

**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>          </u>	DATED <u>          </u>	ADDENDUM NO. <u>          </u>	DATED <u>          </u>
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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.

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

Respectfully Submitted,

DATE \_\_\_\_\_

\_\_\_\_\_  
Contractor

BY \_\_\_\_\_  
Signature

TITLE \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY, STATE, ZIP \_\_\_\_\_

PHONE \_\_\_\_\_

FAX \_\_\_\_\_

E-MAIL \_\_\_\_\_

(To be filled in if a corporation)

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

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

The following is my (our) itemized proposal.

BR-0055-04(102)/ 107214301000

Tate County(ies)

Revised 01/26/2016

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
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**PROJECT: BR-0055-04(102)/107214301 - Tate**

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

03/05/2020 09:26 AM

# MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-513-1

CODE: (SP)

DATE: 02/27/2020

SUBJECT: Cracking and Seating Concrete Pavement

PROJECT: BR-0055-04(102) / 107214301 -- Tate County

Section 907-513, Cracking and Seating Concrete Pavement, is hereby added and made a part of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction as follows.

## **SECTION 907-513 -- CRACKING AND SEATING CONCRETE PAVEMENT**

**907-513.01--Description.** This work consists of cracking existing concrete pavement and rolling the broken concrete until the surface material is well-seated to create a stable construction platform for an embankment or asphalt pavement overlay.

**907-513.02--Blank.**

**907-513.03--Construction Requirements.**

**907-513.03.1--Cracking and Seating Equipment.** The equipment shall be capable of cracking the concrete pavement using a minimum of 12,000 foot-pounds of energy with a spade or guillotine-type cracker mounted on a vehicle with controlled forward and transverse movement. The pavement shall be cracked full depth, while maintaining aggregate interlock between the pieces. No device shall be used that causes undue displacement of the concrete or damages drainage facilities, utilities, or other property, or destabilizes the base or subgrade.

When applicable, a screen shall be provided to protect vehicles in the adjacent lane from flying chips during the cracking process.

The cracked concrete shall be seated using a minimum 10-ton steel wheel roller. The roller shall also meet the requirements of Subsection 401.03.5.

**907-513.03.2--Preparing the Area.** Existing asphalt patching or overlay shall be removed before cracking the pavement.

**907-513.03.3--Test Section.** The Engineer will designate a 200-foot test section(s) to be used before full production cracking operations begin. The test section(s) shall be cracked using varying energy and striking patterns until a pattern is established that cracks the pavement to the extent required. The established pattern shall be used to crack the remaining pavement as long as the crack pattern meets the specified size requirements. If the production pattern stops producing cracks to the extent required, another test section shall be established to identify a new successful

pattern. Water shall be furnished and applied to dampen the pavement surface after cracking so the extent of breakage can be seen.

**907-513.03.4--Cracking Operations.** Cracking shall be performed one lane at a time to produce pieces approximately 1.2 to 1.8 square feet in area. The greatest dimension of the pieces shall be oriented transverse to the pavement centerline. Cracking shall not be performed within two feet (2') of any transverse joint or other location.

Cracks shall be produced that are continuous without extensive spalling along the crack. Extensive spalling shall be spalling more than one inch (1") deep.

**The Contractor shall take necessary precautions to protect and prevent damage to underground utilities, drainage facilities, bridge approach slabs, and decks.** Any such damages shall be repaired to the satisfaction of the Engineer at no cost to the Department.

Water shall be applied randomly once each day to the surface to verify the specified extent of breakage. The energy or striking pattern shall be adjusted based on these check sections.

**907-513.03.5--Seating Operations.** After cracking, the concrete shall be rolled to seat firmly and lay the cracked pieces to an even surface. Rolling shall continue until the surface material is well-seated and uniformly compacted.

**907-513.04--Method of Measurement.** Cracking and seating concrete pavement will be measured by the square yard using the width of the existing concrete pavement and the centerline length of each roadway.

**907-513.05--Basis of Payment.** Cracking and seating concrete pavement, measured as prescribed above, will be paid for at the contract unit price per square yard, which price shall be full compensation for furnishing all labor, equipment, tools, breaking existing concrete pavement, providing any screening to protect traffic, watering, seating broken pavement, and any incidentals necessary to complete the work.

Payment will be made under:

907-513-A: Cracking and Seating Concrete Pavement

- per square yard

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]
<b>Roadway Items</b>					
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		119,402	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)	5,498	Ton	12.5-mm, HT, Asphalt Pavement
0520	403-A004	(BA1)	8,250	Ton	19-mm, HT, Asphalt Pavement
0530	403-A006	(BA1)	8,301	Ton	19-mm, ST, Asphalt Pavement
0540	403-A013	(BA1)	259	Ton	9.5-mm, HT, Asphalt Pavement
0550	403-S001		6	Mile	Joint Sealant
0560	405-A001	(BA1)	5,106	Ton	Stone Matrix Asphalt, 12.5 mm Mixture
0570	405-A002	(BA1)	3,818	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)	14,706	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
0650	601-A001	(S)	50	Cubic Yard	Class "B" Structural Concrete
0660	601-B001	(S)	20	Cubic Yard	Class "B" Structural Concrete, Minor Structures

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0670	601-B002	(S)	12	Cubic Yard	Class "C" Structural Concrete, Minor Structures
0680	602-A001	(S)	9,428	Pounds	Reinforcing Steel
0690	603-A001	(S)	8	Linear Feet	10" Steel Pipe, Jacked or Bored, Wall Thickness 0.250"
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
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
0830	607-A001		562	Linear Feet	31.5" Type "A" Woven Wire Fence, w/ Barbed Wire as Shown
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
0990	615-A024	(S)	160	Linear Feet	Concrete Bridge End Barrier, 37.5"



Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
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
1320	630-E004		123	Pounds	Structural Steel Angles & Bars, 7/16" x 2 1/2" Flat Bar

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
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]
<b>ALTERNATE GROUP AA NUMBER 1</b>					
1430	304-F001	(GT)	30,400	Ton	3/4" and Down Crushed Stone Base
<b>ALTERNATE GROUP AA NUMBER 2</b>					
1440	304-F002	(GT)	30,400	Ton	Size 610 Crushed Stone Base
<b>ALTERNATE GROUP AA NUMBER 3</b>					
1450	304-F003	(GT)	30,400	Ton	Size 825B Crushed Stone Base
<b>ALTERNATE GROUP BB NUMBER 1</b>					
1460	605-W002	(GY)	186	Cubic Yard	Filter Material for Combination Storm Drain and/or Underdrains, Type B, FM
<b>ALTERNATE GROUP BB NUMBER 2</b>					
1470	605-W003	(GY)	186	Cubic Yard	Filter Material for Combination Storm Drain and/or Underdrains, Type C, FM
<b>Bridge Items</b>					
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
1590	805-C001	(S)	18,168	Pounds	Reinforcement, Corrosion Resistant

<b>Line No.</b>	<b>Item Code</b>	<b>Adj Code</b>	<b>Quantity</b>	<b>Units</b>	<b>Description [Fixed Unit Price]</b>
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)	18,001	Ton	Loose Riprap, Size 300
1650	815-E001	(S)	21,609	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 NO. WK.G. NO. SH. NO.

