

**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.   1   DATED   7/19/2016   ADDENDUM NO.        DATED         
 ADDENDUM NO.        DATED        ADDENDUM NO.        DATED       

Number	Description
1	Revised or Added Plan Sheet Nos. 8001, 8004, & 8008; Amendment EBS Download Required.

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

Respectfully Submitted,

DATE \_\_\_\_\_

\_\_\_\_\_  
 Contractor

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

TITLE \_\_\_\_\_

ADDRESS \_\_\_\_\_

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

PHONE \_\_\_\_\_

FAX \_\_\_\_\_

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

(To be filled in if a corporation)

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

\_\_\_\_\_  
 President Address

\_\_\_\_\_  
 Secretary Address

\_\_\_\_\_  
 Treasurer Address

The following is my (our) itemized proposal.

EXB-0213-00(003)/ 105275301000

Covington County(ies)

# ADDENDUM

STATE	PROJECT NO.
MISS.	EXB-0213-00(003)

**DESCRIPTION OF SHEETS  
SPECIAL DESIGN SHEETS BRIDGE DRAWING**

**WORKING NUMBER**      **SHEET NUMBER**

DETAILED INDEX (BRIDGE)      DI-BR-1      8001

SUMMARY OF QUANTITIES (BRIDGE)      SO-BR-1      8002

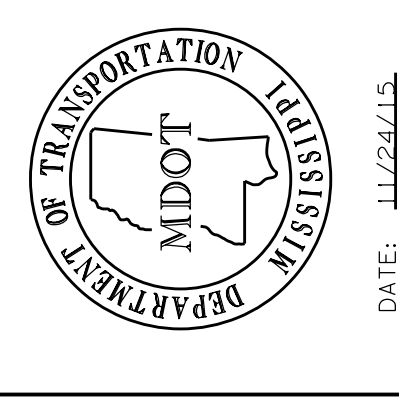
ESTIMATED QUANTITIES (BRIDGE)      EO-BR-1      8003

**ESTIMATED QUANTITIES, GENERAL NOTES & LAYOUT**

**FOUNDATION PLAN**

- END BENT NO. 1 DETAILS      1 OF 21      8004
- END BENT NO. 6 DETAILS      2 OF 21      8005
- END BENT DETAILS      3 OF 21      8006
- INT. BENTS NO. 2 DETAILS      4 OF 21      8007
- INT. BENTS NO. 3 DETAILS      5 OF 21      8008
- INT. BENTS NO. 4 DETAILS      6 OF 21      8009
- INT. BENTS NO. 5 DETAILS      7 OF 21      8010
- 40 FT. SPAN NO. 1 DETAILS      8 OF 21      8011
- 40 FT. SPAN NO. 3, 4, & 5 DETAILS      9 OF 21      8012
- 40 FT. SPAN NO. 2 DETAILS      10 OF 21      8013
- 110 FT. SPAN NO. 2 DETAILS      11 OF 21      8014
- 110 FT. SPAN DETAILS      12 OF 21      8015
- MISCELLANEOUS SPAN DETAILS      13 OF 21      8016
- 40 FT. BEAM DETAILS SPAN 1 (TYPE I+2)      14 OF 21      8017
- 40 FT. BEAM DETAILS SPANS 3 & 5 (TYPE I+2)      15 OF 21      8018
- 40 FT. BEAM DETAILS SPAN 4 (TYPE I+2)      16 OF 21      8019
- 110 FT. BEAM DETAILS SPAN 2 (TYPE IV)      17 OF 21      8020
- FORM GRADE DETAILS      18 OF 21      8021
- GENERALIZED SOIL PROFILE      19 OF 21      8022
- EROSION CONTROL      20 OF 21      8023
- EROSION CONTROL      21 OF 21      8024
- RAILING DETAILS      ECBR-1      8025
- RAILING DETAILS      ECBR-2      8026
- RAILING DETAILS      RD-32      8027

BRIDGE DIVISION		
REVISIONS		
DATE	SHEET NO.	BY
9/24/15	8004 & 8008	KHB

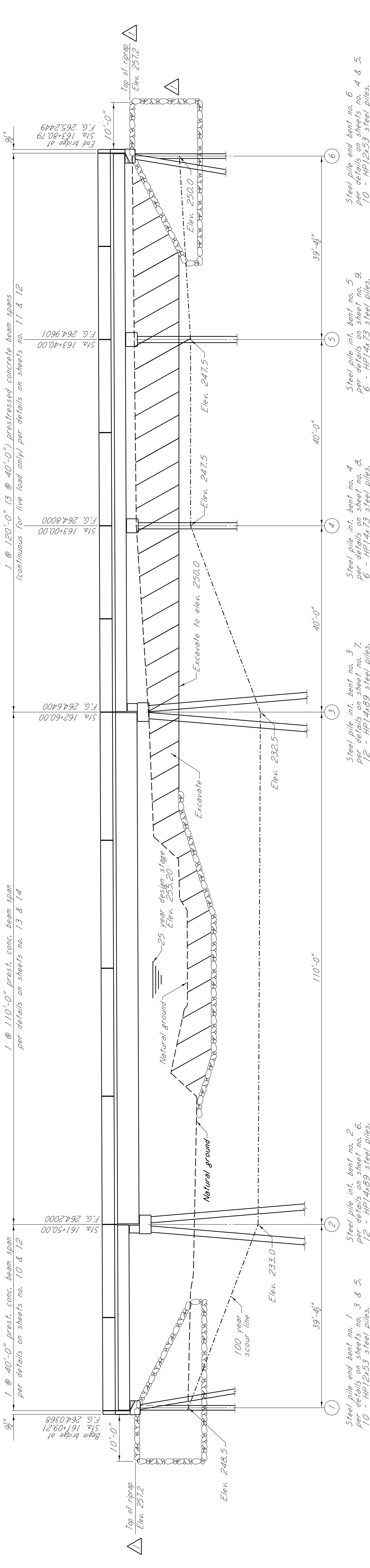


DATE: 11/22/15

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
DETAILED INDEX (BRIDGE)	
PROJECT 105275/301000 EXB-0213-00(003)	WORKING NUMBER DI-BR-1
COVINGTON	COUNTY
DESIGNER: <u>                    </u> DETAILER: <u>                    </u>	CHECKER: <u>                    </u> ISSUE DATE: <u>                    </u>
DATE: <u>                    </u>	SHEET NUMBER: <u>                    </u>
DIRECTOR OF STRUCTURES, STATE BRIDGE ENGINEER - JUSTIN WALKER, P.E. DEPT. DR. OF STRUCTURES, ASST. STATE BRIDGE ENGINEER - SCOTT WESTERFIELD, PE.	

