$S \ E \ C \ T \ I \ O \ N \quad 9 \ 0 \ 5 \ -- \ P \ R \ O \ P \ O \ S \ A \ L \quad (CONTINUED)$

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 <u>five percent (5%) of total bid</u> 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):

ADDE	ENDUM NO.	1	DATED	2/18/2	2014	ADDENDUM NO.	DATEI)	
ADDE	ENDUM NO		DATED			ADDENDUM NO.	DATEI)	
Number 1	Revise Table o No. 907-247-1 Revise or Add 17, 8001-8004 Download Req	Descri of Contents ; Revise B ed Plan Sl 4, 8026, 8 uired.	ption , replace same; id Items, replac heet Nos. 2, 10 039; Amendme	Add SP e same; -11, 13, int EBS	TOTA (Must Respe DATE	AL ADDENDA: agree with total addenda ctfully Submitted,	issued prior to o	pening of	bids)
						Co	ontractor		
					BY				
						S	ignature		
					TITLI	Ε			
					ADD	RESS			
					CITY	, STATE, ZIP			
					PHON	VE			
					FAX				
					E-MA	IL			
(To be f	illed in if a cor	poration)							
titles and	Our corporation d business addr	on is chart esses of th	ered under the he executives	e Laws of are as foll	the State ows:	e of		and	the names,
	Pre	esident				ŀ	Address		
	Sec	cretary				ŀ	Address		
	Tre	asurer				ŀ	Address		
The foll	owing is my (o	ur) itemiz	ed proposal.				1400004004	V	Countrality
Revised (09/21/2005					BK-0510-00(009)	/ 103321301	r azoo	County(Ies)

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

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COMBINATION BID PROPOSAL

CERTIFICATION OF PERFORMANCE - PRIOR FEDERAL-AID CONTRACTS 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

<u>907-247-.01--Description</u>. 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.

<u>907-247.02--Materials</u>. 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.

<u>907-247.03--Construction Requirements</u>. 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.

<u>907-247.04--Method of Measurement</u>. 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.

<u>907-247.05-Basic of Payment</u>. 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	Item Code	Adj	Quantity	Units	Description [Fixed Unit Price]
N0.		Code]	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 Changeo	206-A001 d 02/18/2014	(S)	578	Cubic Yard	Structure Excavation
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 Deleted	618-B001 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 Change	805-A001 d 02/18/2014	(S)	101,104	Pounds	Reinforcement	
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 Added (907-247-A001 02/18/2014		1	Each	Temporary Stream Diversion
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 Change	907-804-B001 d 02/18/2014	(S)	521	Cubic Yard	Box Bridge Concrete, Class B
				ALTERNAT	E GROUP AA NUMBER 1
0910	907-304-F002	(GT)	3,991	Ton	Size 610 Crushed Stone Base
				ALTERNAT	'E GROUP AA NUMBER 2
0920	907-304-F003	(GT)	3,991	Ton	3/4" and Down Crushed Stone Base
0030	007-304 E004	(CT)	2 001	ALTERNAT	E GRUUP AA NUMBER 3
0750	JUT-JU4-FUU4	(01)	3,991	ALTERNAT	TE 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
				ALTERNAT	E GROUP BB NUMBER 2
0950	907-403-M003	(BA1) 1,759	Ton	Warm Mix Asphalt, ST, 12.5-mm mixture
				ALTERNAT	E GROUP CC NUMBER 1
0960	907-403-A012	(BA1) 2,860	Ton	Hot Mix Asphalt, ST, 19-mm mixture
				ALTERNAT	E GROUP CC NUMBER 2
0970	907-403-M004	(BA1) 2,860	Ton	Warm Mix Asphalt, ST, 19-mm mixture
				ALTERNAT	E GROUP DD NUMBER 1
0980	907-403-A015	(BA1) 2,240	Ton	Hot Mix Asphalt, ST, 9.5-mm mixture
				ALTERNAT	YE GROUP DD NUMBER 2
0990	907-403-M001	(BA1) 2,240	Ton	Warm Mix Asphalt, ST, 9.5-mm mixture
				ALTERNAT	E GROUP EE NUMBER 1
1000	907-403-C005	(BA1) 160	Ton	Hot Mix Asphalt, ST, 19-mm mixture, Trench Widening
				ALTERNAT	TE GROUP EE NUMBER 2
1010	907-403-0001	(BA1) 160	Ton	Warm Mix Asphalt, ST, 19-mm mixture, Trench Widening
				ALTERNAT	TE 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
				ALTERNAT	TE 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 Deleted	803-F005 02/18/2014	(S)			
1130 Deleted	803-F007 02/18/2014	(S)			
1132 Added (803-F012 02/18/2014	(S)	522	Linear Feet	23" Pre-Formed Pile Hole
1134 Added (803-F014 02/18/2014	(S)	1,903	Linear Feet	26" Pre-Formed Pile Hole

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	803-0020	(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

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SUMMARY OF QUANTITIES SUMMARY OF QUANTITIES SUMMARY OF QUANTITIES SUMMARY OF QUANTITIES

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STANDARD ROADSIDE SIGN QUANTITES

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PAVEMENT	MARKING	DETAIL	- BR.	NO.17.4			
PAVEMENT	MARKING	DETAIL	- BR.	NO.17.4			

WKG. NO.

SH. NO.

		STATE	PROJECT NO.
		MISS.	BR-0510-00(009)
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SIGNING PLANS (3)			
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TERMANENT STONINO TEAN SITE 5		1 51 5	1005
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TAVEWENT WARKING DETAILS FOR 2 & 4 LANE DIVIDED ROADWATS			0120
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GUARD RAIL: THRIE BEAM (WOOD POSTS)	03-01-02	GR-1A	6181
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GUARD RAIL: TYPICAL INSTALLATION AT BRIDGE APPROACHES FOR 2-LANE, 2-WAY HIGHWAY	12-01-99	GR-4A	6195

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PS & E PLANS-DATE12-12-2013							
FMS CO	FMS CON. # 103321/301000						
REVISIONS							
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1/17/14	4, 11, 13, 22,						
	24,56	GTW					
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<u>EQ-2</u> F.O3	16
FQ-4	17
EQ-5	18
TCP-Q	19
 SRS-1	19.1
 SRS-2	19.2
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5-1	25
5A	26
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DCS-1	29
DCS-2	3Ø
 T C 1	71
10-1	51
TC-2	32
TC-3	32.1
T C - 4	32.2
 TC-5	32.3
ТОС	
 10-6	55
TC-7	33.1
PMD-1	34
PMD-2	35
PMD-3	36

PMD-4

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\prod		ВΥ	MISSISSIPPI DEPARTMENT OF TRAN	SPORTATION
		REVISION	DETAILED INDEX PROJECT NO.:BR-0510-00(009) COUNTY : YAZOO	WORKING NUMBER
Π			FILENAME: INDEX433.DGN	SHEET NUMBER
		ДD	DESIGN TEAMCHECKEDDATE	2

