

SECTION 905 -- PROPOSAL (CONTINUED)

I (We) hereby certify by digital signature and electronic submission via Bid Express of the Section 905 proposal below, that all certifications, disclosures and affidavits incorporated herein are deemed to be duly executed in the aggregate, fully enforceable and binding upon delivery of the bid proposal. I (We) further acknowledge that this certification shall not extend to the bid bond or alternate security which must be separately executed for the benefit of the Commission. This signature does not cure deficiencies in any required certifications, disclosures and/or affidavits. I (We) also acknowledge the right of the Commission to require full and final execution on any certification, disclosure or affidavit contained in the proposal at the Commission's election upon award. Failure to so execute at the Commission's request within the time allowed in the Standard Specifications for execution of all contract documents will result in forfeiture of the bid bond or alternate security.

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

ADDENDUM NO. <u> 1 </u>	DATED <u> 3/5/2020 </u>	ADDENDUM NO. <u> </u>	DATED <u> </u>
ADDENDUM NO. <u> 2 </u>	DATED <u> 3/17/2020 </u>	ADDENDUM NO. <u> </u>	DATED <u> </u>
ADDENDUM NO. <u> </u>	DATED <u> </u>	ADDENDUM NO. <u> </u>	DATED <u> </u>

Number	Description
1	Revised Table of Contents; Added SP No. 907-513-1; Revised Bid Items; Revised or Added Plan Sheet Nos. 2, 8, 11, 12, 13, 8001 & 8058; Amendment EBSx Download Required.
2	Revised Bid Items; Revised or Added Plan Sheet Nos. 2, 10 - 13, 8001, 8003, & 8039; Amendment EBSx Download Required.

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

Respectfully Submitted,

DATE _____

Contractor

BY _____
Signature

TITLE _____

ADDRESS _____

CITY, STATE, ZIP _____

PHONE _____

FAX _____

E-MAIL _____

(To be filled in if a corporation)

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

President Address

Secretary Address

Treasurer Address

The following is my (our) itemized proposal.

BR-0055-04(102)/ 107214301000

Tate County(ies)

Revised 01/26/2016

Bridge Replacement on I-55 Replace Twin Bridges over Hickhala Creek and Relief Bridge, Bridge Nos. 266.8 A&B and 267.6 A&B, known as Federal Aid Project No. BR-0055-04(102) / 107214301 in Tate 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	202-A001		1	Lump Sum	Removal of Obstructions
0030	202-B007		3,083	Square Yard	Removal of Asphalt Pavement, All Depths
0040	202-B039		2,909	Linear Feet	Removal of Cable Barrier
0050	202-B040		2	Each	Removal of Cable Barrier Terminal Section
0060	202-B058		80	Each	Removal of Concrete Lug Anchor
0070	202-B069		44,396	Square Yard	Removal of Concrete Pavement w/ Variable Depth Overlay
0080	202-B121		3,140	Linear Feet	Removal of Edge Drain
0090	202-B122		157	Each	Removal of Edge Drain Outlet
0100	202-B129		5	Each	Removal of Flared End Section, All Sizes
0110	202-B158		1,715	Linear Feet	Removal of Guard Rail, Including Rails, Posts and Terminal Ends
0120	202-B165		5	Each	Removal of Inlets, All Sizes
0130	202-B191		19	Linear Feet	Removal of Pipe, 8" And Above
0140	202-B229		100	Square Yard	Removal of Soil Cement, All Depths
0150	202-B240		1,120	Linear Feet	Removal of Traffic Stripe
0160	203-A001	(E)	85,851	Cubic Yard	Unclassified Excavation, FM, AH
0170	203-EX020	(E)	324,011	Cubic Yard	Borrow Excavation, AH, FME, Class B9
0180	206-A001	(S)	520	Cubic Yard	Structure Excavation
0190	206-B001	(E)	17	Cubic Yard	Select Material for Undercuts, Contractor Furnished, FM
0200	209-A005		141,463	Square Yard	Geotextile Stabilization, Type V, Non-Woven
0210	211-B001	(E)	27,792	Cubic Yard	Topsoil for Slope Treatment, Contractor Furnished
0220	213-C001		23	Ton	Superphosphate
0230	216-A001		244	Square Yard	Solid Sodding
0240	217-A001		3,262	Square Yard	Ditch Liner
0250	219-A001		5	Thousand Gallon	Watering [\$20.00]
0260	220-A001		46	Acre	Insect Pest Control [\$30.00]
0270	221-A001	(S)	32	Cubic Yard	Concrete Paved Ditch
0280	223-A001		92	Acre	Mowing [\$50.00]
0290	224-A001		1,769	Square Yard	Soil Reinforcing Mat
0300	225-A001		46	Acre	Grassing
0310	225-B001		138	Ton	Agricultural Limestone
0320	225-C001		92	Ton	Mulch, Vegetative Mulch

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0330	226-A001		46	Acre	Temporary Grassing
0340	234-A001		20,300	Linear Feet	Temporary Silt Fence
0350	234-D001		5	Each	Inlet Siltation Guard
0360	234-E001		5	Each	Reset Inlet Siltation Guard
0370	234-F001		4,650	Linear Feet	Turbidity Barrier
0380	237-A002		18,950	Linear Feet	Wattles, 20"
0390	239-A001		11,220	Linear Feet	Temporary Slope Drains
0400	245-A001		800	Linear Feet	Silt Dike
0410	246-B001		8,400	Each	Rockbags
0420	249-A001		2,300	Ton	Riprap for Erosion Control
0430	249-B001		1,150	Cubic Yard	Remove and Reset Riprap
0440	304-B002	(GT)	37,370	Ton	Granular Material, Class 3, Group D
0450	307-C004	(M)	36,480	Square Yard	6" Soil-Lime-Water Mixing, Class C
0460	307-D001		492	Ton	Lime
0470	307-S001	(A3)	9,120	Gallon	Bituminous Curing Seal
0480	308-A001		309	Ton	Cement
0490	308-B003	(M)	36,480	Square Yard	Soil-Cement-Water Mixing, Optional Mixers, Design Soil
0500	308-S001	(A3)	9,120	Gallon	Bituminous Curing Seal
0510	403-A001	(BA1)	6,406	Ton	12.5-mm, HT, Asphalt Pavement
0520	403-A004	(BA1)	9,651	Ton	19-mm, HT, Asphalt Pavement
0524	403-A003	(BA1)	4,834	Ton	12.5-mm, ST, Asphalt Pavement
0530	403-A006	(BA1)	9,746	Ton	19-mm, ST, Asphalt Pavement
0540	403-A013	(BA1)	259	Ton	9.5-mm, HT, Asphalt Pavement
0542	403-A015	(BA1)	1,780	Ton	9.5-mm, ST, Asphalt Pavement
0550	403-S001		6	Mile	Joint Sealant
0560	405-A001	(BA1)	6,058	Ton	Stone Matrix Asphalt, 12.5 mm Mixture
0570	405-A002	(BA1)	4,495	Ton	Stone Matrix Asphalt, 9.5 mm Mixture
0580	406-A002		21,523	Square Yard	Cold Milling of Bituminous Pavement, All Depths
0590	406-D001		60,060	Square Yard	Fine Milling of Bituminous Pavement, All Depths
0600	407-A001	(A2)	20,521	Gallon	Asphalt for Tack Coat
0610	413-E001		359	Linear Feet	Sawing and Sealing Transverse Joints in Asphalt Pavement
0620	423-A001		7	Mile	Rumble Strips, Ground In
0630	502-A001	(C)	772	Square Yard	Reinforced Cement Concrete Bridge End Pavement
0640	503-C010		2,173	Linear Feet	Saw Cut, Full Depth

