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	**2/16/2016**	ADDENDUM NO.		DATED	
ADDENDUM NO		DATED		ADDENDUM NO.		DATED	

Number	Description
1	Table of Contents; Add NTB No. 1434M; BidItems; Revised or Added Plan Sheet Nos. 2, 196, 197, 8001, & 8030; 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.

NH-0007-01(079) / 1001743020 & 3021

Marshall County(ies)

Revised 01/26/2016

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
TABLE OF CONTENTS

PROJECT: NH-0007-01(079) / 1001743020 - Marshall
NH-0007-01(079)/1001743021 - Marshall

#1397M	Temporary Bracing
#1398M	Intermediate Diaphragms
#1400M	Terminal End Sections
#1401M	Disadvantaged Business Enterprise, w/ Supplement
#1404M	Traffic Control Devices
#1406M	Weight Limits
#1410M	Burn-in Period
#1411M	DUNS Requirement for Federal Funded Projects
#1414M	Contract Time
#1415M	Specialty Items
#1416M	Erosion Control Requirements for Sta. 0+688.21- MS/TN State Line
#1417M	NEMA Standard Publication
#1418M	Placement of Fill Material in Federally Regulated Areas
#1419M	Additional Construction Requirements
#1420M	Traffic Recorder Classification Permanent System
#1421M	Seismic Piling
#1429M	Adjustments for Bituminous Materials
#1430M	Non-Quality Control / Quality Assurance Concrete
#1431M	Payroll Requirements
#1432M	DBE Forms, Participation and Payment
#1433M	Use of Polyacrylamide (PAM)
#1434M	Contract Modifications

906	Required Federal Contract Provision - FHWA 1273, w/ Supplements

Section 907 - Special Provisions

907-101-4M	Definitions
907-102-10M	Bidding Requirements and Conditions
907-103-8M	Award and Execution of Contract
907-104-8M	Scope of Work
907-104-9M	Partnering Process
907-105-8M	Control of Work
907-106-4M	Control of Materials
907-107-10M	Environmental Protection
907-107-21M	Legal Relations and Responsibility to Public, w/Supplement
907-107-22M	Contractor's Protection Plan, w/ Supplement
907-108-33M	Prosecution and Progress, w/ Supplement
907-109-17M	Measurement and Payment
907-110-2M	Wage Rate Decisions
907-203-1M	Excavation and Embankment
907-209-1M	Geotextile Fabric For Stabilization
907-216-1M	Solid Sodding
907-217-1M	Ditch Liner
907-223-1M	Mowing
907-225-6M	Grassing
907-226-3M	Temporary Grassing
907-227-6M	Hydroseeding

907-234-1M	Silt Fence
907-234-5M	Siltation Barriers
907-237-4M	Wattles
907-245-2M	Triangular Silt Dikes
907-246-3M	Sandbags & Rockbags
907-247-2M	Temporary Stream Diversion
907-249-1M	Riprap for Erosion Control
907-250-1M	Polyacrylamide (PAM)
907-253-1M	Coir Fiber Baffle
907-254-1M	Sediment Retention Barrier
907-304-8M	Size 57 Crushed Stone Courses
907-304-17M	Granular Courses
907-307-6M	Lime Treated Courses
907-308-5M	Portland Cement Treated Courses, w/ Supplement
907-311-6M	Lime-Fly Ash Treated Courses
907-321-1M	In-Grade Preparation
907-401-11M	Asphalt Pavements
907-403-9M	Asphalt Pavements
907-406-2M	Cold Millling
907-407-2M	Tack Coat
907-413-5M	Cleaning and Sealing Joints and Cracks, w/Supplement
907-423-2M	Ground-In Rumble Strips
907-501-14M	Portland Cement Concrete Pavement
907-601-2M	Structural Concrete
907-603-4M	Culverts and Storm Drains
907-606-1M	Terminal End Sections
907-617-4M	Right-Of-Way Markers
907-618-12M	Placement of Temporary Traffic Stripe, w/ Supplement
907-619-5M	Terminal End Sections
907-619-11M	Traffic Control for Construction Zones
907-619-13M	Temporary Pavement Markings
907-625-2M	Painted Traffic Markings
907-626-21M	Thermoplastic Traffic Markings
907-627-1M	Raised Pavement Markings
907-639-4M	Traffic Signal and ITS Equipment Poles
907-640-1M	Traffic Signal and Pedestrian Heads
907-641-2M	Signal Radar Detection
907-647-2M	Pullboxes
907-687-2M	Traffic Recorder Classification System
907-699-4M	Construction Stakes
907-700-2M	Use of Crushed Reclaimed Concrete Pavement in Asphalt
907-701-5M	Hydraulic Cement, w/ Supplement
907-702-10M	Petroleum Asphalt Cement & Polymer Modified Petroleum Asphalt Cement
907-703-12M	Aggregates, w/ Supplement
907-707-5M	Joint Material
907-708-7M	Non-Metal Drainage Structures

907-709-1M	Metal Pipe
907-710-1M	Fast Drying Acrylic Waterborne Traffic Paint
907-710-2M	Fast Dry Solvent Traffic Paint
907-711-1M	Reinforcing Steel
907-711-6M	Synthetic Structural Fiber Reinforcement
907-712-4M	Materials for Guardrail Posts
907-713-5M	Admixtures for Concrete
907-714-14M	Miscellaneous Materials
907-715-2M	Erosion Control Blanket
907-715-7M	Roadside Development Materials
907-716-1M	Miscellaneous Materials
907-720-10M	Reflective Pav't Markers&Adhesive for Pav't. Mkrs.
907-720-11M	Pavement Marking Materials
907-721-5M	Flexible Delineators
907-721-7M	Materials for Signing
907-721-8M	Reflective Sheeting
907-803-19M	Deep Foundations
907-804-24M	Concrete Bridges and Structures
907-815-4M	Geotextile Fabric for Riprap
907-815-5M	Sediment Control Stone

906-7	Training Special Provisions

Section 905 - Proposal, Proposal Bid Items, Combination Bid Proposal
Certification of Performance - Prior Federal-Aid Contracts
Certification Regarding Non-Collusion, Debarment and Suspension
SAM.GOV Registration and DUNS Number
Section 902 - Contract Form
Section 903 - Contract Bond Forms
Form -- OCR-485

Pile Data Form
Progress Schedule

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

02/16/2016 11:40 AM

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 1434M **CODE: (SP)**

DATE: 02/16/2016

SUBJECT: Contract Modifications

PROJECT: **NH-0007-01(079) / 1001743020 & 3021 – Marshall County, Ms. & Fayette County, Tn.**

Bidders are advised of the following changes regarding pay items:

- The Summary of Quantities sheets in the Plans indicate the Quantity for pay item for 202-B138, Removal of Traffic Signal, to be 1 Each. This is in error. The correct Quantity for pay item for 202-B138, Removal of Traffic Signal, should be 2 Each. This quantity reflects the removal of temporary traffic signals (1) located in Tennessee, and (1) located in Mississippi.

Grade, Drain, Bridge, & Pave on US 72 from SR 302 to the TN. State Line, known as Federal Aid Project Nos. NH-0007-01(079) /1001743020 & 3021 in Marshall County, Mississippi & Fayette County, Tennessee.

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
			Roadway Items		
0010	201-A001		1	Lump Sum	Clearing and Grubbing
0020	201-B001		2	Hectare	Clearing and Grubbing
0030	202-B002		5,083	Square Meter	Removal of Asphalt Driveways (All Depths)
0040	202-B005		43,051	Square Meter	Removal of Asphalt Pavement (All Depths)
0050	202-B018		230	Square Meter	Removal of Concrete Driveways (All Depths)
0060	202-B039		83	Meter	Removal of Curb (All Types)
0070	202-B055		119	Meter	Removal of Guard Rail Including Post, Blockouts & Hardware
0080	202-B059		1	Each	Removal of Inlets (All Sizes)
0090	202-B076		1,950	Meter	Removal of Traffic Stripe
0100	202-B082		80	Meter	Removal of Box Culvert
0110	202-B107		892	Meter	Removal of Pipe (All Sizes)
0120	202-B130		78	Each	Removal of Signs
0130	202-B138		2	Each	Removal of Traffic Signal
0140	203-G003	(E)	2,000	Cubic Meter	Excess Excavation (FM) (AH)
0150	206-A001	(S)	5,260	Cubic Meter	Structure Excavation
0160	206-B001	(E)	527	Cubic Meter	Select Material for Undercuts (Contractor Furnished) (FM)
0170	213-C001		46	Metric Ton	Superphosphate
0180	219-A001		217	thousand liter	Watering [$6.00]
0190	220-A001		23	Hectare	Insect Pest Control [$75.00]
0200	221-A001	(S)	580	Cubic Meter	Portland Cement Concrete Paved Ditch
0210	224-A001		8,415	Square Meter	Soil Reinforcing Mat
0220	235-A001		1,160	Bale	Temporary Erosion Checks
0230	236-A004		46	Each	Silt Basin (Type D)
0240	501-E001		72	Meter	Expansion Joints (Without Dowels)
0250	502-A001	(C)	421	Square Meter	Reinforced Cement Concrete Bridge End Pavement
0260	602-A001	(S)	197,225	Kilogram	Reinforcing Steel
0270	603-C-A002	(S)	531	Meter	450-mm Reinforced Concrete Pipe, Class III
0280	603-C-A003	(S)	104	Meter	600-mm Reinforced Concrete Pipe, Class III
0290	603-C-A004	(S)	95	Meter	750-mm Reinforced Concrete Pipe, Class III
0300	603-C-A005	(S)	98	Meter	900-mm Reinforced Concrete Pipe, Class III
0310	603-C-A007	(S)	116	Meter	1200-mm Reinforced Concrete Pipe, Class III
0320	603-C-A128	(S)	29	Meter	750-mm Reinforced Concrete Pipe, Class V, Jacked or Bored

