

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> 5/18/2023 </u>	ADDENDUM NO. _____	DATED _____
ADDENDUM NO. _____	DATED _____	ADDENDUM NO. _____	DATED _____
ADDENDUM NO. _____	DATED _____	ADDENDUM NO. _____	DATED _____

Number	Description
1	Revised NTB No. 5049; Revised Bid Items; 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.

MP-6049-18(025)/ 308565301000

Forrest County(ies)

Revised 01/26/2016

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 5049

CODE: (SP)

DATE: 05/18/2023

SUBJECT: Scope of Work

PROJECT: MP-6049-18(025) / 308565301 -- Forrest County

The contract documents do not include an official set of construction plans but may, by reference, include some Standard Drawings when so specified in a Notice to Bidders entitled, "Standard Drawings".

Work on the project shall consist of the following:

**MILL, LEVEL, AND OVERLAY APPROXIMATELY 5.2 MILES OF US 49
FROM MYERS CREEK TO WILLIAM CAREY PARKWAY (10+00 TO 331+50)**

(A) Prior to the overlay, centerline alignment shall be determined by the Contractor by measuring the existing roadway at 500-foot intervals in tangent sections and 100-foot intervals in horizontal curves. The existing shoulders shall be clipped and surplus material shall be spread along the edge of the shoulders, fore slopes, or other adjacent areas as directed by the Project Engineer, and will be an absorbed item.

(B) The entire road width shall be fine milled from the beginning of the median island pavement (Sta. 230+80) to the E.O.P. (Sta. 331+50) a depth of 1½" on US 49, as well as all transitions including B.O.P., E.O.P., bridge approaches, intersections where concrete median island and curb and gutter are present, and all tie-ins (Approximately 140,000 square yards). All milled areas shall be backfilled with asphalt within five (5) days of milling and the Contractor shall ensure water will not be trapped at milled locations.

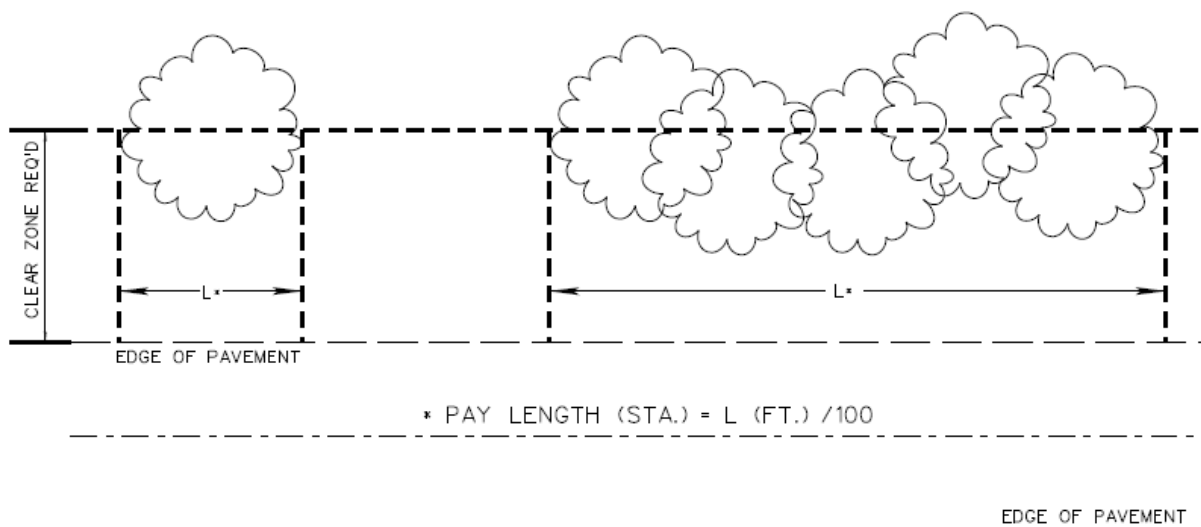
Reclaimed asphalt pavement (RAP) material removed by the milling operation shall become the property of the Contractor except for 1,000 tons or 50% of the total anticipated quantity, whichever is less, and shall be delivered to the MDOT Maintenance Yard located at 1141 Richburg Road, Hattiesburg, MS. Sufficient advance notice shall be given to ensure that MDOT Maintenance personnel will be on hand to direct the delivery.

(C) Sawing and sealing of transverse joints shall be required in the surface asphalt from Station 10+00 to 331+50. The Contractor shall be responsible for locating/markings these joints prior to construction to ensure proper placement after asphalt paving operations.

(D) Approximately 6.1 miles of US 49 shall be overlaid with 1½" of 9.5-mm, HT, Polymer Modified asphalt from B.O.P. (Station 10+00) to E.O.P. (Station 331+50) (Approximately 18,150 tons). Smoothness tolerance for mean roughness index (MRI) and maximum deviation from a 10-foot straight edge will be governed by the Standard Specifications, Section 403, Category B. Prior

to the overlay, a leveling course of 3/4" Ultra-Thin, asphalt will be required from the B.O.P. (Sta. 10+00) to the beginning of the median island pavement (Sta. 230+80) (Approximately 5,320 tons). Publicly maintained roads or streets shall be surfaced with 1½" of 9.5-mm, ST, asphalt to the existing R.O.W. (3,310 tons). Privately owned entrances shall be surfaced a distance of 10 feet and variable from edge of pavement (Approximately 150 tons). Trench widening of 2' wide and 3" deep shall be performed at all crossovers. All crossovers, including those at county road locations, shall be widened on both sides from mainline to mainline. The trench may be filled in concurrence with the 9.5-mm, ST asphalt surface lift (Approximately 210 tons). Crossovers, gore areas, ramps, turn lanes, guardrail pads and existing paved shoulders shall be surfaced with 1½" and variable 9.5-mm, ST, asphalt (Approximately 5,770 tons). Existing cross slopes of 2% in tangent sections or proper superelevation rates in curves shall be maintained. If water stands when project is complete, the Contractor shall correct at no additional cost to the State.

(E) Random clearing shall be performed within the specified clearing limits, including vegetation overhanging the edge of the clearing limits. Overhanging vegetation shall be trimmed to a minimum height of thirty (30) feet above the ground elevation at the edge of the clearing limits. It is the intent of this Contract for vegetation, with the exception of any merchantable timber that the Contractor desires, to be mulched onsite and left in place. Mulching will be prohibited in residential locations that are maintained by adjacent landowners. All vegetative material shall be removed from these areas and mulched at a location on the project where mulching is allowed. In the event random clearing is required in a residential location, when work is complete the location shall be left as close to the original condition as possible. Mulched material shall be spread such that no more than four (4) inches in depth of material is placed in any one location. This work shall be paid for under pay item 201-D: Random Clearing, per station. Each side of the roadway will be measured separately. Clearing within two feet (2') of fences, utilities, and other obstructions as directed by the Project Engineer within the ROW is to be omitted in order to avoid damages.