SUMMARY OF QUANTITIES (SHEET 1)			
PAY ITEM	UNIT	PRELIMINARY	FIN
	LS	100%	
	ACRE	1	
S	SY	13544	
		3	
	FΔ	1	
		· · ·	
	LF	148	
	LF	1000	
17FS	EA EA	1	
		1275	
	CY	102028	
	СҮ	26780	
	СҮ	578	
TOR FURNISHED, FM	CY	250	
EN	SY	14184	
		0.40	
	SY	243	
		14	
		17	
	TON	4	
	SY	243	
	CV	500	
	51	500	
	KGAI	5	
	ACRE	14	
	CY	31	
	ACRE	1	
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		7	
		21	
	TON	14	
	ACRE	4	
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	SUMMARY OF QUANTITIES (SHEET 1)			
PAY ITEM NO.	PAY ITEM	UNIT	PRELIMINARY	FIN
201-A001	CLEARING AND GRUBBING	LS	100%	
201-B001	CLEARING AND GRUBBING	ACRE	1	
202-B005	REMOVAL OF ASPHALT PAVEMENT, ALL DEPTHS	SY	13544	
202-B009	REMOVAL OF BRIDGE	EA	3	
202-B019	REMOVAL OF CONCRETE HEADWALL	EA	1	
202-B064	REMOVAL OF PIPE, 8" AND ABOVE	LF	148	
202-B076	REMOVAL OF TRAFFIC STRIPE	LF	1000	
202-B088	REMOVAL OF BOX CULVERT HEADWALL, ALL SIZES	FA	1	
202-B102	REMOVAL OF GUARD RAIL	LF	1275	
203-EX017	BORROW EXCAVATION, AH, FME, CLASS B9	СҮ	102028	
203-G003	EXCESS EXCAVATION, FM, AH	СҮ	26780	
206-A001	STRUCTURE EXCAVATION	СҮ	578	
206-B001	SELECT MATERIAL FOR UNDERCUTS, CONTRACTOR FURNISHED, FM	СҮ	250	
209-A004	GEOTEXTILE STABILIZATION, TYPE V, NON-WOVEN	SY	14184	
212-B001	STANDARD GROUND PREPARATION	SY	243	
213-B001	COM BINATION FERTILIZER, 13-13-13	TON	14	
213-C001	SUPERPHOSPHATE	TON	4	
907-216-A001	SOLID SODDING	SY	243	
217-A001	DITCH LINER	SY	500	
219-A001	WATERING	KGAL	5	
220-A001	INSECT PEST CONTROL	ACRE	14	
221-A001	PORILAND CEMENT CONCRETE PAVED DITCH	CY	31	
223-A001	MOWING	ACRE	1	
907-225-A001	GRASSING	ACRE	7	
907-225-B001	AGRICULTURAL LIMESTONE	TON	21	
		TON	44	
907-225-C001	MULCH, VEGETATIVE MULCH	ION	14	

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AL		1) TO BE USED FO	OR TEMP. EASEN	IENT
	(2) BR. NO. 15.7 - 3 @	0 19' SPANS	
	(1)	BR. NO. 17.4 - 1 @	0 19'. 1 @ 40'. [•]	1 @ 19'
		SP	PANS	
		BR. NO. 19.1 - 4 @	0 19'.1 @ 40'. ⁻	1 @ 60'.
	(2)	1 @	0 40', 4 @ 19'S	SPANS /
	3			
	(3) 1 - 48" PIPE HEA	DWALL	
	/			
	(4) 1 - 10'X 6'BOX (CULVERT HEADV	VALL
		5) TO BE USED AS	DIRECTED BY	THE
	(5)	ENGINEER.		
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		■ ■ PROJ, NO.: BR-Ø51	10-00(009)	WORKING NUMBER
		COUNTY: YAZOO		SQ-1
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SUMMARY

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PAY ITEM NO.	PAY ITE
234-A001	TEM PORARY SILT FENCE
907-234-C002	SUPER SILT FENCE
235-A001	TEM PORARY EROSION CHECKS
236-0004	SILT BASIN TYPED
200 / 100 1	
907-237-A003	WATTLES, 20"
907-245-A001	TRIANGULAR SILT DIKE
907-246-A002	SANDBAGS
907-247-A001	TEMPORARY STREAM DIVERSION
907-304-B002	GRANNAREMAJERIALASS 5, GROUP D
907-304-F002	SIZE 610 CRUSHED STONE BASE
	OR
907-304-F003	3/4" AND DOWN CRUSHED STONE BASE
	OR
907-304-F004	SIZE 825B CRUSHED STONE BASE
	ALTERNATE PAY ITEMS
907-403-A011	HOT MIX ASPHALT, ST, 12.5-MM MIXTURE
	OR
907-403-M003	WARM MIX ASPHALT, ST, 12.5-MM MIXTURE
907-403-A012	HOT MIX ASPHALT, ST, 19-MM MIXTURE
	OR
907-403-M004	WARM MIX ASPHALI, SI, 19-MM MIXIURE
907-403-A015	HOT MIX ASPHALT, ST, 9.5-MM MIXTURE
007 402 M001	
907-403-10001	
907-403-C005	HOT MIX ASPHALT, ST. 19-MM MIXTURE, TRENCH WIDENING
	OR
907-403-0001	WARM MIX ASPHALT, ST, 19-MM MIXTURE, TRENCH WIDENING
907-407-A001	ASPHALT FOR TACK COAT
408-A003	ASPHALT FOR PRIME COAT, CUT-BACK MC-70 OR EMULSIFIED EA-1
907-413-E001	SAWING AND SEALING TRANSVERSE JOINTS IN ASPHALT PAVEMENT
423-A001	RUM BLE STRIPS, GROUND IN
501-E001	EXPANSION JOINTS, WITHOUT DOWELS
501-K001	TRANSVERSE GROOVING
502-A001	REINFORCED CEMENT CONCRETE BRIDGE END PAVEMENT
907-601-A001	CLASS "B" STRUCTURAL CONCRETE
907-601-B003	CLASS "B" STRUCTURAL CONCRETE, MINOR STRUCTURES
602-A001	REINFORCING STEEL

_____ OF QUANTITIES (SHEET 2) PRELIMINARY UNIT FINAL LF 3070 LF 1265 BALE 108 15 EA LF 776 LF 540 540 EA EA 1 TON 12330 3991 TON TON 3991 TON 3991 TON 1759 TON 1759 TON 2860 TON 2860 TON 2240 TON 2240 TON 160 TON 160 GAL 1470 GAL 1984 LF 172 MI 3 LF 172 SY 334 SY 350 CY 115 CY 3 LBS 25230

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_			/11/14	/17/14 ATE	FILENAME: <u>SQS_SH.DGN</u>		SHEET NUMBER 11
			2,		DESIGN TEAMCHECKEDD	aie	