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0650	601-A001	(S)	50	Cubic Yard	Class "B" Structural Concrete
0660	601-B001	(S)	20	Cubic Yard	Class "B" Structural Concrete, Minor Structures
0670	601-B002	(S)	12	Cubic Yard	Class "C" Structural Concrete, Minor Structures
0680	602-A001	(S)	9,428	Pounds	Reinforcing Steel
0700	603-ALT003	(S)	1,444	Linear Feet	18" Type A Alternate Pipe
0710	603-CA011	(S)	544	Linear Feet	18" Reinforced Concrete Pipe, Class III
0720	603-CA026	(S)	528	Linear Feet	24" Reinforced Concrete Pipe, Class III
0730	603-CB003	(S)	5	Each	18" Reinforced Concrete End Section
0734	603-CB004	(S)	8	Each	24" Reinforced Concrete End Section
0740	604-B001		2,500	Pounds	Gratings
0750	605-AA001	(S)	214	Square Yard	Geotextile for Subsurface Drainage, Type III
0760	605-O002	(S)	384	Linear Feet	4" Perforated Sewer Pipe for Underdrains, SDR 23.5
0770	605-P002	(S)	48	Linear Feet	4" Non-perforated Sewer Pipe for Underdrains, SDR 23.5
0780	605-W001	(GY)	15	Cubic Yard	Filter Material for Combination Storm Drain and/or Underdrains, Type A, FM
0790	605-X005	(GY)	46,597	Cubic Yard	Filter Material for Filter Beds, Type C
0800	606-B001		1,400	Linear Feet	Guard Rail, Class A, Type 1
0810	606-D022		8	Each	Guard Rail, Bridge End Section, Type I
0820	606-E005		8	Each	Guard Rail, Terminal End Section, Flared
0840	607-A002		8,998	Linear Feet	60" Type "A" Woven Wire Fence, w/ Barbed Wire as Shown
0850	607-E001		150	Linear Feet	Barbed Wire Fence, Single Strand
0860	607-G087		9	Each	Gate, 12' x 52" Aluminum
0870	607-G126		4	Each	Gate, 3' x 52" Chain Link
0880	607-P1011		562	Each	Line Post, 7' x 4" Timber
0890	607-P1019		112	Each	Line Post, 9' x 4" Timber
0900	607-P1022		2	Each	Line Post, 10' x 1 1/2" Galvanized Steel
0910	607-P1025		75	Each	Line Post, 10' x 4" Timber
0920	607-P2009		116	Each	Brace Post, 8' x 6" Timber
0930	607-P2015		23	Each	Brace Post, 10' x 6" Timber
0940	607-P2019		15	Each	Brace Post, 12' x 6" Timber
0950	607-P3006		13	Each	Gate Post, 8' x 6" Timber
0960	607-Z001		185	Each	Concrete Anchors
0970	610-B001		2	Each	Cable Barrier Terminal Section
0980	612-A001		95	Cubic Yard	Flowable Fill, Excavatable

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0990	615-A024	(S)	160	Linear Feet	Concrete Bridge End Barrier, 37.5"
1000	617-B001		16	Each	Permanent Easement Marker
1010	618-A001		1	Lump Sum	Maintenance of Traffic
1020	619-A1001		14	Mile	Temporary Traffic Stripe, Continuous White
1030	619-A1005		5,222	Linear Feet	Temporary Traffic Stripe, Continuous White, Type 1 Tape
1040	619-A2001		13	Mile	Temporary Traffic Stripe, Continuous Yellow
1050	619-A2006		5,222	Linear Feet	Temporary Traffic Stripe, Continuous Yellow, Type 1 Tape
1060	619-A3001		10	Mile	Temporary Traffic Stripe, Skip White
1070	619-A3006		5,222	Linear Feet	Temporary Traffic Stripe, Skip White, Type 1 Tape
1080	619-D1001		75	Square Feet	Standard Roadside Construction Signs, Less than 10 Square Feet
1090	619-D2001		960	Square Feet	Standard Roadside Construction Signs, 10 Square Feet or More
1100	619-D4001		168	Square Feet	Directional Signs
1110	619-F1001		17,617	Linear Feet	Concrete Median Barrier, Precast
1120	619-F2001		11,398	Linear Feet	Remove and Reset Concrete Median Barrier, Precast
1130	619-G4005		72	Linear Feet	Barricades, Type III, Single Faced
1140	619-G5001		23	Each	Free Standing Plastic Drums
1150	619-G7001		22	Each	Warning Lights, Type "B"
1160	619-J1004		4	Each	Impact Attenuator, 60 MPH
1170	619-J2004		4	Each	Impact Attenuator, 60 MPH, Replacement Package
1180	620-A001		1	Lump Sum	Mobilization
1190	626-A001		4	Mile	6" Thermoplastic Double Drop Traffic Stripe, Skip White
1200	626-C002		4	Mile	6" Thermoplastic Double Drop Edge Stripe, Continuous White
1210	626-F001		4	Mile	6" Thermoplastic Double Drop Edge Stripe, Continuous Yellow
1220	627-K001		318	Each	Red-Clear Reflective High Performance Raised Markers
1230	630-A001		43	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness
1240	630-A003		136	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness
1250	630-B002		527	Square Feet	Interstate Directional Signs, Bolted Extruded Aluminum Panels, Ground Mounted
1260	630-C002		33	Linear Feet	Steel U-Section Posts, 2.0 lb/ft
1270	630-C003		183	Linear Feet	Steel U-Section Posts, 3.0 lb/ft
1280	630-D005		117	Linear Feet	Structural Steel Beams, W12 x 26
1290	630-D009		82	Linear Feet	Structural Steel Beams, W8 x 18
1300	630-E001		89	Pounds	Structural Steel Angles & Bars, 3 1/2" x 3 1/2" x 1/4" Angles
1310	630-E003		129	Pounds	Structural Steel Angles & Bars, 4" x 4" x 5/16" Angles

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
1320	630-E004		123	Pounds	Structural Steel Angles & Bars, 7/16" x 2 1/2" Flat Bar
1330	630-F006		56	Each	Delineators, Guard Rail, White
1340	630-F007		56	Each	Delineators, Guard Rail, Yellow
1350	630-G003		8	Each	Type 3 Object Markers, OM-3L, Post Mounted
1360	630-G007		8	Each	Type 3 Object Markers, OM-3R, Post Mounted
1370	630-K003		128	Linear Feet	Welded & Seamless Steel Pipe Posts, 4"
1380	699-A001		1	Lump Sum	Roadway Construction Stakes
1390	907-402-A002	(BA1)	2,715	Ton	Open Graded Friction Course, 9.5-mm Mixture
1400	907-402-B001	(A3)	6,931	Gallon	Bituminous Tack Coat
1402	907-513-A001		18,550	Square Yard	Cracking and Seating Concrete Pavement
1410	907-619-E3001		4	Each	Changeable Message Sign
1420	907-906001		1,040	Hours	Trainees [\$5.00]
ALTERNATE GROUP AA NUMBER 1					
1430	304-F001	(GT)	49,800	Ton	3/4" and Down Crushed Stone Base
ALTERNATE GROUP AA NUMBER 2					
1440	304-F002	(GT)	49,800	Ton	Size 610 Crushed Stone Base
ALTERNATE GROUP AA NUMBER 3					
1450	304-F003	(GT)	49,800	Ton	Size 825B Crushed Stone Base
ALTERNATE GROUP BB NUMBER 1					
1460	605-W002	(GY)	186	Cubic Yard	Filter Material for Combination Storm Drain and/or Underdrains, Type B, FM
ALTERNATE GROUP BB NUMBER 2					
1470	605-W003	(GY)	186	Cubic Yard	Filter Material for Combination Storm Drain and/or Underdrains, Type C, FM
Bridge Items					
1480	501-K001		12,566	Square Yard	Transverse Grooving
1490	802-C001	(S)	59,854	Square Feet	Temporary Steel Sheet Piling
1500	803-D007	(S)	9,900	Linear Feet	HP 14 x 89 Steel Piling
1510	803-K013	(S)	1,500	Linear Feet	Drilled Shaft, 96" Diameter
1520	803-L008	(S)	1	Each	Test Shaft, 96" Diameter
1530	803-M011	(S)	132	Linear Feet	Trial Shaft, 96" Diameter
1540	803-N001	(S)	120	Linear Feet	Exploration
1550	803-O014	(S)	720	Linear Feet	Permanent Casing, 96" Diameter
1560	803-P003	(S)	6,150	Linear Feet	30" Steel Pipe Piling, Wall Thickness 0.500"
1570	804-C192	(S)	11,120	Linear Feet	100' Prestressed Concrete Beam, Type FIB-36
1580	805-A001	(S)	1,172,402	Pounds	Reinforcement

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
1590	805-C001	(S)	18,168	Pounds	Reinforcement, Corrosion Resistant
1600	810-A007	(S)	4,278,900	Pounds	Structural Steel, A 709, Grade 50W
1610	811-D001	(S)	40	Each	Disc Bearing Device
1620	813-A004	(S)	5,976	Linear Feet	Concrete Railing, 36"
1630	815-A002	(S)	12,390	Ton	Loose Riprap, Size 100
1640	815-A007	(S)	466	Ton	Loose Riprap, Size 300
1650	815-E001	(S)	14,961	Square Yard	Geotextile under Riprap
1660	815-F002	(S)	70	Ton	Sediment Control Stone
1670	907-803-B001	(S)	6	Each	Conventional Static Pile Load Test [\$5,000.00]
1680	907-803-I003	(S)	8	Each	PDA Test Pile, HP Steel Pile
1690	907-803-I004	(S)	4	Each	PDA Test Pile, Steel Pipe Pile
1700	907-803-J001	(S)	6	Each	Pile Restrike
1710	907-804-A001	(S)	2,034	Cubic Yard	Bridge Concrete, Class BDx
1720	907-804-A002	(S)	1,688	Cubic Yard	Bridge Concrete, Class AA
1730	907-804-A004	(S)	1,740	Cubic Yard	Bridge Concrete, Class BD

ADDENDUM

DESCRIPTION OF SHEET

REVISION DATE

SH. NO.