PAY DETAIL FOR RANDOM CLEARING

(F) The existing shoulders shall be raised to match the new pavement elevation by placing 2¼” and variable Size 825B crushed stone on the shoulders (Approximately 3,770 tons). The material shall be bladed, rolled and compacted to a finished slope of 4% where practical. Shoulders with existing adequate shoulder material in place shall be bladed to a slope of 4%; the cost of which shall be included in the prices of other items bid.

(G) Concrete curb and gutter as well as median island pavement repair will be required at the following locations:

Concrete Curb and Gutter

STATION	TYPE	LENGTH (FEET)
234+10	Header	10
241+10	Type 3	10
251+00	Header	10
293+50	Type 3	5
294+00	Type 3	5
297+00	Type 3	10
300+00	Type 3	20

Concrete Median Island Pavement, 4-inch

STATION	LENGTH (FEET)	WIDTH (FEET)	TOTAL (SQUARE YARDS)
269+50	10	12	13.3
265+00	10	2	2.2
297+00	10	12	13.3
320+00	10	12	13.3

* Saw cuts for removal of existing curb and gutter and concrete median island will be considered an absorbed item.

(H) Drainage Items. Culverts listed on the Estimated Drainage Quantities detail below shall be extended by placing reinforced concrete pipe, flared end sections, toe walls, and pipe collars. Approximately 15 cubic yards of Class B Concrete is required for the toe walls and pipe collars. Any select material that may be required will be paid for under pay item 304. Any structure excavation required will be absorbed in other items of work. The roadway shoulders shall be widened in the vicinity of the culvert extensions using pay item 203 according to the detail in the Pipe Extension Typical Section (approximately 1,850 cubic yards). The entire widened area shall be covered with solid sod (approximately 4,200 square yards).

ESTIMATED DRAINAGE QUANTITIES

Station	Type	Flared End Sections				RCP				Class B Conc.	Remarks
		30"	36"	58"x36"	51" x 31"	30"	36"	58" X 36"	51" x 31"		
201+00	4' x 4' Box			2				2		4.78	Ext Rt & Lt
236+50	36" RCP		2				1			1.22	Ext Rt & Lt
241+00	4' x 4' Box			2				2		4.78	Ext Rt & Lt
247+70	30" RCP	2				2				1.44	Ext Rt & Lt
269+00	3' x 3' Box				1				1	0.61	Ext Rt
276+00	30" RCP	1				1	1			2.10	Ext Rt
	TOTALS	3	2	4	1	3	2	4	1	15.0	
		EA	EA	EA	EA	EA	EA	EA	EA	CY.	

General Notes:

- A concrete collar shall be constructed around the arch pipe so as to completely fill all voids between the pipe and the box culvert. Concrete shall be placed on the inside of the pipe to provide a smooth transition between the existing box flowline and the new pipe flowline.
- Any excavation required to shape the ditch will not be paid separately but will be absorbed in other items of work, as well as, stripping of topsoil and any erosion control items needed to prevent erosion
- Any doweling of the reinforcement into the existing structure, as well as, removal of existing structure will be considered incidental to the work and will not be paid separately but will be absorbed in other items of work.

(I) Temporary striping shall conform to finished stripe specifications for alignment, neatness, reflectivity, and straightness. All permanent pavement markings on asphalt shall be hot thermoplastic. Edge lines shall be placed so as to maintain the original lane width. All traffic stripe on bridges shall be removed and replaced with high performance cold plastic or inverted profile thermoplastic. Special care shall be taken for the placement of thermoplastic detail stripe along the edge of pavement at turn-outs on all local roads and along tapers where detail stripe is required as per Typical PM-11. There shall be at least two feet (2') of pavement behind the Traffic Stripe.

(J) All publicly maintained roads and streets shall be marked with two-way clear reflective high performance raised markers according to sheet PM-11 of the Standard Drawings. Red-clear reflective high performance raised markers shall be placed every 40' on US 49 regardless if in tangent or horizontal curves. Any removal of existing raised pavement markers or rumble bars shall be considered an absorbed item. Only flexible adhesive meeting the requirements of Subsection 720.03.7.7 shall be allowed for placement of raised pavement markers. Existing ground mounted delineators shall be removed before paving operations and will be considered an absorbed item.