V.P.C. sta. 163+38.966  
V.P.C. elev. 264.9560  
V.P.I. sta. 165+13.966  
V.P.I. elev. 265.6559

**350 FT. VERTICAL CURVE**  
Total length of bridge = 271'-7"



V.P.T. sta. 160+00.00  
V.P.T. elev. 263.6000

1 @ 40'-0" prest. conc. beam span per details on sheets no. 10 & 12  
1 @ 110'-0" prest. conc. beam span per details on sheets no. 13 & 14  
1 @ 120'-0" (3 @ 40'-0") prestressed concrete beam spans (continuous for live load only) per details on sheets no. 11 & 12

Sta. 163+40.00  
F.G. 264.9601

Sta. 163+00.00  
F.G. 264.8000

Sta. 162+60.00  
F.G. 264.6400

Sta. 161+50.00  
F.G. 264.2000

Sta. 161+08.21  
F.G. 264.0368

Steel pile end bent no. 1 per details on sheets no. 3 & 5.  
10 - HP12x53 steel piles.

Steel pile int. bent no. 3 per details on sheet no. 7.  
12 - HP14x89 steel piles.

Steel pile int. bent no. 4 per details on sheet no. 8.  
6 - HP14x73 steel piles.

Steel pile int. bent no. 5 per details on sheet no. 4 & 5.  
10 - HP12x53 steel piles.

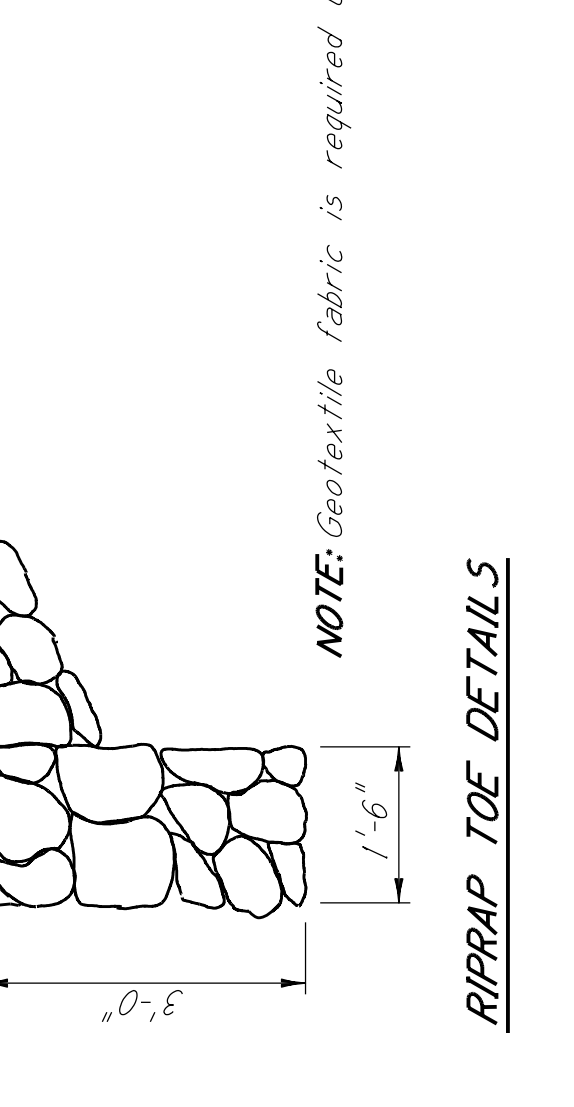
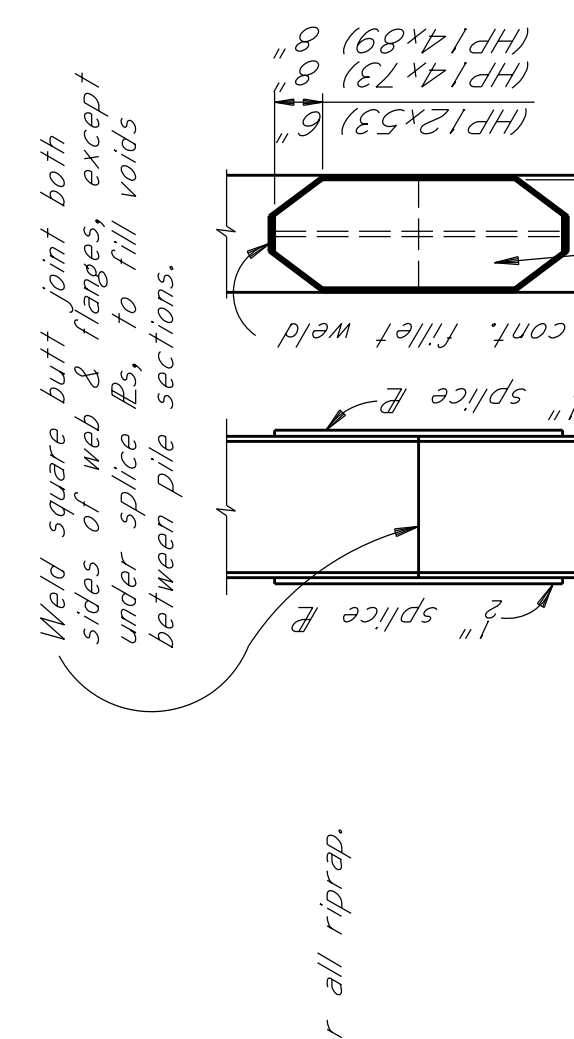
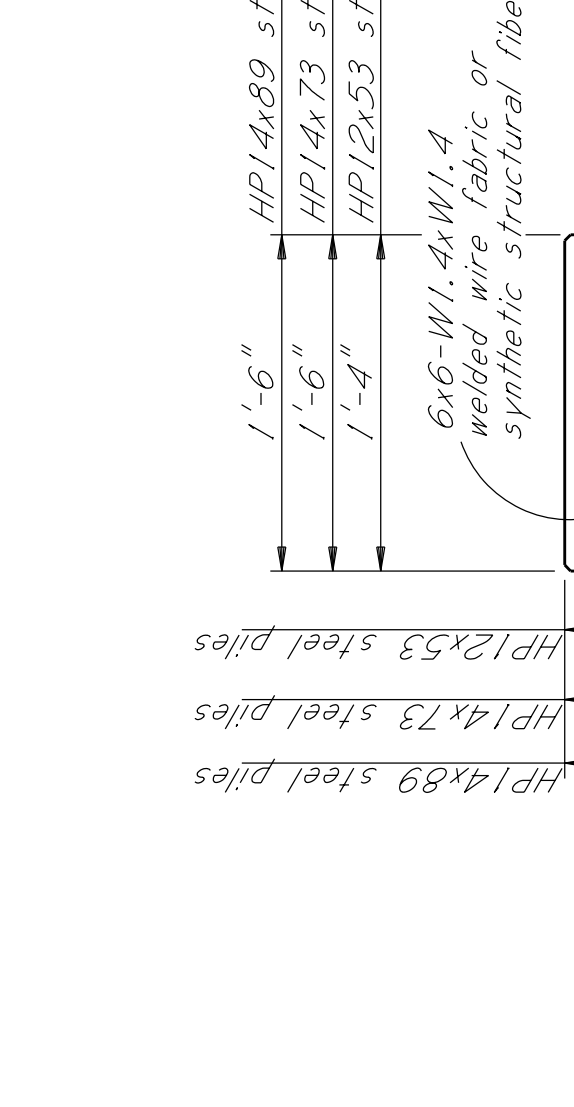
Steel pile end bent no. 2 per details on sheet no. 6.  
12 - HP14x89 steel piles.