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OW LF 1200 NIS YELLOW LF 10972 NIS YELLOW LF 10972 LF 1034 LF STRIPE, CONTINUOUS WHITE LF 1055 STRIPE, SOP YELLOW LF 1655 STRIPE, CONTINUOUS WHITE LF 1665 STRIPE, CONTINUOUS WHITE LF 130 NCE RAISED MARKERS EA 130 0.125" THCK MESS SF	WHITE		12444	
JUS YELLOWIII <td>.OW</td> <td>LF</td> <td>1200</td> <td></td>	.OW	LF	1200	
LF 10372 LF 1034 LF 1034 LF 1034 LF 1034 STRPE.CONTINUOUS WHITE LF STRPE.SARP YELLOW LF STRPE.CONTINUOUS WHITE LF STRPE.CONTINUOUS STELLOW LF D.080* THICKNESS FA 0.125* THICKN			10072	
LF 1034 LF 1034 LF 207 STRIPE, CONTINUOUS WHTE LF STRIPE, CONTINUOUS VELLOW LF STRIPE, CONTINUOUS WHTE 1655 STRIPE, CONTINUOUS WHTE 1655 STRIPE, CONTINUOUS WHTE 1F STRIPE, CONTINUOUS WHTE 15			10972	
LF 207 STRPE CONTINUOUS WHITE LF 1685 STRPE, CONTINUOUS YELLOW LF 1685 STRPE, SCONTINUOUS YELLOW LF 1685 STRPE, CONTINUOUS YELLOW LF 1685 STRPE, SCONTINUOUS YELLOW LF 1685 STRPE, SCONTINUOUS YELLOW LF 1685 STRPE, SCONTINUOUS YELLOW SF 13 0.020* THICKNESS SF 13 0.125* THICKNESS		LF	1034	
Li Li Li Li STRIPE, CONTINUOUS WHITE LF 1655 STRIPE, SKIP YELLOW LF 1665 STRIPE, CONTINUOUS YELLOW LF 1665 STRIPE, CONTINUOUS WHITE LF 1665 STRIPE, CONTINUOUS WELLOW LF 1665 STRIPE, CONTINUOUS WELLOW LF 1665 STRIPE, CONTINUOUS YELLOW LF 1665 STRIPE, CONTINUOUS YELOW LF 160 OUGO'THICKNESS SF 130			207	
STRIPE CONTINUOUS WHITE LF 1655 STRIPE, SKIP YELLOW LF 1665 1 STRIPE, CONTINUOUS YELLOW LF 1665 1 NCE RAISED MARKERS EA 130 1 NCE RAISED MARKERS EA 139 1 0.020" THICKNESS SF 13 1 0.125" THICKNESS SF 52 1 0.125" THICKNESS SF 52 1 CP EA 4 1 ED EA			207	
STRUE, CONTINUOUS WHITE LF 1665 STRUE, SKIP YELLOW LF 1665 STRUE, SKIP YELOW SF 130 OB00'THICKNESS SF 130 OL200'THICKNESS SF 13 OL200'THICKNESS SF 131 D EA				
SINPE CONTINUOUS YELLOW LF 1669 STRIPE CONTINUOUS YELLOW LF 1665 STRIPE CONTINUOUS YELLOW LF 1666 STRIPE CONTINUOUS YELLOW LF 1665 STRIPE CONTINUOUS YELLOW LF 1665 STRIPE CONTINUOUS YELLOW LF 168 NCE RAISED MARKERS EA 130 ARCERAISED MARKERS EA 130 0.080° THECHNESS SF 13 0.125° THECHNESS SF 52 0.125° THECHNESS SF 52 1020 EA 44 TED EA 44 TED EA 4	STRIPE, CONTINUOUS WHITE		1655	
CITURE CONTINUOUS WHITE I.F 1000 STRIPE, CONTINUOUS WHITE I.F 1665 STRIPE, CONTINUOUS YELLOW I.F 1665 VICE RAISED MARKERS EA 130 NCE RAISED MARKERS EA 130 NCE RAISED MARKERS EA 130 0.080° THICKNESS SF 13 0.080° THICKNESS SF 13 0.125° THICKNESS SF 13 0.126° THICKNESS SF 13 0.126° THICKNESS SF 13 0.126° THICKNESS SF 13 126 CY 52 126 EA 44 ED EA 4 120 EA 4 121 LBS 1010% 122 TON 540 1330 TON 1362 141 <td>STRIPE, SNIP TELLOW</td> <td></td> <td>1655</td> <td></td>	STRIPE, SNIP TELLOW		1655	
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STRPE_CONTINUOUS YELLOW LF 1085 STRPE_CONTINUOUS YELLOW LF 1685 Image: Stream of the stream of	STRIPE, CONTINUOUS WHITE		1655	
NCE RAISED MARKERS EA 130 ANCE RAISED MARKERS EA 130 0.080" THICKNESS SF 13 0.080" THICKNESS SF 51 0.125" THICKNESS SF 52 EA 44 14 TED EA 44 TED EA 4 LS 100% 100 CY 521 100% CY 521 100% TED EA 4 EA 100 100 SY 382 10104 TON 310 100 SY 382 10 SY 382 10 SY 382 10 SY<	STRIPE, CONTINUOUS YELLOW	LF	1665	
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NOTIONED MARKED DA 100 0.080" THICKNESS SF 13 0.125" THICKNESS SF 52 LF 158 LF LF 158 EA LF 158 EA ED EA 4 TED EA 4 TED EA 4 CY 521 100% LBS 101104 100% TON 540 101104 SY 382 100% TON 310 100% SY 382 100% L L 100% SY 382 100% L L 10% L L 10% </td <td>NCE RAISED MARKERS ANCE RAISED MARKERS</td> <td>EΑ ΕΔ</td> <td>130</td> <td></td>	NCE RAISED MARKERS ANCE RAISED MARKERS	EΑ ΕΔ	130	
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0.125" THICKNESS SF 52 LF 158 EA 44 TED EA 4 TED EA 4 TED EA 4 LS 100% 100% CY 521 100% LBS 101104 100% TON 540 100% TON 1862 100% SY 382 100% TON 310 100% SY 382 100%	0.080" THICKNESS	SF	13	
LF 158 EA 44 TED EA 4 TED EA 4 LS 100% 100% CY 521 100% LBS 101104 100% TON 540 100% TON 382 100% TON 310 100% Image: SY 382 100% Image: SY 382 100% Image: SY 310 100% Image: SY 310 100% Image: SY 310% 100% Image: SY 310% 100% Image: SY <td< td=""><td>0.125" THICKNESS</td><td>SF</td><td>52</td><td></td></td<>	0.125" THICKNESS	SF	52	
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TED EA 4 TED EA 4 LS 100% - CY 521 - LBS 101104 - TON 540 - TON 540 - TON 1862 - SY 382 - TON 310 - SY 382 - TON 310 - SY 382 - SY - - - SY - - - SY		EA	44	
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PAY ITEM NO. PAY ITEM UNIT PREL 907-626-0006 6" THERMOPLASTIC EDGE STRPE, CONTINUOUS WHITE I.F I.F 907-626-0004 6" THERMOPLASTIC TRAFIC STRPE, SKIP YELLOW I.F I.F 907-626-0003 6" THERMOPLASTIC TRAFIC STRPE, CONTINUOUS YELLOW I.F I.F 907-626-0004 6" THERMOPLASTIC DETAIL STRIPE, WHITE I.F I.F 907-626-0004 THERMOPLASTIC DETAIL STRIPE, WHITE I.F I.F 907-626-0004 THERMOPLASTIC DETAIL STRIPE, WHITE I.F I.F 907-626-0004 THERMOPLASTIC DEGRID, WHITE I.F I.F 907-626-0004 THERMOPLASTIC DEGRID, WHITE I.F I.F 628-1002 6" HIGH PERFORMANCE COLD PLASTIC TRAFFIC STRIPE, CONTINUOUS WHITE I.F I.F 628-1002 6" HIGH PERFORMANCE COLD PLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW I.F I.F 907-628-1003 6" INVERTED PROPILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW I.F I.F 907-628-1001 6" INVERTED PROPILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW I.F I.F 907-628-1001 6" INVERTED P	MINARY	FIN
907-626-C008 6" THERM OPLASTIC EDGE STRIPE, CONTINUOUS WHITE LF 907-626-D004 6" THERM OPLASTIC TRAFFIC STRIPE, SKIP YELLOW LF 907-626-E003 6" THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-E004 THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-E003 6" THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-E004 THERM OPLASTIC LEGEND, WHITE LF 907-626-M004 THERM OPLASTIC CLOPAL STIC TRAFFIC STRIPE, CONTINUOUS WHITE LF 907-626-M004 THERMOPLASTIC CLOPALSTIC TRAFFIC STRIPE, CONTINUOUS WHITE LF 628-J002 6" HIGH PERFORM ANCE COLD PLASTIC TRAFFIC STRIPE, CONTINUOUS WHITE LF 628-J002 6" HIGH PERFORM ANCE COLD PLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 628-J002 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS WHITE LF 907-626-J003 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, SKIP YELLOW LF 907-626-J003 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, SKIP YELLOW LF 907-626-J003 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS WHITE LF 907-626-J003 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS WHITE LF 907-626-J003 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS WHITE LF		
907-626-D004 6" THERMOPLASTIC TRAFFIC STRIPE, SKIP YELLOW LF 907-626-E003 6" THERMOPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-6004 THERMOPLASTIC DETAIL STRIPE, WHITE LF 907-626-6004 THERMOPLASTIC DETAIL STRIPE, WHITE LF 907-626-6004 THERMOPLASTIC LEGEND, WHITE LF 907-626-0004 THERMOPLASTIC LEGEND, WHITE LF 907-626-0004 THERMOPLASTIC LEGEND, WHITE LF 907-626-0004 0" HIGH PERFORMANCE COLD PLASTIC TRAFFIC STRIPE, CONTINUOUS WHITE LF 628-1002 6" HIGH PERFORMANCE COLD PLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 628-1002 6" HIGH PERFORMANCE COLD PLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-1003 6" INVERTED PROFILE THERMOPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-1001 6" INVERTED PROFILE THERMOPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-1003 6" INVERTED PROFILE THERMOPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-1001 6" INVERTED PROFILE THERMOPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-1001 6" INVERTED PROFILE THERMOPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-1001 6" INVERTED PROFILE THERMOPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-1001 6" INVERTED PROFILE THERMOPLASTIC	12444	
907-626-E003 6" THERMOPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-6004 THERMOPLASTIC DETAIL STRIPE, WHITE LF 907-626-6004 THERMOPLASTIC LEGEND, WHITE LF 907-626-0004 THERMOPLASTIC LEGEND, WHITE LF ALTERNATE PAY ITEMS LF 628-1002 6" HIGH PERFORMANCE COLD PLASTIC TRAFFIC STRIPE, CONTINUOUS WHITE LF 628-1002 6" HIGH PERFORMANCE COLD PLASTIC TRAFFIC STRIPE, SMP YELLOW LF 628-1002 6" HIGH PERFORMANCE COLD PLASTIC TRAFFIC STRIPE, SMP YELLOW LF 628-1002 6" HIGH PERFORMANCE COLD PLASTIC TRAFFIC STRIPE, SMP YELLOW LF 907-626-J003 6" INVERTED PROFILE THERMOPLASTIC TRAFFIC STRIPE, SMP YELLOW LF 907-626-J003 6" INVERTED PROFILE THERMOPLASTIC TRAFFIC STRIPE, SMP YELLOW LF 907-626-J003 6" INVERTED PROFILE THERMOPLASTIC TRAFFIC STRIPE, SMP YELLOW LF 907-626-J001 6" INVERTED PROFILE THERMOPLASTIC TRAFFIC STRIPE, CONTINUOUS WHITE LF 907-626-J001 6" INVERTED PROFILE THERMOPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-J001 6" INVERTED PROFILE THERMOPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-J001 6" INVERTED PROFILE THERMOPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-J001 6" INVERTED PROFILE THERMOPLASTIC TRAFFIC STRIPE, CONTINUOUS YE	1200	
