piling	Estimated Length (Ft.)	Min. Tip Elevation
1	125	16"x16"	50	
2	190	18"x18"	60	137.0
3	125	18"x18"	60	137.0
6	125	18"x18"	60	137.0
7	190	18"x18"	60	136.0
8	190	18"x18"	60	136.0
9	125	16"x16"	50	

ESTIMATED QUANTITIES

Item / Location	Transverse Grooving S.Y.	Conventional Static Pile Load Test Each	16"x16" Prestressed Concrete Piling L.F.	18"x18" Prestressed Concrete Piling L.F.	1 23" Pre-Formed Pile Hole L.F.	1 26" Pre-Formed Pile Hole L.F.	PDA Test Pile Each	Pile Restrike Each	Drilled Shaft (54" ø) L.F.	Trial Shaft (54" ø) L.F.	Exploration L.F.	Permanent Casing (54" ø) L.F.	Class "AA" Bridge Concrete C.Y.
Spans	1,766.52												574.33
End Bents		1	900.00		1 306.00		2	1					45.30
Int. Bents		1		2400.00		1 1040.00	2	1	484.00	90.00	81.00	210.00	200.96
Totals	1,766.52	2	900.00	2400.00	1 306.00	1 1040.00	4	2	484.00	90.00	81.00	210.00	820.59

Item / Location	135 Ft. Prest. Conc. Type BT-72 Beams L.F.	40 Ft. Prest. Conc. Type I+2 Beams L.F.	80 Ft. Prest. Conc. Type III Beams L.F.	Reinforcement Lb.	Concrete Railing, 32" L.F.	Loose Riprap (300#) Ton	Geotextile Under Riprap Sq. Yd.
Spans	808.50	1182.00	957.00	131,532	993.67		
End Bents				9,273		204.80	132.00
Int. Bents				31,321		1121.40	1183.30
Totals	808.50	1182.00	957.00	172,126	993.67	1326.20	1315.30

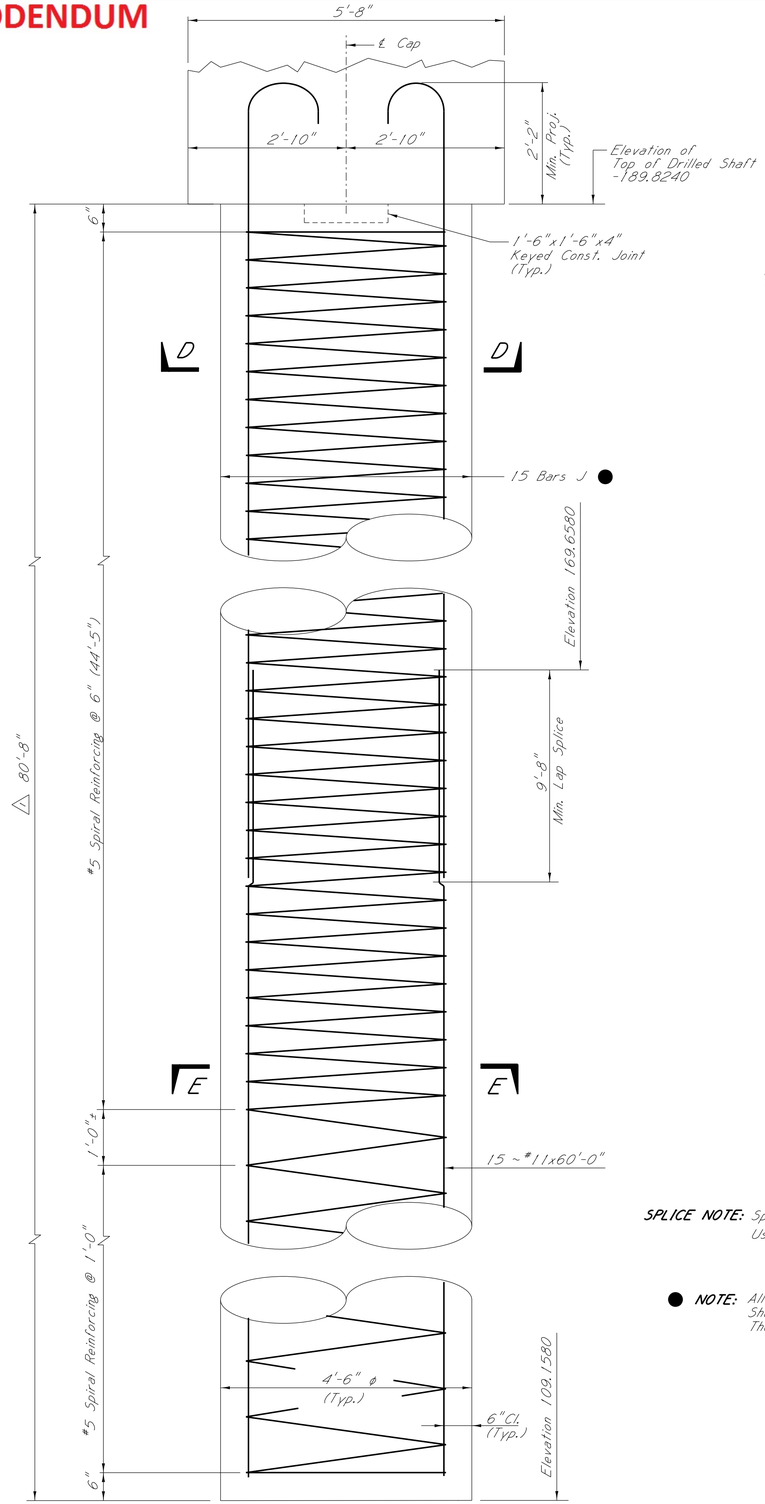
LLOYD L. PITTS JR. 13333 REGISTERED PROFESSIONAL ENGINEER STATE OF MISSISSIPPI
DATE: 12/13/2012