Steel pile end bent no. 1 per details on sheets no. 3 & 5.  
10 - HP12x53 steel piles.

**ELEVATION WITH PROFILE ALONG & APPROACH ROADWAY**  
Scale 1" = 10'-0"

**GENERAL NOTES:**  
Specifications: Mississippi Standard Specifications for Road and Bridge Construction, 2004.  
No change of plans will be permitted except by written approval of the Director of Structures, State Bridge Engineer.  
Minor changes in detail of design or construction procedure may be authorized by the Director of Structures, State Bridge Engineer, provided such changes will not cause for contract price adjustment.  
The final surface texture of the bridge deck shall be mechanically transverse grooved in accordance with Sections 301 and 804 of the specifications. See Misc. Span Details for limits of transverse grooving on bridge deck.  
Bridge concrete shall be class "AA".  
The bridge deck concrete will require a waterproofing admixture in accordance with Special Provision 907-7.13, Addendum to Concrete. Railings on 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 Structures" (ACI 318-94).  
Reinforcement order lists and required placing plans shall be furnished in accordance with Section 805 of the Mississippi Standard Specifications. Partial submittals are not acceptable.  
Shop drawings of prestressed beams, including an erection plan, shall be submitted in duplicate to the Director of Structures, State Bridge Engineer for approval prior to the manufacture of beams.  
Concrete surfaces shall receive a Class 2 rubbed or spray finish in accordance with the specifications.  
Reinforcing steel shall be ASTM A615, Grade 60, unless otherwise noted.  
Work for which no pay item is provided in the proposal will not be paid for directly and compensation 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 at permanent piles at the location shown in the PDA TEST PILE SCHEDULE and will be paid for as test piles only.  
The Director of Structures, State Bridge Engineer may authorize test piles driven outside the structural limits.  
Test piles shall be driven to a minimum depth as 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.  
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 minimum pile bearing capacity.  
PDA Test piles shall require a 1 day and 7 day restrike unless otherwise directed by the Engineer.  
Pile lengths and driving criteria shall be provided based on the results of the PDA Test piles.  
The required ultimate pile bearing shown in the REQUIRED ULTIMATE PILE BEARING AND TIP ELEVATION SCHEDULE includes the LRPD resistance factor for PDA of 0.65.  
Pile hammer resistances 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 place PDA cages.  
Steel HP section piles shall be driven with a maximum rated energy no less than 65,000 ft-lbs, to the tip elevations specified unless the Contractor's Drivability Analysis Utilizing the Contractor's selected ultimate hammer is approved by the Director of Structures, State Bridge Engineer.



**PILE ENCASEMENT DETAIL**  
HP12x53 steel piles  
HP14x73 steel piles  
HP14x89 steel piles  
Concrete encasement  
Steel pile  
Concrete encasement  
6x6-W1.4xW1.4 welded wire fabric or synthetic structural fibers

**PILE SPLICING DETAIL**  
HP12x53 steel piles  
HP14x73 steel piles  
HP14x89 steel piles  
3/8" cont. fillet weld  
3/8" x 1'-1" x 3'-0" splice plate (HP12x53)  
3/8" x 1'-1" x 3'-0" splice plate (HP14x73)  
3/8" x 1'-1" x 3'-0" splice plate (HP14x89)

**TEST PILE SCHEDULE**

Bent No.	Min. Lgth.-Ft.	Tip Elevation
1	55	204.7
3	80	177.8
6	45	215.9

**500 Yr. Scour Evaluations**

Bent	Elevation
1	247.5
2	233.0
3	232.5
4	247.5
5	247.5
6	250.0

**MINIMUM PILE BEARING CAPACITY AND TIP ELEVATION SCHEDULE**

Bent No.	Req'd. Bearing (Tons)	Steel Piling	Estimated Length	Tip Elevation
1	122.89	HP 12x53	45	227.5
2	250.00	HP 14x89	70	213.0
3	250.00	HP 14x89	70	212.5
4	163.03	HP 14x73	60	227.5
5	163.03	HP 14x73	60	227.5
6	122.89	HP 12x53	35	230.0

**DRAINAGE DATA:**  
Drainage Area: 11.0 sq. mi.  
Total Q25 (U.S.G.S.): 3,560 c.f.s.  
Effective Area: 1,769.34 sq. ft.

**DESIGN DATA:**  
Specifications: A.A.S.H.T.O., LRFD 2014  
Roadway width: 44'-0" Gutter to gutter  
Concrete: Class "AA" (4,000 p.s.f.)  
S.P.P. forms: 18 lbs./ft<sup>2</sup> (between flanges)  
Seismic Performance Zone: C  
Seismic Soil Site Class: C  
Seismic Operational Class: Other

**TEST PILE SCHEDULE**

Bent No.	Min. Lgth.-Ft.	Tip Elevation
1	55	204.7
3	80	177.8
6	45	215.9

**500 Yr. Scour Evaluations**

Bent	Elevation
1	247.5
2	233.0
3	232.5
4	247.5
5	247.5
6	250.0

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4	163.03	HP 14x73	60	227.5
5	163.03	HP 14x73	60	227.5
6	122.89	HP 12x53	35	230.0

