

**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>1/17/2018</u>	ADDENDUM NO.	_____	DATED	_____
ADDENDUM NO.	<u>2</u>	DATED	<u>1/18/2018</u>	ADDENDUM NO.	_____	DATED	_____
ADDENDUM NO.	_____	DATED	_____	ADDENDUM NO.	_____	DATED	_____

Number Description

- 1 Revised Table of Contents; Add NTB No. 506; Add SP 907-803-1; Revised Wage Rates; Revised Bid Items; Amendment EBS Download Required.
- 2 Revised NTB No. 506; Revised or Added Plan Sheet Nos. 8001-8004; Amendment EBS 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-0008-05(037)/ 105344301000

Tallahatchie County(ies)

Revised 01/26/2016

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**

**SECTION 904 -NOTICE TO BIDDERS NO. 506**

**CODE: (SP)**

**DATE: 1/18/2018**

**SUBJECT: Pay Item Correction**

**PROJECT: BR-0008-05(037) / 105344301 – Tallahatchie County**

The Bidder's attention is called to the Summary of Quantities in the Contract Plans.

On Working Sheet SQ-3, Sheet Number 12:

Pay Item 618-E001, Detour Bridge Piling, 4,110 LF was inadvertently omitted from the plans.  
Pay Item 618-F001, Detour Bridge PDA Test Pile, 1 LS, was inadvertently omitted from the plans.

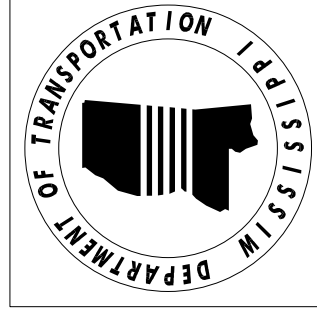
The Bid Sheets are correct.

# ADDENDUM

STATE	PROJECT NO.
MISS.	<b>BR-0008-05(037)</b>

<i>DESCRIPTION OF SHEETS</i>	<i>WORKING NUMBER</i>	<i>SHEET NUMBER</i>
<i>DETAILED INDEX (BRIDGE)</i>	<i>DI-BR-1</i>	<i>8001</i>
<i>SUMMARY OF QUANTITIES (BRIDGE)</i>	<i>SO-BR-1</i>	<i>8002</i>
<i>US 49E ACROSS BLACK BAYOU BRIDGE AT STA. 1105+49.87</i>	<i>1 OF 18</i>	<i>8003</i>
<i>US 49E ACROSS BLACK BAYOU LAYOUT</i>	<i>2 OF 18</i>	<i>8004</i>
<i>US 49E ACROSS BLACK BAYOU FOUNDATION PLAN</i>	<i>3 OF 18</i>	<i>8005</i>
<i>END BENT NO. 1 DETAILS</i>	<i>4 OF 18</i>	<i>8006</i>
<i>END BENT NO. 7 DETAILS</i>	<i>5 OF 18</i>	<i>8007</i>
<i>END BENT DETAILS</i>	<i>6 OF 18</i>	<i>8008</i>
<i>INTERMEDIATE BENTS NO. 2, 3, 5 &amp; 6 DETAILS</i>	<i>7 OF 18</i>	<i>8009</i>
<i>INTERMEDIATE BENT NO. 4 DETAILS</i>	<i>8 OF 18</i>	<i>8010</i>
<i>100 FT. SPANS NO. 1 &amp; 6 DETAILS</i>	<i>9 OF 18</i>	<i>8011</i>
<i>100 FT. SPANS NO. 2 &amp; 5 DETAILS</i>	<i>10 OF 18</i>	<i>8012</i>
<i>100 FT. SPANS NO. 3 &amp; 4 DETAILS</i>	<i>11 OF 18</i>	<i>8013</i>
<i>100 FT. SPAN DETAILS</i>	<i>12 OF 18</i>	<i>8014</i>
<i>MISCELLANEOUS SPAN DETAILS</i>	<i>13 OF 18</i>	<i>8015</i>
<i>100 FT. END BEAM DETAILS, BEAM NO. 100-1 (TYPE BT-5A)</i>	<i>14 OF 18</i>	<i>8016</i>
<i>100 FT. INT. BEAM DETAILS, BEAM NO. 100-2 (TYPE BT-5A)</i>	<i>15 OF 18</i>	<i>8017</i>
<i>100 FT. INT. BEAM DETAILS, BEAM NO. 100-3 (TYPE BT-5A)</i>	<i>16 OF 18</i>	<i>8018</i>
<i>BEVELED BEAM, PAD PLACEMENT AND BEARING PAD DETAILS</i>	<i>17 OF 18</i>	<i>8019</i>
<i>GENERALIZED SOIL PROFILE (PLATE 1)</i>	<i>18 OF 18</i>	<i>8020</i>
<i>GENERALIZED SOIL PROFILE (PLATE 2)</i>	<i>DBA-1</i>	<i>8021</i>
<i>DETOUR BRIDGE AT STA. 106+40.00</i>	<i>EC-BR-1</i>	<i>8022</i>
<i>INFORMATION PLANS</i>	<i>RD-32</i>	<i>8023</i>
<i>EROSION CONTROL PLAN</i>	<i>CP-1</i>	<i>8024</i>
<i>2'-8" RAILING DETAILS</i>		<i>8025</i>
<i>SEISMIC PRESTRESSED CONCRETE PILES</i>		