**DESCRIPTION OF SHEET**

REVISION NO. WK.G. NO. SH. NO.

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

ROADWAY (81)

TITLE SHEET (1)

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DETAILED INDEX  
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GENERAL NOTES

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TYPICAL SECTIONS - I-55  
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ESTIMATED QUANTITIES - DIRECTIONAL SIGNS

PLAN AND PROFILE SHEETS 1:100 (10)

I-55 NB STA. 375+00 TO STA. 406+00  
I-55 SB STA. 375+00 TO STA. 406+00  
DETOUR SOUTH  
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  
I-55 SB STA. 436+00 TO STA. 466+00  
I-55 NB STA. 466+00 TO STA. 491+00  
I-55 SB STA. 466+00 TO STA. 491+00  
DETOUR NORTH

SPECIAL DESIGN - ROADWAY ITEMS (51)

SEQUENCE OF CONSTRUCTION - PHASE 1 - STA. 378+00 TO STA. 403+00  
SEQUENCE OF CONSTRUCTION - PHASE 1 - STA. 403+00 TO STA. 470+00  
SEQUENCE OF CONSTRUCTION - PHASE 1 - STA. 470+00 TO EOP  
SEQUENCE OF CONSTRUCTION - PHASE 2 - STA. 378+00 TO STA. 403+00  
SEQUENCE OF CONSTRUCTION - PHASE 2 - STA. 403+00 TO STA. 470+00  
SEQUENCE OF CONSTRUCTION - PHASE 2 - STA. 470+00 TO EOP  
SEQUENCE OF CONSTRUCTION - PHASE 3 - STA. 378+00 TO STA. 403+00  
SEQUENCE OF CONSTRUCTION - PHASE 3 - STA. 403+00 TO STA. 470+00  
SEQUENCE OF CONSTRUCTION - PHASE 3 - STA. 470+00 TO EOP  
SEQUENCE OF CONSTRUCTION - PHASE 4 - STA. 378+00 TO STA. 403+00  
SEQUENCE OF CONSTRUCTION - PHASE 4 - STA. 403+00 TO STA. 470+00  
SEQUENCE OF CONSTRUCTION - PHASE 4 - STA. 470+00 TO EOP  
CONSTRUCTION SIGNING DETAIL - I-55  
CONSTRUCTION SIGNING DETAIL - I-55  
TRAFFIC CONTROL PLAN - PHASE 1 - STA. 378+00 TO STA. 403+00  
TRAFFIC CONTROL PLAN - PHASE 1 - STA. 403+00 TO STA. 470+00  
TRAFFIC CONTROL PLAN - PHASE 1 - STA. 470+00 TO EOP  
TRAFFIC CONTROL PLAN - PHASE 2 - STA. 378+00 TO STA. 403+00  
TRAFFIC CONTROL PLAN - PHASE 2 - STA. 403+00 TO STA. 470+00  
TRAFFIC CONTROL PLAN - PHASE 2 - STA. 470+00 TO EOP  
TRAFFIC CONTROL PLAN - PHASE 3 - STA. 378+00 TO STA. 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  
TRAFFIC CONTROL PLAN - PHASE 4 - STA. 403+00 TO STA. 470+00  
TRAFFIC CONTROL PLAN - PHASE 4 - STA. 470+00 TO EOP  
EROSION CONTROL PLAN - I-55 NB STA. 375+00 TO STA. 406+00  
EROSION CONTROL PLAN - I-55 SB STA. 375+00 TO STA. 406+00  
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  
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  
EROSION CONTROL PLAN - I-55 NB STA. 466+00 TO STA. 491+00  
EROSION CONTROL PLAN - I-55 SB STA. 466+00 TO STA. 491+00  
EROSION CONTROL PLAN - DETOUR SOUTH  
EROSION CONTROL PLAN - DETOUR NORTH  
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  
EROSION CONTROL PLAN - I-55 SB STA. 466+00 TO STA. 491+00  
EROSION CONTROL PLAN - DETOUR NORTH  
VEGETATION SCHEDULE  
PAVEMENT MARKING DETAIL - B.O.P. TO STA. 400+00  
PAVEMENT MARKING DETAIL - STA. 400+00 TO STA. 430+00  
PAVEMENT MARKING DETAIL - STA. 430+00 TO STA. 460+00  
PAVEMENT MARKING DETAIL - STA. 460+00 TO E.O.P.  
PERMANENT EASEMENT COORDINATES  
SOURCE OF SURVEY CONTROL  
TEMPORARY SHORING WALL - 1  
TEMPORARY SHORING WALL - 2  
TEMPORARY SHORING WALL - 3  
TEMPORARY SHORING WALL - 4  
SPECIAL BRIDGE END SLAB DETAILS  
SANDBLANKET TYPICAL SECTION AND DETAILS

PERMANENT SIGNS (5)

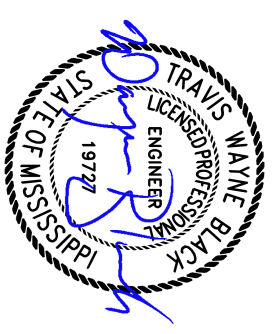
PERMANENT SIGNING PLANS - B.O.P. TO STA. 400+00  
PERMANENT SIGNING PLANS - STA. 400+00 TO STA. 430+00  
PERMANENT SIGNING PLANS - STA. 430+00 TO STA. 460+00  
PERMANENT SIGNING PLANS - STA. 460+00 TO E.O.P.  
PERMANENT SIGNING PLANS - SIGN DETAILS