**ESTIMATED QUANTITIES**

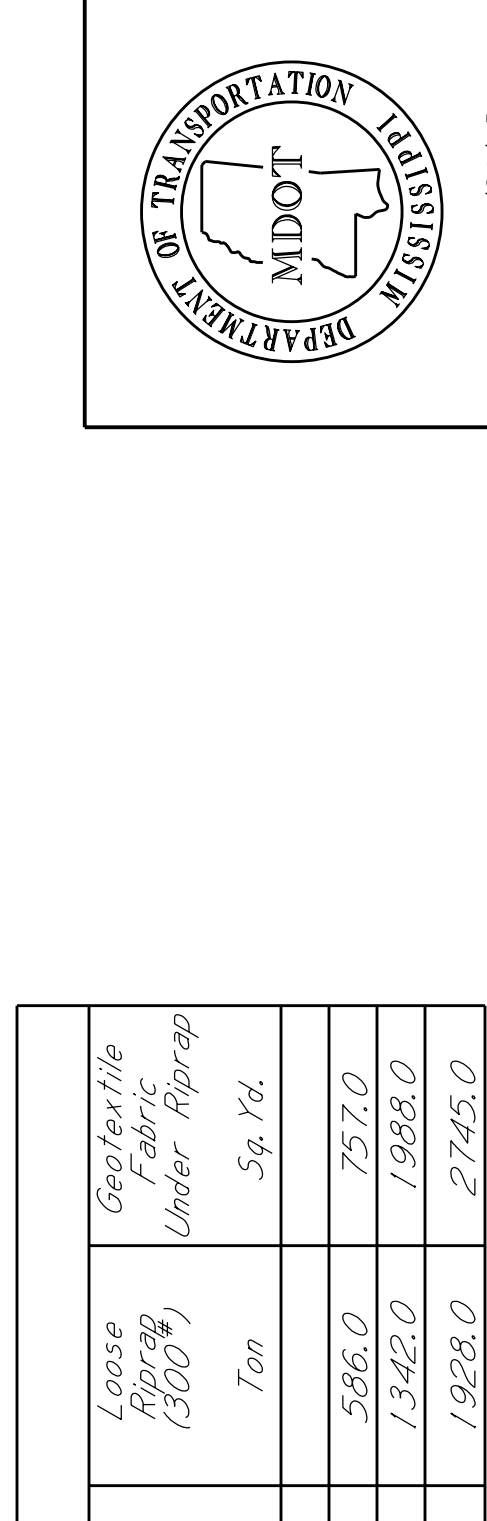
Item	Transverse Grooving	Conventional Static Load Test	HP12x53 Steel Piling	HP14x73 Steel Piling	HP14x89 Steel Piling	PDA Test Pile	Class "AA" Bridge Concrete Substructure C.Y.	Class "AA" Bridge Concrete Superstructure C.Y.	Pile Restrike	Reinforcement	Concrete	Loose Riprap (300)	Geotextile Fabric Under Riprap
Location													
Spans	1200.00						348.22	348.22		93743	540.00		
End Bents						2	51.03	171.22	1	9450	3.00	586.0	757.0
Int. Bents						1	120.19	348.22	1	9450	3.00	1342.0	1988.0
Totals	1200.00	1	720.0	720.0	1670.0	3	171.22	348.22	2	112924	543.00	1928.0	2745.0

**MISSISSIPPI DEPARTMENT OF TRANSPORTATION**  
BRIDGE AT STA. 161+09.21  
S.R. 590 OVER CURRY CREEK

PROJECT 105275/301000  
EXB-0213-00(003)

COVINGTON COUNTY

WORKING NUMBER 1 OF 21  
SHEET NUMBER 8004



DATE: 11/24/15

CHECKER: Susan Yates  
ISSUE DATE: 11/24/15  
DESIGNER: Kevin Beckham  
DETAILER: Kevin Beckham  
DIRECTOR OF STRUCTURES, STATE BRIDGE ENGINEER - JUSTIN WALKER, P.E.  
DEPT. OF STRUCTURES, ASST. STATE BRIDGE ENGINEER - SCOTT WESTERFIELD, P.E.

DATE: 11/24/15

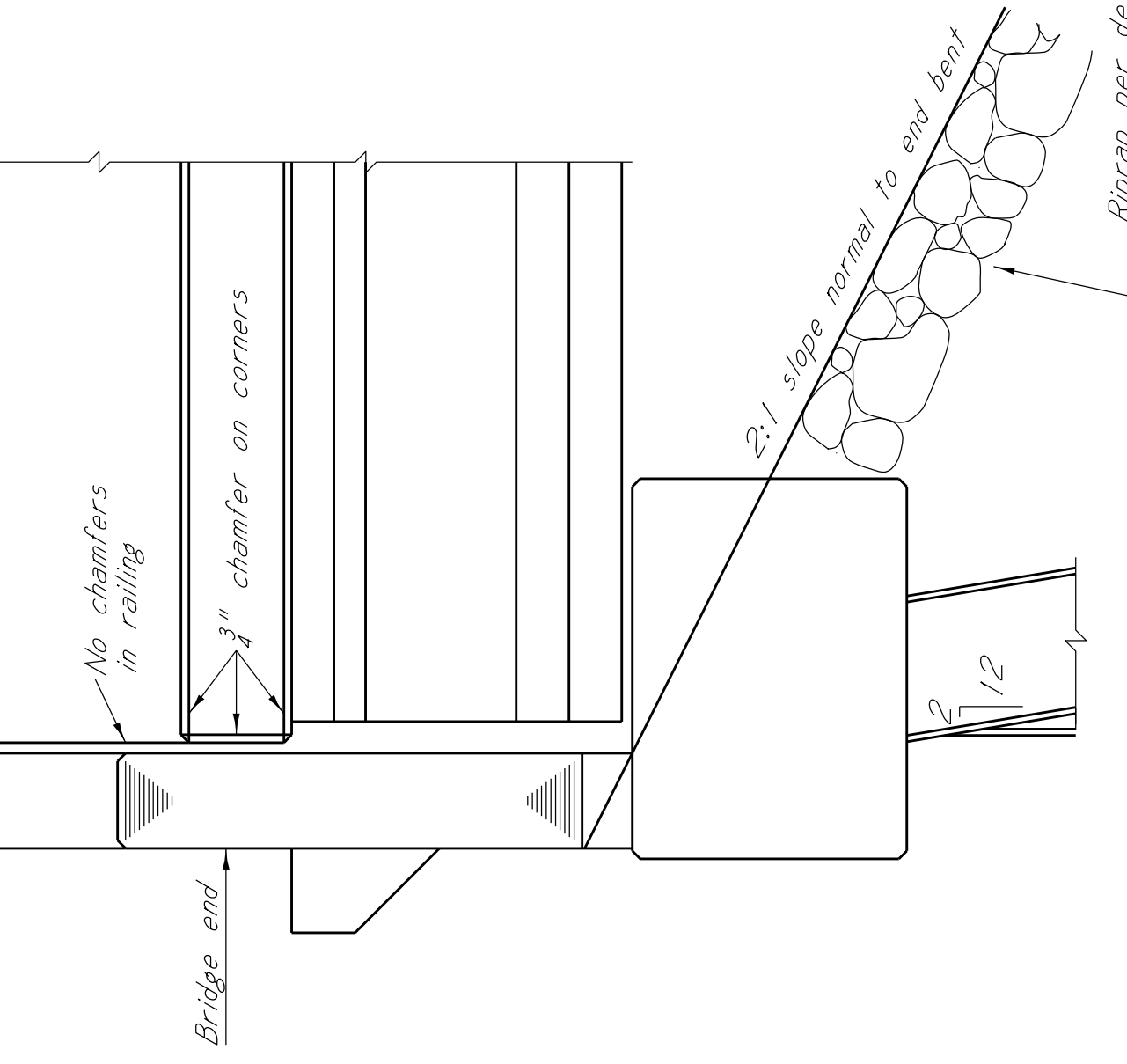
CHECKER: Susan Yates  
ISSUE DATE: 11/24/15  
DESIGNER: Kevin Beckham  
DETAILER: Kevin Beckham  
DIRECTOR OF STRUCTURES, STATE BRIDGE ENGINEER - JUSTIN WALKER, P.E.  
DEPT. OF STRUCTURES, ASST. STATE BRIDGE ENGINEER - SCOTT WESTERFIELD, P.E.