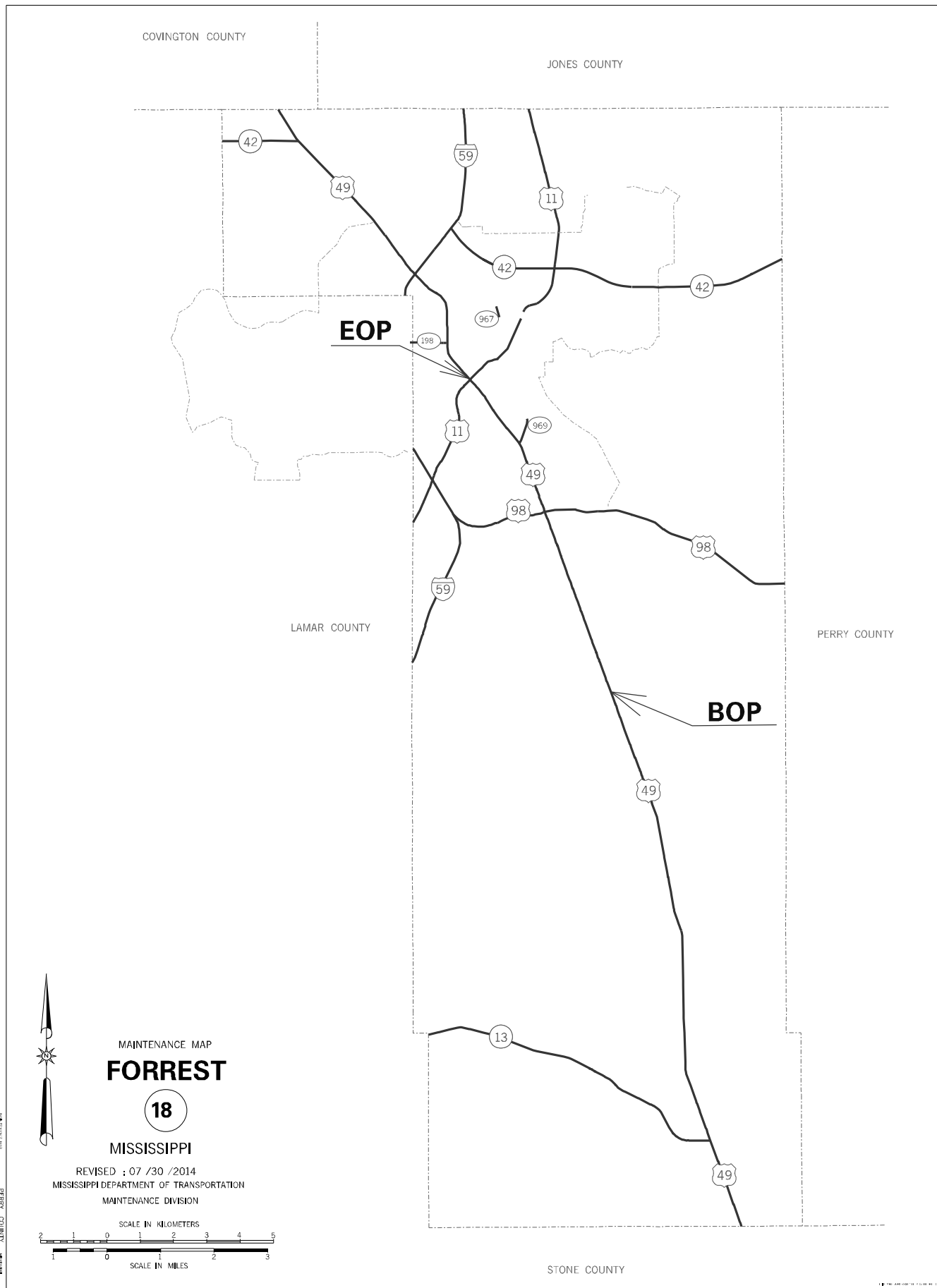
(K) If pavement section marking tape is encountered on this project, it shall be located prior to commencement of work and placed back in the same location after paving operations have ceased. The section marking shall be 6-inch high performance cold plastic detail stripe and shall be four

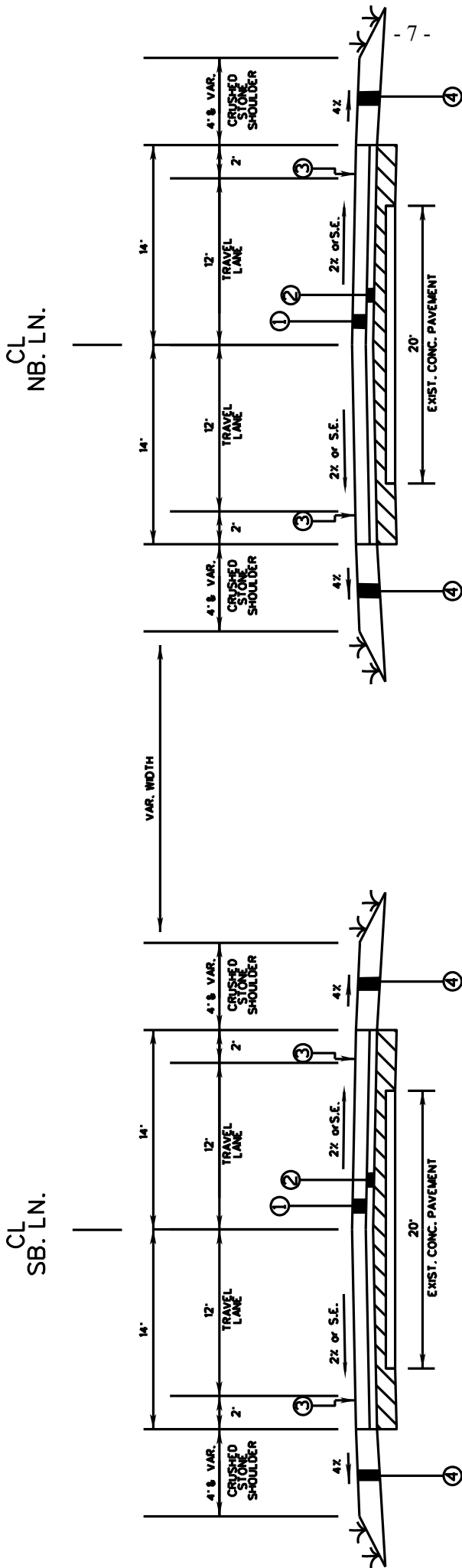
feet (4') in length. The marking shall be centered across the centerline stripe. The cost of this item shall be absorbed in other bid items.

(L) The Contractor shall erect and maintain construction signing, and provide all signs and traffic handling devices, and shall provide two portable R16-3 signs per work zone or lane closure in addition to signs required by standard drawings in accordance with Manual Uniform Traffic Control Devices (MUTCD). The cost of this work shall be included in the price bid for pay item 618-A: Maintenance of Traffic.

(M) Incidental work such as removing vegetation, shaping and compaction of shoulder, removing excess asphalt material, project clean-up, and other incidental work necessary to complete the project will not be measured for separate payment, and should be included in other bid items, and must be performed during the operating hours for this project.

(N) It shall be the responsibility of the Contractor to protect existing structures such as pipes, inlets, aprons, etc. from damage which might occur during construction. The Contractor shall replace or repair, as directed by the Engineer, any structures damaged by the Contractor during the life of the contract. No payment will be made for the replacement or repair of damaged items.