TRAFFIC  
02/25/2020



BRIDGE  
02/25/2020

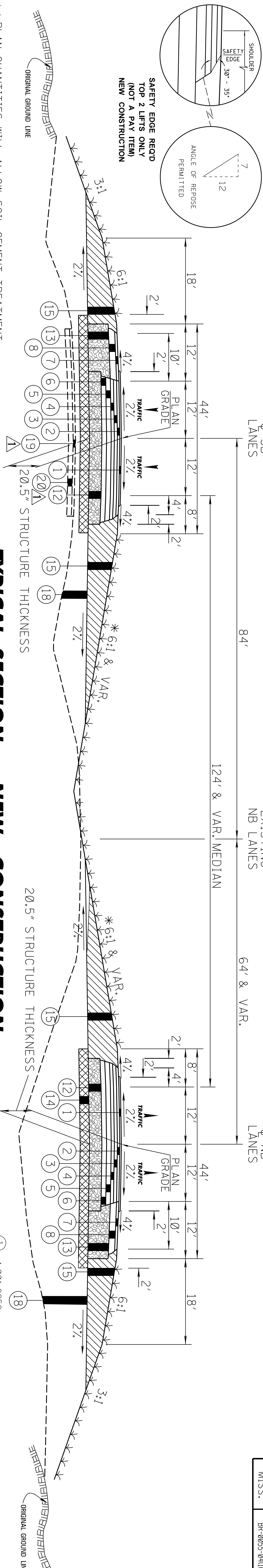
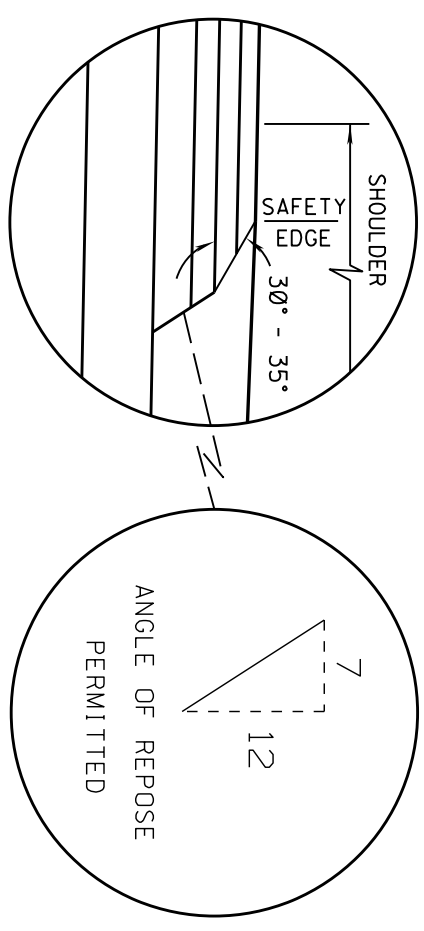


ROADWAY  
02/25/2020

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

DATE	BY	REVISION
<b>MISSISSIPPI DEPARTMENT OF TRANSPORTATION</b>		
<b>DETAILED INDEX</b>		
COUNTY: TATE		
PROJ. NUM.: BR-0055-04(102)		
FILENAME: D1.DGN	WORKING NUMBER	
DESIGN TEAM	GARBER	CHECKED
TWB	DATE	JAN 2020
	SHEET NUMBER	2

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



**TYPICAL SECTION - NEW CONSTRUCTION**

**MAINLINE I-55 NORTHBOUND**  
 STA. 397+99.00 - STA. 471+47.10  
**MAINLINE I-55 SOUTHBOUND**  
 STA. 397+99.00 - STA. 471+47.00

\* PLAN QUANTITIES WILL ALLOW SOIL CEMENT TREATMENT (4% CEMENT) OR LIME FLY ASH TREATMENT (3% LIME, 12% FLY ASH) OF 50% OF THE SUBGRADE AND LIME TREATMENT (6% LIME) OF THE REMAINING 50% OF THE SUBGRADE.

NOTE:  
 THE ABOVE PERCENTAGE FOR ESTIMATING PURPOSES ONLY. THE ACTUAL TREATMENT WILL BE MADE AS DIRECTED DURING CONSTRUCTION.

NOTE:  
 FROM STATION 385+36 TO 397+99 AND 471+47 TO 479+60 WHERE THE DIFFERENCE IN EXISTING AND PROPOSED GRADE (SOUTHBOUND) IS LESS THAN 20.5 INCHES, AND IN TRANSITION AREAS WITHIN HORIZONTAL REALIGNMENTS ADJACENT TO THE EXISTING PAVEMENT, THE EXISTING PAVEMENT WILL BE REMOVED.

FROM STATION 397+99 TO 471+47 WHERE THE DIFFERENCE IN (19) (20) PROPOSED AND EXISTING GRADE (SOUTHBOUND) IS EQUAL OR GREATER THAN 20.5 INCHES, ALL EXISTING ASPHALT PAVEMENT WITHIN THE AREA TO BE RECONSTRUCTED OR RELOCATED WILL BE MILLED. A CRACK AND SEAT OPERATION WILL BE PERFORMED ON THE UNDERLYING CONCRETE PAVEMENT IN THE SOUTHBOUND LANES, PRIOR TO PLACEMENT OF BORROW MATERIAL.

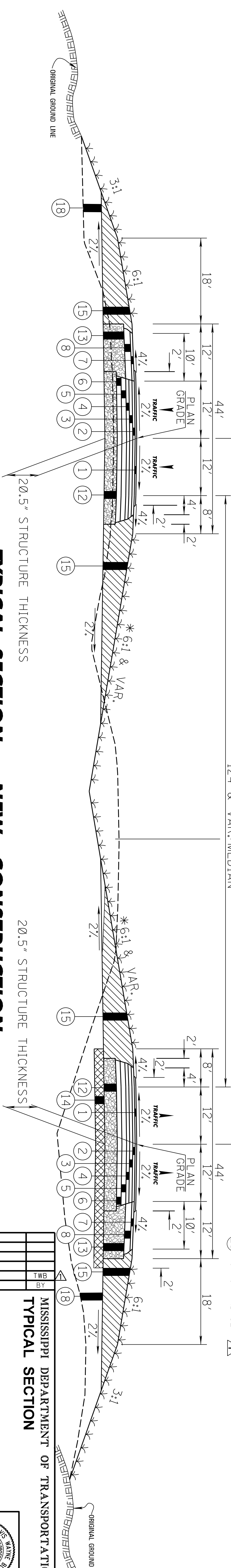
EXISTING EDGE DRAINS WILL REMAIN IN PLACE UNTIL CRACK AND SEAT OPERATION IS COMPLETE.