WKG. NO.

REVISION DATE

SH. NO.

WKG. NO.

DESCRIPTION OF SHEET

REVISION DATE

SH. NO.

WKG. NO.

STATE PROJECT NO.
MISS. BR-0055-04(102)

ROADWAY (81)

TITLE SHEET (1)

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- DETAILED INDEX
- DETAILED INDEX
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- GENERAL NOTES

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- ESTIMATED QUANTITIES - REMOVAL ITEMS & TRAFFIC CONTROL ITEMS
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- I-55 NB STA. 406+00 TO STA. 436+00
- I-55 SB STA. 406+00 TO STA. 436+00
- I-55 NB STA. 436+00 TO STA. 466+00
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- SEQUENCE OF CONSTRUCTION - PHASE 2 - STA. 403+00 TO STA. 470+00
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- TRAFFIC CONTROL PLAN - PHASE 3 - STA. 378+00 TO 403+00
- TRAFFIC CONTROL PLAN - PHASE 3 - STA. 403+00 TO STA. 470+00
- TRAFFIC CONTROL PLAN - PHASE 3 - STA. 470+00 TO EOP
- TRAFFIC CONTROL PLAN - PHASE 4 - STA. 378+00 TO STA. 403+00
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- TRAFFIC CONTROL PLAN - PHASE 4 - STA. 470+00 TO EOP
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- EROSION CONTROL PLAN - I-55 SB STA. 375+00 TO STA. 406+00
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- EROSION CONTROL PLAN - I-55 NB STA. 406+00 TO STA. 436+00
- EROSION CONTROL PLAN - I-55 SB STA. 406+00 TO STA. 436+00
- RIPARIAN BUFFER - I-55 BR. NO. 266.8
- EROSION CONTROL PLAN - I-55 NB STA. 436+00 TO STA. 466+00
- EROSION CONTROL PLAN - I-55 SB STA. 436+00 TO STA. 466+00
- RIPARIAN BUFFER - I-55 BR. NO. 267.6
- EROSION CONTROL PLAN - I-55 NB STA. 466+00 TO STA. 491+00
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- TEMPORARY SHORING WALL - 3
- TEMPORARY SHORING WALL - 4
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- PERMANENT SIGNING PLANS - STA. 400+00 TO STA. 430+00
- PERMANENT SIGNING PLANS - STA. 430+00 TO STA. 460+00
- PERMANENT SIGNING PLANS - STA. 460+00 TO E.O.P.
- PERMANENT SIGNING PLANS - SIGN DETAILS

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TSW-2

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TSW-3

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TSW-4

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SD-BES

81

SBD-1

1001

PSP-1

1002

PSP-2

1003

PSP-3

1004

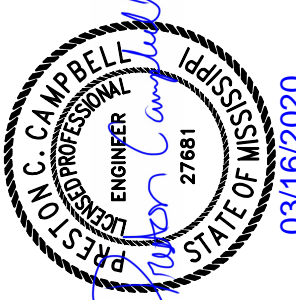
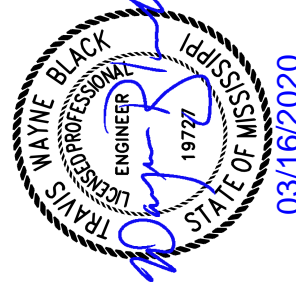
PSP-4

1005

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION
DETAILED INDEX**

BY	
REVISION	
I-55	
COUNTY:	TATE
PROJ. NUM.:	BR-0055-04(102)
FILENAME:	D.I.DGN
DESIGN TEAM	GARVER
CHECKED	TWB
DATE	JAN 2020
WORKING NUMBER	D1-1
SHEET NUMBER	2

GARVER, LLC	
PS & E PLANS - 01/07/2020	
FMS CON. # 107214/301000	
DATE	SHEET NO.
01/23/20	21-30, 57-68
02/25/20	8, 11, 12, 13
03/16/20	10, 11, 12, 13



ROADWAY

BRIDGE

TRAFFIC

ADDENDUM

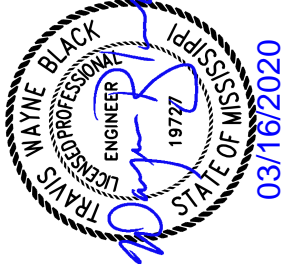
STATE	PROJECT NO.
MISS	BR-0055-04(102)

SUMMARY OF QUANTITIES (SHEET 1)

PAY ITEM NO.	PAY ITEM	UNIT	TATE : 107214-301000	
			Prelim	Final
201-A001	Clearing and Grubbing	LS	1	
202-A001	Removal of Obstructions	LS	1	
202-B007	Removal of Asphalt Pavement, All Depths	SY	3,083	
202-B039	Removal of Cable Barrier	LF	2,909	
202-B040	Removal of Cable Barrier Terminal Section	EA	2	
202-B058	Removal of Concrete Lug Anchor	EA	80	
202-B069	Removal of Concrete Pavement w/ Variable Depth Overlay	SY	44,396	
202-B121	Removal of Edge Drain	LF	3,140	
202-B122	Removal of Edge Drain Outlet	EA	157	
202-B129	Removal of Flared End Section, All Sizes	EA	5	
202-B158	Removal of Guard Rail, Including Rails, Posts and Terminal Ends	LF	1,715	
202-B165	Removal of Inlets, All Sizes	EA	5	
202-B191	Removal of Pipe, 8" And Above	LF	19	
202-B229	Removal of Soil Cement, All Depths	SY	100	
202-B240	Removal of Traffic Stripe	LF	1,120	
203-A001	Unclassified Excavation, FM, AH	CY	85,851	
203-EX020	Borrow Excavation, AH, FME, Class B9	CY	324,011	
206-A001	Structure Excavation	CY	520	
206-B001	Select Material for Undercuts, Contractor Furnished, FM	CY	17	
209-A005	Geotextile Stabilization, Type V, Non-Woven	SY	141,463	
211-B001	Topsoil for Slope Treatment, Contractor Furnished	CY	27,792	
213-C001	Superphosphate	TON	23	
216-A001	Solid Sodding	SY	244	
217-A001	Ditch Liner	SY	3,262	
219-A001	Watering	KGAL	5	
220-A001	Insect Pest Control	ACRE	46	
221-A001	Concrete Paved Ditch	CY	32	
223-A001	Mowing	ACRE	92	
224-A001	Soil Reinforcing Mat	SY	1,769	
225-A001	Grassing	ACRE	46	
225-B001	Agricultural Limestone	TON	138	
225-C001	Mulch, Vegetative Mulch	TON	92	
226-A001	Temporary Grassing	ACRE	46	
234-A001	Temporary Silt Fence	LF	20,300	
234-D001	Inlet Siltation Guard	EA	5	
234-E001	Reset Inlet Siltation Guard	EA	5	
234-F001	Turbidity Barrier	LF	4,650	
237-A002	Wattles, 20"	LF	18,950	
239-A001	Temporary Slope Drains	LF	11,220	
245-A001	Silt Dike	LF	800	
246-B001	Rockbags	EA	8,400	
249-A001	Riprap for Erosion Control	TON	2,300	
249-B001	Remove and Reset Riprap	CY	1,150	
304-B002	Granular Material, Class 3, Group D	TON	37,370	