DATE: 11/24/15

CHECKER: Susan Yates  
ISSUE DATE: 11/24/15  
DESIGNER: Kevin Beckham  
DETAILER: Kevin Beckham  
DIRECTOR OF STRUCTURES, STATE BRIDGE ENGINEER - JUSTIN WALKER, P.E.  
DEPT. OF STRUCTURES, ASST. STATE BRIDGE ENGINEER - SCOTT WESTERFIELD, P.E.

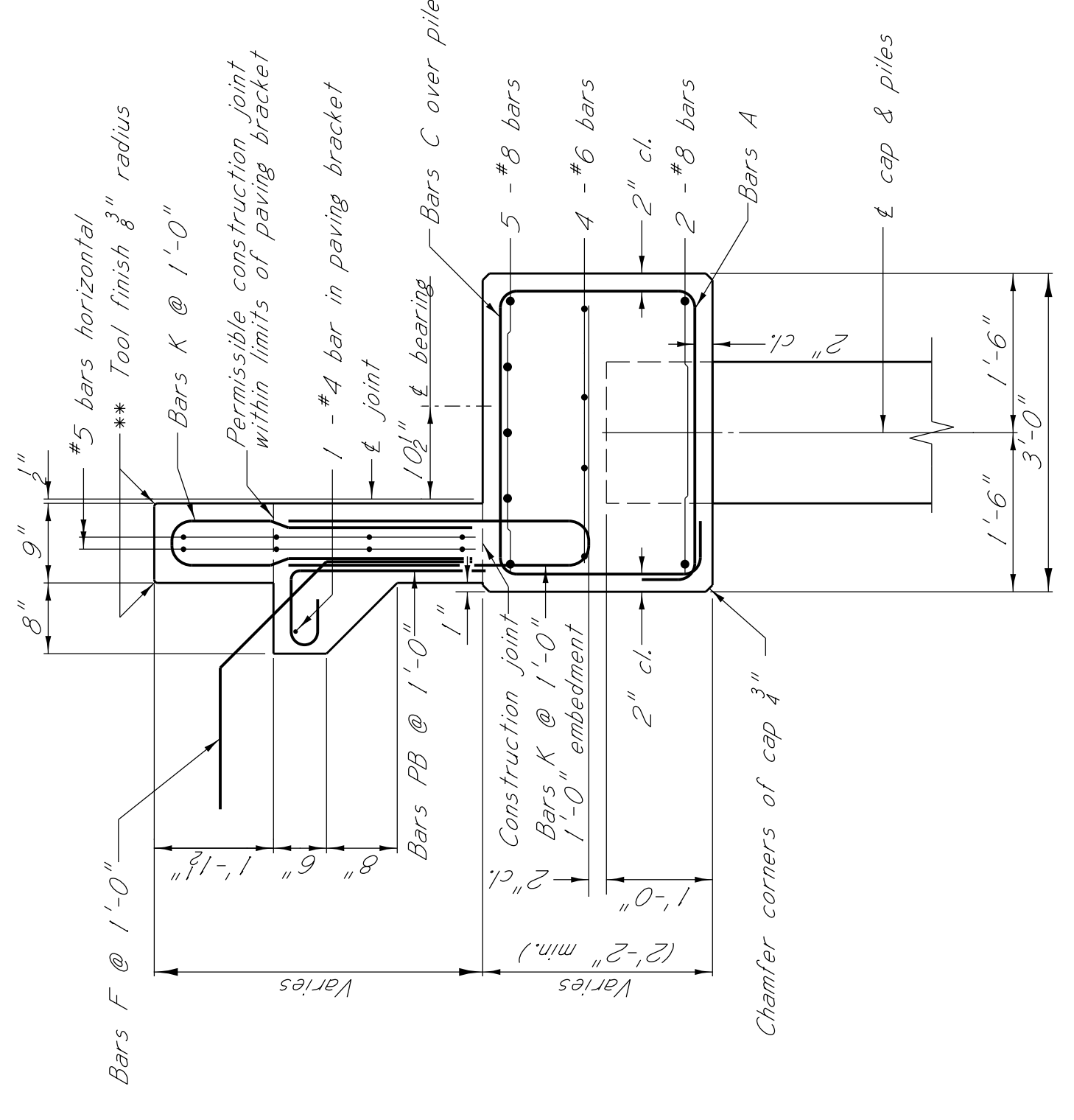
**ADDENDUM**

1" joint between slab and end wall-seal per details on sheet no. RD-32.  
 Bridge railing per details on sheet no. RD-32.  
 End wall railing per details this sheet.