**\* MEDIAN SLOPE TABLE**

Sheet	Begin Station	Begin Slope	End Station	End Slope
WK3U/R	383+00	6:1	388+00	8:1
	388+00	8:1	390+00	10:1
	390+00	10:1	395+00	6:1
	395+00	6:1	399+00 R2	8:1
	399+00 R2	8:1	401+00 R2	7:1
	401+00 R2	7:1	408+57.35 R2	8:1
	408+57.35 R2	8:1	409+32.35 R2	6:1
	409+32.35 R2	6:1	410+38.10 R2	3:1
	419+90.65 R2	6:1	420+65.65 R2	8:1
	420+65.65 R2	8:1	425+00 R2	6:1
	425+00 R2	6:1	430+00 R2	10:1
	430+00 R2	10:1	435+00 R2	6:1
	435+00 R2	6:1	440+00 R2	10:1

Sheet	Begin Station	Begin Slope	End Station	End Slope
WK5U/R	440+00 R2	10:1	445+00 R2	6:1
	445+00 R2	6:1	450+00 R2	10:1
	450+00 R2	10:1	453+00 R2	6:1
	453+00 R2	6:1	454+10 R2	10:1
	454+10 R2	10:1	462+10 R2	6:1
	462+10 R2	6:1	467+00 R2	10:1
	467+00 R2	10:1	469+50 R2	7:1
	469+50 R2	7:1	472+00 R2	8:1
	472+00 R2	8:1	476+00 R2	6:1
	476+00 R2	6:1	478+00 R2	6:1

- 1 1.00" OGFC
- 2 1.50" SMA (9.5 mm MIXTURE) (1 @ 1.5")
- 3 2.00" SMA (12.5 mm MIXTURE) (1 @ 2")
- 4 2.00" ASPH PAVE, HT (12.5mm MIXTURE) (1 @ 2)
- 5 3.00" ASPH PAVE, HT (19 mm MIXTURE) (1 @ 3)
- 6 3.00" ASPH PAVE, ST (19 mm MIXTURE) (1 @ 3)
- 7 1.50" ASPH PAVE, ST (9.5 mm MIXTURE) (1 @ 1.5)
- 8 4.00" ASPH PAVE, ST (12.5 mm MIXTURE) (2 @ 2)
- 9 NOT USED THIS SHEET
- 10 NOT USED THIS SHEET
- 11 NOT USED THIS SHEET
- 12 8.00" & VAR. CRUSHED STONE W/ GEOTEXTILE TYPE V (NON-WOVEN)
- 13 14.00" & VAR. CRUSHED STONE W/ GEOTEXTILE TYPE V (NON-WOVEN)
- 14 6" CHEMICALLY TREATED SUBGRADE
- 15 19.50" & VAR. SHOULDER GRANULAR (CLASS 3, GROUP D)
- 16 NOT USED THIS SHEET
- 17 NOT USED THIS SHEET
- 18 BORROW EXCAVATION
- 19 MILL ALL ASPHALT PAVEMENT
- 20 CRACK AND SEAT



**TYPICAL SECTION - NEW CONSTRUCTION**

**MAINLINE I-55 NORTHBOUND**  
 STA. 385+00.59 - STA. 397+99.00  
 STA. 471+47.10 - STA. 479+37.53  
**MAINLINE I-55 SOUTHBOUND**  
 STA. 385+00.00 - STA. 397+99.00  
 STA. 471+47.00 - STA. 479+60.00

\* SEE CROSS SECTIONS FOR VARIATIONS IN MEDIAN SLOPE FOR POSITIVE DRAINAGE.

INDICATES AREA TO BE TREATED IN ACCORDANCE WITH THE VEGETATION SCHEDULE. SEE WK. SH. NO. VS-1

DATE	REVISION	BY
02/25/20	LABELLED CRACK & SEAT	TWB
02/29/20		

MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
**TYPICAL SECTION**  
**I-55**  
 COUNTY: TATE  
 PROJ. NO.: BR-0055-04(102)  
 FILENAME: TS.DGN  
 DESIGN TEAM: GARVER  
 CHECKED: TWB  
 DATE: FEB 2020  
 SHEET NUMBER: 8

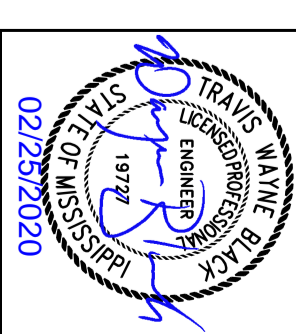
**SUMMARY OF QUANTITIES (SHEET 2)**

PAY ITEM NO.	PAY ITEM	UNIT	TATE : 107214-301000	
			Prelim	Final
304-F001	3/4" and Down Crushed Stone Base	TON	30,400	
	OR			
304-F002	Size 610 Crushed Stone Base	TON	30,400	
	OR			
304-F003	Size 825B Crushed Stone Base	TON	30,400	
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	5,498	
403-A004	19-mm, HT, Asphalt Pavement	TON	8,250	
403-A006	19-mm, ST, Asphalt Pavement	TON	8,301	
403-A013	9.5-mm, HT, Asphalt Pavement	TON	259	
403-S001	Joint Sealant	MI	6	
405-A001	Stone Matrix Asphalt, 12.5 mm Mixture	TON	5,106	
405-A002	Stone Matrix Asphalt, 9.5 mm Mixture	TON	3,818	
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	14,706	
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-AL7003	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	
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	

- 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

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
SUMMARY OF QUANTITIES**

02/25/2020	ADD CRACK AND SEAT PAY ITEM, REVISE PAY ITEMS TO 907 NUMBERS	WB	
Date	Revision	By	
PROJ NO: BR-0055-04(102) COUNTY: TATE FILENAME: SQ Design Team GAVIER Checked TWR Date FEB 2020			
			Working Number SQ-2 Sheet Number 11



**SUMMARY OF QUANTITIES (SHEET 3)**

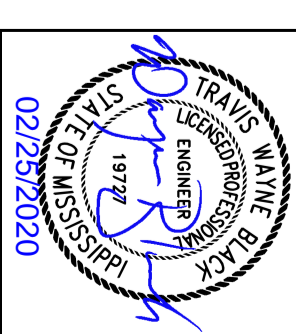
PAY ITEM NO.	PAY ITEM	UNIT	TATE : 107214-301000	
			Prelim	Final
	OR			
605-W003	Filter Material for Combination Storm Drain and/or Underdrains, Type C, FM	CY	186	
605-X005	Filter Material for Filter Beds, Type C	CY	46,597	
606-B001	Guard Rail, Class A, Type 1	LF	1,400	
606-D022	Guard Rail, Bridge End Section, Type 1	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	
626-A001	6" Thermoplastic Double Drop Traffic Stripe, Skip White	MI	4	
626-C002	6" Thermoplastic Double Drop Edge Stripe, Continuous White	MI	4	

①  
①  
①

②

- ① INCLUDES 2996 LF OF BRIDGE STRIPING
- ② SEE SHEET TC-7 FOR DETAILS

<b>MISSISSIPPI DEPARTMENT OF TRANSPORTATION</b>	
<b>SUMMARY OF QUANTITIES</b>	
By	
Revision	
PROJ NO: BR-0055-04(102) COUNTY: TATE	
FILENAME: SQ	Working Number SQ-3
Design Team GAVNER	Checked TMB Date FEB 2020
	Sheet Number 12