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0330	603-C-B001	(S)	37	Each	450-mm Reinforced Concrete End Section
0340	603-C-B002	(S)	15	Each	600-mm Reinforced Concrete End Section
0350	603-C-B003	(S)	4	Each	750-mm Reinforced Concrete End Section
0360	603-C-B004	(S)	4	Each	900-mm Reinforced Concrete End Section
0370	603-C-B006	(S)	4	Each	1200-mm Reinforced Concrete End Section
0380	603-C-E001	(S)	9	Meter	560-mm x 345-mm Concrete Arch Pipe, Class A III
0390	603-C-E005	(S)	36	Meter	1300-mm x 795-mm Concrete Arch Pipe, Class A III
0400	603-C-E006	(S)	101	Meter	1485-mm x 915-mm Concrete Arch Pipe, Class A III
0410	603-C-E007	(S)	140	Meter	1650-mm x 1015-mm Concrete Arch Pipe, Class A III
0420	603-C-E008	(S)	92	Meter	1855-mm x 1145-mm Concrete Arch Pipe, Class A III
0430	603-C-F001	(S)	1	Each	560-mm x 345-mm Concrete Arch Pipe End Section
0440	603-C-F005	(S)	4	Each	1300-mm x 795-mm Concrete Arch Pipe End Section
0450	603-C-F006	(S)	8	Each	1485-mm x 915-mm Concrete Arch Pipe End Section
0460	603-C-F007	(S)	8	Each	1650-mm x 1015-mm Concrete Arch Pipe End Section
0470	603-C-F008	(S)	6	Each	1855-mm x 1145-mm Concrete Arch Pipe End Section
0480	603-S-B003	(S)	2	Each	450-mm Branch Connections (Stub into Concrete Box Culvert)
0490	603-S-B004	(S)	4	Each	600-mm Branch Connections (Stub into Box Culvert)
0500	603-S-B018	(S)	2	Each	1855-mm x 1145-mm Branch Connections (Stub into Box Culvert)
0510	604-A001		215	Kilogram	Castings
0520	604-B001		114	Kilogram	Gratings
0530	606-B007		153	Meter	Guard Rail (Class A, Type 1), 'W' Beam
0540	606-D012		4	Each	Guard Rail, Bridge End Section, Type I
0550	609-B001	(S)	179	Meter	Concrete Curb, Type Header
0560	609-D004	(S)	872	Meter	Combination Concrete Curb and Gutter Type 3A Modified
0570	609-D007	(S)	1,884	Meter	Combination Concrete Curb and Gutter Type 2 Modified
0580	615-A018	(S)	12	Meter	Concrete Bridge End Barrier, 1050 mm
0590	616-A001	(S)	3,719	Square Meter	Concrete Median and/or Island Pavement (100-mm)
0600	616-A003	(S)	101	Square Meter	Concrete Median and/or Island Pavement (250-mm)
0610	619-D1001		21	Square Meter	Standard Roadside Construction Signs (less than 0.9 square meter)
0620	619-D2001		299	Square Meter	Standard Roadside Construction Signs (0.9 square meter or more)
0630	619-E003		1	Each	Flashing Arrow Panel (Type A)
0640	619-F1001		384	Meter	Concrete Median Barrier (Precast)
0650	619-F3003		3	Each	Delineators (Guard Rail) (Yellow)
0660	619-F3004		3	Each	Delineators (Guard Rail) (White)

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0670	619-G4001		602	Meter	Barricades (Type III) (Single Faced)
0680	619-G5001		718	Each	Free Standing Plastic Drums
0690	619-G7001		2	Each	Warning Lights (Type "B")
0700	619-H1001		1	Lump Sum	Traffic Signals
0710	619-K2001		2	Each	Installation and Removal of Guard Rail (Bridge End Section)
0720	620-A001		1	Lump Sum	Mobilization
0730	621-A001		1	Each	Field Laboratory
0740	630-A001		50	Square Meter	Standard Roadside Signs (Sheet Aluminum, 2.03-mm Thickness)
0750	630-A002		79	Square Meter	Standard Roadside Signs (Sheet Aluminum, 3.18-mm Thickness)
0760	630-B001		80	Square Meter	Interstate Directional Signs (Bolted Extruded Aluminum Panels, Ground Mounted)
0770	630-C003		481	Meter	Steel U-Section Posts (4.46 kg/m)
0780	630-D004		140	Meter	Structural Steel Beams (W150 x 14)
0790	630-E001		84	Kilogram	Structural Steel Angles & Bars (75 mm x 75 mm x 6 mm Angles)
0800	630-E004		298	Kilogram	Structural Steel Angles & Bars (12 mm x 63 mm Flat Bars)
0810	630-F001		14	Each	Delineators (Guard Rail)(White)
0820	630-F002		14	Each	Delineators (Guard Rail)(Yellow)
0830	630-F003		18	Each	Delineators (Flexible Post Mounted)(Crossover)(Type I)(Green)
0840	630-F004		18	Each	Delineators (Flexible Post Mounted)(Crossover)(Type I)(Yellow)
0850	630-F006		38	Each	Delineators (Post Mounted)(Single White)
0860	630-F007		14	Each	Delineators (Post Mounted)(Single Yellow)
0870	630-F008		79	Each	Delineators (Post Mounted)(Double White)
0880	630-F009		32	Each	Delineators (Post Mounted)(Double Yellow)
0890	630-G001		4	Each	Type 3 Object Markers (OM-3R or OM-3L) Post Mounted
0900	630-K002		29	Meter	Welded & Seamless Steel Pipe Posts (DN 90)
0910	630-K003		120	Meter	Welded & Seamless Steel Pipe Posts (DN 100)
0920	815-A007	(S)	3,500	Metric Ton	Loose Riprap, (Size 136 kg)
0930	907-203-A002	(E)	322,072	Cubic Meter	Unclassified Excavation (FM) (AH)
0940	907-203-EX004	(E)	294,984	Cubic Meter	Borrow Excavation (AH)(FME) (Class B9)
0950	907-209-A004		23,746	Square Meter	Geotextile Fabric Stabilization (Type V Non-Woven)
0960	907-216-A001		2,256	Square Meter	Solid Sodding
0970	907-217-A001		12,600	Square Meter	Ditch Liner
0980	907-223-A001		46	Hectare	Mowing [$125.00]
0990	907-225-A001		46	Hectare	Grassing

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
1000	907-225-B001		308	Metric Ton	Agricultural Limestone
1010	907-225-C001		414	Metric Ton	Mulch, Vegetative Mulch
1020	907-226-A002		46	Hectare	Temporary Grassing
1030	907-234-A002		2,650	Meter	Temporary Silt Fence
1040	907-234-C002		910	Meter	Super Silt Fence
1050	907-237-A002		330	Meter	Wattles, 500-mm
1060	907-237-A003		230	Meter	Wattles, 300-mm
1070	907-245-A001		310	Meter	Triangular Silt Dike
1080	907-246-A001		310	Meter	Sandbags
1090	907-247-A001		8	Each	Temporary Stream Diversion
1100	907-249-A001		1,035	Metric Ton	Riprap for Erosion Control
1110	907-250-A001		101	Kilogram	Polyacrylamide
1120	907-253-A001		736	Meter	Coir Fiber Baffle
1130	907-254-A001		906	Meter	Sediment Retention Barrier
1140	907-304-B001	(GT)	57,224	Metric Ton	Granular Material (Class 3, Group D)
1150	907-304-B004	(GT)	78,958	Metric Ton	Granular Material (Class 9, Group B)
1160	907-307-C001	(M)	132,591	Square Meter	150-mm Soil-Lime-Water Mixing (Class C)
1170	907-307-D001		1,943	Metric Ton	Lime
1180	907-307-S001	(A3)	150,070	Liter	Bituminous Curing Seal
1190	907-403-A017	(BA1)	1,990	Metric Ton	9.5-mm, ST, Asphalt Pavement
1200	907-403-A018	(BA1)	2,257	Metric Ton	12.5-mm, ST, Asphalt Pavement
1210	907-403-A019	(BA1)	30,916	Metric Ton	19-mm, ST, Asphalt Pavement
1220	907-403-A022	(BA1)	577	Metric Ton	9.5-mm, MT, Asphalt Pavement
1230	907-403-A023	(BA1)	705	Metric Ton	12.5-mm, MT, Asphalt Pavement
1240	907-403-A024	(BA1)	1,057	Metric Ton	19-mm, MT, Asphalt Pavement
1250	907-403-A027	(BA1)	2,080	Metric Ton	9.5-mm, HT, Asphalt Pavement
1260	907-403-A028	(BA1)	2,774	Metric Ton	12.5-mm, HT, Asphalt Pavement
1270	907-403-A029	(BA1)	33,651	Metric Ton	19-mm, HT, Asphalt Pavement
1280	907-403-B021	(BA1)	3,753	Metric Ton	19-mm, HT, Asphalt Pavement, Leveling
1290	907-403-D009	(BA1)	16,161	Metric Ton	9.5-mm, HT, Asphalt Pavement, Polymer Modified
1300	907-403-D010	(BA1)	21,474	Metric Ton	12.5-mm, HT, Asphalt Pavement, Polymer Modified
1310	907-406-A001		29,694	Square Meter	Cold Milling of Bituminous Pavement (All Depths)
1320	907-407-A001	(A2)	122,210	Liter	Asphalt for Tack Coat
1330	907-413-E001		64	Meter	Sawing and Sealing Transverse Joints in Asphalt Pavment