BRIDGE DIVISION		
REVISIONS		
DATE	SHEET NO.	BY
01-10-18	8002	B. Jones
01-10-18	8003 & 8004	L. Burr



MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
 BRIDGE AT STA. 1105+49.87  
 DETAILED INDEX  
 (BRIDGE)

FMS: **105344 / 301000**  
 COUNTY: **Tallahatchie**  
 PROJECT NUMBER: **BR-0008-05(037)**

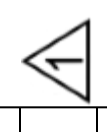
DESIGNER	Lois Burr	CHECKER	Paul Doss
DETAILER	Lois Burr	ISSUE DATE	11-08-2017
DATE		ISSUED BY	
		WORKING NUMBER	DJ-BR-1
		SHEET NUMBER	8001


DEPT. OF TRANSPORTATION, 3851 STATE BRIDGE ENGINEER - SOUTH WASHINGTON, P.E.

# ADDENDUM

STATE	PROJECT NO.
MISS	BR-0008-05(037)

SUMMARY OF QUANTITIES			
PAY ITEM NO.	PAY ITEM	UNIT	QUANTITIES
			PRELIMINARY
BRIDGE SUMMARY			
501-K001	Transverse Grooving	SY	2,400
803-C003	16" x 16" Prestressed Concrete Piling	LF	1,705
803-C004	18" x 18" Prestressed Concrete Piling	LF	3,770
907-803-H001	PDA Test Pile and Conventional Load Test	EA	2
803-I002	PDA Test Pile, Concrete Pile	EA	3
803-J001	Pile Restrike	EA	2
804-A001	Bridge Concrete, Class AA	CY	172
804-A004	Bridge Concrete, Class BD	CY	713
804-C165	100' Prestressed Concrete Beam, Type BT-54	LF	3,577
805-A001	Reinforcement	LBS	223,823
813-A002	Concrete Railing, 32"	LF	1,204
815-A007	Loose Riprap, Size 300	TON	606
815-E001	Geotextile under Riprap	SY	402



 Date: 11-08-2017		MISSISSIPPI DEPARTMENT OF TRANSPORTATION SUMMARY OF QUANTITIES (BRIDGE ITEMS) PROJECT <b>BR-0008-05(037)</b> 105344-301000	WORKING NUMBER <b>SQ-BR-1</b>
TALLAHATCHIE County DESIGNER <u>Barbara Jones, PE</u> CHECKER <u>Trent Wilson, PE</u> DETAILER _____ ISSUE DATE <u>11-08-2017</u>		SHEET NUMBER <b>8002</b>	
01/10/2018 Revised Pay Item No.	B3	By Revision	Date

DIRECTOR OF STRUCTURES, STATE BRIDGE ENGINEER - JUSTIN WALKER, P.E.  
 DEP. DIR. OF STRUCTURES, ASST. STATE BRIDGE ENGINEER - SCOTT WESTERFIELD, P.E.

