

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> 7/19/2023 </u>	ADDENDUM NO.	<u> </u>	DATED	<u> </u>
ADDENDUM NO.	<u> </u>	DATED	<u> </u>	ADDENDUM NO.	<u> </u>	DATED	<u> </u>
ADDENDUM NO.	<u> </u>	DATED	<u> </u>	ADDENDUM NO.	<u> </u>	DATED	<u> </u>

Number	Description
1	Revised Notice To Bidders No. 5144; 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
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_____	Secretary	Address
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_____	Treasurer	Address
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The following is my (our) itemized proposal.
 NHPP-0032-01(046)/ 108704301000
 Pearl River County(ies)

Revised 01/26/2016

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 5144

CODE: (SP)

DATE: 07/06/2023

SUBJECT: Scope of Work

PROJECT: NHPP-0032-01(046) / 108704301 – Pearl River 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:

SR 43
OVERLAY 6 MILES OF SR 43 FROM I-59 TO
THE INTERSECTION OF WALKIAH BLUFF ROAD

Work on this project shall consist of improvements to SR 43 in Pearl River County. Improvements include the addition of a turn lane, milling of asphalt, asphalt overlay, placing shoulder material, application of striping and raised pavement markers, and replacement of guardrail delineators and object markers.

General Notes

1. 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.
2. It shall be the responsibility of the Contractor to protect existing structures such as pipes, inlets, aprons, bridges, 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.
3. The Contractor shall erect and maintain construction signing and provide all signs and traffic handling devices in accordance with Manual Uniform Traffic Control Devices (MUTCD). All construction signing as well as plastic traffic drums and barricades are included in the pay item 618-A: Maintenance of Traffic. Fluorescent orange sheeting shall be used on all construction and traffic control signs except for R4-1 and R4-2 signs which shall be black legend and border on white background.
4. 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, but will be included in other bid items.

5. The Mean Roughness Index (MRI) shall be used to determine the pavement smoothness.
6. If ponding occurs on any asphalt surface placed as a part of this project, it shall be removed and replaced immediately at no additional cost to the Department.
7. Temporary and permanent striping shall be placed where existing stripes are located, and shall conform to finished stripe specifications for alignment, neatness, reflectivity, and straightness. When the centerline or turn lane stripe is removed during milling operations, temporary stripe shall be placed prior to opening the roadway to traffic (absorbed item). All permanent pavement markings on asphalt shall be hot thermoplastic. Edge lines shall be placed so as to maintain the original lane width. High performance cold plastic / inverted profile thermoplastic traffic stripe shall be placed on bridges throughout the project limits.
8. Only flexible adhesive meeting the requirements of Subsection 720.03.7.7 of the Standard Specifications will be allowed for placement of raised pavement markers.
9. If pavement section marking tape is encountered on this project, it shall be located prior to overlaying and placed back in same location after paving operations have ceased. The section marking shall be 8-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.
10. Roadway signs that conflict with construction of this project shall be removed and relocated by the Contractor as directed by the Engineer; the cost of which shall be absorbed in other items bid.
11. Erection dates shall be legibly written in bold, black markings on the back of all permanent signs with a permanent marking stick that is waterproof, fade resistant, and marks on wet or dry surfaces.
12. The Contractor is responsible for verifying and installing all devices within MDOT Right-of-Way limits.
13. Underground utilities have not been identified. The Contractor shall be responsible for making independent investigations, including subsurface investigations, as may be necessary. The Contractor shall locate storm drains, lighting circuits, foundations, and bridge foundations to avoid any damage to existing structures. For a list of public utilities, contact 811 & public utilities.
14. The Contractor shall coordinate with Contractors from any adjacent projects if applicable.

Pavement Items

1. Widening of the roadway shall be performed at Richardson Road intersection to allow for the addition of northbound and southbound left turn lanes. The widening will be north of the

intersection approximately 300 feet long and 12 feet wide. The tapers are not included in these measurements.

It is estimated that 175 tons of 19-mm, ST asphalt and 125 tons of 12.5-mm, ST asphalt will be used for the widening of the roadway.

It is estimated that 260 tons of pay item 304 material will be used for the widening of the roadway.

2. Prior to milling operations, the Contractor shall remove all raised pavement markers so that the pavement is accessible for milling. Plastic drums or other approved devices shall be used for temporary traffic control. Raised pavement markers will be placed at 40 feet intervals along the centerline of roadway.
3. Milling will be required at the BOP/EOP, tie-ins with bridges/guardrails, and tie-ins with local roads (See Typical Drawings). Fine milling of the entire roadway will be required between all bridge guardrails. In addition, the area from approximately STA# 18+06 to STA# 87+38 will require 1½" milling of the entire roadway.

Milled surfaces shall be covered with surface asphalt within seven (7) calendar days of removal. The Contractor will be charged a fee of \$5,000 for each full or partial day in which the milled surface is left uncovered after the seven (7) calendar days.