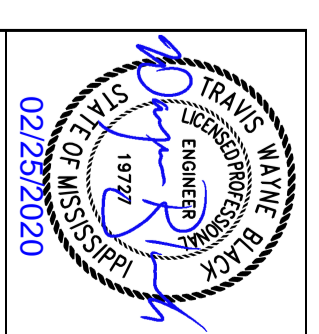
STATE	PROJECT NO.
MISS	BR-0055-04(102)

**SUMMARY OF QUANTITIES (SHEET 4)**

PAY ITEM NO.	PAY ITEM	UNIT	TATE : 107214-301000	
			Prelim	Final
626-F001	6" Thermoplastic Double Drop Edge Stripe, Continuous Yellow	MI	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

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**  
**SUMMARY OF QUANTITIES**



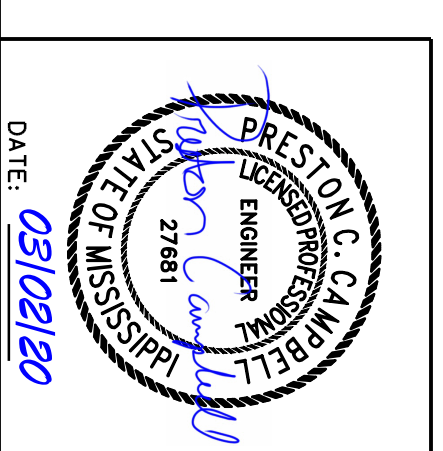
By		
Revision		
Date	PROJ NO: BR-0055-04(102)	Working Number
	COUNTY: TATE	SQ-4
	FILENAME: SQ	Sheet Number
	Design Team GARVER	13
	Checked TWB	Date FEB 2020