V.P.C. Sta. 1105+25.00  
Elev. 151.2130

1.2800 %

V.P.C. Sta. 1108+00.00  
Elev. 154.7300

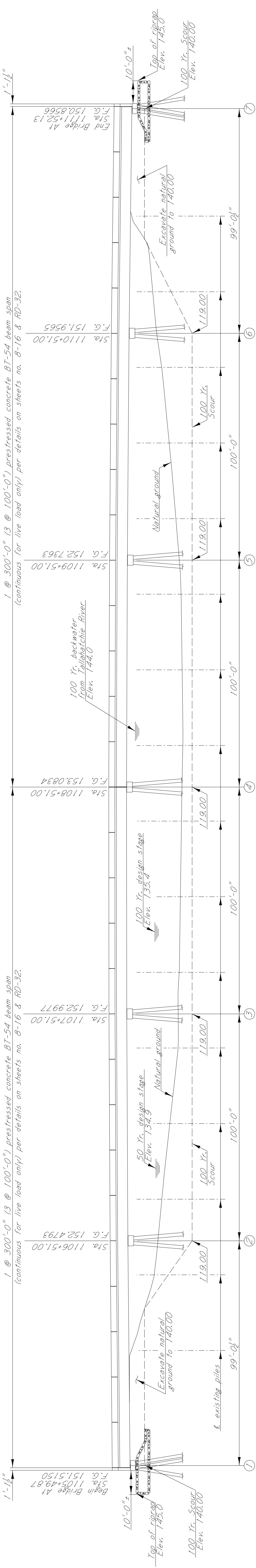
F.G. elev. 153.0938

550' VERTICAL CURVE  
Total length of bridge = 602'-3"

1 @ 300'-0" (3 @ 100'-0") prestressed concrete BT-54 beam span  
(continuous for live load only) per details on sheets no. B-16 & RD-32

1 @ 300'-0" (3 @ 100'-0") prestressed concrete BT-54 beam span  
(continuous for live load only) per details on sheets no. B-16 & RD-32

V.P.C. Sta. 1114+00.00  
Elev. 148.1330



Prest. Conc. pile end bents no. 1 & 7 per details on sheet no. 3-5. Prest. Conc. piles for each end bent.

Prest. Conc. pile int. bents no. 2 thru 6 per details on sheet no. 6, 12 & 18. Prest. Conc. piles for each int bent.

**NOTE:**

The girder deflection diagrams shown in these plans were prepared and intended for design and estimation purposes only. Actual bridge girder deflections may differ from the deflection diagrams shown in these plans. It is the Contractor's responsibility to construct the bridge to meet the requirements of the plans and specifications including, but not limited to, the requirements for bridge deck smoothness. Prior to formwork construction, the Contractor shall submit three (3) copies of a proposed bridge superstructure construction plan to the Director of Structures, State Bridge Engineer, for review, through the Project Engineer. This submission shall include all calculations, assumptions and parameters used by the Contractor to determine bridge girder deflections and form grade elevations. This submission shall also include an erection and construction procedure that addresses the construction means and methodologies used by the Contractor and shall consider effects including, but not limited to, construction phasing, pouring schedules, applied permanent and construction loadings, and shall include calculations and details of temporary girder bracing systems used to ensure girder stability and to counter the effects of girder tilt. After girder erection and prior to deck construction, the Contractor shall submit deck thickness verification calculations for each girder. These calculations shall include a comparison of the erected girder top flange profiles versus the plan deck grade elevations over each girder plus the anticipated girder deflection due to applied permanent dead load and creep. Three (3) copies of the deck thickness verification calculations and any proposed remediation measures to correct for thin deck areas shall be submitted to the Director of Structures, State Bridge Engineer for review, through the Project Engineer. Superstructure construction plan and the deck thickness verification calculations shall be prepared and stamped by a Mississippi Registered Professional Engineer.