- ① STA. 412+30; BR. NO. 266.8 (DUAL BRIDGES) CONT. CONCRETE BOX GIRDER SPANS 320' (100'-120'-100')
- ② STA. 455+20; BR. NO. 267.6 (DUAL BRIDGES) 15@40' CONCRETE GIRDER SPANS
- ③ INCLUDES 486.5 CY FOR PIPE CULVERTS AND 33.4 CY FOR BOX CULVERTS
- ④ INCLUDES 400 TON FOR SLOPE DRAIN OUTLETS
- ⑤ QUANTITY INCLUDES 20% INCREASE FROM CALCULATED QUANTITY
- ⑥ INCLUDES REMOVAL BRIDGE END PAVEMENT
- ⑦ REMOVAL OF DETOURS
- ⑧ INCLUDES 86,394 SY PER TYPICAL SECTIONS FOR CRUSHED STONE AND 55,069 SY FOR SAND BLANKET TO BE USED AS DIRECTED BY THE ENGINEER



	
MISSISSIPPI DEPARTMENT OF TRANSPORTATION SUMMARY OF QUANTITIES	
Added Shoulder Paving Quantities WB	Revision by
PROJ NO: BR-0055-04(102) COUNTY: TATE	Working Number SQ-1
FILENAME: SQ Design Team GARVER	Sheet Number 10
Date 03/16/2020	Checked TMB Date MAR.2020

ADDENDUM

STATE	PROJECT NO.
MISS	BR-0055-04(102)

SUMMARY OF QUANTITIES (SHEET 2)

PAY ITEM NO.	PAY ITEM	UNIT	TATE : 107214-301000	
			Prelim	Final
304-F001	3/4" and Down Crushed Stone Base	TON	49,800	
	OR			
304-F002	Size 610 Crushed Stone Base	TON	49,800	
	OR			
304-F003	Size 825B Crushed Stone Base	TON	49,800	
307-C004	6" Soil-Lime-Water Mixing, Class C	SY	36,480	
307-D001	Lime	TON	492	
307-S001	Bituminous Curing Seal	GAL	9,120	
	OR			
308-A001	Cement	TON	309	
308-B003	Soil-Cement-Water Mixing, Optional Mixers, Design Soil	SY	36,480	
308-S001	Bituminous Curing Seal	GAL	9,120	
907-402-A002	Open Graded Friction Course, 9.5-mm Mixture	TON	2,715	
907-402-B001	Bituminous Tack Coat	GAL	6,931	
403-A001	12.5-mm, HT, Asphalt Pavement	TON	6,406	
403-A003	12.5-mm, ST, Asphalt Pavement	TON	4,834	
403-A004	19-mm, HT, Asphalt Pavement	TON	9,651	
403-A006	19-mm, ST, Asphalt Pavement	TON	9,746	
403-A013	9.5-mm, HT, Asphalt Pavement	TON	259	
403-A015	9.5-mm, ST, Asphalt Pavement	TON	1,780	
403-S001	Joint Sealant	MI	6	
405-A001	Stone Matrix Asphalt, 12.5 mm Mixture	TON	6,058	
405-A002	Stone Matrix Asphalt, 9.5 mm Mixture	TON	4,495	
406-A002	Cold Milling of Bituminous Pavement, All Depths	SY	21,523	
406-D001	Fine Milling of Bituminous Pavement, All Depths	SY	60,060	
407-A001	Asphalt for Tack Coat	GAL	20,521	
413-E001	Sawing and Sealing Transverse Joints in Asphalt Pavement	LF	359	
423-A001	Rumble Strips, Ground In	MI	7	
502-A001	Reinforced Cement Concrete Bridge End Pavement	SY	772	
503-C010	Saw Cut, Full Depth	LF	2,173	
907-513-A001	Cracking and Seating Concrete Pavement	SY	18,550	
601-A001	Class "B" Structural Concrete	CY	50	
601-B001	Class "B" Structural Concrete, Minor Structures	CY	20	
601-B002	Class "C" Structural Concrete, Minor Structures	CY	12	
602-A001	Reinforcing Steel	LBS	9,428	
603-ALT003	18" Type A Alternate Pipe	LF	1,444	
603-CA011	18" Reinforced Concrete Pipe, Class III	LF	544	
603-CA026	24" Reinforced Concrete Pipe, Class III	LF	528	
603-CB003	18" Reinforced Concrete End Section	EA	5	
603-CB004	24" Reinforced Concrete End Section	EA	8	
604-B001	Gratings	LBS	2,500	
605-AA001	Geotextile for Subsurface Drainage, Type III	SY	214	
605-O002	4" Perforated Sewer Pipe for Underdrains, SDR 23.5	LF	384	
605-P002	4" Non-perforated Sewer Pipe for Underdrains, SDR 23.5	LF	48	

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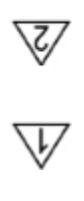
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- ① QUANTITY INCLUDES 20% INCREASE FROM CALCULATED QUANTITY
- ② INCLUDES 0.99 CY FOR JUNCTION BOXES, 0.98 CY FOR TOE WALLS, 3.20 CY FOR PIPE COLLARS, 3.35 CY FOR MEDIAN INLETS, 0.84 CY FOR STANDARD SIGN FOOTINGS AND 10.24 CY FOR DIRECTIONAL SIGN FOOTINGS
- ③ INCLUDES 78 LBS FOR JUNCTION BOXES, 260 LBS FOR MEDIAN INLETS, 6790 LBS FOR BOX CULVERTS AND 2300 LBS FOR DIRECTIONAL SIGN FOOTINGS
- ④ INCLUDES 6.01 CY FOR MEDIAN INLET APRONS AND 5.84 CY FOR EDGE DRAIN OUTLETS



ADD CRACK AND SEAT PAY ITEM NUMBERS	WB	02/25/2020
REVISE PAY ITEMS TO 907	WB	03/16/2020
Added Shoulder Paving Quantities	WB	
Date	Revision	By

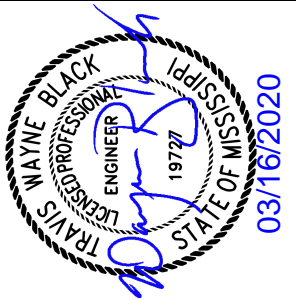
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES

PROJ NO: BR-0055-04(102)
COUNTY: TATE

Working Number
SQ-2

Design Team GARVER Checked TWB Date MAR.2020

Sheet Number
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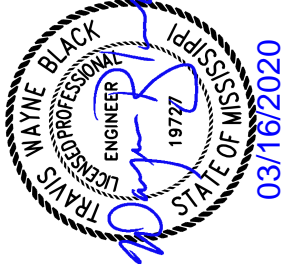
ADDENDUM

STATE	PROJECT NO.
MISS	BR-0055-04(102)

① SEE SHEET TC-7 FOR DETAILS

PAY ITEM NO.	PAY ITEM	UNIT	TATE : 107214-301000	
			Prelim	Final
605-W001	Filter Material for Combination Storm Drain and/or Underdrains, Type A, FM	CY	15	
605-W002	Filter Material for Combination Storm Drain and/or Underdrains, Type B, FM	CY	186	
	OR			
605-W003	Filter Material for Combination Storm Drain and/or Underdrains, Type C, FM	CY	186	
605-X005	Filter Material for Filter Beds, Type C	CY	46,597	
606-B001	Guard Rail, Class A, Type 1	LF	1,400	
606-D022	Guard Rail, Bridge End Section, Type I	EA	8	
606-E005	Guard Rail, Terminal End Section, Flared	EA	8	
607-A002	60" Type "A" Woven Wire Fence, w/ Barbed Wire as Shown	LF	8,998	
607-E001	Barbed Wire Fence, Single Strand	LF	150	
607-G087	Gate, 12' x 52" Aluminum	EA	9	
607-G126	Gate, 3' x 52" Chain Link	EA	4	
607-P1011	Line Post, 7' x 4" Timber	EA	562	
607-P1019	Line Post, 9' x 4" Timber	EA	112	
607-P1022	Line Post, 10' x 1 1/2" Galvanized Steel	EA	2	
607-P1025	Line Post, 10' x 4" Timber	EA	75	
607-P2009	Brace Post, 8' x 6" Timber	EA	116	
607-P2015	Brace Post, 10' x 6" Timber	EA	23	
607-P2019	Brace Post, 12' x 6" Timber	EA	15	
607-P3006	Gate Post, 8' x 6" Timber	EA	13	
607-Z001	Concrete Anchors	EA	185	
610-B001	Cable Barrier Terminal Section	EA	2	
612-A001	Flowable Fill, Excavatable	CY	95	
615-A024	Concrete Bridge End Barrier, 37.5"	LF	160	
617-B001	Permanent Easement Marker	EA	16	
618-A001	Maintenance of Traffic	LS	1	
619-A1001	Temporary Traffic Stripe, Continuous White	MI	14	
619-A1005	Temporary Traffic Stripe, Continuous White, Type 1 Tape	LF	5,222	
619-A2001	Temporary Traffic Stripe, Continuous Yellow	MI	13	
619-A2006	Temporary Traffic Stripe, Continuous Yellow, Type 1 Tape	LF	5,222	
619-A3001	Temporary Traffic Stripe, Skip White	MI	10	
619-A3006	Temporary Traffic Stripe, Skip White, Type 1 Tape	LF	5,222	
619-D1001	Standard Roadside Construction Signs, Less than 10 Square Feet	SF	75	
619-D2001	Standard Roadside Construction Signs, 10 Square Feet or More	SF	960	
619-D4001	Directional Signs	SF	168	
907-619-E3001	Changeable Message Sign	EA	4	
619-F1001	Concrete Median Barrier, Precast	LF	17,617	
619-F2001	Remove and Reset Concrete Median Barrier, Precast	LF	11,398	
619-G4005	Barricades, Type III, Single Faced	LF	72	
619-G5001	Free Standing Plastic Drums	EA	23	
619-G7001	Warning Lights, Type "B"	EA	22	
619-J1004	Impact Attenuator, 60 MPH	EA	4	
619-J2004	Impact Attenuator, 60 MPH, Replacement Package	EA	4	
620-A001	Mobilization	LS	1	