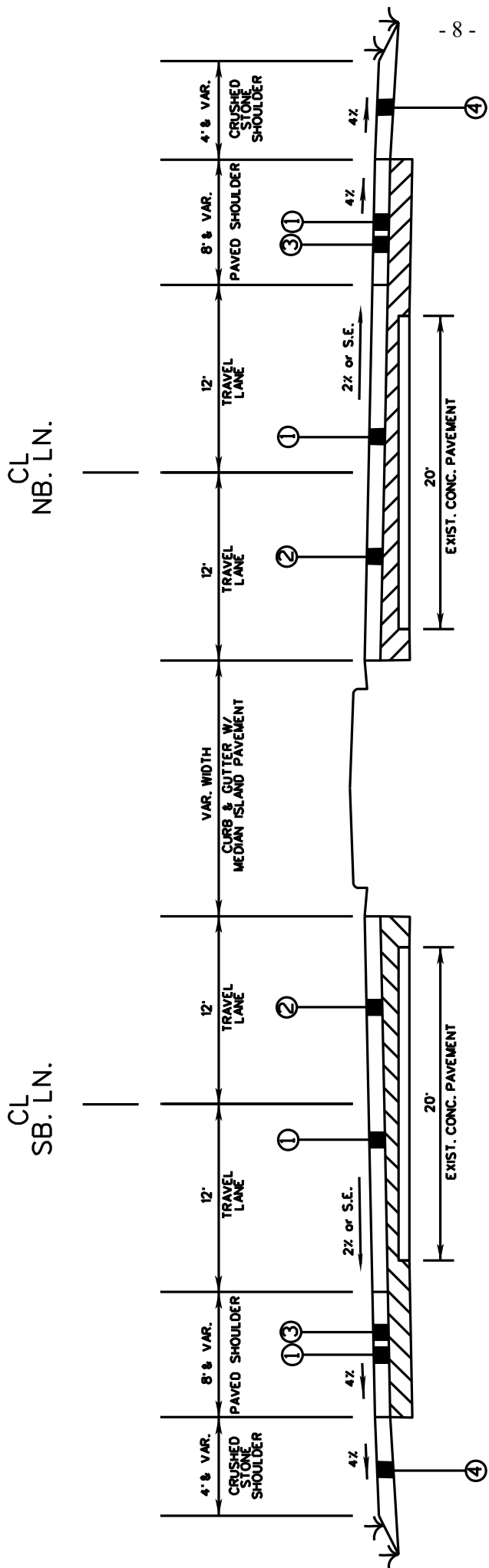
TYPICAL SECTION

LEVEL & OVERLAY

US 49

STA. 10+00 TO STA. 18+00
 STA. 75+00 TO STA. 180+00

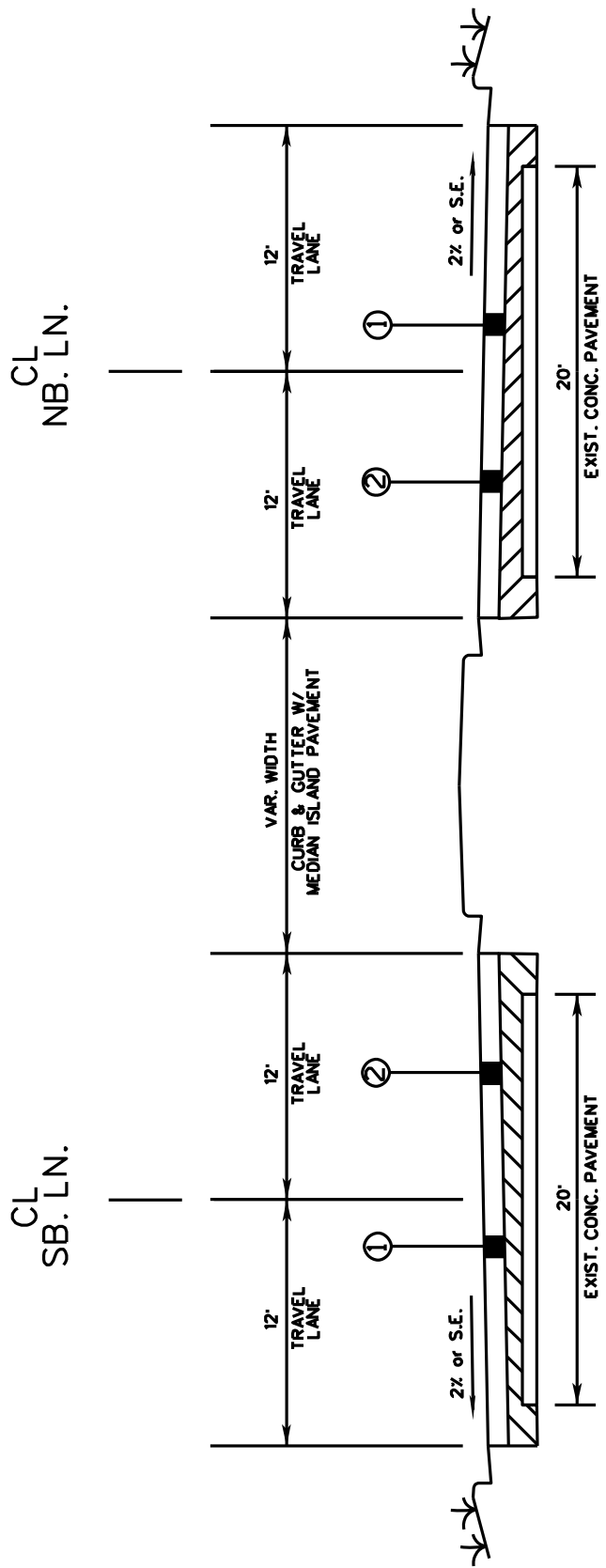
- ① 1 1/2" ASPHALT PAVEMENT, HT POLYMER MODIFIED, 9.5mm MIXTURE
- ② 3/4" ULTRA-THIN, LEVELING, ASPHALT MIXTURE
- ③ RUMBLE STRIP
- ④ 2 1/4" & VAR. 825B CRUSHED STONE SHOULDERS



TYPICAL SECTION
 MILL & OVERLAY WITHIN MEDIAN ISLAND SECTION
 US 49

STA. 230+00 TO STA. 295+00
 STA. 310+00 TO STA. 331+50

- ① 1 1/2" FINE MILLING
- ② 1 1/2" ASPHALT PAVEMENT, HT POLYMER MODIFIED, 9.5mm MIXTURE
- ③ 1 1/2" ASPHALT PAVEMENT, ST, 9.5mm MIXTURE
- ④ 1 1/2" & VAR. 825B CRUSHED STONE SHOULDERS