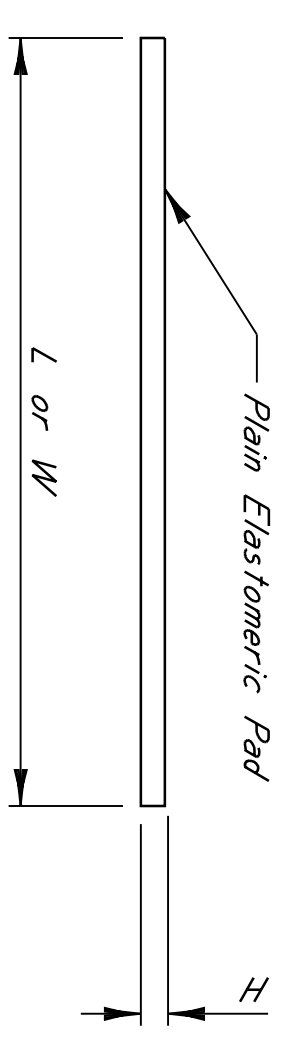
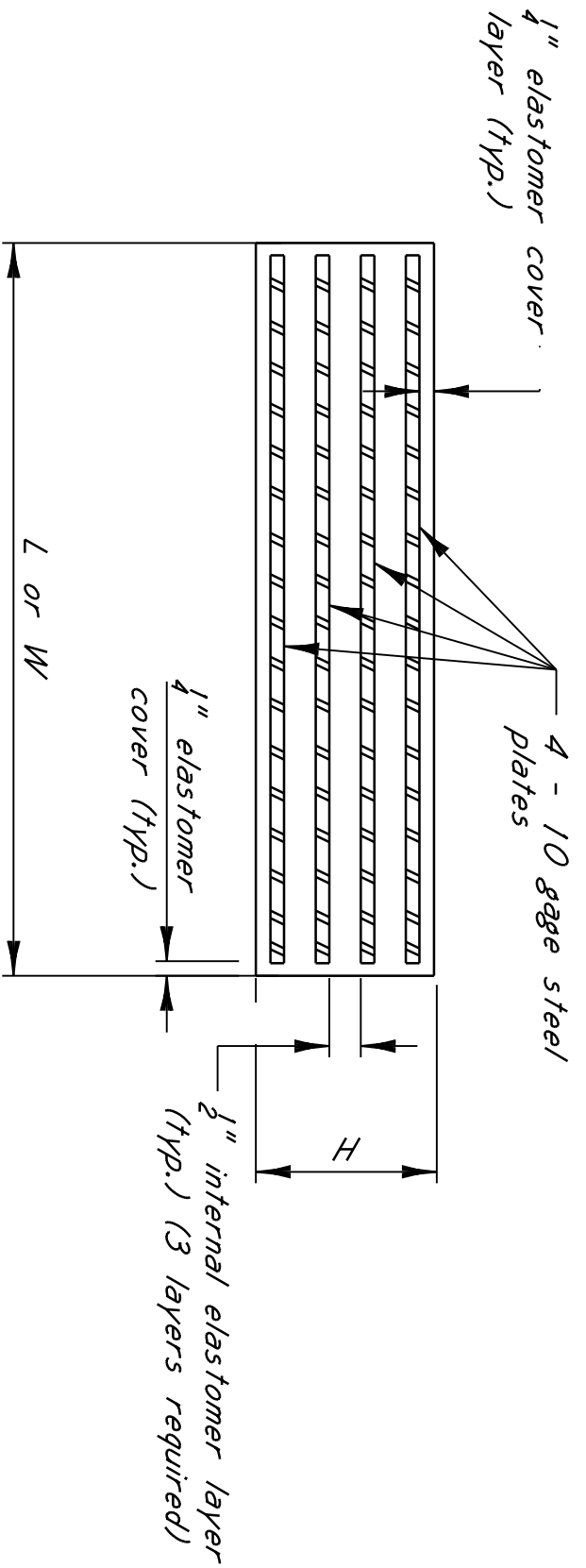
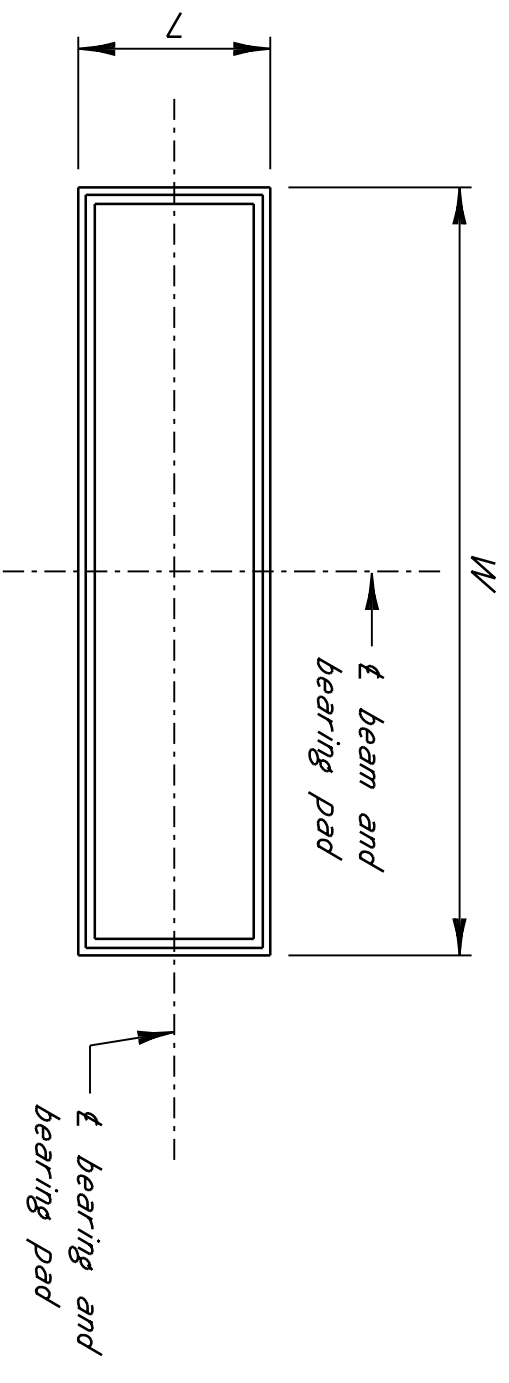
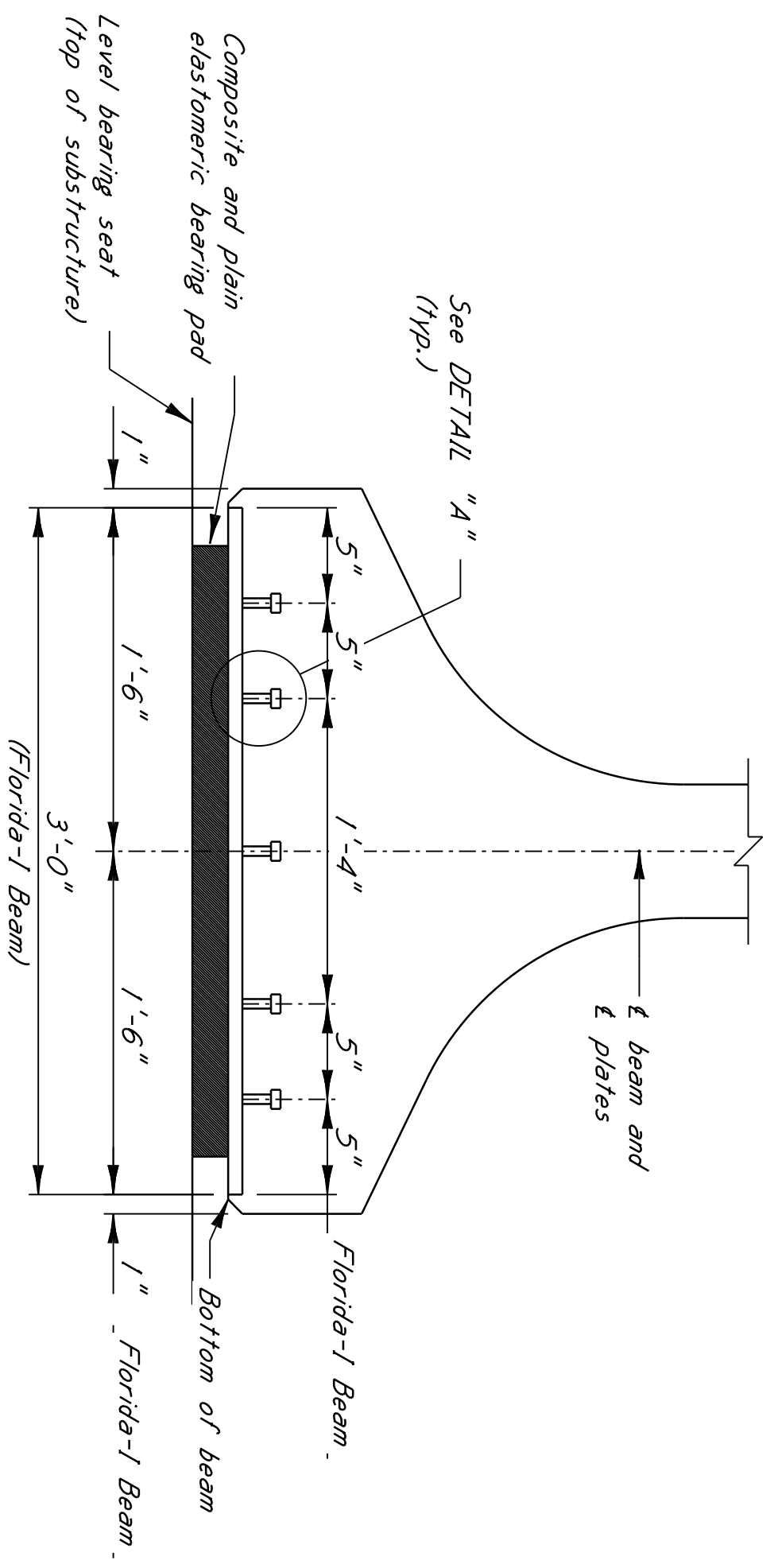
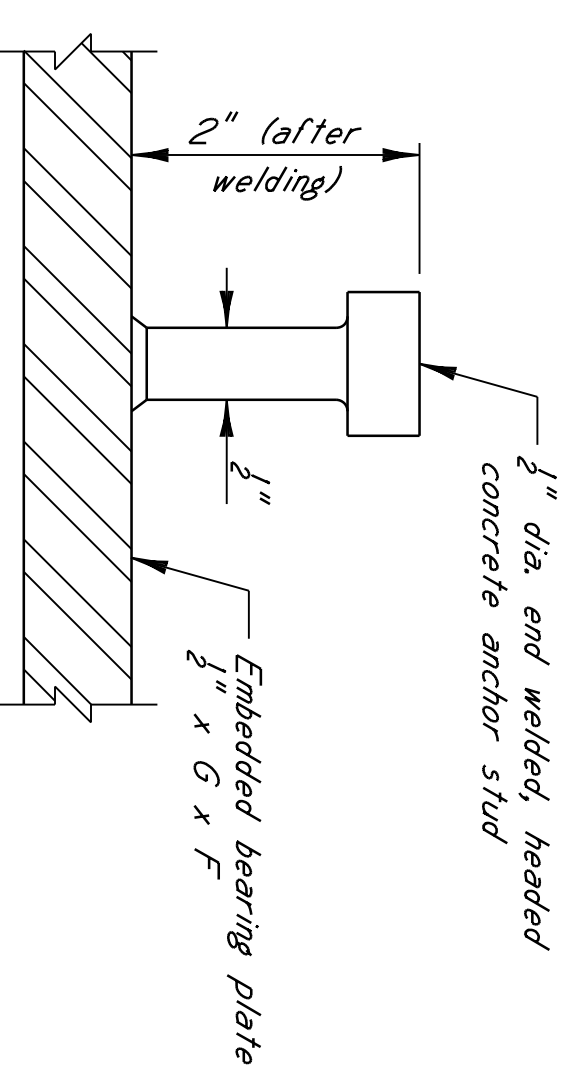
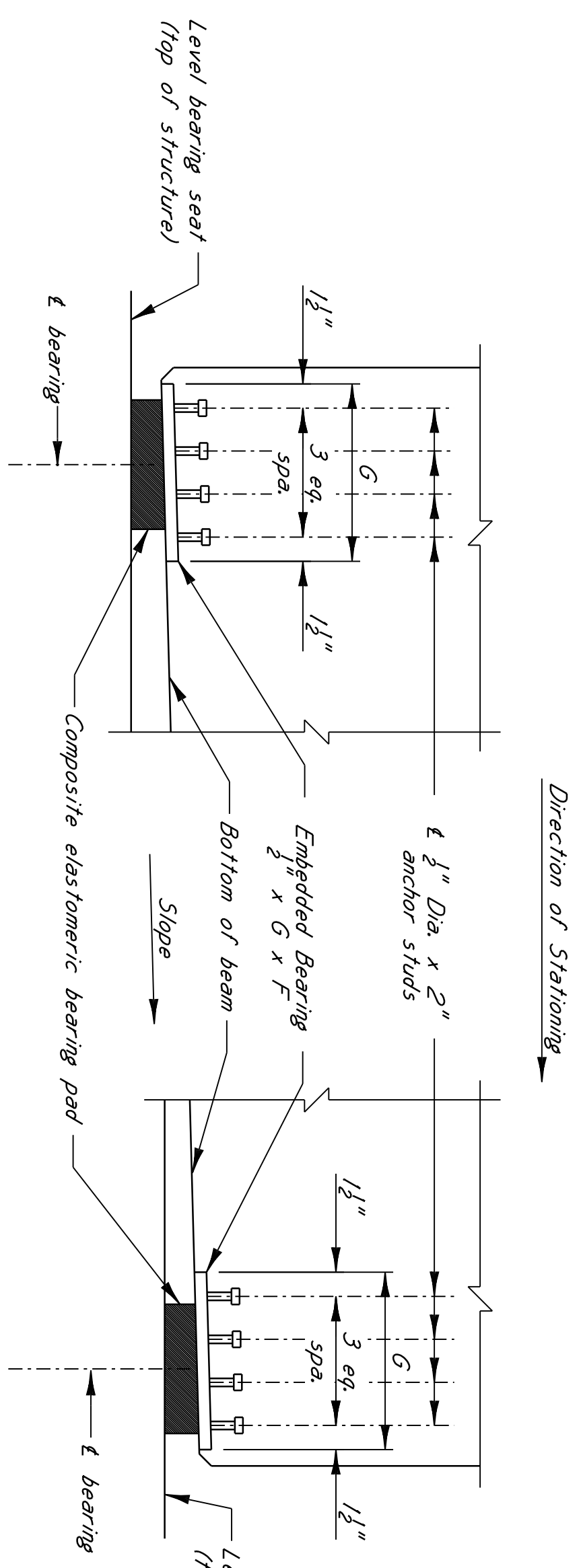
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DESCRIPTION OF SHEETS	WORKING NO(S).	SHEET NO(S).
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BRIDGE DIVISION		
REVISIONS		
DATE	SHEET NO.	BY
2/26/2020	8001	ACB
3/2/2020	8058	ACB