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
1340	907-413-K001		320	Meter	Saw Cutting Asphalt Pavement (Variable Depth)
1350	907-423-A001		23	Kilometer	Rumble Strips (Ground In)
1360	907-601-A001	(S)	1,795	Cubic Meter	Class "B" Structural Concrete
1370	907-601-B001	(S)	48	Cubic Meter	Class "B" Structural Concrete, Minor Structures
1380	907-603-ALT01	(S)	1,304	Meter	450-mm Type A Alternate Pipe
1390	907-603-ALT05	(S)	46	Meter	600-mm Type A Alternate Pipe
1400	907-603-ALT09	(S)	76	Meter	750-mm Type A Alternate Pipe
1410	907-603-ALT13	(S)	83	Meter	900-mm Type A Alternate Pipe
1420	907-606-E001		4	Each	Guard Rail, Terminal End Section
1430	907-617-A003		228	Each	Right-of-Way Marker
1440	907-618-A001		1	Lump Sum	Maintenance of Traffic
1450	907-619-A1001		16,445	Meter	Temporary Traffic Stripe (Continuous White) (Paint)
1460	907-619-A1002		314	Meter	Temporary Traffic Stripe (Continuous White) (Type 1 Tape)
1470	907-619-A2001		16,638	Meter	Temporary Traffic Stripe (Continuous Yellow) (Paint)
1480	907-619-A2002		314	Meter	Temporary Traffic Stripe (Continuous Yellow) (Type 1 Tape)
1490	907-619-A3007		177	Meter	Temporary Traffic Stripe, Skip White, Paint
1500	907-619-A4007		2,000	Meter	Temporary Traffic Stripe, Skip Yellow, Paint
1510	907-619-A5001		5,615	Meter	Temporary Traffic Stripe (Detail) (Paint)
1520	907-619-A6001		637	Meter	Temporary Traffic Stripe (Legend) (Paint)
1530	907-619-A6005		16	Square Meter	Temporary Traffic Stripe (Legend) (Paint)
1540	907-619-C6001		13	Each	Red-Clear Reflective High Performance Raised Marker
1550	907-619-C7001		267	Each	Two-Way Yellow Reflective High Performance Raised Marker
1560	907-619-K4001		2	Each	Installation and Removal of Guardrail (Terminal End Section)
1570	907-626-AA006		13,296	Meter	150-mm Thermoplastic Double Drop Traffic Stripe (Skip White)(2.25-mm min.)
1580	907-626-BB004		345	Meter	150-mm Thermoplastic Double Drop Traffic Stripe, Continuous White
1590	907-626-CC007		19,072	Meter	150-mm Thermoplastic Double Drop Edge Stripe (Continuous White) (1. 50-mm min)
1600	907-626-EE005		4,075	Meter	150-mm Thermoplastic Double Drop Traffic Stripe, Continuous Yellow, 2.25-mm min
1610	907-626-FF008		13,053	Meter	150-mm Thermoplastic Double Drop Edge Stripe (Continuous Yellow) (1.50-mm min.)
1620	907-626-GG009		7,045	Meter	Thermoplastic Double Drop Detail Stripe, White
1630	907-626-GG010		4,214	Meter	Thermoplastic Double Drop Detail Stripe, Yellow
1640	907-626-HH006		1,171	Meter	Thermoplastic Double Drop Legend, White
1650	907-626-HH007		74	Square Meter	Thermoplastic Double Drop Legend, White

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
1660	907-627-K001		1,109	Each	Red-Clear Reflective High Performance Raised Markers
1670	907-627-L001		334	Each	Two-Way Yellow Reflective High Performance Raised Markers
1680	907-639-A006		1	Each	Traffic Signal Equipment Pole (Type II) (5.2-m Shaft) (13.7-m Arm)
1690	907-639-A016		1	Each	Traffic Signal Equipment Pole (Type II) (5.2-m Shaft) (16.8-m Arm)
1700	907-639-A023		1	Each	Traffic Signal Equipment Pole (Type II) (5.2-m Shaft) (15.0-m Arm)
1710	907-639-C004		7	Cubic Meter	Pole Foundations, 750-mm Diameter
1720	907-640-B001		5	Each	Traffic Signal Heads (Type 1) LED
1730	907-640-B004		1	Each	Traffic Signal Heads (Type 3) LED
1740	907-640-B006		1	Each	Traffic Signal Heads (Type 7) LED
1750	907-641-C001		1	Each	Signal Radar Detection System
1760	907-641-D012		1	Lump Sum	Signal Radar Detection Training
1770	907-647-A002		2	Each	Pullboxes (Type 2)
1780	907-647-A003		1	Each	Pullbox (Type 3)
1790	907-687-A016		1	Each	Traffic Recorder Classification Permanent System
1800	907-699-A001		1	Lump Sum	Roadway Construction Stakes
1810	907-804-B001	(S)	287	Cubic Meter	Box Bridge Concrete (Class B)
1820	907-815-A001	(S)	974	Metric Ton	Loose Riprap, (Size 45 kg)
1830	907-815-E001	(S)	2,375	Square Meter	Geotextile Fabric under Riprap
1840	907-906001		1,040	Hours	Trainees [$5.00]
1850	908-642-A007		1	Each	Solid State Traffic Actuated Controllers (Type 8A)
1860	908-646-A001		1	Lump Sum	Removal of Existing Traffic Signals, Controller & Hardware
1870	908-666-B023		10	Meter	Electric Cable (Underground in Conduit)(IMSA 20-1)(AWG 8), 3 Conductor
1880	908-666-B036		103	Meter	Electric Cable (Underground in Conduit)(IMSA 20-1)(AWG 14), 8 Conductor
1890	908-666-C017		42	Meter	Electric Cable (Aerial Supported)(IMSA 20-1)(AWG 14), 8 Conductor
1900	908-668-A013		10	Meter	Traffic Signal Conduit (Underground) (Type IV) (DN 25)
1910	908-668-A016		18	Meter	Traffic Signal Conduit (Underground) (Type IV) (DN 50)
1920	908-668-A018		42	Meter	Traffic Signal Conduit (Underground) (Type IV) (DN 75)
1930	908-668-E001		52	Meter	Traffic Signal Conduit (Underground), Rolled Pipe, (DN 75)
			ALTERNATE GROUP AA NUMBER 1		
1940	907-304-D001	(GT)	9,417	Metric Ton	20-mm and Down Crushed Stone
			ALTERNATE GROUP AA NUMBER 2		
1950	907-304-I004	(GT)	9,417	Metric Ton	Crushed Stone Base (Size 610)
			ALTERNATE GROUP AA NUMBER 3		
1960	907-304-I005	(GT)	9,417	Metric Ton	Crushed Stone Base (Size 825 B)

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
			ALTERNATE GROUP BB NUMBER 1		
1970	907-308-A001		2,090	Metric Ton	Portland Cement
1980	907-308-B003	(M)	174,410	Square Meter	Soil-Cement-Water Mixing, (Optional Mixers)
1990	907-308-S001	(A3)	197,404	Liter	Bituminous Curing Seal
			ALTERNATE GROUP BB NUMBER 2		
2000	907-311-A002	(M)	174,410	Square Meter	Processing Lime and Fly Ash Treated Course, 150 mm Thick
2010	907-311-B001		1,424	Metric Ton	Lime
2020	907-311-C001		5,690	Metric Ton	Fly Ash (Class C)
2030	907-311-S001	(A3)	197,404	Liter	Bituminous Curing Seal
			Bridge Items		
2040	801-A001	(S)	1,332	Cubic Meter	Foundation Excavation for Bridges
2050	805-A001	(S)	274,017	Kilogram	Reinforcement
2060	813-A005	(S)	580	Meter	Concrete Railing (815-mm)
2070	815-D001	(S)	243	Cubic Meter	Concrete Slope Paving
2080	907-501-K001		4,140	Square Meter	Transverse Grooving
2090	907-803-B002	(S)	2	Each	Conventional Static Pile Load Test [$5,000.00]
2100	907-803-D003	(S)	1,696	Meter	HP 310 x 125 Steel Piling
2110	907-803-D004	(S)	2,996	Meter	HP 360 x 174 Steel Piling
2120	907-803-I003	(S)	4	Each	PDA Test Pile, HP Steel Pile
2130	907-803-J001	(S)	4	Each	Pile Restrike
2140	907-804-A011	(S)	1,134	Cubic Meter	Substructure Concrete (Class AA)
2150	907-804-A012	(S)	1,108	Cubic Meter	Superstructure Concrete (Class AA)
2160	907-804-C132	(S)	919	Meter	33-m Prestressed Concrete Beams, Type BT-1830
2170	907-804-C133	(S)	1,085	Meter	39-m Prestressed Concrete Beams, Type BT-1830