TYPICAL SECTION

MILL & OVERLAY WITHIN MEDIAN ISLAND AND OUTSIDE CURB & GUTTER SECTION

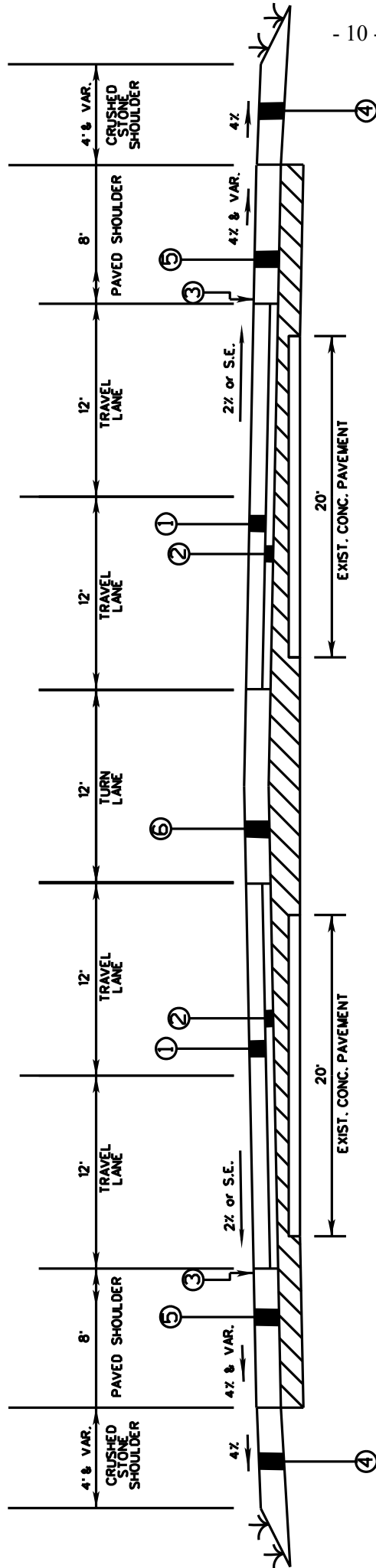
US 49

STA. 295+00 TO STA. 310+00

- ① 1 1/2" FINE MILLING
- ② 1 1/2" ASPHALT PAVEMENT, HT POLYMER MODIFIED, 9.5mm MIXTURE

CL
SB. LN.

CL
SB. LN.



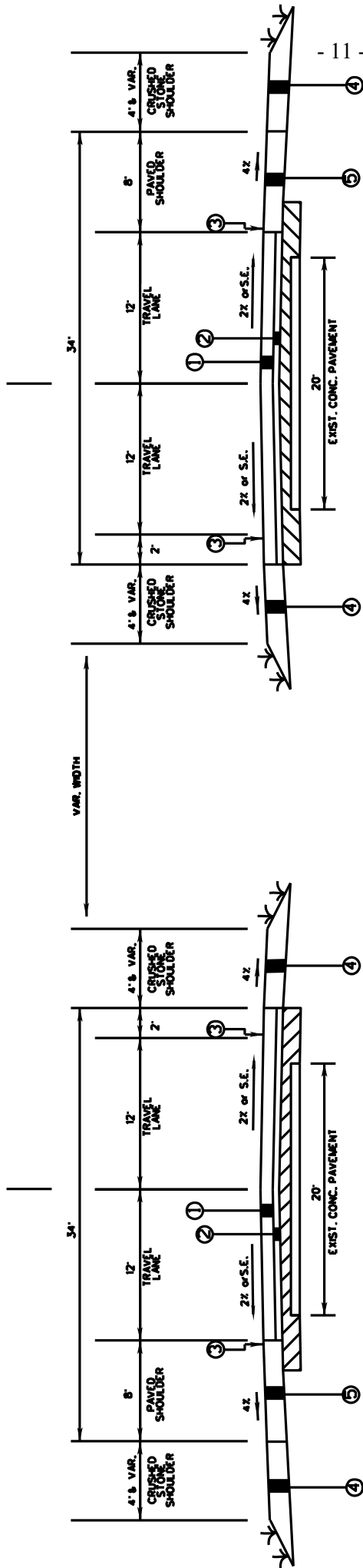
TYPICAL SECTION
 LEVEL & OVERLAY WITH PAVED OUTSIDE SHOULDER
 US 49

STA. 180+00 TO STA. 230+00

- ① 1 1/2" ASPHALT PAVEMENT, HT POLYMER MODIFIED, 9.5mm MIXTURE
- ② 3/4" ULTRA-THIN, LEVELING, ASPHALT MIXTURE
- ③ RUMBLE STRIP
- ④ 1 1/2" & VAR. 825B CRUSHED STONE SHOULDERS
- ⑤ 1 1/2" & VAR. DEPTH ASPHALT PAVEMENT, ST, 9.5mm MIXTURE
- ⑥ 2 1/4" & VAR. DEPTH ASPHALT PAVEMENT, HT POLYMER MODIFIED, 9.5mm Mixture

CL
SB. LN.

CL
NB. LN.