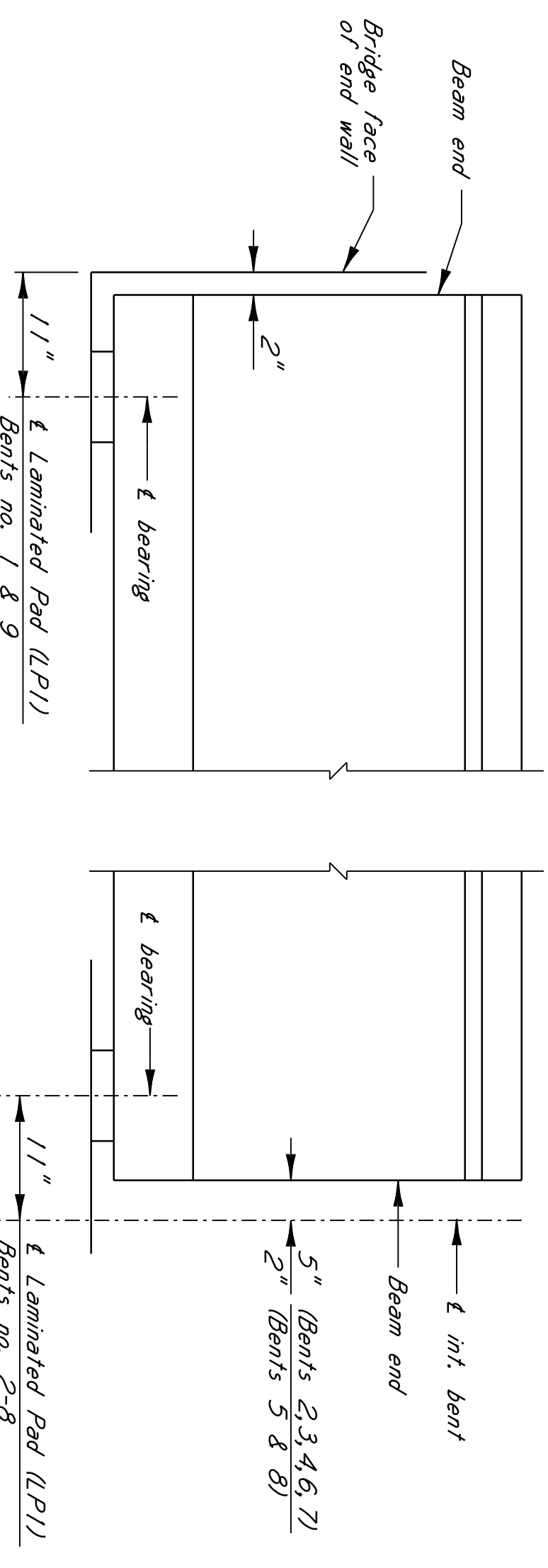
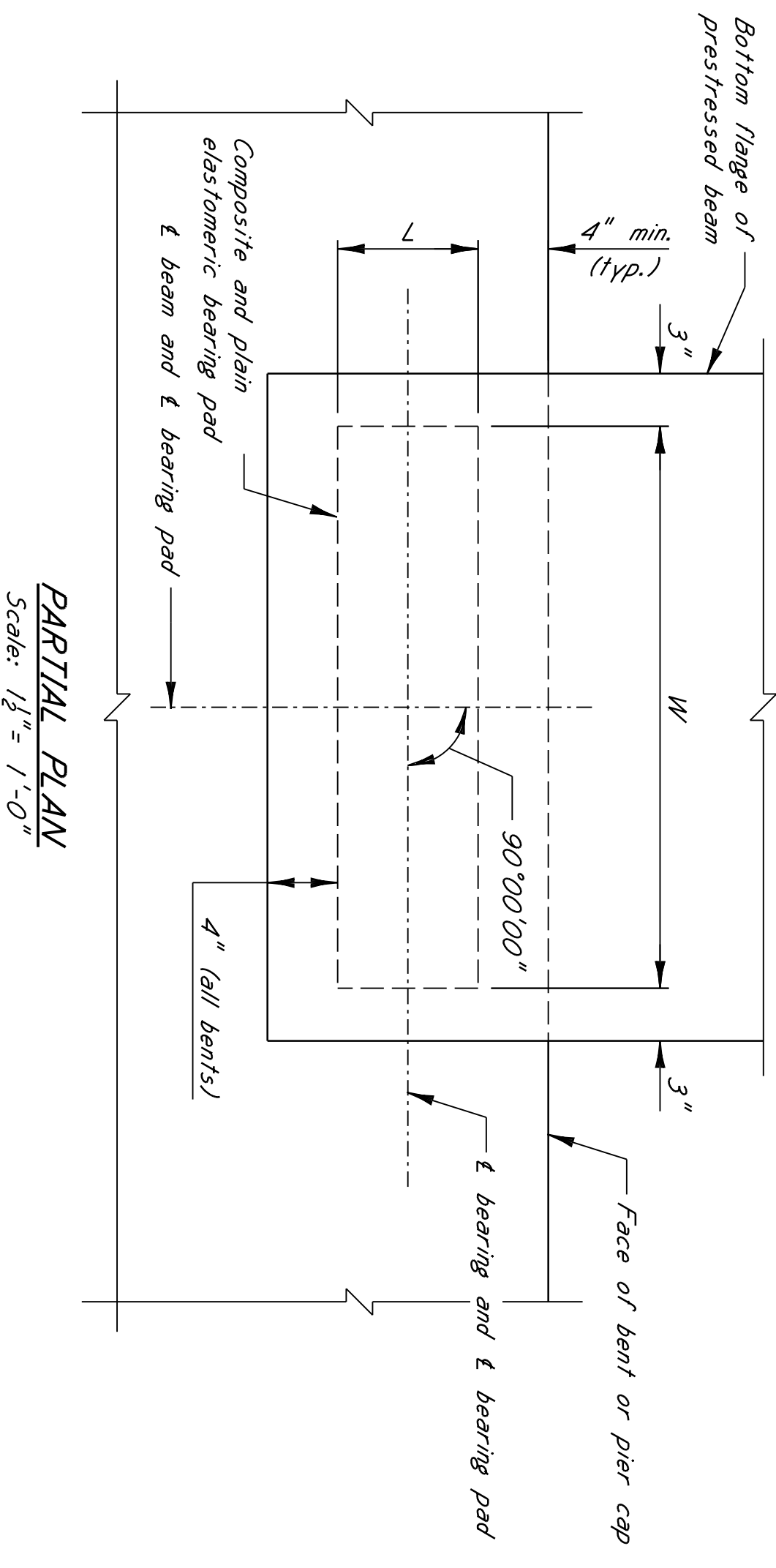