ADDENDUM

STATE	PROJECT NO.
MISS.	NH-0007-01(079)

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
TITLE SHEET (1)		1
DETAILED INDEX & GENERAL NOTES (7)		
DETAILED INDEX	DI-1	2
DETAILED INDEX	DI-2	3
DETAILED INDEX	DI-3	4
DETAILED INDEX	DI-4	5
DETAILED INDEX	DI-5	6
GENERAL NOTES	GN-1	7
GENERAL NOTES	GN-2	8
TYPICAL SECTION SHEETS (17)		
TYPICAL SECTION - U.S. 72 MAINLINE BOP TO STA. 1+527.104(LT LN) 1+556.553(RT LN)	TS-1	9
TYPICAL SECTION - U.S. 72 MAINLINE STA. 1+527.104(LT LN) 1+556.553(RT LN) TO STA. 1+850	TS-2	10
TYPICAL SECTION - U.S. 72 MAINLINE STA. 1+850 TO STA. 2+175.260	TS-3	11
TYPICAL SECTION - U.S. 72 MAINLINE STA. 2+175.260 TO STA. 3+740	TS-4	12
TYPICAL SECTION - U.S. 72 MAINLINE STA. 3+740 TO STA. 3+903.907	TS-5	13
TYPICAL SECTION - U.S. 72 MAINLINE STA. 3+903.907-STA. 4+050 & STA. 4+715-STA. 5+700	TS-6	14
TYPICAL SECTION - U.S. 72 MAINLINE STA. 4+050 TO STA. 4+715	TS-7	15
TYPICAL SECTION - U.S. 72 MAINLINE STA. 2+650-STA. 3+125 & STA. 5+700-STA. 6+900	TS-8	16
TYPICAL SECTION - U.S. 72 MAINLINE STA. 6+900 TO STA. 7+325	TS-9	17
TYPICAL SECTION - U.S. 72 INTERCHANGE (LOCAL ROAD PROPOSED DEVELOPMENT)	TS-10	18
TYPICAL SECTION - U.S. 72 INTERCHANGE RAMPS AND LOOPS	TS-11	19
TYPICAL SECTION - U.S. 72 INTERCHANGE N.W. RAMP	TS-12	20
TYPICAL SECTION - LOCAL ROADS	TS-13	21
TYPICAL SECTION - THRU CHANNELIZED INTERSECTION (CAYCE ROAD), BRIDGE END PAVEMENT	TS-14	22
TYPICAL SECTION - THRU CHANNELIZED INTERSECTION EXCEPT CAYCE ROAD	TS-15	23
TYPICAL SECTION - CONNECTIONS	TS-16	24
TYPICAL SECTION - CAYCE ROAD	TS-17	25
QUANTITY SHEETS (26)		
SUMMARY OF QUANTITIES	SQ-1	26
SUMMARY OF QUANTITIES	SQ-2	27
SUMMARY OF QUANTITIES	SQ-3	28
SUMMARY OF QUANTITIES	SQ-4	29
SUMMARY OF QUANTITIES	SQ-5	30
SUMMARY OF QUANTITIES	SQ-6	31
SUMMARY OF QUANTITIES	SQ-7	32
ESTIMATED QUANTITIES - DRAINAGE STRUCTURES	EQ-1	33
ESTIMATED QUANTITIES - DRAINAGE STRUCTURES	EQ-2	34
ESTIMATED QUANTITIES - BOX CULVERT, JUNCTION BOXES	EQ-3	35
ESTIMATED QUANTITIES - GUARD RAIL, BRIDGE END PAVEMENT, CURB & GUTTER	EQ-4	36
ESTIMATED QUANTITIES - RAMPS	EQ-5	37
ESTIMATED QUANTITIES - RAMPS	EQ-6	38
ESTIMATED QUANTITIES - SIDE DRAINS	EQ-7	39
ESTIMATED QUANTITIES - EARTHWORK (PHASE 1 AND PHASE 2)	EQ-8	40
ESTIMATED QUANTITIES - EARTHWORK(JOB TOTALS) & EROSION CONTROL ITEMS	EQ-9	41
ESTIMATED QUANTITIES - REMOVAL ITEMS	EQ-10	42
ESTIMATED QUANTITIES - SIGN ASSEMBLIES	EQ-11	43
ESTIMATED QUANTITIES - PAVEMENT MARKINGS	EQ-12	44
ESTIMATED QUANTITIES FOR TRAFFIC CONTROL - MISSISSIPPI	EQ-13	45
ESTIMATED QUANTITIES FOR TRAFFIC CONTROL - TENNESSEE	EQ-14	46
ESTIMATED QUANTITIES - TRAFFIC CONTROL ITEMS PHASE 1 AND CONSTRUCTION SIGNING	EQ-15	47
ESTIMATED QUANTITIES - TRAFFIC CONTROL ITEMS PHASE 2	EQ-16	48
ESTIMATED QUANTITIES - PERMANENT SIGNING	EQ-17	49
ESTIMATED QUANTITIES - STANDARD ROADSIDE SIGN ASSEMBLY & DIRECTIONAL SIGN ASSEMBLY	EQ-18	50
SUMMARY OF CULVERT HYDRAULIC DESIGN	EQ-19	51
PLAN & PROFILE SHEETS (40)		
B.O.P. TO STA. 0+800 - MAINLINE	3LT	52
B.O.P. TO STA. 0+800 - MAINLINE	3RT	53
DETOUR ROAD - B.O.P.	3A	54
STA. 0+800 TO STA. 1+600 - MAINLINE	4LT	55
STA. 0+800 TO STA. 1+600 - MAINLINE	4RT	56
CAYCE ROAD RELOCATION	4A	57
CAYCE ROAD CONNECTION	4B	58
LOCAL ROAD @ 1+312.584	4C	59

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
PLAN & PROFILE SHEETS (CONTINUED)		
STA. 1+600 TO STA. 2+400 - MAINLINE	5LT	60
STA. 1+600 TO STA. 2+400 - MAINLINE	5RT	61
LOCAL ROAD @ 1+750	5A	62
LOCAL ROAD @ 2+100	5B	63
ACCESS ROAD RIGHT	5C	64
STA. 3+200 TO STA. 4+000 - MAINLINE	6	65
STA. 3+200 TO STA. 4+000 - MAINLINE	7LT	66
STA. 293+00 TO STA. 307+00 - MAINLINE	7RT	67
INTERCHANGE LAYOUT	7A	68
LOCAL ROAD STA. 3+250	7B	69
RAILROAD @ 3+250	7C	70
NORHTWEST RAMP	7D	71
NORHTWEST LOOP	7E	72
SOUTHWEST RAMP	7F	73
SOUTHWEST LOOP	7G	74
LOCAL ROAD @ 3+788	7H	75
FRONTAGE ROAD RIGHT	7I	76
STA. 4+000 TO STA. 4+800 - MAINLINE	8LT	77
STA. 4+000 TO STA. 4+800 - MAINLINE	8RT	78
LOCA ROAD @ 4+665.122	8A	79
STA. 4+800 TO STA. 5+600 - MAINLINE	9LT	80
STA. 4+800 TO STA. 5+600 - MAINLINE	9RT	81
LOCA ROAD @ 5+542.776	9A	82
STA. 5+600 TO STA. 6+400 - MAINLINE	10LT	83
STA. 5+600 TO STA. 6+400 - MAINLINE	10RT	84
CONNECTION	10A	85
STA. 6+400 TO STA. 7+200 - MAINLINE	11LT	86
STA. 6+400 TO STA. 7+200 - MAINLINE	11RT	87
LOCA ROAD @ 6+500	11A	88
CONNECTION	11B	89
STA. 6+47+200 TO E.O.P. - MAINLINE	12LT	90
STA. 6+47+200 TO E.O.P. - MAINLINE	12RT	91
SPECIAL DESIGN SHEETS (188) ⚠⚠		
DETAIL OF CONSTRUCTION SIGNING	DCS-1	92
TRAFFIC CONTROL PLAN - U.S. HWY 72 PHASE 1	TC-1	93
TRAFFIC CONTROL PLAN - U.S. HWY 72 PHASE 1	TC-2	94
TRAFFIC CONTROL PLAN - U.S. HWY 72 PHASE 1	TC-3	95
TRAFFIC CONTROL PLAN - U.S. HWY 72 PHASE 1	TC-4	96
TRAFFIC CONTROL PLAN - U.S. HWY 72 PHASE 1	TC-5	97
TRAFFIC CONTROL PLAN - U.S. HWY 72 PHASE 1	TC-6	98
TRAFFIC CONTROL PLAN - U.S. HWY 72 PHASE 1	TC-7	99
TRAFFIC CONTROL PLAN - U.S. HWY 72 PHASE 1	TC-8	100