907-626-6004 THERMOPLASTIC DETAIL STRIPE, WHITE LF 907-626-H004 THERMOPLASTIC LEGEND, WHITE LF 907-626-H004 THERMOPLASTIC LEGEND, WHITE LF ALTERNATE PAY ITEMS LF 628-J002 6" HIGH PERFORMANCE COLD PLASTIC TRAFFIC STRIPE, CONTINUOUS WHITE LF 628-M002 6" HIGH PERFORMANCE COLD PLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 628-M002 6" HIGH PERFORMANCE COLD PLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-J003 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS WHITE LF 907-626-J003 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS WHITE LF 907-626-J003 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS WHITE LF 907-626-J003 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS WELLOW LF 907-626-L001 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS VELLOW LF 907-626-L001 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS VELLOW LF 907-626-L001 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS VELLOW LF 907-626-L001 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS VELLOW LF 907-626-L001 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS VELLOW LF 907-626-L001	10972	
907-626-H004 THERMOPLASTIC LEGEND, WHITE LF ALTERNATE PAY ITEMS LF 628-J002 6" HIGH PERFORMANCE COLD PLASTIC TRAFFIC STRIPE, CONTINUOUS WHITE LF 628-J002 6" HIGH PERFORMANCE COLD PLASTIC TRAFFIC STRIPE, SKIP YELLOW LF 628-M002 6" HIGH PERFORMANCE COLD PLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 628-M002 6" HIGH PERFORMANCE COLD PLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-M003 6" INVERTED PROFILE THERMOPLASTIC TRAFFIC STRIPE, CONTINUOUS WHITE LF 907-626-M003 6" INVERTED PROFILE THERMOPLASTIC TRAFFIC STRIPE, SKIP YELLOW LF 907-626-M003 6" INVERTED PROFILE THERMOPLASTIC TRAFFIC STRIPE, CONTINUOUS WHITE LF 907-626-M003 6" INVERTED PROFILE THERMOPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-M003 6" INVERTED PROFILE THERMOPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-M003 6" INVERTED PROFILE THERMOPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-M003 6" INVERTED PROFILE THERMOPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-M003 6" INVERTED PROFILE THERMOPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-M003 6" INVERTED PROFILE THERMOPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-M003 6" INVERTED PROFILE THERMOPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW L	1034	
ALTERNATE PAY ITEMS Image: continuous white	207	
628-J002 6" HIGH PERFORMANCE COLD PLASTIC TRAFFIC STRIPE, CONTINUOUS WHITE LF 628-L002 6" HIGH PERFORMANCE COLD PLASTIC TRAFFIC STRIPE, SMP YELLOW LF 628-M002 6" HIGH PERFORMANCE COLD PLASTIC TRAFFIC STRIPE, SMP YELLOW LF 628-M002 6" HIGH PERFORMANCE COLD PLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-J003 6" INVERTED PROFILE THERMOPLASTIC TRAFFIC STRIPE, CONTINUOUS WHITE LF 907-626-J003 6" INVERTED PROFILE THERMOPLASTIC TRAFFIC STRIPE, SKIP YELLOW LF 907-626-L001 6" INVERTED PROFILE THERMOPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-L001 6" INVERTED PROFILE THERMOPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-L001 6" INVERTED PROFILE THERMOPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-L001 6" INVERTED PROFILE THERMOPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-L001 6" INVERTED PROFILE THERMOPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-L001 6" INVERTED PROFILE THERMOPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-L001 TWO-WAY CLEAR REFLECTIVE HIGH PERFORMANCE RAISED MARKERS EA 627-J001 TWO-WAY YELLOW REFLECTIVE HIGH PERFORMANCE RAISED MARKERS EA 627-L001 </td <td></td> <td></td>		
628-L002 6" HIGH PERFORMANCE COLD PLASTIC TRAFFIC STRIPE, SKIP YELLOW LF 628-M002 6" HIGH PERFORMANCE COLD PLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF OR 0 907-626-J003 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS WHITE LF 907-626-K003 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, SKIP YELLOW LF 907-626-L001 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-L001 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-L001 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-L001 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-L001 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-L001 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-L001 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-L001 TWO-WAY CLEAR REFLECTIVE HIGH PERFORMANCE RAISED MARKERS EA 627-J001 TWO-WAY YELLOW REFLECTIVE HIGH PERFORMANCE RAISED MARKERS EA 630-A001 STANDARD ROADSIDE SIGNS, SHEET ALUMINUM, 0.080" THIC	1655	
628-M002 6" HIGH PERFORMANCE COLD PLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF OR 0R 907-626-J003 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS WHITE LF 907-626-K003 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, SKIP YELLOW LF 907-626-L001 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, SKIP YELLOW LF 907-626-L001 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-L001 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-L001 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-L001 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-L001 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-L001 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-L001 TWO-WAY CLEAR REFLECTIVE HIGH PERFORMANCE RAISED MARKERS EA 627-J001 TWO-WAY YELLOW REFLECTIVE HIGH PERFORMANCE RAISED MARKERS EA 630-A001 STANDARD ROADSIDE SIGNS, SHEET ALUM INUM, 0.080" THICKNESS SF 630-A002 STANDARD ROADSIDE SIGNS, SHEET ALUMINUM, 0.125" THICKNESS </td <td>1665</td> <td></td>	1665	
OR Image: Constraint of the state of the	1655	
907-626-J003 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS WHITE LF 907-626-K003 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, SKIP YELLOW LF 907-626-L001 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-L001 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-L001 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-L001 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-L001 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-L001 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-L001 FORMANCE RAISED MARKERS EA 627-J001 TWO-WAY CLEAR REFLECTIVE HIGH PERFORMANCE RAISED MARKERS EA 627-L001 TWO-WAY YELLOW REFLECTIVE HIGH PERFORMANCE RAISED MARKERS EA 630-A001 STANDARD ROADSIDE SIGNS, SHEET ALUMINUM, 0.080" THICKNESS SF 630-A002 STANDARD ROADSIDE SIGNS, SHEET ALUMINUM, 0.125" THICKNESS SF		
907-626-K003 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, SKIP YELLOW LF 907-626-L001 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF 907-626-L001 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF Image: Continuous of the c	1665	
907-626-L001 6" INVERTED PROFILE THERM OPLASTIC TRAFFIC STRIPE, CONTINUOUS YELLOW LF Image: Strippe of the	1655	
627-J001 TWO-WAY CLEAR REFLECTIVE HIGH PERFORMANCE RAISED MARKERS Image: Constraint of the cons	1665	
627-J001 TWO-WAY CLEAR REFLECTIVE HIGH PERFORMANCE RAISED MARKERS EA 627-L001 TWO-WAY YELLOW REFLECTIVE HIGH PERFORMANCE RAISED MARKERS EA 627-L001 TWO-WAY YELLOW REFLECTIVE HIGH PERFORMANCE RAISED MARKERS EA 630-A001 STANDARD ROADSIDE SIGNS, SHEET ALUMINUM, 0.080" THICKNESS SF 630-A002 STANDARD ROADSIDE SIGNS, SHEET ALUMINUM, 0.125" THICKNESS SF		
627-J001 TWO-WAY CLEAR REFLECTIVE HIGH PERFORMANCE RAISED MARKERS EA 627-L001 TWO-WAY YELLOW REFLECTIVE HIGH PERFORMANCE RAISED MARKERS EA 630-A001 STANDARD ROADSIDE SIGNS, SHEET ALUMINUM, 0.080" THICKNESS SF 630-A002 STANDARD ROADSIDE SIGNS, SHEET ALUMINUM, 0.125" THICKNESS SF		
627-L001 TWO-WAY YELLOW REFLECTIVE HIGH PERFORMANCE RAISED MARKERS EA 630-A001 STANDARD ROADSIDE SIGNS, SHEET ALUM INUM, 0.080" THICKNESS SF 630-A002 STANDARD ROADSIDE SIGNS, SHEET ALUM INUM, 0.125" THICKNESS SF	130	
630-A001 STANDARD ROADSIDE SIGNS, SHEET ALUMINUM, 0.080" THICKNESS 630-A002 STANDARD ROADSIDE SIGNS, SHEET ALUMINUM, 0.125" THICKNESS SF	139	
630-A002 STANDARD ROADSIDE SIGNS, SHEET ALUM INUM, 0.125" THICKNESS SF	13	
	52	
630-C004 STEEL U-SECTION POSTS, 3.0 TO 3.5 LB/FT	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	100%	
907-804-B001 BOX BRIDGE CONCRETE, CLASS B	521	
805-A001 REINFORCEMENT	101104	
815-A006 LOOSE RIPRAP, SIZE 100 TON	540	
815-A009 LOOSE RIPRAP, SIZE 300	1862	
815-E001 GEOTEXTILE UNDER RIPRAP SY	382	
815-F002 SEDIMENT CONTROL STONE TON	310	