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MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
SUMMARY OF QUANTITIES	
	
Revision	Working Number
	SQ-3
PROJ NO: BR-0055-04(102)	
COUNTY: TATE	
FILENAME: SQ	Sheet Number
Design Team GARVER	12
Checked TMB	Date MAR.2020

ADDENDUM

STATE	PROJECT NO.
MISS	BR-0055-04(102)

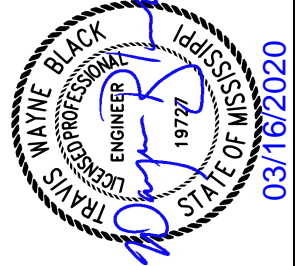
SUMMARY OF QUANTITIES (SHEET 4)

PAY ITEM NO.	PAY ITEM	UNIT	TATE : 107214-301000	
			Prelim	Final
626-A001	6" Thermoplastic Double Drop Traffic Stripe, Skip White	MI	4	4
626-C002	6" Thermoplastic Double Drop Edge Stripe, Continuous White	MI	4	4
626-F001	6" Thermoplastic Double Drop Edge Stripe, Continuous Yellow	MI	4	4
627-K001	Red-Clear Reflective High Performance Raised Markers	EA	318	
630-A001	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness	SF	43	
630-A003	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness	SF	136	
630-B002	Interstate Directional Signs, Bolted Extruded Aluminum Panels, Ground Mounted	SF	527	
630-C002	Steel U-Section Posts, 2.0 lb/ft	LF	33	
630-C003	Steel U-Section Posts, 3.0 lb/ft	LF	183	
630-D005	Structural Steel Beams, W12 x 26	LF	117	
630-D009	Structural Steel Beams, W8 x 18	LF	82	
630-E001	Structural Steel Angles & Bars, 3 1/2" x 3 1/2" x 1/4" Angles	LBS	89	
630-E003	Structural Steel Angles & Bars, 4" x 4" x 5/16" Angles	LBS	129	
630-E004	Structural Steel Angles & Bars, 7/16" x 2 1/2" Flat Bar	LBS	123	
630-F006	Delineators, Guard Rail, White	EA	56	
630-F007	Delineators, Guard Rail, Yellow	EA	56	
630-G003	Type 3 Object Markers, OM-3L, Post Mounted	EA	8	
630-G007	Type 3 Object Markers, OM-3R, Post Mounted	EA	8	
630-K003	Welded & Seamless Steel Pipe Posts, 4"	LF	128	
699-A001	Roadway Construction Stakes	LS	1	
802-C001	Temporary Steel Sheet Piling	SF	59,854	
815-A002	Loose Riprap, Size 100	TON	12,390	
815-A007	Loose Riprap, Size 300	TON	466	
815-E001	Geotextile under Riprap	SY	14,961	
815-F002	Sediment Control Stone	TON	70	

- ① INCLUDES 621 SY FOR PERMANENT DITCH TREATMENT, 985 SY FOR SLOPE TOE BERMS AND 13,355 SY FOR SAND BLANKET
- ② INCLUDES 2996 LF OF BRIDGE STRIPING

- ②
- ②
- ②

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MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
SUMMARY OF QUANTITIES	
	Working Number SQ-4
PROJ NO: BR-0055-04(102) COUNTY: TATE	
Design Team: GARVER	Checked: TMB Date: MAR 2020
FILENAME: SQ	Sheet Number 13

ADDENDUM

DESCRIPTION OF SHEETS	WORKING NO(S).	SHEET NO(S).
DETAILED INDEX (BRIDGE)	DI-BR-1	8001
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I-55 OVER HICKAHALA CREEK	A2	8004
I-55 OVER HICKAHALA CREEK	A3	8005
FOUNDATION PLAN	A4	8006
TRIAL SHAFT AND LOAD TEST DETAILS	A5	8007
END BENT NOS. 1L DETAILS	A6	8008
END BENT NOS. 4L DETAILS	A7	8009
END BENT NOS. 1R DETAILS	A8	8010
END BENT NOS. 4R DETAILS	A9	8011
END BENT DETAILS	A10	8012
INT. BENT NOS. 2 & 3 DETAILS	A11	8013
INT. BENT NOS. 2 & 3 DETAILS	A12	8014
INT. BENT NOS. 2 & 3 DETAILS	A13	8015
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690'-0" CONT. COMP. PLATE GIRDER SPAN DETAILS	A15	8017
690'-0" CONT. COMP. PLATE GIRDER SPAN DETAILS	A16	8018
690'-0" CONT. COMP. PLATE GIRDER SPAN DETAILS	A17	8019
690'-0" CONT. COMP. PLATE GIRDER SPAN DETAILS	A18	8020
690'-0" CONT. COMP. PLATE GIRDER SPAN DETAILS	A19	8021
690'-0" CONT. COMP. PLATE GIRDER SPAN DETAILS	A20	8022
690'-0" CONT. COMP. PLATE GIRDER SPAN DETAILS	A21	8023
690'-0" CONT. COMP. PLATE GIRDER SPAN DETAILS	A22	8024
690'-0" CONT. COMP. PLATE GIRDER SPAN DETAILS	A23	8025
690'-0" CONT. COMP. PLATE GIRDER SPAN DETAILS	A24	8026
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FINGER EXPANSION JOINT DETAILS	A26	8028
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GENERALIZED SOIL PROFILE	A34	8036
GENERALIZED SOIL PROFILE	A35	8037
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DESCRIPTION OF SHEETS	WORKING NO(S).	SHEET NO(S).
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I-55 OVER HICKAHALA CREEK RELIEF	B2	8040
I-55 OVER HICKAHALA CREEK RELIEF	B3	8041
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FOUNDATION PLAN	B5	8043
END BENT NO. 1L & 9R DETAILS	B6	8044
END BENT NO. 1R & 9L DETAILS	B7	8045
END BENT DETAILS	B8	8046
INT. BENT NO. 2-4 & 6-8 DETAILS	B9	8047
INT. BENT NO. 5 DETAILS	B10	8048
INT. BENT DETAILS	B11	8049
30" PIPE PILE DETAILS	B12	8050
SPAN NO. 1 & 8 DETAILS	B13	8051
SPAN NO. 2,3,6,&7 DETAILS	B14	8052
SPAN NO. 4&5 DETAILS	B15	8053
SPAN NO. 1-8 DETAILS	B16	8054
SPAN NO. 1-8 DETAILS	B17	8055
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BEARING PAD DETAILS	B20	8058
3'-0" RAILING DETAILS	B21	8059
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BRIDGE EROSION CONTROL PLANS (BRIDGE B)	ECBR-4	8070
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BRIDGE EROSION CONTROL PLANS (BRIDGE B)	ECBR-6	8072
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BRIDGE DIVISION		
REVISIONS		
DATE	SHEET NO.	BY
2/26/2020	8001	ACB
3/2/2020	8058	ACB
3/16/2020	8003 & 8039	PCC

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

DETAILED INDEX (BRIDGE)