BY	REVISIONS	DATE
SMS	Revised Pay Item And Added Notes	2/13/14

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
BRIDGE AT STA. 287+52.08
S.R. 433 ACROSS WALESHEBA CREEK
PROJECT 103321/301000 BR-0510-00(009)
YAZOO COUNTY
WORKING NUMBER B1 of 37
DESIGNED S.M.S. DETAILED S.M.S. TRACED CADD
CHECKED S.D.O. ISSUED N.J.A. DATE 12/12
SHEET NUMBER 8026

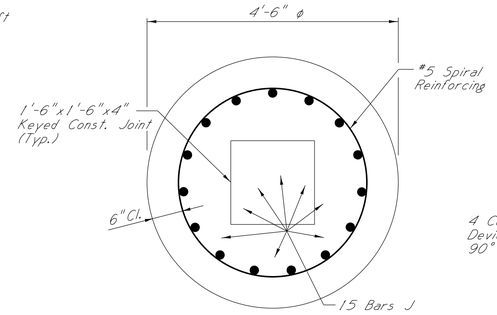
ADDENDUM

STATE	PROJECT NO.
MISS.	BR-0510-00(009)

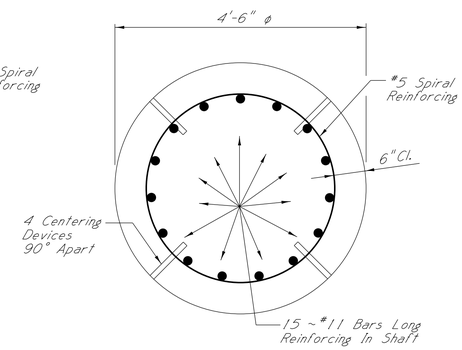


END ELEVATION

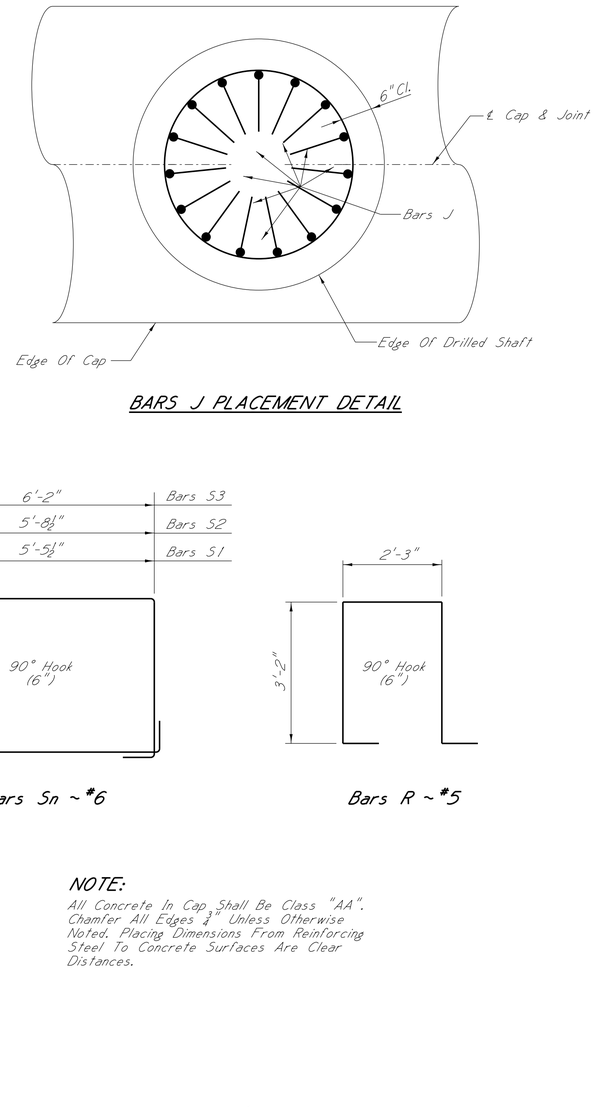
Drilled Shaft Reinforcing & Elevations



SECTION D-D



SECTION E-E



BARS J PLACEMENT DETAIL

Bars J ~ #11

Bars SS ~ #6

Bars Sn ~ #6

Bars R ~ #5

Bars D ~ #5

SPLICE NOTE: Spiral Reinforcement May Be Spliced Using A 3'-2" Lap Splice.

● **NOTE:** All Reinforcing Steel Projecting From Drilled Shafts Into The Cap Will Be Included In The Cost Of The Drilled Shaft.

NOTE:
All Concrete In Cap Shall Be Class "AA". Chamfer All Edges ¾" Unless Otherwise Noted. Placing Dimensions From Reinforcing Steel To Concrete Surfaces Are Clear Distances.

BAR BENDING DETAILS

Dimensions Are Out To Out

LLOYD L. PITTS JR. REGISTERED PROFESSIONAL ENGINEER 13333 STATE OF MISSISSIPPI

DATE: 12/13/2012

BY	DATE	REVISIONS
SMS	2/13/14	Corrected Drilled Shaft Length

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
BRIDGE AT STA. 287+52.08

INT. BENT NOS. 4 & 5 DETAILS

PROJECT 103321/301000
BR-0510-00(009)

YAZOO COUNTY

WORKING NUMBER B14 of 37

DESIGNED S.M.S. DETAILED S.M.S. TRACED CADD
CHECKED F.F.T. ISSUED N.J.A. DATE 12/12

SHEET NUMBER 8039