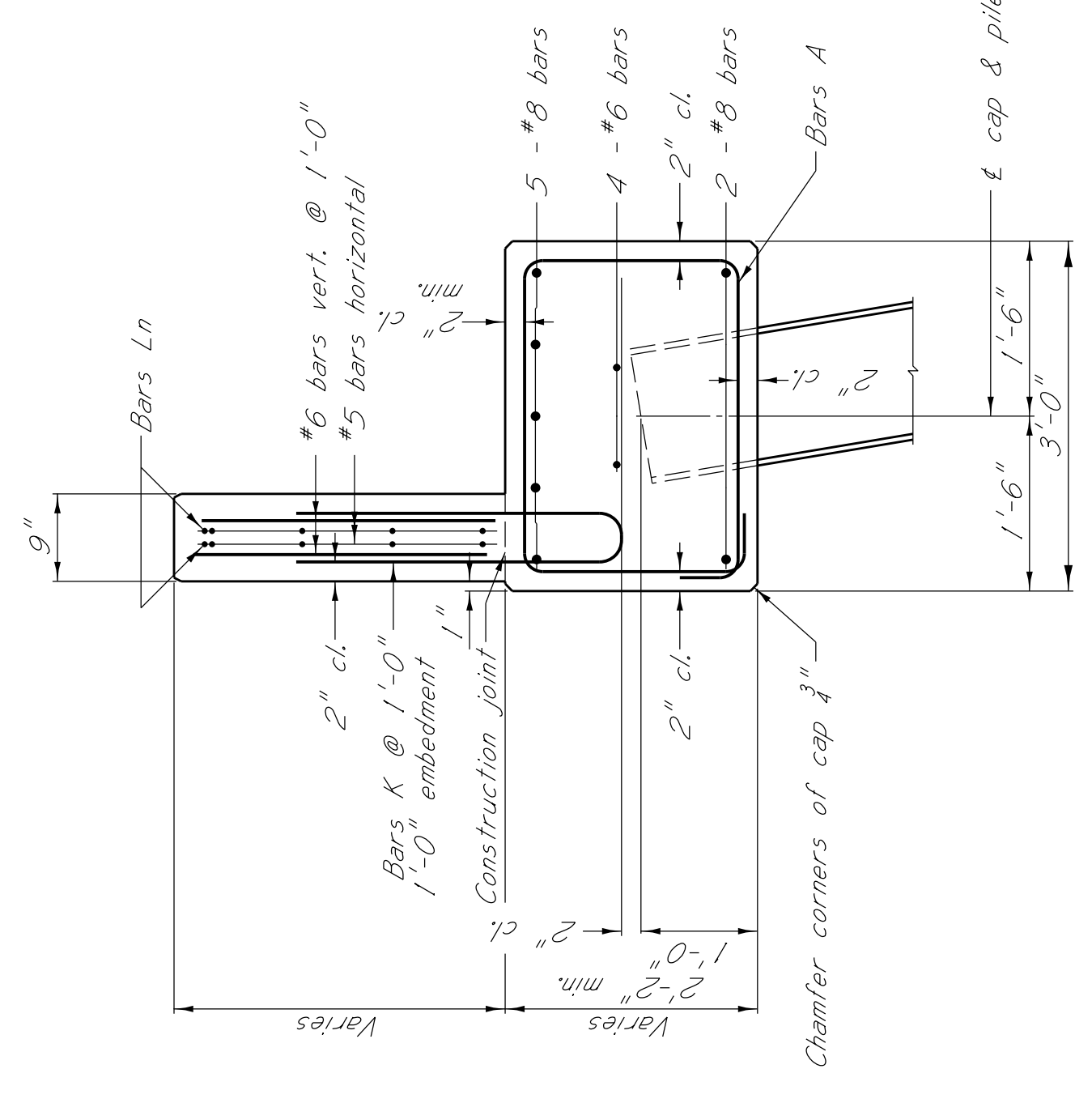


**END ELEVATION**

\*\*NOTES: 1/4" seal required. See sealing details on sheet no. 15.