**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 detail of design or construction procedure may be authorized by the Director of Structures, State Bridge Engineer provided such changes will not cause for contract price adjustment. The final surface texture of the bridge deck shall be mechanically transverse grooved in accordance with Sections 501 and 804 of the specifications. See Misc. Span Details for limits of transverse grooving on bridge deck. Bridge concrete shall be class "AA" or class "BD" as indicated 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 318-94). Reinforcement order lists and required placing plans shall be furnished in accordance with Section 603 of the Mississippi Standard Specifications. Partial submittals are not acceptable. Prestressed beams, including an erection plan, shall be submitted for approval prior to the manufacture of beams. State Bridge Engineer for approval prior to the manufacture of beams. Concrete surfaces shall receive a Class 2 rubbed or spray finish in accordance with the specifications. Reinforcing steel shall be ASTM A615, Grade 60, unless otherwise noted. Work for which no pay item is provided in the proposal will not be paid for directly and compensation therefor will be included in the prices and payments for bid items. All riprap and geotextile fabric shown on the bridge plans are included in the bridge quantities.

**PILE NOTES:**

Test piles shall be driven as permanent piles at the location shown in the PDA TEST PILE SCHEDULE and will be paid for as test piles. 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. When loading tests are required, the maximum test load shall be one and one half (1 1/2) times the minimum pile bearing capacity. Prestressed concrete piling shall not be driven until the concrete has reached a minimum compressive strength of 5,000 psi and PDA test piles shall require a 1 day and 7 day restrike unless otherwise directed by the Engineer. Pile lengths and driving criteria shall be provided based on the results of the PDA test piles. THE PDA TEST PILE BEARING AND TIP ELEVATION SCHEDULE ULTIMATE PILE BEARING AND TIP ELEVATION SCHEDULE. Pile heads shall be LRPD resistant factor PDA of 0.65. PDA 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. Welding shall be done by the ELECTRIC ARC process. Welders shall be certified and electrodes shall be approved.

**ADDITIONAL PILE NOTES:**

Concrete piles shall be driven with a maximum rated energy no less than 55,000 ft-lbs, and no greater than 80,000 ft-lbs for the concrete piles to reach 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. The static load test will be performed according to ASTM D 1143/D 1143M. The reaction frame must be capable for resisting one and one-half (1.5) times the anticipated failure load of the static load test. Anchor piles shall be no closer than eight (8) feet to the pile being tested. The static load test will be performed no less than seven (7) calendar days following the installation of the last anchor pile. Installation of the test pile(s) shall be monitored with PDA during the initial drive, in addition to, a twenty-four (24) hour restrike following the completion of the static load test.

**REQUIRED ULTIMATE PILE BEARING CAPACITY AND TIP ELEVATION SCHEDULE**

Bent No.	Pile Type	Req'd Bearing (Tons)	Pile Size	Estimated Length - Ft.	Tip Elevation
1	Concrete	101	16"x16"	55	119.0
2	Concrete	145	18"x18"	65	98.5
3	Concrete	145	18"x18"	65	98.5
4	Concrete	145	18"x18"	65	98.5
5	Concrete	145	18"x18"	65	98.5
6	Concrete	145	18"x18"	65	98.5
7	Concrete	101	16"x16"	55	120.0