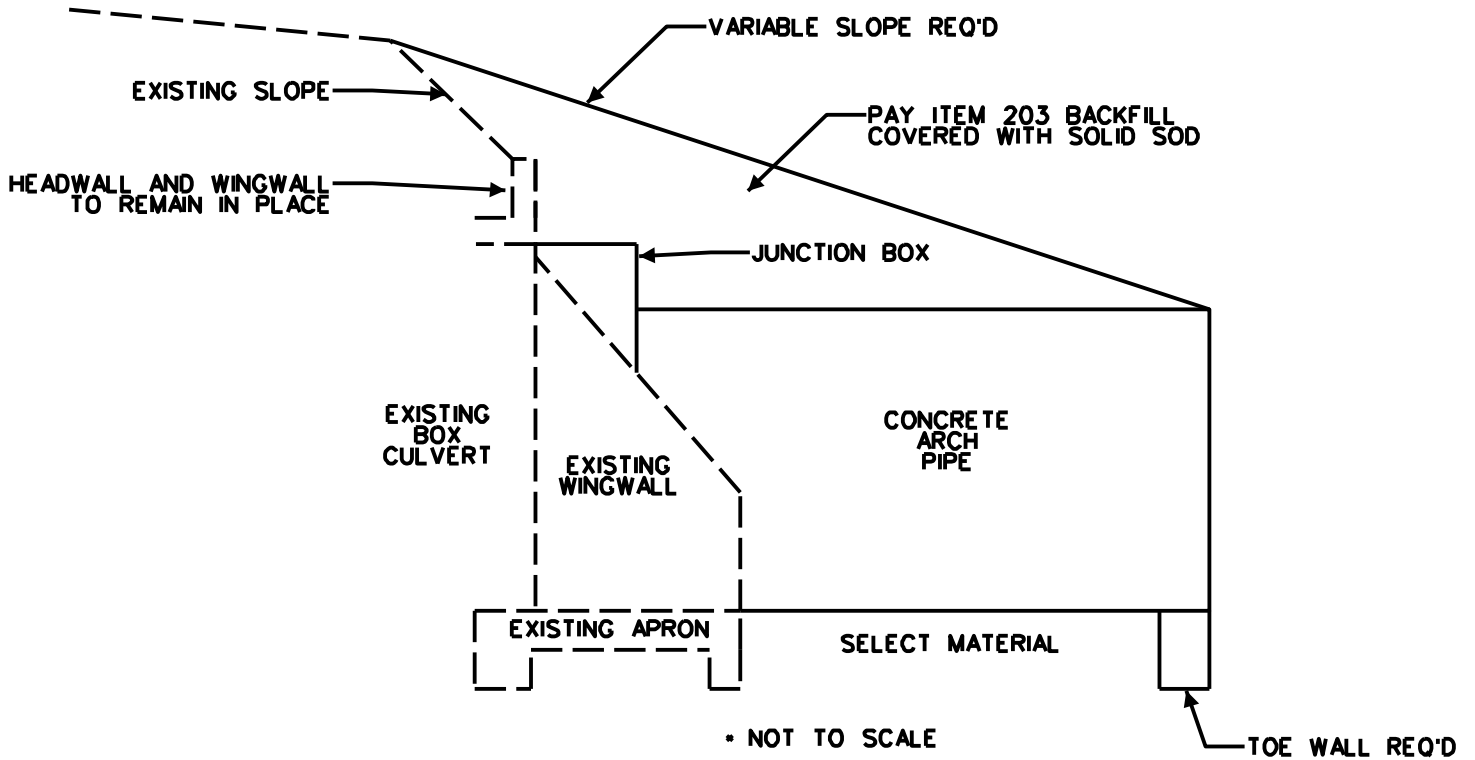
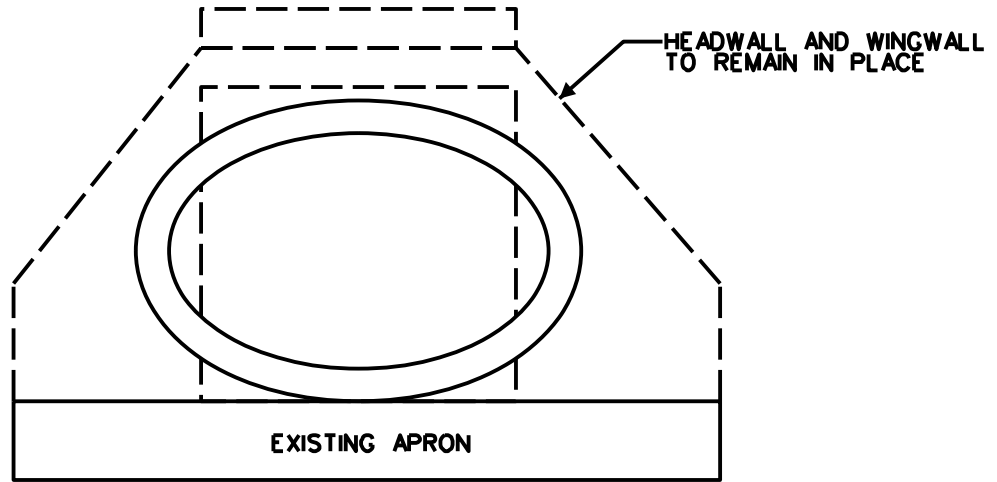
- 11 -

TYPICAL SECTION
LEVEL & OVERLAY WITH PAVED OUTSIDE SHOULDER
US 49

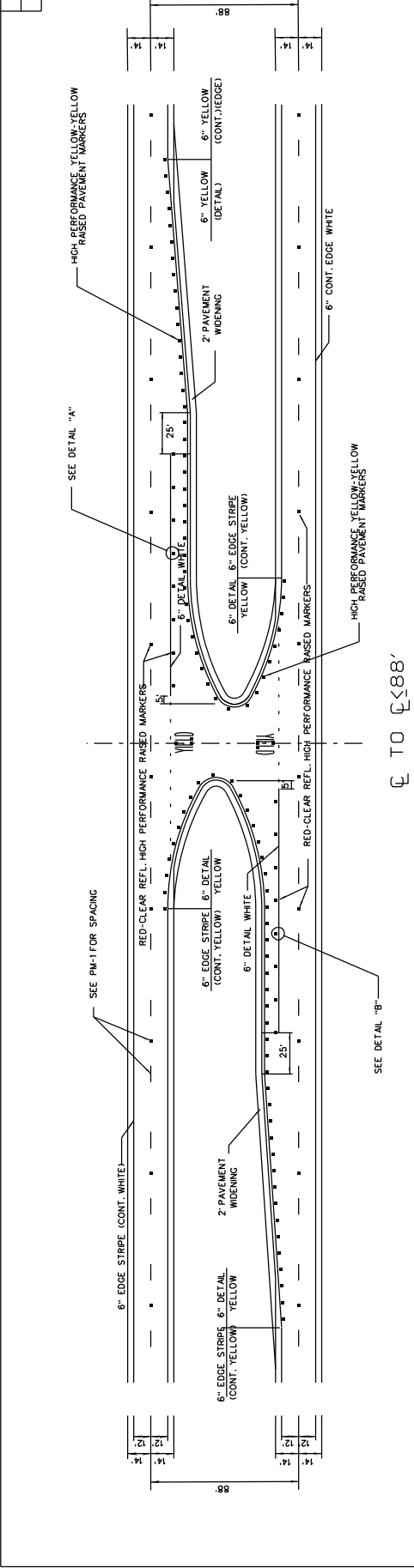
STA. 18+00 TO STA. 55+50
STA. 59+70 TO STA. 75+00

- ① 1 1/2" ASPHALT PAVEMENT, HT POLYMER MODIFIED, 9.5mm MIXTURE
- ② 3/4" ULTRA-THIN, LEVELING, ASPHALT MIXTURE
- ③ RUMBLE STRIP
- ④ 2 1/4" & VAR. 825B CRUSHED STONE SHOULDERS
- ⑤ 1 1/2" & VAR. ASPHALT PAVEMENT, ST 9.5