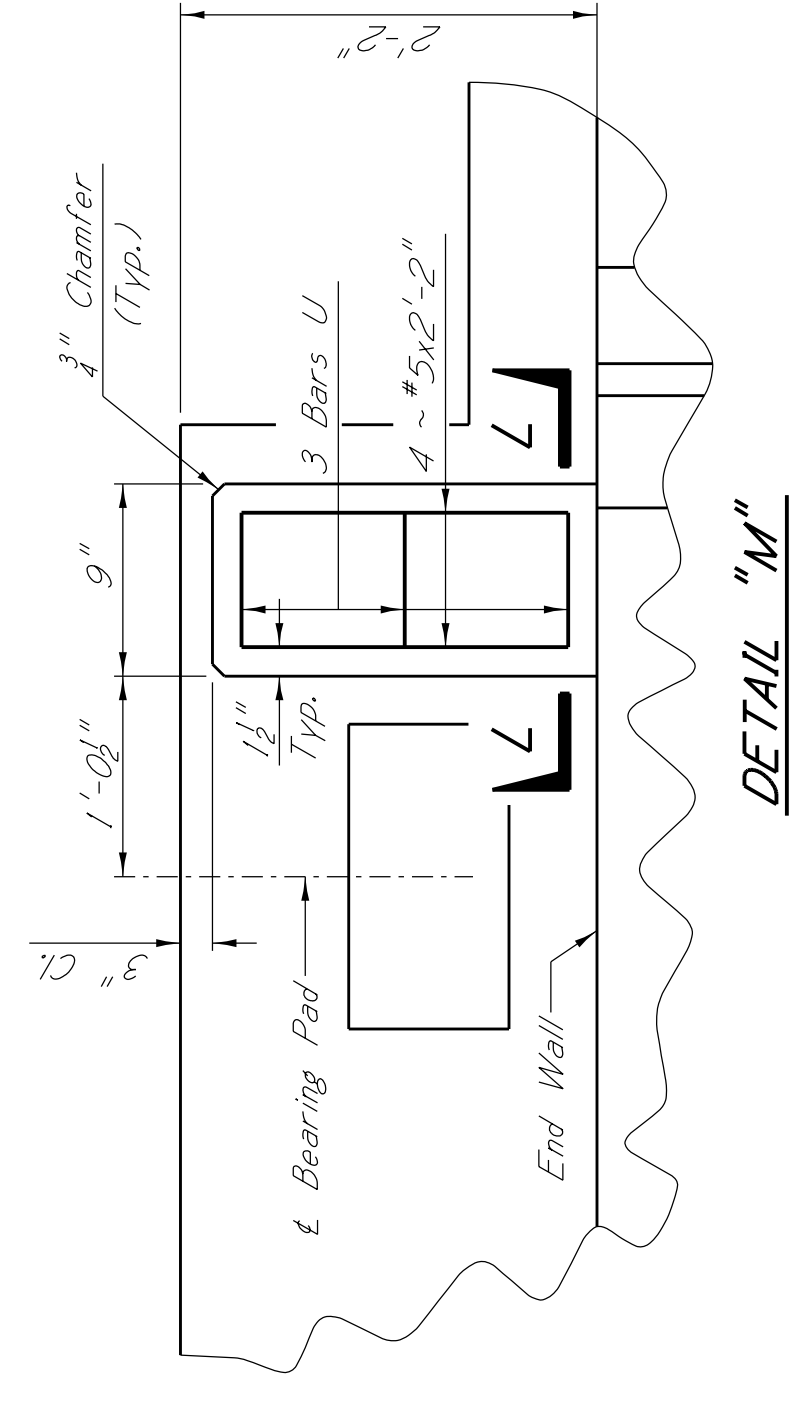


**SECTION A-A**

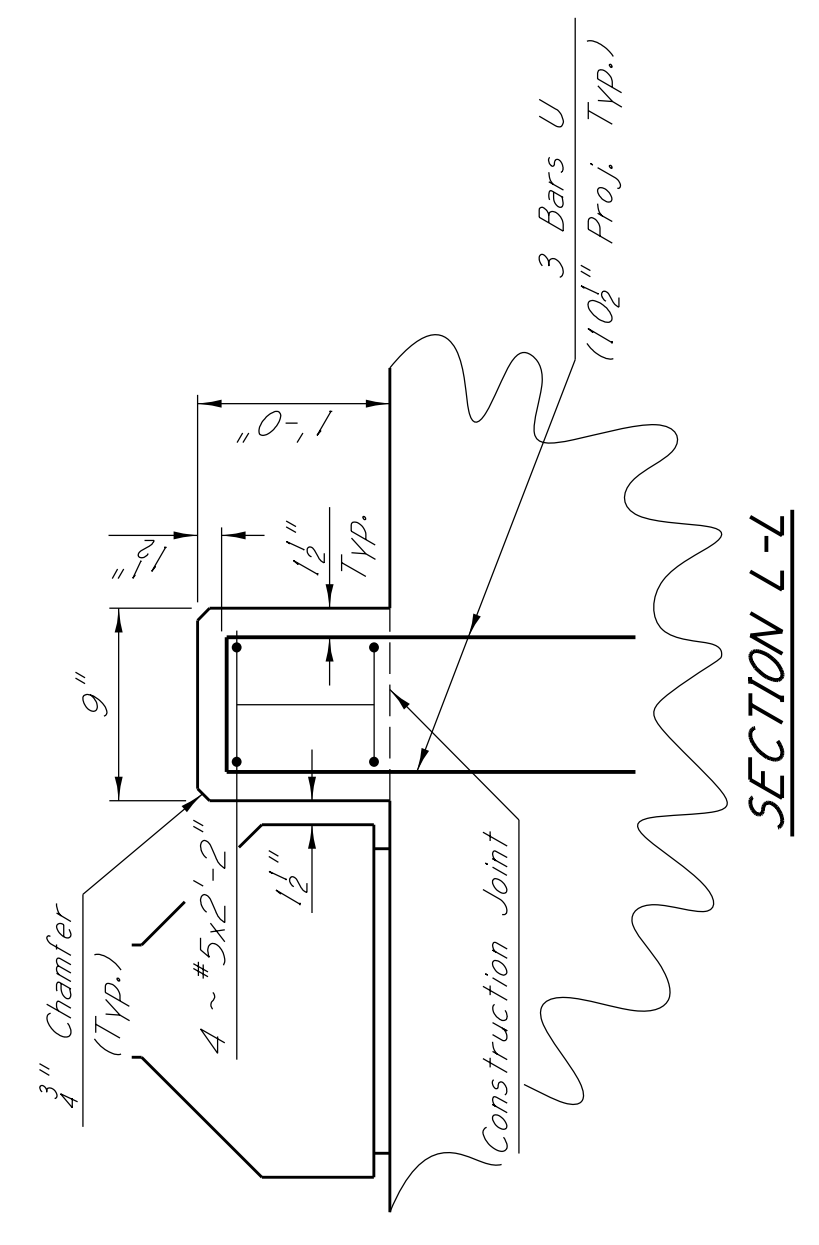


**SECTION B-B**

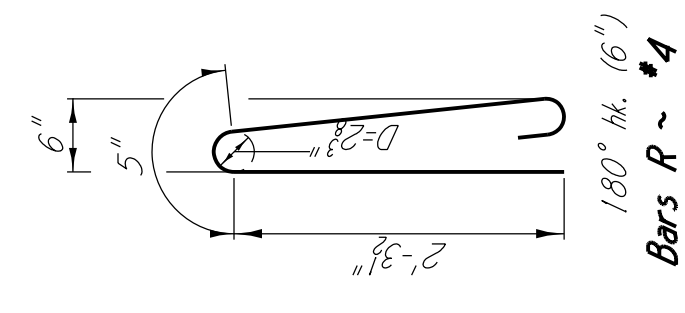
**NOTE:** For Location Of Shear Keys See Sheets No. 3 & 4.