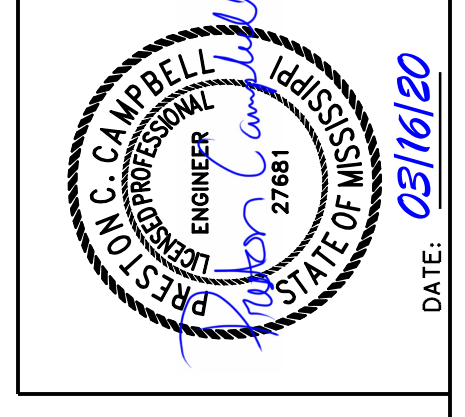
PROJECT 107214/301000
BR-0055-04(102)

TATE COUNTY

WORKING NUMBER
DI-BR-1

SHEET NUMBER
8001

DESIGNER: Jonathan Lewis
CHECKER: Preston Campbell
DATE: 2/26/20
ISSUE DATE: 2/26/20
DETAILER: Jonathan Lewis
DIRECTOR OF STRUCTURES: STATE BRIDGE ENGINEER - JUSTIN WALKER PE
DEPT. DIR. OF STRUCTURES: ASSIST. STATE BRIDGE ENGINEER - SCOTT WESTERFIELD PE



ADDENDUM

ESTIMATED BRIDGE QUANTITIES

ITEM LOCATION	Transverse Grooving	Conventional Static Pile Load Test	HPI 4x89 Steel Piling	PDA Test Pile, HP Steel Pile	Pile Restrike	Drilled Shaft, 96" Diameter	Test Shaft, 96" Diameter	Trial Shaft, 96" Diameter	Exploration	Permanent Casing 96" Diameter	Bridge Concrete, Substructure, Class "AA"	Bridge Concrete, Superstructure, Class "BD"	Reinforcement	Structural Steel, A709, Grade 50W	Disc Bearing Device	Concrete Railings, 36"	Loose Riprap, Size 300	Geotextile Under Riprap
Left Lane	Spans	Each	Lin. Ft.	Each	Each	Lin. Ft.	Each	Lin. Ft.	Lin. Ft.	Lin. Ft.	Cubic Yard	Cubic Yard	Lbs.	Lbs.	Each	Lin. Ft.	Ton	Square Yard
	End Bents Int. Bents	1	3250	2	1	750	360	263.32	60	360	248.80	869.72	236,694	2,139,450	10	6.00	4095.5	2340.3
	Totals	1	3250	2	1	750	360	512.12	60	360	248.80	869.72	310,344	2,139,450	20	1383.67	4095.5	2340.3
Right Lane	Spans	1	3250	2	1	750	360	263.44	60	360	248.80	869.72	236,694	2,139,450	10	6.00	3259.1	1862.3
	End Bents Int. Bents	1	3250	2	1	750	360	512.24	60	360	248.80	869.72	310,344	2,139,450	20	1383.67	3259.1	1862.3
	Totals	1	3250	2	1	750	360	512.24	60	360	248.80	869.72	310,344	2,139,450	20	1383.67	3259.1	1862.3

GENERAL NOTES:

Specifications: Mississippi Standard Specifications For Road And Bridge Construction, 2017.
 No change of plans will be permitted except by written approval of the Director of Structures, State Bridge Engineer. Minor changes in details of design or construction procedure may be authorized by the Director of Structures, State Bridge Engineer, provided such changes will not be cause for contract price adjustment.
 The final surface texture of the bridge deck shall be mechanically transverse grooved in accordance with sections 501 and 907-804 of the specifications. See span details for limits of transverse grooving on bridge deck.
 Bridge concrete shall be Class "AA" or Class "BD" as directed in the plans.
 Railing expansion joint material shall be bituminous fiber type unless otherwise noted.
 No payment will be allowed for excavation incidental to the construction of end bents.
 Bar bending details shall be in accordance with "Manual Of Standard Practice For Detailing Reinforced Concrete Structures" (ACI 315R-94). Reinforcement order lists and required placing plans shall be furnished in accordance with section 805 of the Mississippi Standard Specifications. Partial submittals are not acceptable.
 Shop drawings of steel girders, including an erection plan, shall be submitted in duplicate to the Director of Structures, State Bridge Engineer, for approval prior to the manufacture of the beams.
 Concrete surfaces shall receive a Class 2 rubbed or spray finish in accordance with the specifications.
 Reinforcing steel shall be A.S.T.M. A615, Grade 60, unless otherwise noted. Work for which no pay items are provided in the proposal will not be paid for directly and compensation therefore will be included in the prices and payments for bid items.
 See sheet no. A24 for camber and deflection notes for steel plate girders. All riprap and geotextile fabric at end bents and spur dikes, etc. at the bridge site are included in the bridge quantities.

DRILLED SHAFT NOTES:

The contractor shall notify the State Geotechnical Engineer at least three (3) days in advance of any shaft (trial, anchor or test) construction. See sheet no. A5 for test shaft details.
 Trial shafts shall be constructed as specified in Section 803 of the specifications, prior to construction of any test shafts.
 The trial shaft shall be constructed at locations shown on this sheet, and shall require the use of a temporary casing that shall be the same length as the permanent casing specified for production shafts. The Contractor may reuse this casing in a production shaft.
 For computation of quantities, top of trial shaft shall be elev. 245.0 (approximate ground). Bottom of trial shaft shall be elev. 113.0.
 Trial shaft reinforcing steel shall be identical to the production shaft reinforcing steel as shown on sheet no. A13.
 The length of trial shaft reinforced at the locations and to the lengths shown in the TEST SHAFT SCHEDULE unless otherwise directed by the Director of Structures, State Bridge Engineer, and will be paid for as test shafts only.
 A loading test is required for each test shaft per details on sheet no. A5 and shall be performed as specified in section 803 of the Specifications.
 A draft copy of the load test report shall be submitted to the State Geotechnical Engineer within three (3) days of completion of the load test for each test shaft. The final load test report shall be submitted to the Director of Structures, State Bridge Engineer, within thirty (30) days of the load test.
 The load test shall be performed with a sacrificial permanent casing of length equal to the length specified for production shaft permanent casings.
 For additional test shaft requirements, see notes on sheet no. A5.
 Roller type centralizers are required for construction of all drilled shafts. Under no circumstances shall the pitch of the spiral reinforcement be adjusted to accommodate the installation of the chosen centralizer device.
 The tip elevation and quantities shown for production shafts in these plans are for estimating purposes only and may be raised or lowered depending on the outcome of a load test.
 The required ultimate shaft capacities shown in the REQUIRED ULTIMATE SHAFT CAPACITIES AND TIP ELEVATION SCHEDULE on this sheet includes the LRPD resistance factor for static load test of 0.70.

PILE NOTES:

Test piles shall be driven as permanent piles at the location shown in the PDA TEST PILE SCHEDULE unless otherwise directed by the Director of Structures, State Bridge Engineer 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 tip elevations shown in the PDA TEST PILE SCHEDULE, unless otherwise directed by the Director of Structures, State Bridge Engineer.
 Permanent piles shall be driven to the REQUIRED ULTIMATE PILE CAPACITIES AND TIP ELEVATION SCHEDULE.
 The tip elevation of piling for hydraulic structures, may be determined by the scour line.
 When feasible, bearing piles shall be driven full length and be spliced only as approved by the Director of Structures, State Bridge Engineer.
 Steel for HP steel piling shall be A.S.T.M. A572, Grade 50.
 Welding shall be done by the ELECTRIC ARC process. Welders shall be certified and electrodes shall be approved.
 When loading tests are required, the maximum test load shall be one and one half (1 1/2) times the required ultimate pile bearing capacity.
 PDA test piles shall require a 1 day restrike unless otherwise directed by the Director of Structures, State Bridge Engineer.
 Pile lengths and driving criteria shall be provided based on the results of the PDA test piles.
 The required ultimate pile capacities shown in the REQUIRED ULTIMATE PILE CAPACITIES AND TIP ELEVATION SCHEDULE includes the LRPD resistance factor for PDA of 0.65.
 Steel H-piles shall be driven with a maximum rated energy no less than 55,000 ft-lbs to the tip elevations specified unless the Contractor's Drivability Analysis utilizing the Contractor's selected alternative hammer is approved by the Director of Structures, State Bridge Engineer.
 Pile length and driving criteria shall be provided based on the results of the PDA test piles.
 Pile hammer leads used for all PDA test piles and PDA restrikes shall be large enough to provide a minimum of 3" of clearance on each side of the pile in order to properly place and protect PDA gauges.