NEEL-SCHAFFER

PS & E PLANS-DATE 02-11-2015

FMS CON. # 100174/302000

REVISIONS

DATE	SHEET NO.	BY
4-29-15	2,4,28,32,43,50,1001, 1002,1004,1006,1008	RTM
7-21-15	2,4,6,26,27,29,30,33,34 ,39,51,54,56,276-283, 9003,9004	SCM
9-21-15	8,9	RTM
10-9-15	2,4,6,27,253-285	DMM
12-11-15	8,26,27,28,29,31,44, 134,196	RTM
1-12-16	32	RTM
2-2-16	196,197	RTM

RAYMOND KYLE EDISON LICENSED PROFESSIONAL ENGINEER 15139 STATE OF MISSISSIPPI

2-2-16

DMM 10-9-15 UPDATED SHEETS
SCM 9-21-15 UPDATED SHEETS
DATE REVISION BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

Detail Index

METRIC

Project No.: NH-0007-01(079)
County: Marshall

WORKING NUMBER DI-1

FILENAME: INDEX.DGN

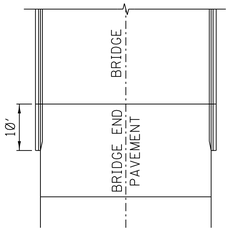
DESIGN TEAM NS CHECKED DATE

SHEET NUMBER 2

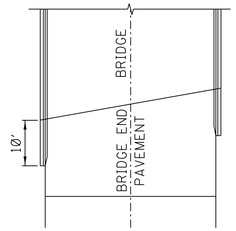
NOTICE TO ALL ROADWAY DESIGN DIVISION C.A.D.D. SECTION MISSISSIPPI DEPARTMENT OF TRANSPORTATION

ADDENDUM

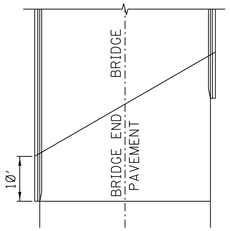
STATE	PROJECT NO.
MISS.	NH-0007-01(079)



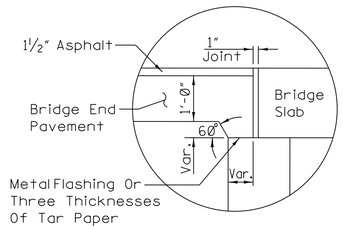
BRIDGE WITH NO SKEW



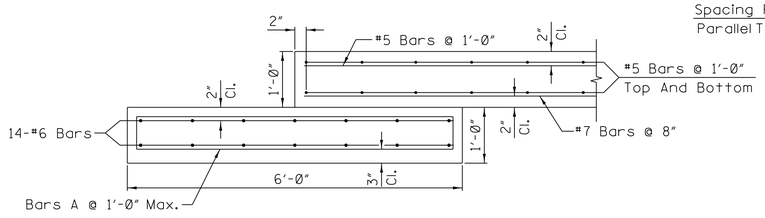
BRIDGE WITH SKEW AND 'A' MORE THAN 10'



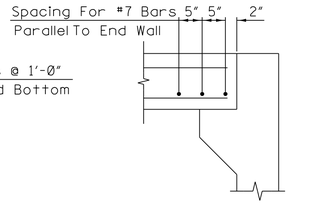
BRIDGE WITH SKEW AND 'A' EQUAL TO 10'



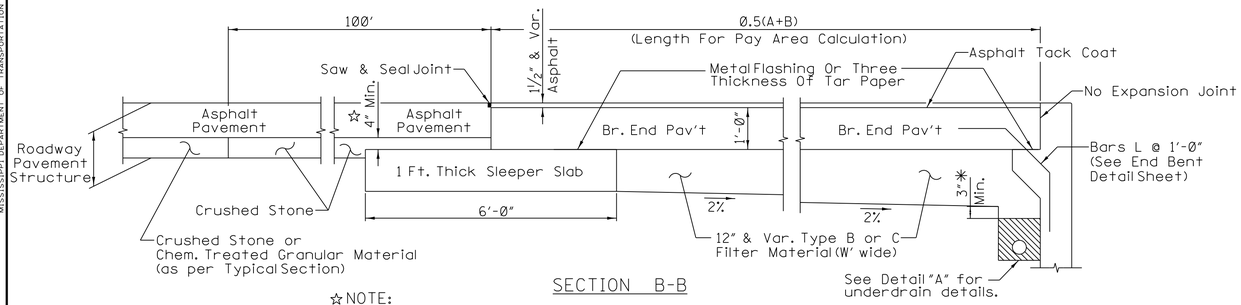
DETAIL SHOWING METHOD OF SEATING BRIDGE END PAVEMENT ON BRIDGES WITH NO PAVING BRACKET



SECTION C-C



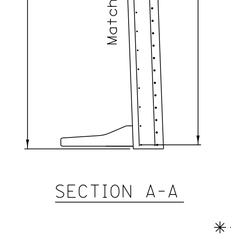
SECTION D-D



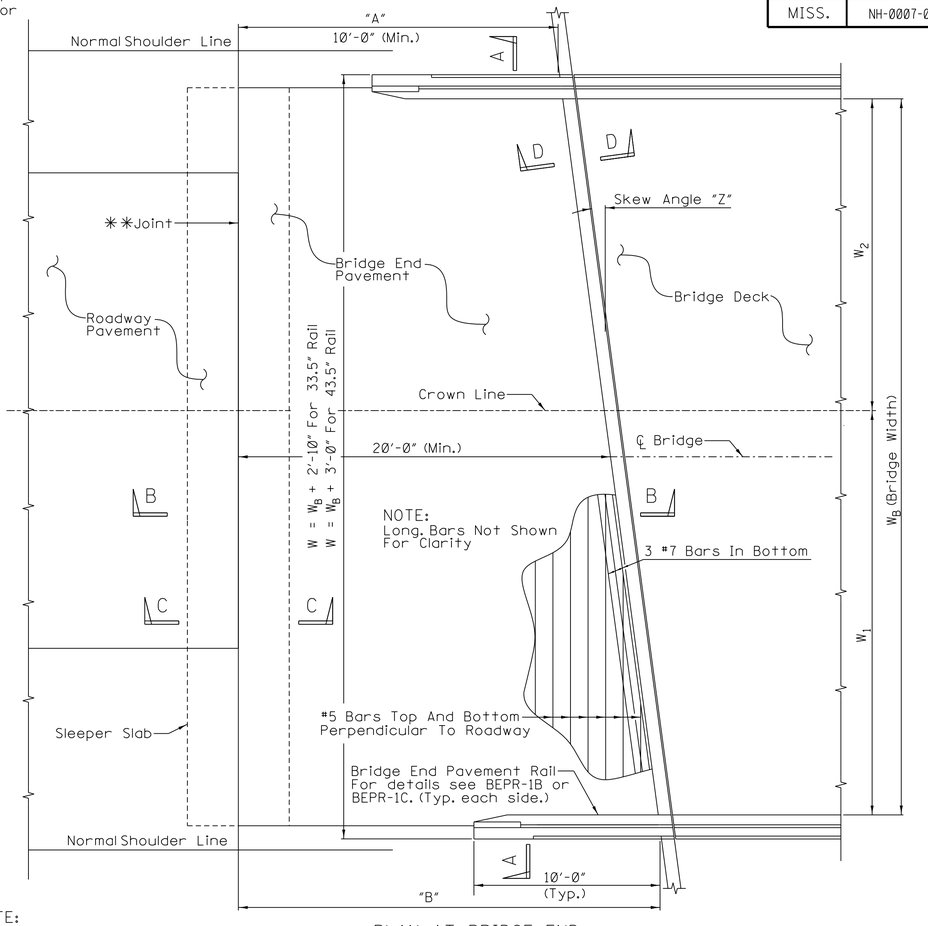
SECTION B-B

☆NOTE:
When area between sleeper slab and asphalt is less than 4", asphalt should be used instead of crushed stone.

✱NOTE:
Adjust as necessary to ensure proper drainage.



SECTION A-A

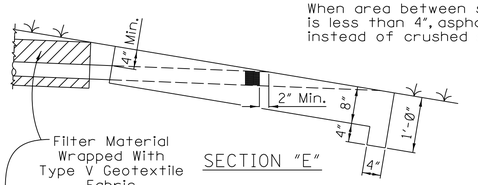


PLAN AT BRIDGE END

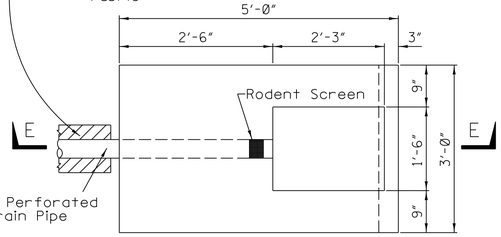
✱✱NOTE:
1" Premolded Expansion Joint Sealed With Poured Joint Filler (Doweled), This Joint Required Only If Roadway Pavement Is Concrete.