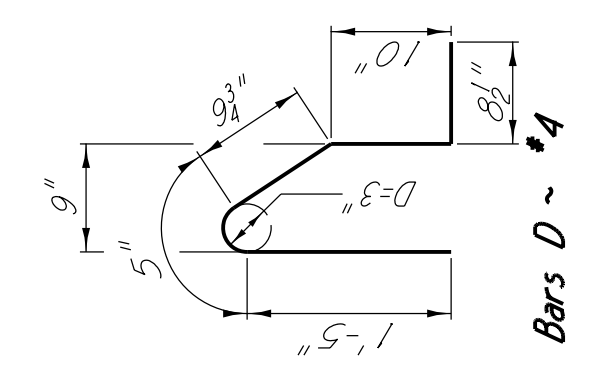
**DETAIL "M"**



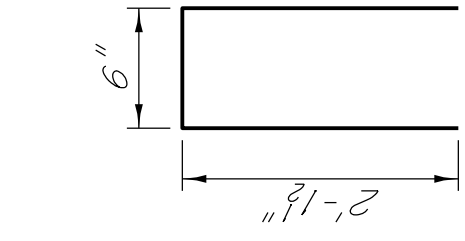
**SECTION L-L**



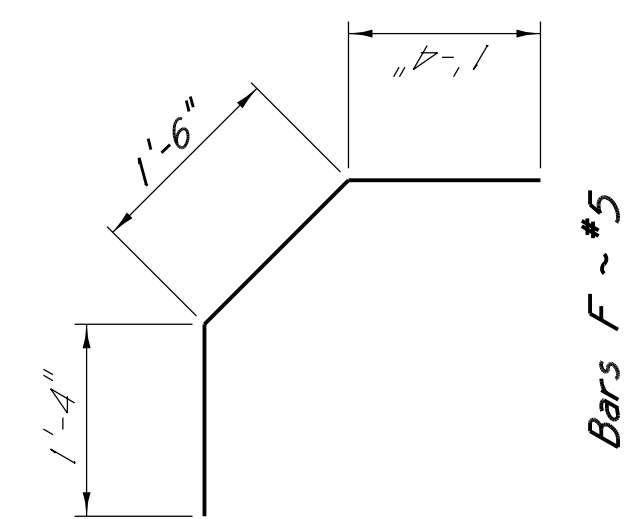
**Bars R ~ #4**



**Bars D ~ #4**

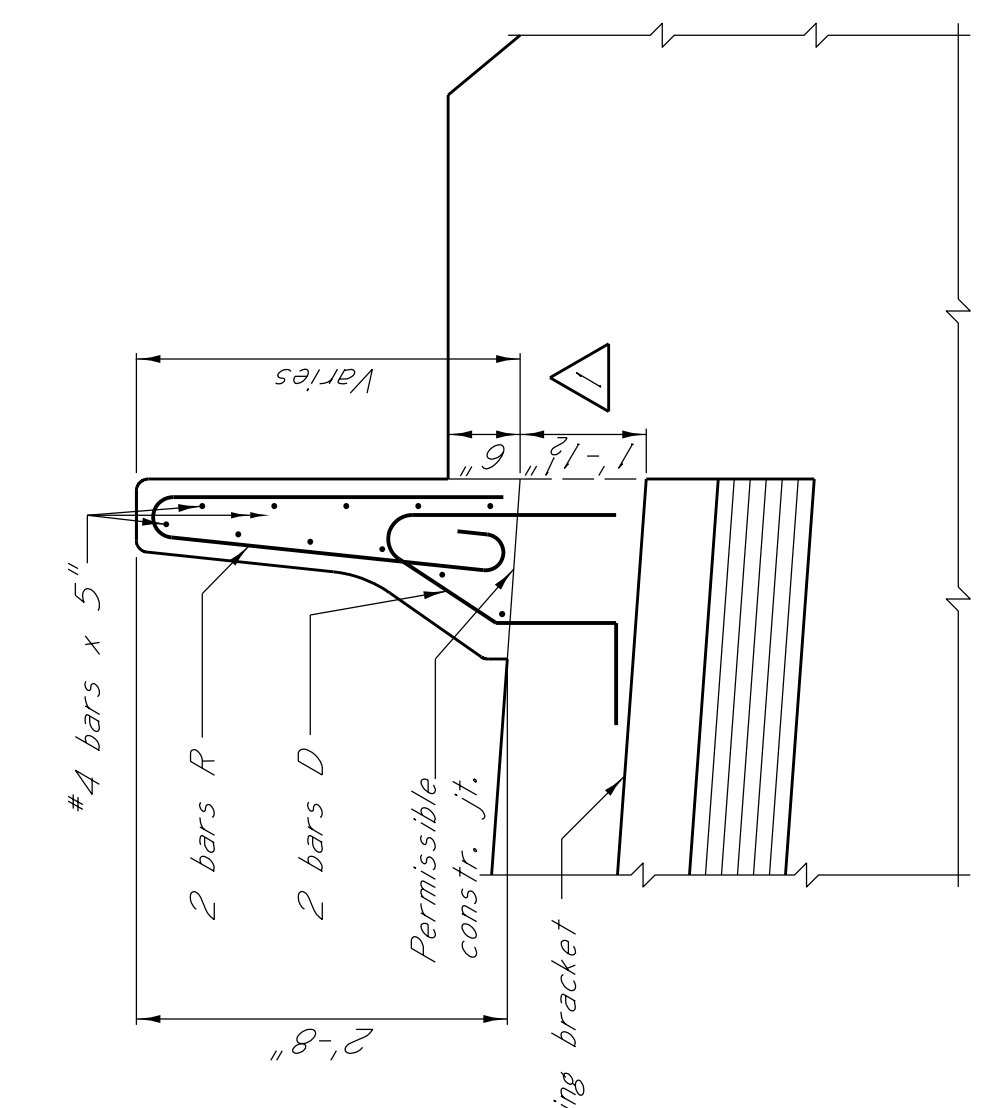


**Bars U ~ #5**

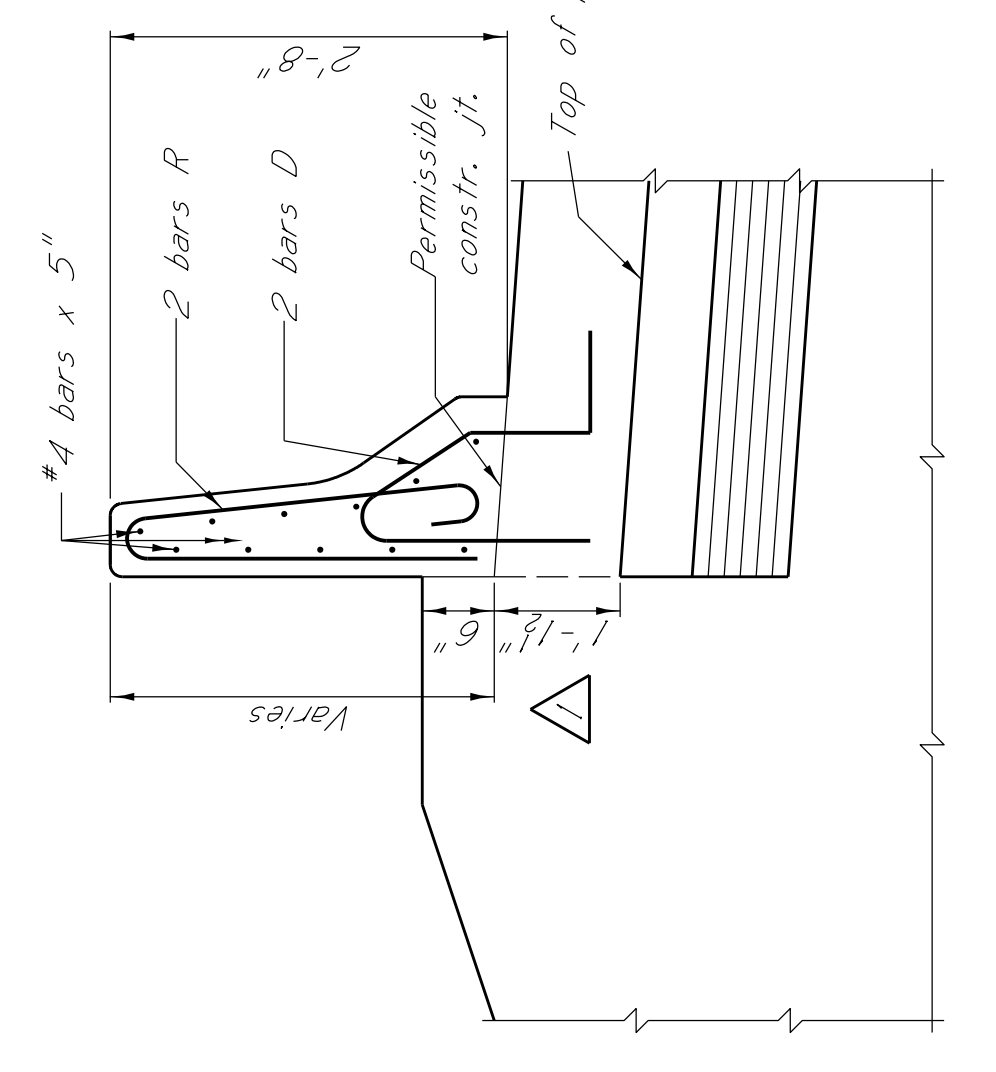


**Bars F ~ #5**

**BAR BENDING DETAILS**  
 All dimensions are out to out



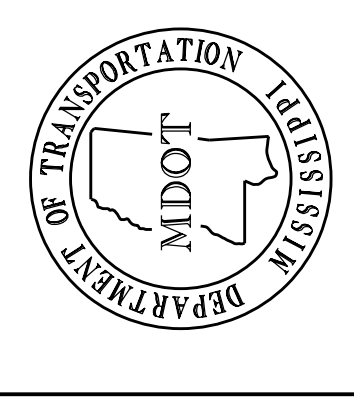
**RIGHT END WALL RAILING**  
 Viewed from fill face of end wall



**LEFT END WALL RAILING**  
 Viewed from fill face of end wall

**GENERAL NOTES:**  
 All concrete in end bents shall be class "AA".  
 Chamfer all edges 3/4" unless otherwise noted.  
 Portion of end wall between top of cap and permissible construction joint shall be constructed after placement of prestressed concrete beams. Portion of end wall above permissible construction joint shall not be constructed until bridge deck is in place and forms removed.  
 Piles for end bents shall not be driven until bridge end fill has been constructed to grade.  
 Dimensions from reinforcing steel to concrete surfaces are clear distances.

STATE	PROJECT NO.
MISS.	EXB-0213-00(003)
DESIGNER	CHECKER
DETAILER	ISSUE DATE
DATE	REVISIONS
9/24/15	REVISED PAVING BRACKET DEPTH
MISSISSIPPI DEPARTMENT OF TRANSPORTATION BRIDGE AT STA. 161+09.2100	
END BENT DETAILS	
PROJECT	WORKING NUMBER
EXB-0213-00(003)	5 OF 21
COUNTY	SHEET NUMBER
COVINGTON	8008
DIRECTOR OF STRUCTURES, STATE BRIDGE ENGINEER - JUSTIN WALKER, P.E. DEP. DIR. OF STRUCTURES, ASST. STATE BRIDGE ENGINEER - SCOTT WESTERFIELD, P.E.	



DATE: 11/24/15