WORK.			BO	X CUL STANDARD	VERTS CLASS	REQUI	RED Struc. ex	CAV.			MISS	. BR-Ø510-ØØ(ØØ
NO.	STATION	SIZE	LENGTH	DRAWINGS REQUIRED	"B" CONCRETE	STEEL	EST. DEPTH	CUBIC COVI YARDS	ER MATL.	REMARKS		
5	285+26	10' X 6'	100'	IBJL–1, ICJ–1 IBS–6–2W, IWS	l, 114.60 5–3	25230	5′	313.66 13'	31.31	EXTEND LT. MOD. 15' HIGH COVER		
				IBSM–3W								
TOTAL					114.60	25230		313.66	31.31			
					K BRII	DGES	REQU	IRED				
ORK. IO.	STATION	SIZE	LENGTH ALONG ଜୁ	STANDARD DRAWINGS REQUIRED	CLASS "B" LEN CONCRETE	IGTH REIN STEE	IF. STF EL DEPT	UC. EXCAV. CUBIC YARDS		LECT AT'L. REMARKS		
3	115+66	18' X 12'	20.53'	IBJL-1, ICJ-1, IBS-12-2W, IWS-3 SM-3W, ISK-15-3W	521.00	141 10110	4 1	202.09	10′ 93	3.64 15°LT.FWD.SKEW MOD.10′HIGH COVE	ER	
					C.Y.	LB. 10110	,)4	C.Y. 202.09	93	C.Y.		
					1							
											ISSIPPI DEPARTMENT OF TRA	NSPORTATIC
											CULVERTS REQUIRED	D OF TRANS.