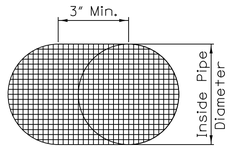
GENERAL NOTES:

1. If Bridge End Pavement is constructed in more than one section, longitudinal construction joints with tie bars shall be used. Tie bars shall be #5 bars, 2'-6" long and spaced 2'-6" o.c. Such construction shall be used where indicated on plans.
2. Dimensions "A" & "B" are based on a mid-length of 20 feet. Except in no case shall "A" be less than 10'-0".
3. See quantity section of plans for dimensions "W", "W_1", "W_2", "A", "B", skew angle "Z" and quantities.
4. Reinforcement (deformed) may be furnished full length or may be spliced. If bars are spliced, they shall be spliced not less than 30 diameters.
5. If top lift is greater than 1.5", the lift shall be transitioned to 1.5" across the length of the bridge end slab.
6. Outlets shall be required on both sides in normal crown and only on the low side of superelevation.
7. The bridge end pavement pay item includes Bridge End Pavement, Underdrain and appurtenances, Sleeper Slab, and Metal Flashing.
8. Class "B" concrete required for sleeper slab.



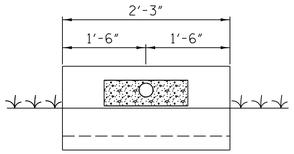
SECTION "E"





DETAIL OF RODENT SCREEN

3x3 galvanized hardware cloth 0.063 wire or equal formed to fit snug to inside of pipe.



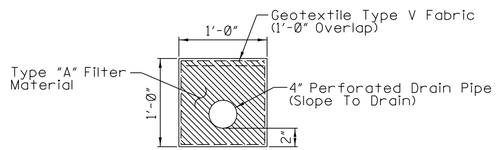
OUTLET APRON DETAIL

NOTES:

1. 0.363 C.Y. Class "C" concrete required for apron.
2. PVC pipe shall be either schedule 40 or 80 polyvinyl chloride plastic pipe.
3. Small animal guards shall be required on all exposed pipe openings by the end of the work day installed.
4. All fittings and joints to be constructed with smooth interior walls.
5. 4" perforated pipe daylighted at end of wingwall.

Bars A - #5

BAR BENDING DETAILS
Dimensions Are Out To Out



DETAIL "A"

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

BRIDGE END PAVEMENT (WITH RAIL, OVERLAY, AND SLEEPER SLAB)

COUNTY: MARSHALL
PROJ. NUM.: NH-0007-01(079)
FILENAME: BRIDGE END PAVEMENT
DESIGN TEAM ____ CHECKED ____ DATE 1-7-16

WORKING NUMBER: BEPR-SS
SHEET NUMBER: 196

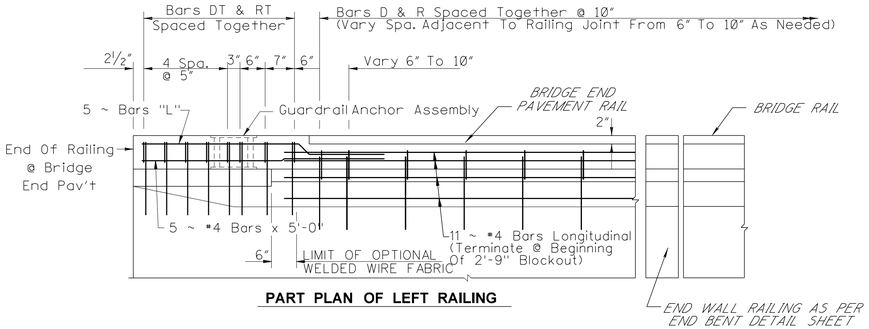
DATE	REVISION	BY
2-2-16	REPLACED SHEET	RTM

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

MMDDYY 001 00AMPM DGNFILENAME

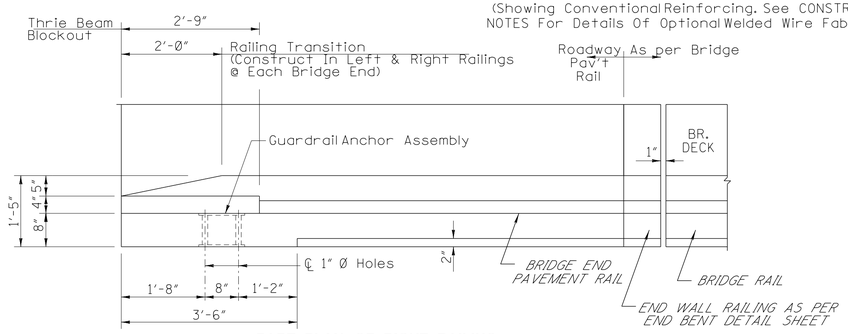
ADDENDUM

STATE	PROJECT NO.
MISS.	NH-0007-01(079)



PART PLAN OF LEFT RAILING

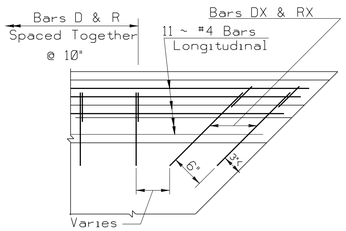
(Showing Conventional Reinforcing. See CONSTRUCTION NOTES For Details Of Optional Welded Wire Fabric.)



PART PLAN OF RIGHT RAILING

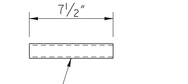
(Showing Concrete Dimensions)

PART ELEVATION OF OUTSIDE FACE OF RAILING



SKEWED PART PLAN OF LEFT RAILING AT BRIDGE END WALL

(Showing Conventional Reinforcing. See CONSTRUCTION NOTES For Details Of Optional Welded Wire Fabric.)



PIPE SLEEVE DETAIL

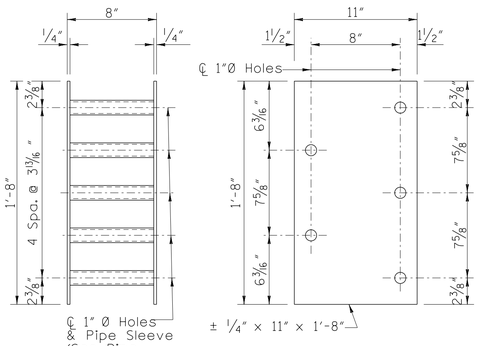
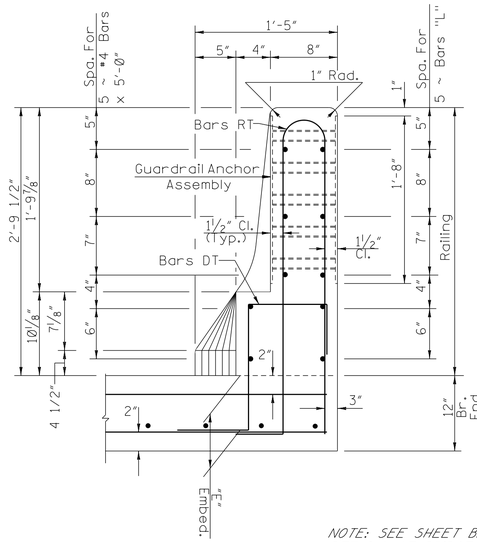
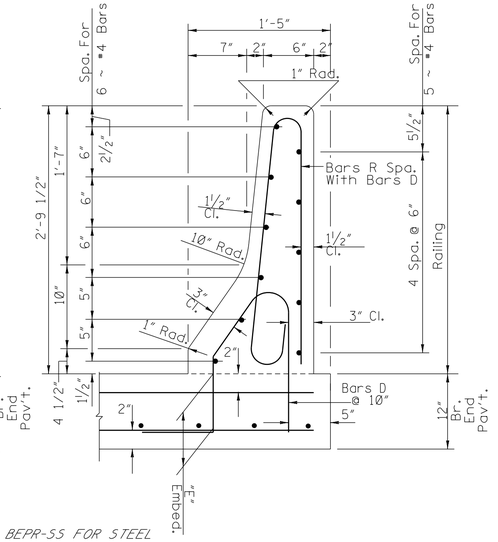


PLATE DETAIL

GUARDRAIL ANCHOR ASSEMBLY



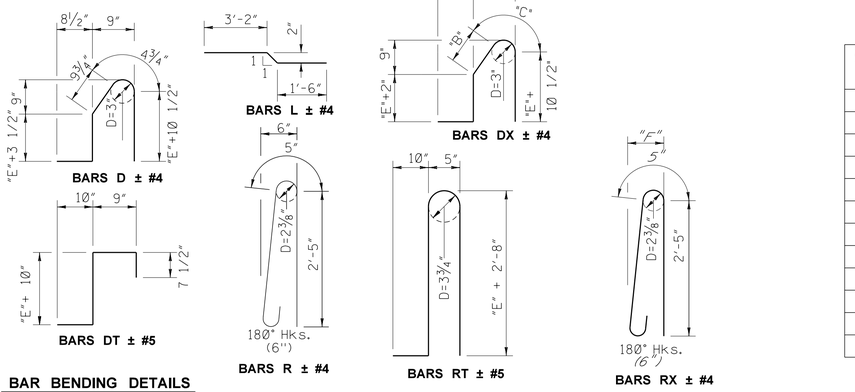
END ELEVATION OF RAILING



NOTE: SEE SHEET BEPR-55 FOR STEEL DETAILS OF BRIDGE END PAVEMENT

TYPICAL SECTION OF RAILING

NOTE: "E" = Slab Thickness (In.) - 2 Inch.