**500 YR. SCOUR ELEVATION**

Bent no.	Elevation
1	139.0
2 - 6	118.5
7	140.0

**PDA TEST PILE SCHEDULE**

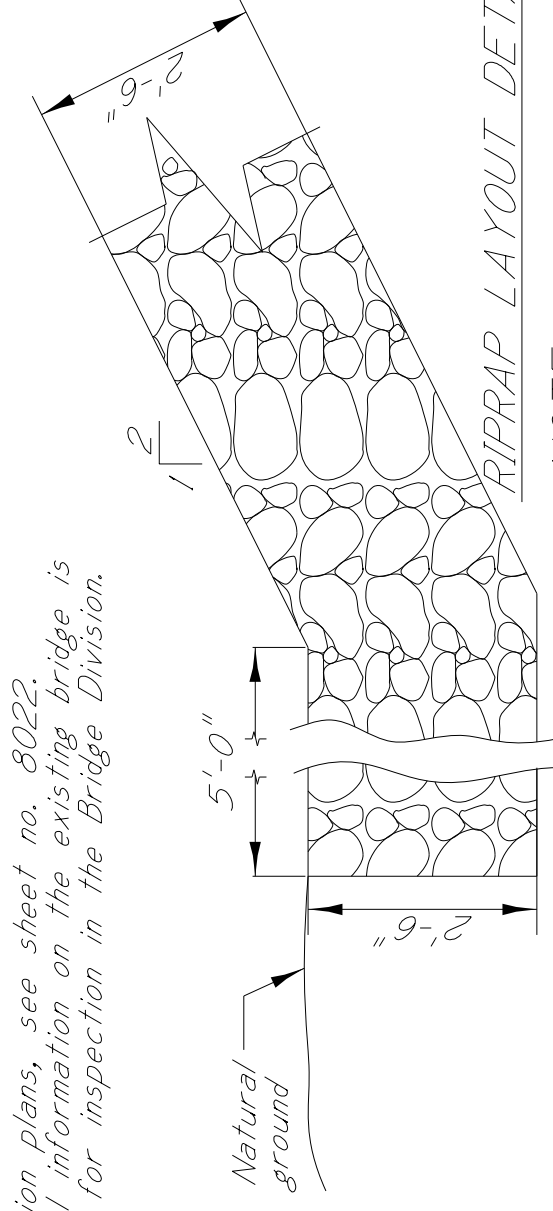
Bent No.	Min. Lpth.-Ft.	Tip Elevation
1	65	79.5
3	75	70.7
6	75	69.8

**ESTIMATED QUANTITIES**

Item	Transverse Grooving	16"x16" Prest. Conc. Piling	18"x18" Prest. Conc. Piling	PDA Test And Conv. Load Test	PDA Test Pile And Conv. Load Test	Class "AA" Concrete	Class "BD" Bridge Concrete	100 Ft. Prest. Conc. Beam BT-54	Reinforce-ment	Concrete Railing	Loose Riprap (300%)	Geotextile Under Riprap
Location	S.Y.	L.F.	L.F.	Each	Each	C.Y.	C.Y.	L.F.	Lbs.	L.F.	Ton	S.Y.
Spans	2,400.0					74.74	713.21	3,577	199,164	1,200.00		
End Bents		1,705.0		2	1	97.57			11,628	4.33	606.0	402.0
Int. Bents			3,770.0	2	1	13,031			223,823	1,204.33	606.0	402.0
Total	2,400.0	1,705.0	3,770.0	2	2	172.31	713.21	3,577	223,823	1,204.33	606.0	402.0

**NOTE:**

For information plans, see sheet no. 8022. For additional information on the existing bridge is available for inspection in the Bridge Division.



**RIPRAP LAYOUT DETAILS**

NOTE:  
300# Riprap  
Geotextile fabric is required under all riprap

**CONV. STATIC LOAD TEST SCHEDULE**

Location	Size	Length (Ft.)
1105+50	16"x16"	40
1105+50	18"x18"	50

MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
BRIDGE AT STA. 1105+49.87  
US 49E ACROSS BLACK BAYOU LAYOUT

FMS: 105344 / 301000  
COUNTY: Tallahatchie  
PROJECT NUMBER: BR-0008-05(037)