JUNCTION BOX FOR BOX CULVERT TO CONCRETE ARCH PIPE

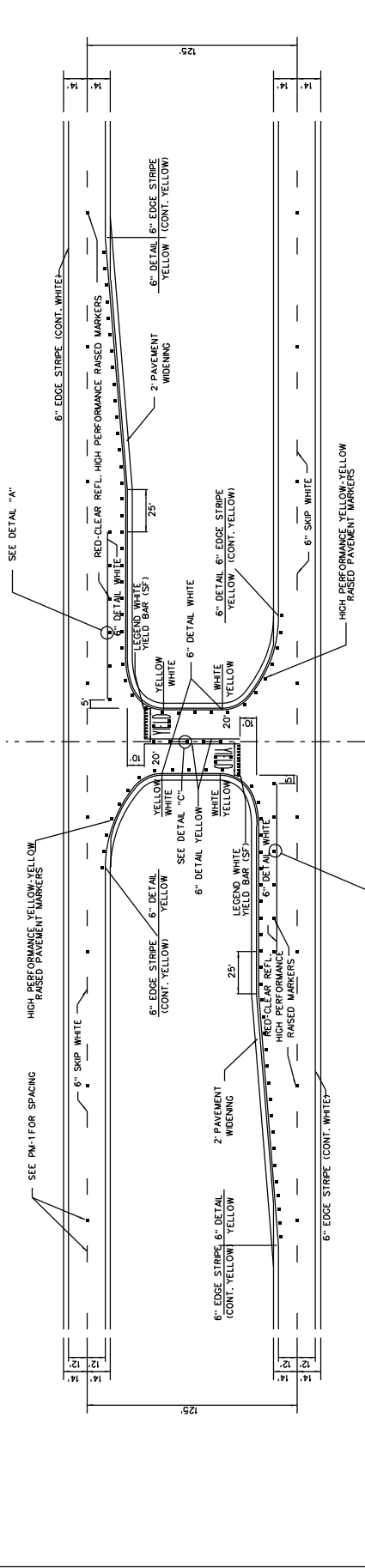


1. MDOT STANDARD DRAWING JB-1A TO BE REFERENCED FOR CONSTRUCTION DETAILS
2. ANY DOWELING OF THE REINFORCEMENT INTO THE EXISTING STRUCTURE WILL BE ABSORBED IN OTHER ITEMS OF WORK.



NOTE: FOR WIDER ϕ TO ϕ SPACINGS, REFER TO OTHER SHEETS IN PLANS

NOTE: SEE PM-6 FOR YIELD BAR DETAILS



125' ϕ TO ϕ > 88'

NOTE: FOR WIDER ϕ TO ϕ SPACINGS, REPLACE YIELD BARS WITH -STOP- AND STOP BARS.

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MISSISSIPPI DEPARTMENT OF TRANSPORTATION
CROSSOVER DELINEATION

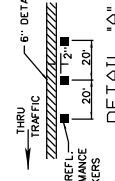
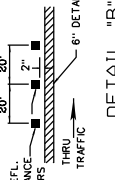
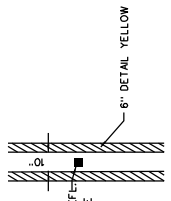
D6 TYPICAL PAVEMENT MARKING DETAIL FOR MEDIAN CROSSOVERS

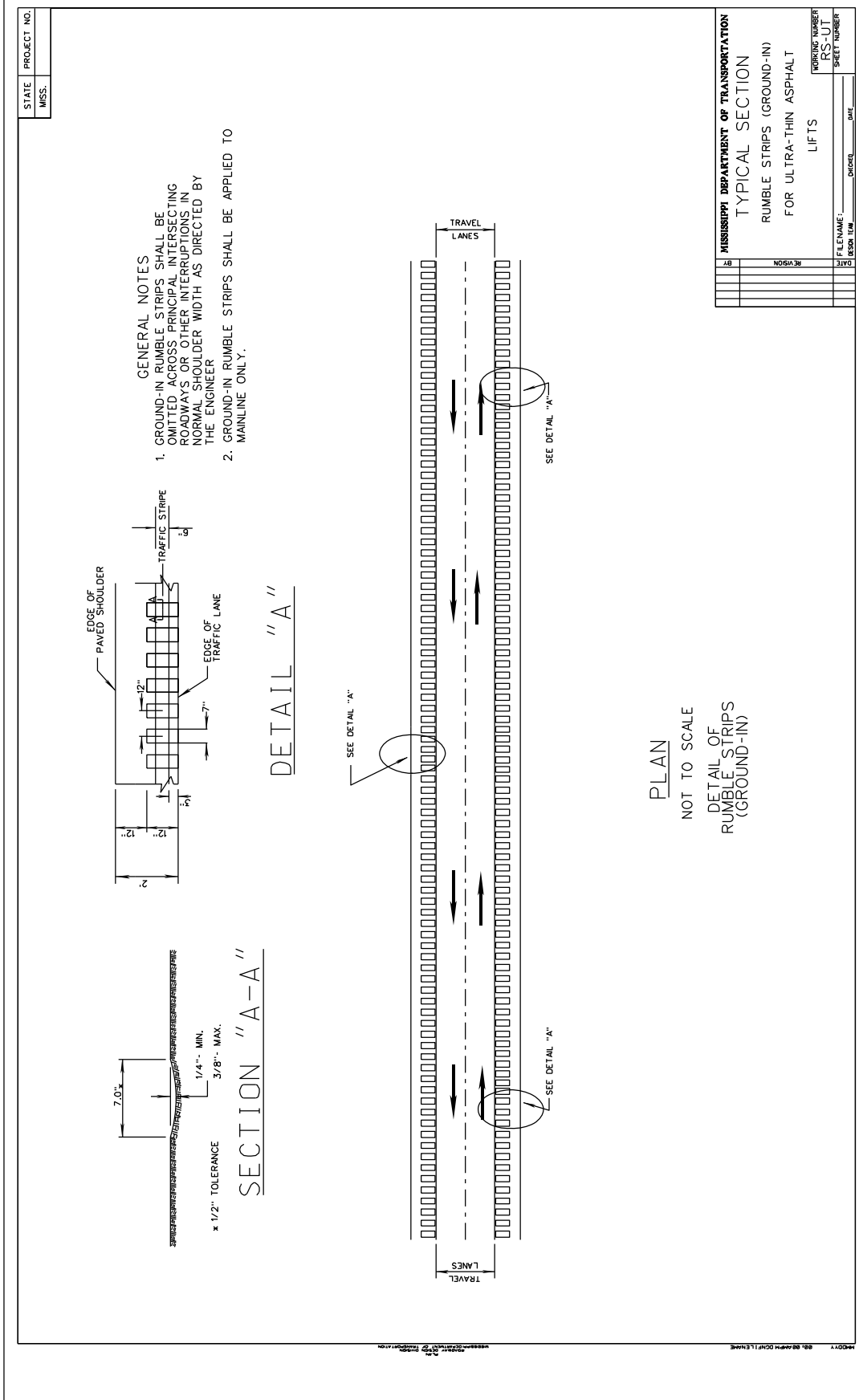
DATE	REVISION

ISSUE DATE: AUGUST 01, 2017

WORKING NUMBER: D6-10

SHEET NUMBER: 6059





Mill & Overlay approximately 6 miles of US 49 from Myers Creek to US 11, known as State Project No. MP-6049-18(025) / 308565301 in Forrest County.