BAR BENDING DETAILS

Dimensions Are Out To Out NOTE:
"E" = Slab Thickness (In.) - 2 Inch.

SKEW (DEG)	BARS DX ~ #4			BARS RX ~ #4
	"A"	"B"	"C"	"F"
Ø	9"	9¾"	5"	6"
5	9"	9¾"	5"	6"
10	9"	9¾"	5"	6"
15	9¼"	10"	5"	6¼"
20	9½"	10"	5"	6¼"
25	10"	10½"	5"	6½"
30	10¼"	10½"	5"	7"
35	11"	11¼"	4¾"	7¼"
40	11¾"	11¾"	4¾"	7¾"
45	1'-0¼"	1'-0¾"	4½"	8½"
50	1'-2"	1'-1¾"	4½"	9¼"
55	1'-3¾"	1'-2½"	4½"	10½"

CONSTRUCTION NOTES:

Fabricate Guardrail Anchor Assemblies By Tack Welding Each End Of Pipe Sleeves To Plates. Plates Shall Be ASTM A 36 Steel. Pipes Shall Be ASTM A 120. Galvanize Complete Assemblies After Fabrication Per ASTM A 153.

Attach Assemblies Securely To Forms Prior To Pouring Railing Concrete To Assure That Exposed Surfaces Of The Assemblies Will Be Flush With Concrete Surfaces.

GUARDRAIL ANCHOR ASSEMBLIES SHALL BE INSTALLED IN BOTH LEFT AND RIGHT RAILINGS AT EACH END OF ALL BRIDGES.

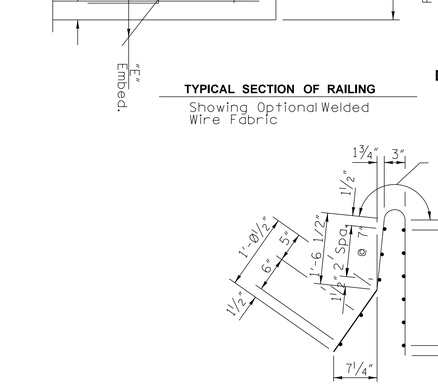
Welded Wire Fabric Meeting The Requirements Of ASTM A 497 And Details Shown On This Sheet May Be Used As An Option To Conventional Railing Reinforcing. Longitudinal Wires Shall Be D8 Spaced As Shown In The BAR BENDING DETAILS And Vertical Wires Shall Be D8 Spaced At 4".

Welded Wire Fabric Shall Not Be Used In The 2'-9" Thrie Beam Blockout Reinforcement For The 2'-9" Thrie Beam Blockout Shall Consist Of Conventional Reinforcing As Shown In Details On This Sheet. The Longitudinal Bars Of The Conventional Reinforcing Shall Extend Beyond The 2'-9" Thrie Beam Blockout Into The Welded Wire Fabric A Minimum Distance Of 1'-6".

Bridge End Pavement Rail Shall Be Constructed And Paid For In Accordance With Section 813 Of The Standard Specifications.

4" Diameter weep hole to be placed in bridge end pavement rail where required to reduce ponding.

IF TOP LIFT IS ANYTHING OTHER THAN 1.5", THE LIFT SHALL BE TRANSITIONED TO 1.5" ACROSS THE LENGTH OF THE BRIDGE END SLAB.

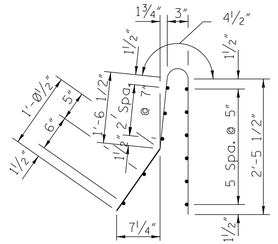


TYPICAL SECTION OF RAILING

Showing Optional Welded Wire Fabric

DESIGN DATA

Specifications.....A.A.S.H.T.O. 1992 & Int. Thru 1995
Concrete.....Class "AA"(4,000 psi)
Reinforcing.....ASTM A 615 Grade 60 (Fy = 60 ksi)



WELDED WIRE FABRIC

(Optional - See CONSTRUCTION NOTES)

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

33.5" BRIDGE END PAVEMENT RAIL

COUNTY: MARSHALL
PROJ. NUM.: NH-0007-01(079)

DATE	REVISION	BY
2-2-16	REPLACED SHEET	RTM

FILENAME: BEPR-1B.DGN
DESIGN TEAM _____ CHECKED _____ DATE 2-12-15

WORKING NUMBER: BEPR-1B
SHEET NUMBER: 197

PLAN
ROADWAY DESIGN DIVISION
MISSISSIPPI DEPARTMENT OF TRANSPORTATION

00:00 04PM DGNFILENAME
MODIFY

ADDENDUM

STATE	PROJECT NO.
MISS.	NH-0007-01(079)

DESCRIPTION OF SHEET	WKG. NO.	SH. NO.
OVERPASS AT STA. 3+208.074 (US 72 WB) OVERPASS AT STA. 3+199.664 (US 72 EB)		
DETAILED INDEX (BRIDGE)	DI-BR	8001
SUMMARY OF QUANTITIES (BRIDGE)	SQ-BR	8002
ESTIMATED QUANTITIES (BRIDGE)	EQ-BR	8003
GENERAL NOTES & ESTIMATED QUANTITIES	1	8004
ELEVATION	2	8005
FOUNDATION PLAN	3	8006
END BENT 1L DETAILS	4	8007
END BENT 1R DETAILS	5	8008
END BENT 5L DETAILS	6	8009
END BENT 5R DETAILS	7	8010
END BENT DETAILS	8	8011
INTERMEDIATE BENT 2L DETAILS	9	8012
INTERMEDIATE BENT 3L DETAILS	10	8013
INTERMEDIATE BENT 4L DETAILS	11	8014
INTERMEDIATE BENT 2R DETAILS	12	8015
INTERMEDIATE BENT 3R DETAILS	13	8016
INTERMEDIATE BENT 4R DETAILS	14	8017
INTERMEDIATE BENT DETAILS	15	8018
TYPICAL SPAN DETAILS (LEFT LANE)	16	8019
TYPICAL SPAN DETAILS (RIGHT LANE)	17	8020
TYPICAL SPAN DETAILS	18	8021
PLAN OF SPAN 1L	19	8022
PLAN OF SPAN 2L	20	8023
PLAN OF SPAN 3L	21	8024
PLAN OF SPAN 4L	22	8025
PLAN OF SPAN 1R	23	8026
PLAN OF SPAN 2R	24	8027
PLAN OF SPAN 3R	25	8028
PLAN OF SPAN 4R	26	8029
BEARING ASSEMBLY DETAILS	27	8030
MISCELLANEOUS SPAN DETAILS	28	8031
RAILING DETAILS	29	8032
BEAM 33-1 DETAILS, 1830 mm BULB TEE	30	8033
BEAM 39-1 DETAILS, 1830 mm BULB TEE	31	8034
BEAM 33-2 DETAILS, 1830 mm BULB TEE	32	8035
MISCELLANEOUS PRESTRESSED BEAM DETAILS	33	8036
GENERALIZED SOIL PROFILE (LEFT LANE)	34	8037
GENERALIZED SOIL PROFILE (RIGHT LANE)	35	8038

BRIDGE DIVISION REVISIONS		
DATE	SHEET NO.	BY
10-27-15	8002, 8003 & 8004	KJK
12-11-15	8002	KJK
2-9-16	8030	KJK

NEEL-SCHAFFER
Solutions you can build upon

KEVIN J. KENNEDY REGISTERED PROFESSIONAL ENGINEER 9913 STATE OF MISSISSIPPI
DATE: 2/9/16

DEPARTMENT OF TRANSPORTATION METRIC MISSISSIPPI

REVISIONS | BY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
OVERPASS AT STA. 3+208.074 (US 72 WB)
OVERPASS AT STA. 3+199.664 (US 72 EB)

DETAILED INDEX (BRIDGE)