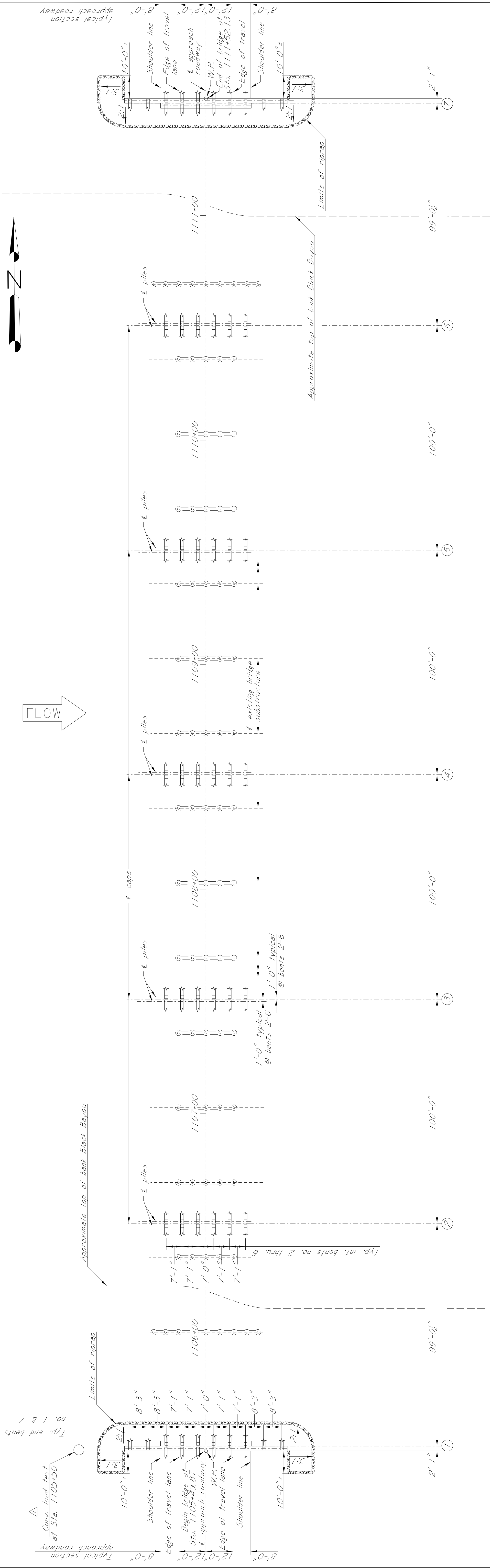
DESIGNER: Lon Burt  
CHECKER: Paul Doss  
DATE: 11-08-2017  
ISSUE DATE: 11-08-2017