BOX BRIDGES REQUIRED												
WORK. NO.	STATION	SIZE	LENGTH ALONG ଜୁ	STANDARD DRAWINGS REQUIRED	CLASS "B" CONCRETE	LENGTH	REINF. Steel	STRUC. EST. DEPTH	EXCAV. CUBIC YARDS	COVER	SELECT MAT'L.	
3	115+66	18' X 12'	20.53′	IBJL–1, ICJ–1,	521.00	141	101104	1	202.09	10′	93.64	
				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	
						·	1				-	

DESCRIPTION OF SHEETS SPECIAL DESIGN SHEETS ~ BRIDGE DRAWINGS	WORK ING NUMBER	SHEET NUMBER
DETAILED INDEX (BRIDGE)	DI-BR	.8001
SUMMARY OF QUANTITIES (BRIDGE)	SQ-BR	.8002
ESTIMATED QUANTITIES (BRIDGE)	EQ-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. I & 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. I. 2. 4 & 5 DETAILS	A11 OF 22	8014
40 FT. SPAN NOS. 1. 2. 4 8 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	AIT OF 22	8020
RAILING DETAILS	A18 OF 22	8021
ΔO FT REAM DETAILS - REAM ΔO -1 (TYPE 1+2)	A10 OF 22	8022
an et ream details - reams an-i thru an-a (type III)	ATS OF 22	8023
PAD DETAILS DEAMS SOT TIMO SO OTTITAL	A20 01 22	8021
PRESTRESSED CONCRETE PILE DETAILS	A27 07 22 A22 0F 22	8025
BRIDGE AT STA. 287+52.08		2000
S.K. 433 ACROSS WALESHEDA CREEK (GENERAL NUTES)	BI OF 37	.0020
S.R. 433 ACROSS WALESHEDA CREEK (LATUUT)	BZ OF 37	.0027
S.R. 433 ACROSS WALESHEBA CREEK (FOUNDATION)	B3 OF 37	.8028
GENERALIZED SOIL PROFILE	B4 OF 37	.8029
END BENT NO. I DETAILS	BS OF 37	.8030
END BENT NO. 9 DETAILS	B6 OF 37	.8037
END BENT DETAILS	B7 OF 37	.8032
INT. BENIS NO. 2, 7 & 8 DETAILS	B8 OF 37	.8033
INT. BENT NO. 3 DETAILS	B9 OF 37	.8034
INT. BENT NO. 4 DETAILS	BTO OF 37	.8035
INT. BENT NO. 4 DETAILS	B11 OF 37	.8036
INT. BENT NO. 5 DETAILS	B12 OF 37	8037
INT. BENT NO. 3 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

		CUEET			STATE	PROJECT NO.
SPECIAL DESIGN SHEETS ~ BRIDGE DRAWINGS	NUMBER	NUMBER		L	MISS.	BR-0510-00(009)
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		BRIDGE DIVISION		_
135 FT. BEAM DETAILS - BEAMS 135-1 THRU 135-6 (TYPE BT-72)	B34 OF 37	.8059		REVISIONS	1	_
PAD DETAILS	B35 OF 37	.8060	DATE	SHEET NO.	BY	_
PRESTRESSED CONCRETE PILE DETAILS	B36 OF 37	8061	2/13/14	8002,8003,8004	SMS	_
TRIAL SHAFT DETAILS	B37 OF 37	8062		8026,8039		_
EROSION CONTROL PLANS						_
EROSION CONTROL PLAN	ECPA-BRI	8063				_
EROSION CONTROL PLAN	ECPA-BR2	8064				_
EROSION CONTROL PLAN	ECPB-BR1	8065				_
EROSION CONTROL PLAN	ECPB-BR2	8066				_



		BΥ	MISSISSIPPI	DEPARTMENT OF TRAN	SPORTATION
				DETAILED INDEX (BRIDGE)	
OYD L. P/ BDPR		REVISIONS	PROJECT	103321/301000 BR-0510-00(009)	
13333 OF 1405			YAZOO	COUNTY	working number
<u>12/13/2012</u>		DATE	designed <u>S.M.S</u> checked <u>S.D.O.</u>		sheet number

PAY ITEM NO.	PAY ITEM	UNIT	QUANTI	<u>TIES</u>
	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		1,980	
803-C004	18" x 18" Prestressed Concrete Piling		4,895	
803-F012	23" Pre-Formed Pile Hole		522 🛆	
803-F014	26" Pre-Formed Pile Hole		1,903 🛆	
803-1001	PDA Test Pile	Each	8	
803-J001	Pile Restrike	Each	4	
-803-K003	Drilled Shaft, 54" Diameter		484	
-803-M003	Trial Shaft, 54" Diameter		90	
803-N001	Exploration		81	
803-0020	Permanent Casing, 54" Diameter		210	
-804-A001	Bridge Concrete, Class AA	\bigcirc	1,220	
-804-C012	135 Ft. Prestressed Concrete Beam, Type BT-72		809	
-804-C016	40 Ft. Prestressed Concrete Beam, Type 1+2		2,129	
-804-C030	80 Ft. Prestressed Concrete Beam, Type III		957	
-804-C155	90 Ft. Prestressed Concrete Beam, Type III		539	
805-A001	Reinforcement	Lb.	260,950	
813-A002	Concrete Railing, 32"		1,497	
815-A009	Loose Riprap, Size 300	Ton	1,623	
815-E001	Geotextile Under Riprap	S.Y.	1,728	

80	3-B002	Cor
80	3-003	16
80	3-004	18
△ 80	3-F012	23
△ 80	3-F014	26
8()3-1001.	PD
80	3-J001	Pile
907-80	3-K003	Dri
907-80	3-M003	Tri
80	3-NO01	Exp
80	3-0020	Per
907-80	4-A001.	Bri
907-80	4-C012	13
907-80	4-C016	40
907-80	4-C030	80
907-80	4-C155	90
80	5-A001	Rei
81	3-A002	Соі
81	5-A009	Loc
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				STATE	PROJECT NO.
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	$\overline{\mathbb{S}}$			_	
	SM. BY	MISSISSIPPI DEF	PARTMENT	OF TRAN	SPORTATION
		JUIVIIVI	(BRIDG	IE)	ILJ
	S S				
SYDL. PITCH	VISION			_	
SEOPROF S	<u>v //em</u> RE	PROJECT 10)3321/3	01000	
13333	ised Pa				WORKING NUMBER
OF MSS	14 Rev.	IAZUU	ζ		SU-BR
DATE: 12/13/2012	2//3/, DATE	DESIGNED <u>J. IVI. J.</u> DETAI CHECKED <u>E. M. B.</u> ISSUEI	led <u>J. IVI. J.</u> t D	raced_ <u>CADD</u>	8002

BRIDGE BEGIN	NNING TION	SPANS- SIZE	OVERALL LENGTH	ITEM	Transverse Grooving	Conventional Static Pile Load Test	16"X16" Prest. Conc. Piling	18"X18" Prest. Conc. Piling	∠ 23" Pre-Formed Pile Hole	△ 26" Pre-Formed Pile Hole	PDA Test Pile	Pile Restrike	Drilled Shaft (54"p)	Trial Shaft (54"φ)	Exploration	Permanent Casing (54"φ)	Class AA Bridge Concrete	135 Ft. Prest. Conc.P Beam	40 Ft. rest. 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+9	99.16	(2@40')-90'	251'-84"	Spans	889 00												275 34		947 00
		-(2@40') Continuous for		End Bents		1	1080 00		216 00		2	1					42 44		
		Live Load Only		Int. Bents		1		2495 00		863 00	2	1					8114		
				Total	889 00	2	1080 00	2495 00	<u> </u>	<u> </u>	4	2					398 92		947 00
"B" 287+5	52.08	(2@40')	496'-10"	Spans	1766 52												574 33	808 50	1182 00
		-80'-135'-80'		End Bents		1	900 00		△ 306 00		2	1					45 30		
		Continuous for		Int. Bents		1		2400 00		▲ 1040 00	2	1	484 00	90 00	81 00	210 00	200 96		
		Live Load Only	-	Total	1766 52	2	900 00	2400 00	<u> </u>	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	1,903.00	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. Con Beam		90 Ft. Prest. Con Beam		90 Ft. Prest. Con Beam		Reinforce- ment	Concrete Railing 32"	9	Loose Riprap Size 30	0	Geotextile Under Riprap
					L.F.	L.F.		Lb.	_b. L.F.		Ton		S.Y.				
"A"	199+99.16	(2@40')-90'	251'-84"	Spans		538	50	69129	503	38							
		-(2@40')		End Bents				8804			297	00	412 40				
		Live Load Only		Int. Bents				10891									
				Total		538	50	88824	503	38	297	00	412 40				
"B"	287+52.08	(2@40')	496'-10"	Spans	957 00			131532	993	67							
		-80'-135'-80'		End Bents				9273			204	80	132 00				
		-(3@40) Continuous for		Int. Bents				31321			1121	40	1183 30				
		Live Load Unly		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				