PROJECT NH-0007-01(079)
100174/302000
MARSHALL COUNTY

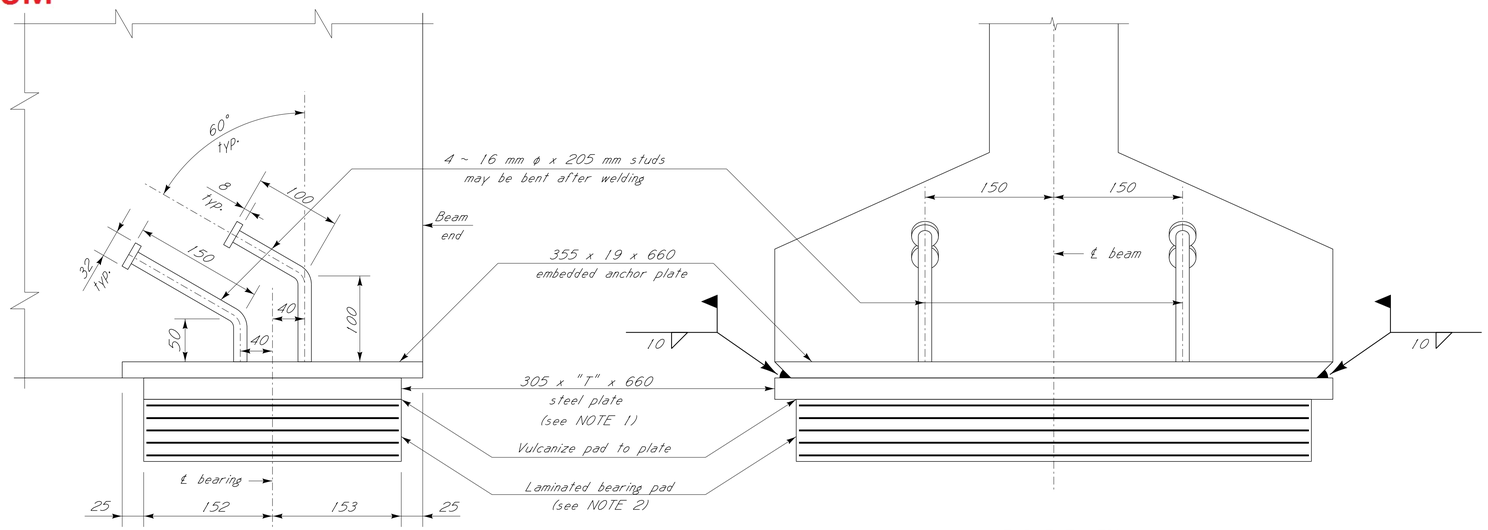
WORKING NUMBER DI-BR
SHEET NUMBER 8001

DATE | DESIGNER Kevin J. Kennedy, P.E. CHECKER Randy Boudreaux, P.E.
DETAILER Marcus Coleman, P.E. ISSUE DATE 10/30/2014
DIRECTOR OF STRUCTURES, STATE BRIDGE ENGINEER - JUSTIN WALKER, PE.
DEP. DIRECTOR OF STRUCTURES, ASSIST. STATE BRIDGE ENGINEER - SCOTT WESTERFIELD PE.

FILE: S:\Projects\8790.008 US 72 Final Drawings\8790.DI-BR (2nd_Order_Rev-12-11-15).dgn
DATE: 2/9/2016 TIME: 3:25:26 PM USER: KJK

ADDENDUM

STATE	PROJECT NO.
MISS.	NH-0007-01(079)

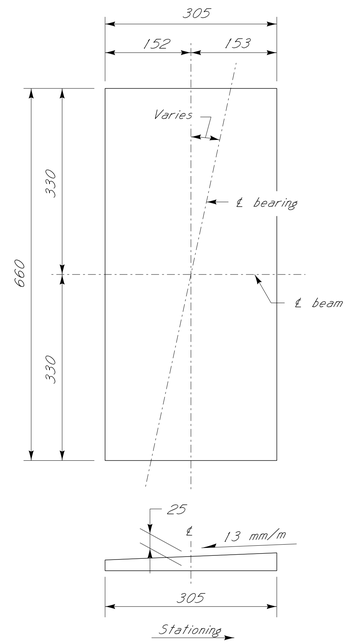


SIDE ELEVATION

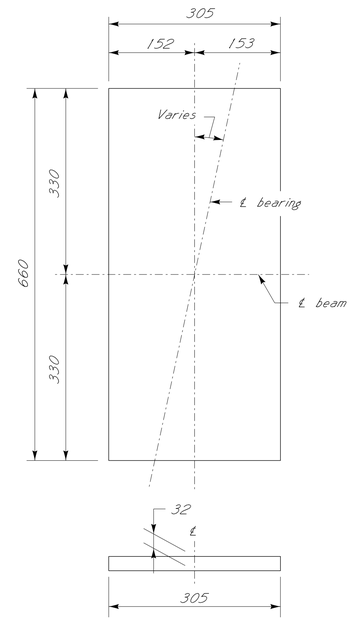
END ELEVATION

NOTES:

1. See BEAM BEARING SCHEDULE for bent locations requiring steel plates. See STEEL PLATE DETAILS for indivudual steel plate thicknesses and slopes.
2. See BEAM BEARING SCHEDULE for bent locations requiring laminated pads. See LAMINATED PAD DETAILS below for laminated pad dimensions.

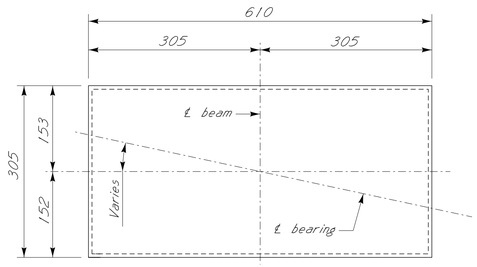


BEVELED STEEL PLATE SP1 DETAILS

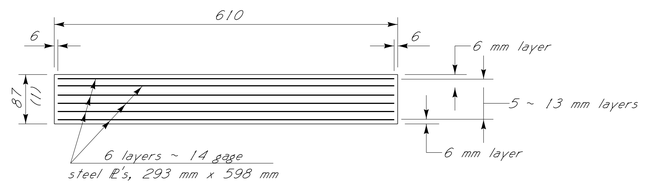


STEEL PLATE SP2 DETAILS

BEARING ASSEMBLY DETAILS

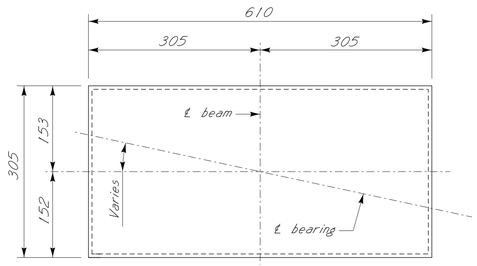


"LP1" PLAN

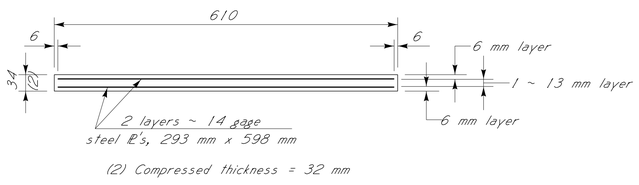


(1) Compressed thickness = 85 mm

"LP1" ELEVATION



"LP2" PLAN



(2) Compressed thickness = 32 mm

"LP2" ELEVATION

LAMINATED PAD DETAILS

BEAM BEARING SCHEDULE

Span (n)	@ Bent (n)		@ Bent (n+1)	
	Laminated pad	Steel plate	Laminated pad	Steel plate
1L/1R	LP1	SP1	LP2	SP1
2L/2R	LP2	SP2	LP2	----
3L/3R	LP2	----	LP2	----
4L/4R	LP2	----	LP1	----

△

LAMINATED PAD NOTES:

In no case shall pads be field cut.
Testing acceptance procedure shall be in accordance with Section 714.10.6 of the specifications.
Elastomer shall have a hardness of 50 durometer with minimum shear modulus at 23°C of 655 kPa and a maximum shear modulus at 23°C of 897 kPa.
Bearing area on top of cap shall be cast smooth and true to grade.

NEEL-SCHAFFER
Solutions you can build upon

KEVIN J. KENNEDY REGISTERED PROFESSIONAL ENGINEER 9913 STATE OF MISSISSIPPI

DATE: 2/9/16

△

DATE	REVISIONS	BY
2-9-16	REVISED ROWS IN TABLE	KJK

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
OVERPASS AT STA. 3+208.074 (US 72 WB)
OVERPASS AT STA. 3+199.664 (US 72 EB)

BEARING ASSEMBLY DETAILS

PROJECT NH-0007-01(079)
100174/302000
MARSHALL COUNTY

DESIGNER Kevin J. Kennedy, P.E.
DETAILER Marcus Coleman, P.E.
CHECKER Randy Boudreaux, P.E.
ISSUE DATE 10/30/2014
DIRECTOR OF STRUCTURES, STATE BRIDGE ENGINEER - JUSTIN WALKER, PE.
DEP. DIRECTOR OF STRUCTURES, ASSIST. STATE BRIDGE ENGINEER - SCOTT WESTERFIELD PE.

WORKING NUMBER 27 OF 35
SHEET NUMBER 8030

FILE: S:\Projects\8790.008 US 72 Final Drawings\8790.027 Bearing Assembly Details.dgn
DATE: 2/9/2016 TIME: 3:26:11 PM USER: KJK