WORKING NUMBER: 1 OF 18  
SHEET NUMBER: 8003

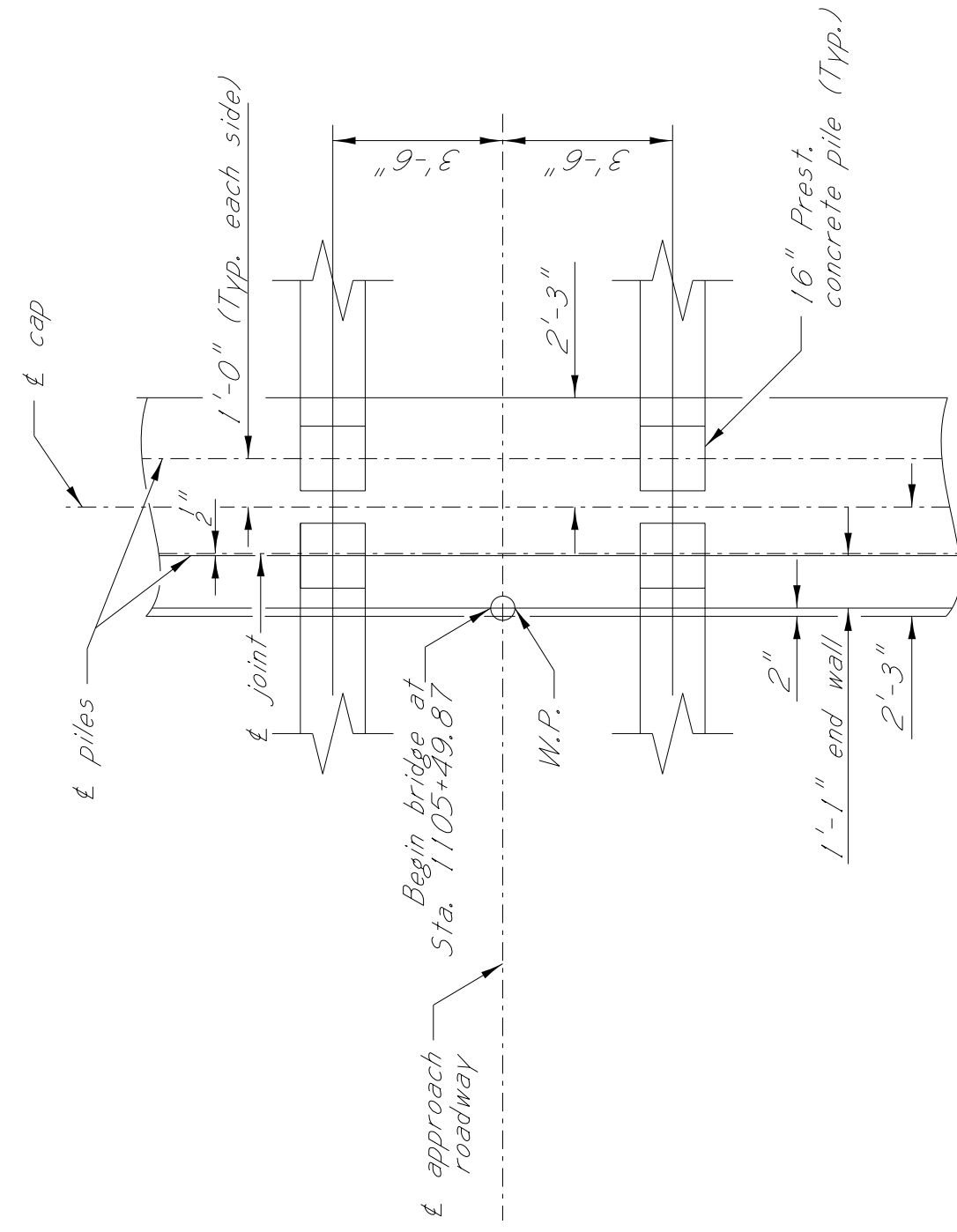


# ADDENDUM

STATE PROJECT NO.  
MISS. BR-0008-05(037)



FOUNDATION PLAN  
Scale: 1" = 20'-0"



NOTE:  
Detail shown for end bent no. 1, end bent no. 7 similar by orientation.



--- Denotes existing substructure.

NOTE:  
Geotextile fabric is required under all riprap. All riprap and geotextile fabric pertaining to the bridge shall be shown in the bridge quantities.

NOTE:  
For general notes, quantities and additional details, see sheet no. 1.

DESIGNED BY	CONTRACT NO.	PROJECT NUMBER	WORKING NUMBER
DATE	BR-0008-05(037)	BR-0008-05(037)	2 OF 18
REVISION	ISSUE DATE	ISSUE DATE	SHEET NUMBER
Added Detail	11-08-2017	11-08-2017	8004



MISSISSIPPI DEPARTMENT OF TRANSPORTATION  
BRIDGE AT STA. 1105+49.87  
US 49E ACROSS BLACK BAYOU  
FOUNDATION PLAN

FMS: 105344 / 301000  
COUNTY: Tallahatchie  
PROJECT NUMBER: BR-0008-05(037)  
DESIGNER: Lon Burt  
CHECKER: Paul Deas  
DATE: 11-08-2017  
ISSUE DATE: 11-08-2017  
ENGINEER: JOHN WALKER  
REGISTERED PROFESSIONAL ENGINEER - CIVIL  
REG. NO. 10000  
STATE ENGINEER - SCOTT WESTERFIELD, P.E.  
REG. NO. 10000