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



RIPRAP TOE DETAILS

PDA	TEST PIL	E SCI	HEDULE
		, ,,	

Bent No.	Minimum Length (Ft.)	Tip Elevation
/	75	117.2
2	80	112.1
4	85	107.0
6	75	117.2

REQUIRED	ULT. PILE BEARIN	G CAPACITY AN	ID TIP ELEVATI	ON 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"×18"	70	122.0
6	120	16"x16"	60	

	ESTIMATED QUANTITIES													
Item	Transverse Grooving	Conventional Static Pile Load Test	16"x16" Prestressed Concrete Piling	18"x18" Prestressed Concrete Piling	23" Pre-Formed Pile Hole	26" Pre-Formed Pile Hole	PDA Test Pile	Pile Restrike	Class "AA" Bridge Concrete	40 Ft. Prest. Conc. Type 1+2 Beams	90 Ft. Prest. Conc. Type III Beams	Reinforcement	Concrete Railing, 32"	Loose Riprap (300*)
Location	5. Y.	Each	L.F.	L.F.	\bigtriangleup L.F.	\triangle L.F.	Each	Each	<i>C.Y.</i>	L.F.	L.F.	Lb.	L.F.	Ton
Spans	889.00								275.34	947.00	538.50	69,129	503.38	
End Bents		/	1080.00		▲ 216.00		2	1	42.44			8,804		297.00
Int. Bents		1		2495.00		▲ 863.00	2	1	81.14			10,891		
Totals	889.00	2	1080.00	2495.00	▲ 216.00	▲ 863.00	4	2	398.92	947.00	538.50	88,824	503.38	297.00

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. 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 I. Site Class Defenition: Site Class D. Importance Category: Other

SPECIAL PROVISIONS REOUIRED: Concrete Bridge And Structures No. 907-804

ESTIMATED	QUANTITIES



DATE: 12

	STATE	PROJECT NO.
	MISS.	BR-0510-00(009)
PILE NOTES: Test Piles Shall Be Driven As Permanent Piles At	The Locatio	Ω
Shown In The PDA TEST PILE SCHEDULE And For As Test Piles Only. The Director of Structures. State Bridge Engineer	· Will Be Pa · Mav Authol	id rize Test
Piles Driven Outside The Structural Limits. Test Piles Shall Be Driven As A Continuous Opera	tion, To The)
Bearing Capacity And The Minimum Ground Pend In The PDA TEST PILE SCHEDULE, Unless Of	etration Shov therwise Dire	vn cted
Dy The Director Of Structures, State Dridge Permanent Piles Shall Be Driven To An Elevation I Than The Flevation Shown In The REOUIRED 1.	Engineer. Vo Higher II TIMATF PI	r F
BEARING CAPACITY AND TIP ELEVATION SCH. The Tip Elevation Of Piling, For Hydraulic Structu	EDULE. Ires, May Be	- <u> </u>
Determined By Scour Line. When Feasible, Bearing Piles Shall Be Driven Full Shall Be Spliced. Only. As Approved By The I	Length And Director Of	Structures.
State Bridge Engineer. When Loading Tests Are Required, The Maximum T Be One And One Half (12) Times The Required	est Load Sh	all /
Bearing Capacity. All Piles Shall Be Prestressed Type Per Details (On Sheet No.	A22.
Prestressed Concrete Piling Shall Not Be Driven C Has Reached A Minimum Compressive Strength Is At Least 7 Days Old	ntil The Con Of 5,000 P	crete SI And
PDA Test Piles Shall Require A 1 Day and 7 Day Otherwise Directed By The Engineer.	r Restrike U.	nless
Pile Lengths and Driving Criteria Shall Be Provideo Results Of The PDA Test Piles. The Required Ultimate Pile Rearing Shown In The H	Based On	TINAN TE
PILE BEARING AND TIP ELEVATION SCHEDUL Resistance Factor For PDA Of 0.65.	E Includes i	The LRFD
A 23" Preformed Pile Holes May Be Required For Bents I & 6 And Shall Be Drilled To An Elev Directed By The Director Of Structures Stat	Permanent Pr vation Of 13 to Bridge En	iles In End 7.0' Or As
Preformed Pile Holes Shall Not Be Required Fo 26"ø Preformed Pile Holes May Be Required For	e Druge Lig pr Test Piles Permanent Pi	s. S.
Bents 2 & 5 And Shall Be Drilled To An Elev For Bents 3 & 4 Shall Be Drilled To An Elev	ration Of 12 ration Of 12	7.0' And 2.0' Or As
Directed By The Director Of Structures, Star Preformed Pile Holes Shall Not Be Required Fo	te Bridge Eng or Test Piles	<i>5.</i> 5.
GENERAL NOTES:		
Specifications: Mississippi Standard Specific Road And Bridge Construction 2004.	cations For	
No Change Of Plans Will Be Permitted Exce, Approval Of The Director Of Structures	ot By Writte , State Brio	en ge Engineer.
Be Authorized By The Director Of Struc Engineer, Provided Such Changes Will No	ctures, State t Be Cause	Focedure May e Bridge For Contract
Price Adjustment. The Final Surface Texture Of The Bridge D	eck Shall Be	
Mechanically Transverse Grooved In Acco Sections 501 And 907-804 Of The Spo Span Details For Limits Of Transverse	prdance With ecifications. Grooving On	See Misc. Bridae
Deck. Bridge Concrete Shall Be Class "AA".		DITOBE
Railing Expansion Joint Material Shall Be Bit. Type Unless Otherwise Noted. No Poymont Will Bo Allowed For Excountion	uminous Fiber Incidental 1	
Construction Of End Bents. Bar Bending Details Shall Be In Accordance	With "Manua	/
Of Standard Practice For Detailing Reini Structures" (ACI 315R-94).	forced Concr	ete -//
Reinforcement Order Lists And Required Flac Be Furnished In Accordance With Section Mississippi Standard Specifications. Par	n 805 Of T. tial Submitte	all he als
Are Not Acceptable. Shop Drawings Of Prestressed Beams, Includ	ing An Ereci	tion
Plan, Shall Be Submitted in Duplicate To Structures, State Bridge Engineer For A The Manufacture Of Beams.	The Directo Approval Prio	r To
Concrete Surfaces Shall Receive A Class 2 Spray Finish In Accordance With The Sp	Rubbed Or pecifications.	
Geotextile Reinforcing Steel Shall Be ASTM AGTS, Gra Otherwise Noted. Work For Which No Pay Item Is Provided I	de 60, Unies In The Propo	sal
Under Riprap Will Not Be Paid For Directly And Com Sa Ya Therefore Will Be Included In The Price	pensation s And	
Payments For Bid Items. All Riprap And Geotextile Fabric Shown On D Included In Bridge Quantities	Bridge Plans	Are
412.40		
MISSISSIPPI DEPARTMENT	OF TRAN	NSPORTATION
	* 100.	55.10
S.R. 433 ACROSS	INDIAN	CREEK
L AUD A AUD	<u> </u>	
PROJECT 103321/3	0(009)	
× VAZOO	OUNTY	WORKING NUMBER
MSSERVENT DESIGNED S.M.S. DETAILED S.M.S. →	IRACED CADD	SHEET NUMBER
<u>И13/2012</u> СНЕСКЕД <u>S.D.O.</u> ISSUED <u>N.J.A.</u>	DATE <u>12/12</u>	8004



RIPRAP TOE DETAILS

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					

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.