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
Roadway Items					
0010	201-D001		116	Station	Random Clearing
0020	202-B051		60	Linear Feet	Removal of Concrete Curb
0030	202-B136		3,195	Linear Feet	Removal of Guard Rail
0040	202-B168		50	Square Yard	Removal of Island Pavement, All Types
0050	202-B240		25,490	Linear Feet	Removal of Traffic Stripe
0060	203-EX018	(E)	1,850	Cubic Yard	Borrow Excavation, AH, FME, Class B7-6
0070	216-A001		4,200	Square Yard	Solid Sodding
0080	304-F003	(GT)	3,770	Ton	Size 825B Crushed Stone Base
0090	403-A015	(BA1)	9,440	Ton	9.5-mm, ST, Asphalt Pavement
0100	403-D007	(BA1)	18,150	Ton	9.5-mm, HT, Asphalt Pavement, Polymer Modified
0110	406-D001		140,000	Square Yard	Fine Milling of Bituminous Pavement, All Depths
0120	407-A001	(A2)	32,150	Gallon	Asphalt for Tack Coat
0130	413-E001		37,964	Linear Feet	Sawing and Sealing Transverse Joints in Asphalt Pavement
0140	423-A001		17	Mile	Rumble Strips, Ground In
0150	601-B001	(S)	15	Cubic Yard	Class "B" Structural Concrete, Minor Structures
0160	602-A001	(S)	519	Pounds	Reinforcing Steel
0170	603-CA041	(S)	24	Linear Feet	30" Reinforced Concrete Pipe, Class III, Rubber Type Gaskets
0180	603-CA056	(S)	16	Linear Feet	36" Reinforced Concrete Pipe, Class III, Rubber Type Gaskets
0190	603-CB005	(S)	3	Each	30" Reinforced Concrete End Section
0200	603-CB006	(S)	2	Each	36" Reinforced Concrete End Section
0210	603-CE024	(S)	8	Linear Feet	51" x 31" Concrete Arch Pipe, Class A III, Flexible Plastic Gaskets
0220	603-CE029	(S)	32	Linear Feet	58" x 36" Concrete Arch Pipe, Class A III, Flexible Plastic Gaskets
0230	603-CF006	(S)	1	Each	51" x 31" Concrete Arch Pipe End Section
0240	603-CF007	(S)	4	Each	58" x 36" Concrete Arch Pipe End Section
0250	606-B003		2,563	Linear Feet	Guard Rail, Class A, Type 1, 'W' Beam, Metal Post
0260	606-C001		3	Each	Guard Rail, Cable Anchor Type 1, Metal Post
0270	606-D001		12	Each	Guard Rail, Bridge End Section
0280	606-E005		13	Each	Guard Rail, Terminal End Section, Flared
0290	606-E007		2	Each	Guard Rail, Terminal End Section, Non-Flared
0300	609-B002	(S)	10	Linear Feet	Concrete Curb, Header
0310	609-D006	(S)	50	Linear Feet	Combination Concrete Curb and Gutter Type 3
0320	616-A004	(S)	50	Square Yard	Concrete Median and/or Island Pavement, 4-inch
0330	618-A001		1	Lump Sum	Maintenance of Traffic

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0340	618-B001		1	Square Feet	Additional Construction Signs [\$10.00]
0350	619-A1001		35	Mile	Temporary Traffic Stripe, Continuous White
0360	619-A2001		27	Mile	Temporary Traffic Stripe, Continuous Yellow
0370	619-A3001		48	Mile	Temporary Traffic Stripe, Skip White
0380	619-A4002		3	Mile	Temporary Traffic Stripe, Skip Yellow
0390	619-A5001		62,630	Linear Feet	Temporary Traffic Stripe, Detail
0400	619-A6001		1,438	Square Feet	Temporary Traffic Stripe, Legend
0410	619-A6002		2,275	Linear Feet	Temporary Traffic Stripe, Legend
0420	620-A001		1	Lump Sum	Mobilization
0430	626-A001		13	Mile	6" Thermoplastic Double Drop Traffic Stripe, Skip White
0440	626-B002		1	Mile	6" Thermoplastic Double Drop Traffic Stripe, Continuous White
0450	626-C002		17	Mile	6" Thermoplastic Double Drop Edge Stripe, Continuous White
0460	626-D001		2	Mile	6" Thermoplastic Double Drop Traffic Stripe, Skip Yellow
0470	626-E001		5	Mile	6" Thermoplastic Double Drop Traffic Stripe, Continuous Yellow
0480	626-F001		10	Mile	6" Thermoplastic Double Drop Edge Stripe, Continuous Yellow
0490	626-G002		46,057	Linear Feet	Thermoplastic Detail Stripe, White
0500	626-G003		28,022	Linear Feet	Thermoplastic Detail Stripe, Yellow
0510	626-H004		2,725	Square Feet	Thermoplastic Legend, White
0520	626-H005		6,260	Linear Feet	Thermoplastic Legend, White
0530	627-J001		1,525	Each	Two-Way Clear Reflective High Performance Raised Markers
0540	627-K001		4,115	Each	Red-Clear Reflective High Performance Raised Markers
0550	627-L001		2,125	Each	Two-Way Yellow Reflective High Performance Raised Markers
0560	628-K001		740	Linear Feet	High Performance Cold Plastic Detail Stripe, White
0570	630-F006		73	Each	Delineators, Guard Rail, White
0580	630-F007		36	Each	Delineators, Guard Rail, Yellow
0590	630-G005		16	Each	Type 3 Object Markers, OM-3R or OM-3L, Post Mounted
0600	907-411-A001	(BA1)	5,320	Ton	Ultra Thin Asphalt Pavement
ALTERNATE GROUP AA NUMBER 1					
0610	907-624-A002		1,225	Linear Feet	6" Inverted Profile Thermoplastic Traffic Stripe, Skip White
0620	907-624-B002		11,665	Linear Feet	6" Inverted Profile Thermoplastic Traffic Stripe, Continuous White
0630	907-624-D002		12,160	Linear Feet	6" Inverted Profile Thermoplastic Traffic Stripe, Continuous Yellow
ALTERNATE GROUP AA NUMBER 2					
0640	628-G001		1,225	Linear Feet	6" High Performance Cold Plastic Traffic Stripe, Skip White
0650	628-H001		11,665	Linear Feet	6" High Performance Cold Plastic Traffic Stripe, Continuous White

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0660	628-J001		12,160	Linear Feet	6" High Performance Cold Plastic Traffic Stripe, Continuous Yellow