DRAINAGE DATA

Drainage Area.....	209 sq. mi.
050 (USGS).....	30,559 cu. ft./s
0100 Floodplain.....	51,900 cu. ft./s
0100 this bridge.....	33,261 cu. ft./s
Effective Area.....	5,528 sq. ft.

DESIGN DATA

Specifications.....	A.A.S.H.T.O. L.R.F.D. 2017
And Current Interims	
HL-93	
42'-0" (Gutter To Gutter)	
Superstructure Concrete.....	Class "BD" (4000 psi)
Substructure Concrete.....	Class "AA" (4000 psi)
Drilled Shaft Concrete.....	Class "DS" (4000 psi)
Seismic Performance Zone.....	2 (S) = 0.20, Fy = 1.68
Site Class.....	B
Operational Class.....	Essential
Structural Steel.....	A57M A709, Grade 50W (Fy = 50ksi)
Stay-In-Place Form Allowance.....	1/8 psf

INFORMATION PLANS

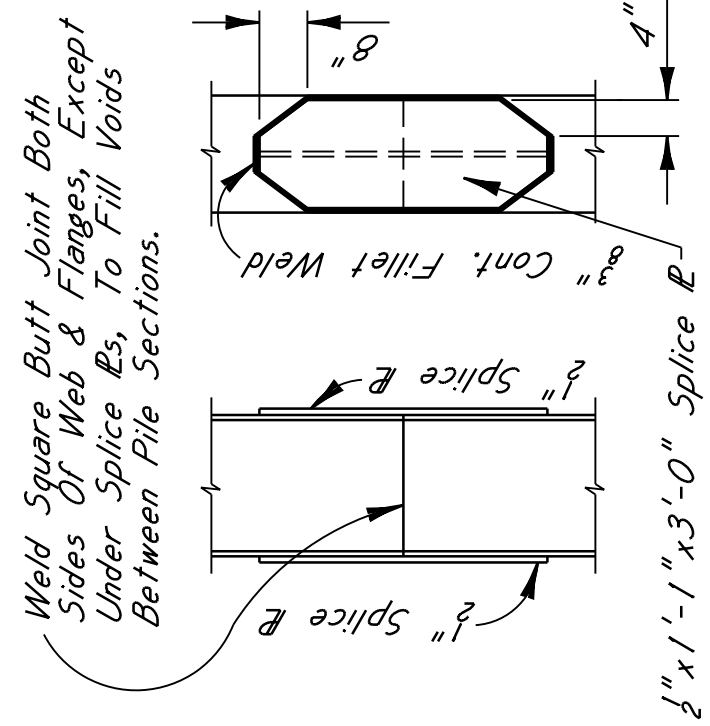
Original Plans
 Project No. I-091-4(3)
 For original bridge plans, see INFORMATION PLANS on sheet nos. 8064 & 8065.
 Additional information on the existing bridge is available for inspection in the bridge division.

DEMOLITION PLAN NOTES:

The Contractor shall submit a demolition plan to the Director of Structures, State Bridge Engineer, for approval. After the demolition plan has been approved, a minimum of fourteen (14) days notice shall be given by the Contractor to the Director of Structures, State Bridge Engineer, prior to beginning demolition of existing bridge. Demolition shall include removal of all superstructure elements and removal of substructure elements to an elevation of two (2) feet below ground line. Payment will be made under pay item 202-A001 Removal of Obstructions (see roadway summary of quantities).

NOTES:

In lieu of splice plates, prefabricated splicers may be used. Prefabricated splicers shall be submitted for approval by the Director of Structures, State Bridge Engineer.
 Splices shall be staggered, vertically a minimum distance of 15'-0" between adjacent piles.



PILE SPLICE DETAIL

REQ. ULT. PILE CAPACITIES AND TIP ELEVATION SCHEDULE

Bent No.	Pile Size	Required Ultimate Bearing (Tons)	Estimated Length (Ft.)	Minimum Tip Elevation
1L/R	HPI 4x89	265	65	221.7
4L/R	HPI 4x89	265	65	221.7

REQUIRED ULTIMATE SHAFT CAPACITIES AND TIP ELEVATION SCHEDULE

Bent No.	Shaft Diameter (In.)	Required Ultimate Compressive Capacity (Tons)	Estimated Length (Ft.)	Minimum Tip Elevation
2L/R	96	2650	125	144.0
3L/R	96	2650	125	144.0

TEST SHAFT SCHEDULE

Station	Location	Shaft Diameter (In.)	Estimated Length (Ft.)	Tip Elevation
411+70	50' Ft. Rt. of I-55 NB	96	107	138.0

For test shaft details, see sheet no. A5.

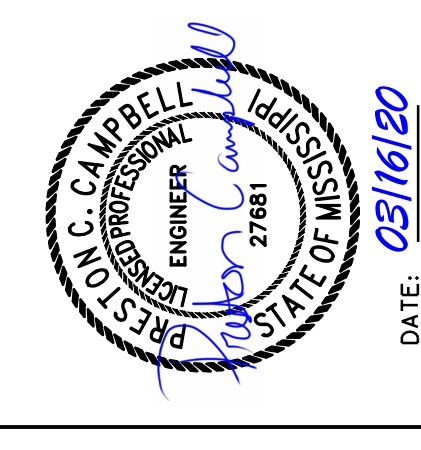
TRIAL SHAFT SCHEDULE

Station	Location	Shaft Diameter (In.)	Estimated Length (Ft.)	Tip Elevation
411+70	of I-55 NB	96	132	113.0

PDA TEST PILE SCHEDULE

Bent No.	Min. Length (Ft.)	Tip Elevation
1L	75	175.7
4L	75	175.2
1R	75	175.3
4R	75	175.7

MISSISSIPPI DEPARTMENT OF TRANSPORTATION BRIDGE @ STA. 411+92.92 LT.LN. BRIDGE @ STA. 410+35.92 RT.LN. I-55 ACROSS HICKAHALA CREEK	
PROJECT	107214/301000
	BR-0055-04(102)
TATE	COUNTY
REMOVED SPECIAL PROVISIONS REQUIRED	REVISED
DATE	ISSUE DATE
DESIGNER DETAILER	CHECKER NICK ALOPANI
DIRECTOR OF STRUCTURES, STATE BRIDGE ENGINEER - JUSTIN WALKER PE DEPT. DR. OF STRUCTURES, ASSIST. STATE BRIDGE ENGINEER - SCOTT WESTERFIELD PE	
WORKING NUMBER	8003
A1 of A36	



DATE: 03/16/20

ADDENDUM

ESTIMATED BRIDGE QUANTITIES

ITEM LOCATION	Transverse Grooving	Conventional Static Loading Test	PDA Test Pile, HP Steel Pile	PDA Test Pile, Steel Restrike	HP 14x89 Steel Piling	30" Steel Pipe Piling Wall Thickness 0.500"	Bridge Concrete, Class AA	Bridge Concrete, Class BDX	100 Ft. Prestressed Concrete Beam, Type FB-36	Reinforcement	Corrosion Resistant Reinforcement	Concrete Railings, 36"	Loose Riprap (Size 300)	Geotextile Under Riprap
Spans	S.Y.	Each	Each	Each	L.F.	L.F.	C.Y.	C.Y.	L.F.	Lbs.	Lbs.	L.F.	Ton	S.Y.
End Bents	3386.93				1700		109.00	1016.88	5560.33	238,338	9084	1604.33	5090.2	1223.0
Int. Bents		1	2	1	1700	3075	223.09			21,823				
Totals	3386.93	2	2	2	1700	3075	332.09	1016.88	5560.33	275,857	9084	1604.33	5090.2	1223.0
Spans	3386.93							1016.88	5560.33	238,338	9084	1604.33	5090.2	1223.0
End Bents		1	2	1	1700	3075	223.09			21,823				
Int. Bents		1	2	1	1700	3075	223.09			21,823				
Totals	3386.93	2	2	2	1700	3075	332.09	1016.88	5560.33	275,857	9084	1604.33	5090.2	1223.0

GENERAL NOTES:

Specifications: Mississippi Standard Specifications For Road And Bridge Construction, 2017.

No change of plans will be permitted except by written approval of the Director of Structures, State Bridge Engineer. Minor changes in details of design or construction procedure may be authorized by the Director of Structures, State Bridge Engineer, provided that changes will not cause for contract price adjustment.