SHAF ELEV	T ESTIMATE ATION SCHE	ED TIP EDULE
Bent No.	Estimated Tip Elevation	Estimated Length (Ft.)
485	109.1580'	80'-8"

SHAFT DESIGN LOAD REOUIREMENTS							
Bent No.	Axial Load (Kips)	Moment (FtKips)	LRFD Resistance For Axial Load	Required Ultimate Axial Load (Kips)			
485	1050	1 700	0.55	1910			

REOUIRED	ULT. PILE BEARIN	G CAPACITY AN	ID TIP ELEVATI	ON SCHEDULE
Bent No.	Required Ult. Bearing (Tons)	Concrete Piling	Estimated Length (Ft.)	Min. Tip Elevation
/	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	

						ESTIMATL	ED QUANTIT	IES					
Item	Transverse Grooving	Conventional Static Pile Load Test	16"x16" Prestressed Concrete Piling	18"x18" Prestressed Concrete Piling	A 23" Pre-Formed Pile Hole	A 26" Pre-Formed Pile Hole	PDA Test Pile	Pile Restrike	Drilled Shaft (54" ø)	Trial Shaft (54″φ)	Exploration	Permanent Casing (54" ø)	Class "AA" Bridge Concrete
Location	5. Y.	Each	L.F.	L.F.	L.F.	L.F.	Each	Each	L.F.	L.F.	L.F.	L.F.	С. Ү.
Spans	1,766.52												574.33
End Bents		1	900.00		▲ 306.00		2	1					45.30
Int. Bents		1		2400.00		▲ 1040.00	2	/	484.00	90.00	81.00	210.00	200.96
Totals	1,766.52	2	900.00	2400.00	▲ 306.00	▲ 1040.00	4	2	484.00	90.00	81.00	210.00	820.59

Item	135 Ft. Prest. Conc.Type BT-72 Beams	40 Ft. Prest. Conc. Type 1+2 Beams	80 Ft. Prest. Conc. Type III Beams	Reinforcement	Concrete Railing, 32"	Loose Riprap (300 [#])	Ur
Location	L.F.	L.F.	L.F.	Lb.	L.F.	Ton	
Spans	808.50	1182.00	957.00	131,532	993.67		
End Bents				9,273		204.80	
Int. Bents				31,321		1121.40	
Totals	808.50	1182.00	957.00	172,126	993.67	1326.20	
L							

DRAINAGE DATA:

Effective Area......2927 sq. ft.

DESIGN DATA:

Provided

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

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 Structure's, State Bridge Engineer May Authorize Test Piles Driven Outside The Structural Limits. Test Piles Shall Be Driven As A Continuous Operation, To The

Test Piles Snall 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

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 (12) 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 I 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.

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. 23"¢ Preformed Pile Holes May Be Required For Permanent Piles In End Bents I & 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. 26"¢ Preformed Pile Holes May Be Required For Permanent Piles In Bents 2, 3 & 5 Thru 8 And Shall Be Drilled To An Elevation Of 1410' Or As Directed By The Director Of Structures State Bridge 141.0 Or As Directed By The Director Of Structures, State Bridge Engineer. Preformed Pile Holes Shall Not Be Required For Test Piles.

Geotextile nder Riprap <u>Sq. Yd.</u> 132.00 1183.30 1315.30



		STATE	PROJECT NO.
		MISS.	BR-0510-00(009)
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DRILLED S	SHAFT NOTES:	4 / · / - ·	
The Contracto At Least (Trial, And	or Shall Notify The State Geo Three (3) Days In Advance (chor Or Test) Construction.	ofechnical Engineer Of Any Shaft	r
The Trial Sha Sheet No.	ft Shall Be Constructed At L B3.	ocation Shown Or	7
For Computati Elev. 190 Shall Be L	ion Of Quantities, Top Of Tri D.O' (Approximate Ground). Boi Elev. 100.0'.	al Shaft Shall Be tom Of Trial Sha	s 7f †
Trial Shaft Ro Production No. B14.	einforcing Steel Shall Be Iden. Shaft Reinforcing Steel As .	tical To The Shown On Sheet	
Roller Type C Drilled Sh	Centralizers Are Required For afts.	Construction Of	A11
The Contracto At Each I	pr Shall Obtain The Finish Gro Production Shaft And Submit	ound Line Elevatio Them To The	Π
Director C The Const	Of Structures, State Bridge L Truction Joint Between The Co	Ingineer. lumn And	
Snati Sha Reinforcing	of De Flaced Al Inis Elevation Steel Lengths Shall Be Modi Star Shauld Ba America The	n And The ified Accordingly. Final Tia Floot	
For The I	Production Shafts Will Be Pro	rinal Tip Elevalid ovided After Tria	0.15
The Tip Eleva	d Load Tests Have Deen Per	Tormed. These Plans Are	2
For Estim Raised Or	ating And Design Purposes On Lowered Depending On The C	ly And May Be Dutcome Of A Loc	ad
In The Event	Temporary Casing Is Used As	s Permanent Casii	78,
It Shall B Exposed S	le Paid For As Temporary Ca Steel Casing Shall Be Removed	sing. Or Painted As	
FOIIOWS:			
TT Remov Belo	ow The Ground Line Elevation	oner Ut Trool Or 6 Inches	
Abc 2) Paint	ove The Low Water Elevation. Exposed Casing Per Section	816 Of The	
Spe Gre	pcifications With One Prime Co ov In Color To The Higher Of	pat Which Shall L `I Foot Below T	Be The
Gro Wa	ound Line Elevation Or 6 Inch ter Elevation	es Above The Lo	Ŵ
,,,,			
CENEDAL			
GENERAL	NOTES:	iliantiana Far	
Road And	d Bridge Construction 2004.		
ivo Change (Approval	n rians vvill be Permitted Ex Of The Director Of Structu	rcepi by VVritten res, State Bridge	Engineer.
Minor Ch Be Autho	hanges In Detail Of Design Or prized By The Director Of Si	Construction Pro tructures. State	ncedure May Bridge
Engineer. Price As	Provided Such Changes Will	Not Be Cause Fo	or Contract
The Final Su	Inface Texture Of The Bridge	Deck Shall Be	
iviechanic Sections	any transverse Grooved In A 501 And 907-804 Of The	ccordance vvith Specifications. Se	pe Misc.
Span De Deck.	tails For Limits Of Transvers	e Grooving On Br	ridge
Bridge Concr Railing Expan	ete Shall Be Class "AA". sion Joint Material Shall Be d	Bituminous Fiber	
Type' Un No Payment	less Otherwise Noted. Will Be Allowed For Excavat.	ion Incidental To	The
Construc Bar Rending	tion Of End Bents. Details Shall Be In Accordance	e With "Manual	
Of Stand	dard Practice For Detailing Re	einforced Concret	e
Structur Reinforcemen	es (ACI SISK-94). t Order Lists And Required F	Placino 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.