DESIGNER - Jonathan Lewis	CHECKER - Preston Campbell
DATE 03/02/20	ISSUE DATE
DETAILED INDEX UPDATE	
REVISIONS	
DATE	BY
2/26/20	ACB
MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
PROJECT 107214/301000	
BR-0055-04(102)	
TATE	COUNTY
WORKING NUMBER	
DI-BR-1	
SHEET NUMBER	
8001	



Span No. (s)	Bent No. (s)	Pad Type	L	W	H	G	F
No. (s) 1, 4, 5, 8	1, 5, 9	LP1	10"	2'-8"	28"	11"	3'-0"
No. (s) 1-8	2-4 & 6-8	NP1	10"	2'-8"	1"	11"	3'-0"

COMPRESSED NEOPRENE PAD THICKNESS TABLE	
Pad	Compressed Pad Thickness
LP1	2 1/8"
NP1	1 3/8"



**NOTES:**

- All bearing plates shall be hot-dip galvanized in accordance with ASTM A123.
- In no case shall neoprene pads be field cut; bearing area on top of cap shall be cast smooth and true to grade.
- Steel plates in bearing pads shall conform to ASTM A 1011 Grade 36, Type 1.
- Testing acceptance procedure shall be in accordance with section 714.10.6 of the Specifications.
- Elastomer for the laminated neoprene pads shall have a hardness of 50 durometer with a minimum shear modulus of 137 of 0.093 k.s.i. and a maximum shear modulus of 137 of 0.130 k.s.i.
- Elastomer for the plain neoprene pads shall be 70 durometer in accordance with Section 714.10.5 of the Specification. The plain neoprene pad shall have a minimum shear modulus of 0.200 k.s.i. and a maximum shear modulus of 0.300 k.s.i.
- To determine the dimension from the finish grade to cap, the assumption is made that the compressed thickness of the neoprene pad is 1/2" less than the original thickness and that the original camber of the beams will be within the limits shown on the beam detail sheets. The Director of Structures, State Bridge Engineer shall be notified if the camber is not within these limits.

DATE: 03/02/20

DATE	REVISIONS	ACB	BY
3/2/20	NOTE REVISION		

**PROJECT** 107214/301000

**BRIDGE** @ STA. 454+08.92 LT.LN.

**BRIDGE** @ STA. 454+08.92 RT.LN.

**BEARING PAD DETAILS**

DESIGNER Jonathan Lewis	CHECKER Nick Altobelli	WORKING NUMBER B20 of B25
DETAILER Jonathan Lewis	ISSUE DATE	SHEET NUMBER 8058
DIR. OF STRUCTURES, ASSIST. STATE BRIDGE ENGINEER - SCOTT WESTERFIELD PE		