The final surface texture of the bridge deck shall be mechanically transverse grooving in accordance with sections 501 and 907-804 of the specifications. See misc. span details for limits of transverse grooving on bridge deck.

Bridge concrete shall be Class "AA" or "BDX" as directed in the plans. Reinforcing steel shall be bituminous fiber type unless otherwise noted.

No payment will be allowed for excavation incidental to the construction of end bents.

Bar bending details shall be in accordance with "Manual Of Standard Practice for Detailing Reinforced Concrete Structures" (ACI 318R-94). Reinforcement order lists and required placing plans shall be furnished in accordance with section 805 of the Mississippi Standard Specifications. Partial submittals are not acceptable.

Shop drawings of prestressed beams, including an erection plan, shall be submitted in duplicate to the Director of Structures, State Bridge Engineer, for approval prior to the manufacture of the beams.

The fabricator shall provide camber data at release and immediately prior to shipping.

Concrete surfaces shall receive a Class 2 rubbed or spray finish in accordance with the specifications.

Reinforcing steel shall be A.S.T.M. A615, Grade 60, unless otherwise noted. Work for which no pay items are provided in the proposal will not be paid for directly and compensation therefore will be included in the prices and payments for bid items.

See sheet no. B19 for deflection notes for prestressed concrete beams.

All riprap and geotextile fabric at end bents, channel bends, spur dikes, etc. at the bridge site are included in the bridge quantities.

INFORMATION PLANS

Original Plans
Project No. 1-091-4(3)
For original bridge plans, see INFORMATION PLANS on sheet no. 8066.
Additional information on the existing bridge is available for inspection in the bridge division.

PILE NOTES:

Test piles shall be driven as permanent piles at the location shown in the PDA TEST PILE SCHEDULE unless otherwise directed by the Director of Structures, State Bridge Engineer 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 the scour line.

When feasible, bearing piles shall be driven full length and be spliced, only as approved by the Director of Structures, State Bridge Engineer.

Steel for piling shall be A.S.T.M. A572 Grade 50.

Welding shall be done by the ELECTRIC ARC process. Welders shall be certified and electrodes shall be approved.

When loading tests are required, the maximum test load shall be one and one half (1 1/2) times the required ultimate pile bearing capacity.

PDA test piles shall require a 1 day restrike unless otherwise directed by the Director of Structures, State Bridge 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 LRPD resistance factor shown in the table.

Pile hammer leads used for all PDA Test piles and PDA restrikes shall be large enough to provide a minimum of 3" of clearance on each side of the pile in order to properly place and protect PDA gages.

DEMOLITION PLAN NOTES:

The Contractor shall submit a demolition plan to the Director of Structures, State Bridge Engineer, for approval. After the demolition plan has been approved, a minimum of fourteen (14) days notice shall be given by the Contractor to the Director of Structures, State Bridge Engineer, prior to beginning demolition of existing bridge. Demolition shall include removal of all super-structure elements and removal of sub-structure elements to an elevation of two (2) feet below ground line. Payment will be made under pay item 202-AD01 Removal of Obstructions (see roadway summary of quantities). Existing timber piling in conflict with proposed structure shall be removed and paid for under pay item 202-8036 Removal of Bridge Piling (see roadway summary of quantities).

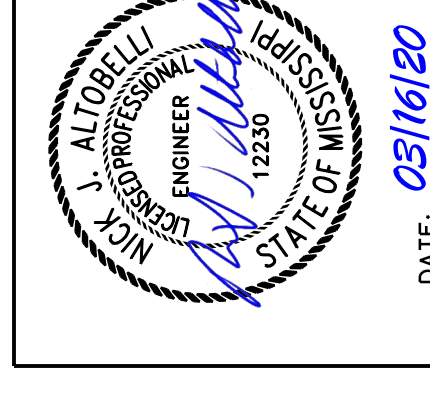
REQ. UL T. PILE CAPACITIES AND TIP ELEVATION SCHEDULE

Bent No.	Pile Size	Required Ultimate Capacity		Required Ultimate Uplift Capacity		Estimated Length (ft.)	Minimum Tip Elevation
		Capacity (Tons)	LRPD Resistance Factor	Capacity (Tons)	LRPD Resistance Factor		
1L/R	HP 14x89	160	0.65	-	-	50	215.0
3L/R	30" x 3/4" SPP	445	0.65	65	0.8	75	180.0
4L/R	30" x 3/4" SPP	445	0.65	65	0.8	75	180.0
5L/R	30" x 3/4" SPP	445	0.65	65	0.8	75	180.0
6L/R	30" x 3/4" SPP	445	0.65	65	0.8	75	180.0
7L/R	30" x 3/4" SPP	445	0.65	65	0.8	90	180.0
8L/R	30" x 3/4" SPP	445	0.65	65	0.8	75	180.0
9L/R	HP 14x89	160	0.65	-	-	50	215.0

PDA TEST PILE SCHEDULE

Bent No.	Min. Length (ft.)	Tip Elevation
1L	60	187.8
3L	95	151.3
7L	110	136.3
9L	60	187.8
1R	60	187.8
3R	95	151.3
7R	110	136.3
9R	60	187.8

Includes an additional 10' of uncoated pile length above planned top of pile



DATE: 03/16/20

STATE	PROJECT NO.
MISS.	BR-0055-04(102)

DESIGN DATA

Specifications.....A.A.S.H.T.O. L.R.F.D. 2017 and current interims

Loading.....16,241 cu ft./s

Roadway Width.....42'-0" (Gutter To Gutter)

Seismic Performance Zone.....Zone 2 (S = 0.20, Fv = 1.68)

Site Class.....B

Operational Class.....Essential

Concrete.....Class "AA" (4000 psi)

Deck Concrete.....Class "BDX" (4500 psi)

Stay-In-Place Form Allowance.....18 psi

DRAINAGE DATA

Drainage Area.....Relief

OSD.....16,241 cu ft./s

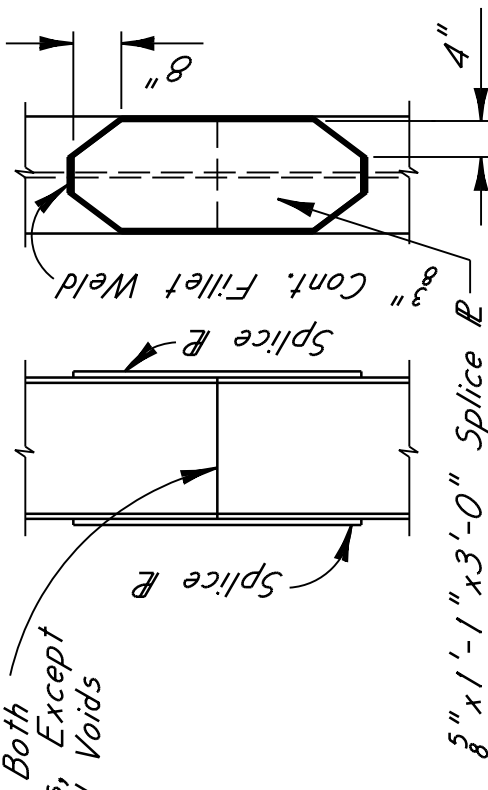
0100 Floodplain.....51,900 cu ft./s

0100 this bridge.....18,639 cu ft./s

Effective Area.....8,828 sq ft.

SPECIAL PROVISIONS REQUIRED

Concrete Bridges and Structures.....No. 907-804-6



NOTES:

In lieu of splice plates, prefabricated splicers may be used. Prefabricated splicers shall be submitted for approval by the Director of Structures, State Bridge Engineer.

Splices shall be staggered vertically a minimum distance of 15'-0" between adjacent piles.

PILE SPLICE DETAIL

BR	REVISIONS	DATE
PC	SPECIAL PROVISIONS REQUIRED	03/16/20

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
BRIDGE @ STA. 454+08.92 LT.LN.
BRIDGE @ STA. 454+08.92 RT.LN.

I-55 ACROSS HICKAHALA CREEK RELIEF

PROJECT 107214/301000
BR-0055-04(102)

TATE COUNTY

WORKING NUMBER: BI of B25
SHEET NUMBER: 8039

CHECKER: Jonathan Lewis, Nick Altorelli
DESIGNER: Jonathan Lewis
DETAILER: Jonathan Lewis
DIRECTOR OF STRUCTURES, STATE BRIDGE ENGINEER - JUSTIN WALKER PE
DEPT. DR. OF STRUCTURES, ASSIST. STATE BRIDGE ENGINEER - SCOTT WESTERFIELD PE