Twenty percent (20%) or 1,000 tons, whichever is less, of the milled asphalt shall be delivered to the MDOT Maintenance Office in Pearl River County.

4. SR 43 shall be overlaid from the BOP to the EOP (**excluding** milled areas) with a ¾" leveling lift. SR 43 shall be overlaid from the BOP to the EOP (**excluding** milled areas) with a ¾" surface lift. Local roads and driveways shall be overlaid with a 1½" surface lift. An Ultra-Thin asphalt mix is required for the mainline of this overlay (**excluding** milled areas). A 9.5-mm, MT asphalt is required for the surface lift in the milled areas (BOP to approximately STA# 87+38). A 9.5-mm, ST asphalt is required for the surface lift on local roads and driveways.

It is estimated that 7975 tons of Ultra-Thin Asphalt will be used for the mainline leveling and surface lifts, and 1250 tons of 9.5-mm, ST asphalt will be used for the surface lift of the local roads and driveways. In addition it is estimated that 6609 tons of 9.5-mm, MT asphalt will be used for the surface lift in the mainline milled areas.

Publicly maintained roads or streets shall be surfaced to the existing R.O.W. Any site grading at local roads or drives will not be measured for separate payment but will be considered an absorbed item.

5. A 12-inch rumble strip shall be milled along the inside of the 2-foot paved shoulder and the traffic stripe placed on the inside six inches of the rumble strip. Rumble strips will be required from approximately STA# 101+75 to STA# 333+06. Rumble strips shall not be

installed in residential or commercial areas and any other areas designated by the Project Engineer.

6. The existing shoulders shall be raised to match the new pavement with pay item 304 material. Placement of the shoulder material on the finished surface course shall not be permitted. The material shall be bladed, rolled, and compacted to a finished slope of 4% where practical.

Pavement Marking Items

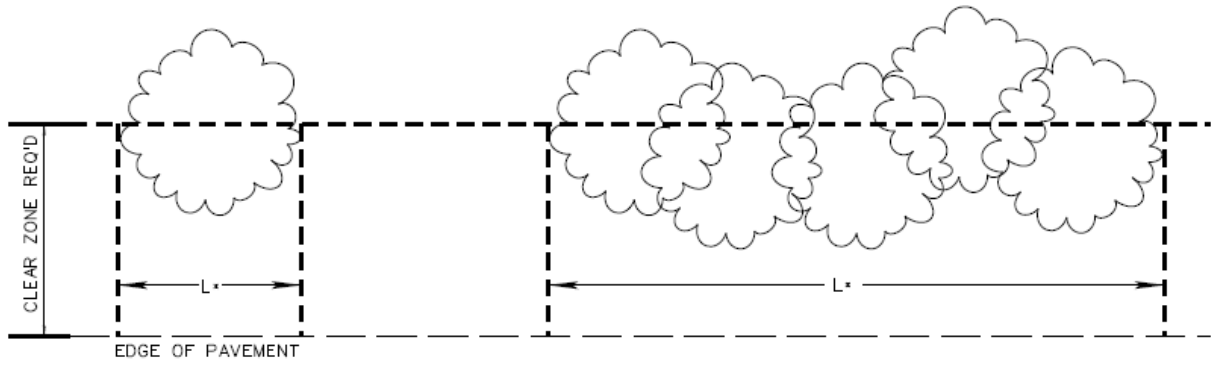
1. Temporary stripe along the mainline, as well as temporary detail stop bars of all intersecting local roads shall be placed on the milled surface and the asphalt surface upon the completion of mainline operations. Temporary and permanent striping shall be placed according to Standard Drawing PM-14, and shall conform to finished stripe specifications for alignment, neatness, reflectivity, and straightness.
2. Regardless of the spacing shown on Standard Drawing PM-1, raised pavement markers shall be placed along the centerline of roadway at 40-foot intervals in tangent sections and in horizontal curve sections. Only flexible adhesive meeting the requirements of Subsection 720.03.7.7 of the Standard Specifications shall be used for placement of raised pavement markers.

Guard Rail, Object Markers and Guard Rail Delineators

1. All guardrails shall be MASH compliant. The Contractor shall furnish the Project Engineer two (2) copies of the manufacture's installation instructions prior to beginning guardrail operations. All terminal end sections shall be marked with a Samford Mean Streak grease pen to identify type installed. Any site grading and all fill material necessary at the guardrail locations will not be measured for separate payment but will be absorbed in other guardrail pay items. Guard rail pads shall be overlaid prior to placing guardrail and will be paid for under 9.5-mm, ST asphalt.
2. All object markers and guard rail delineators within the project limits shall be replaced. Object markers and delineators will be measured by the unit. Each unit shall include a new post, fastener, and single or multiple signs. Existing object markers and delineators will become property of the contractor when removed. Work involving the removal of existing delineators and markers shall be included in the bid for each respective pay item.

Random Clearing

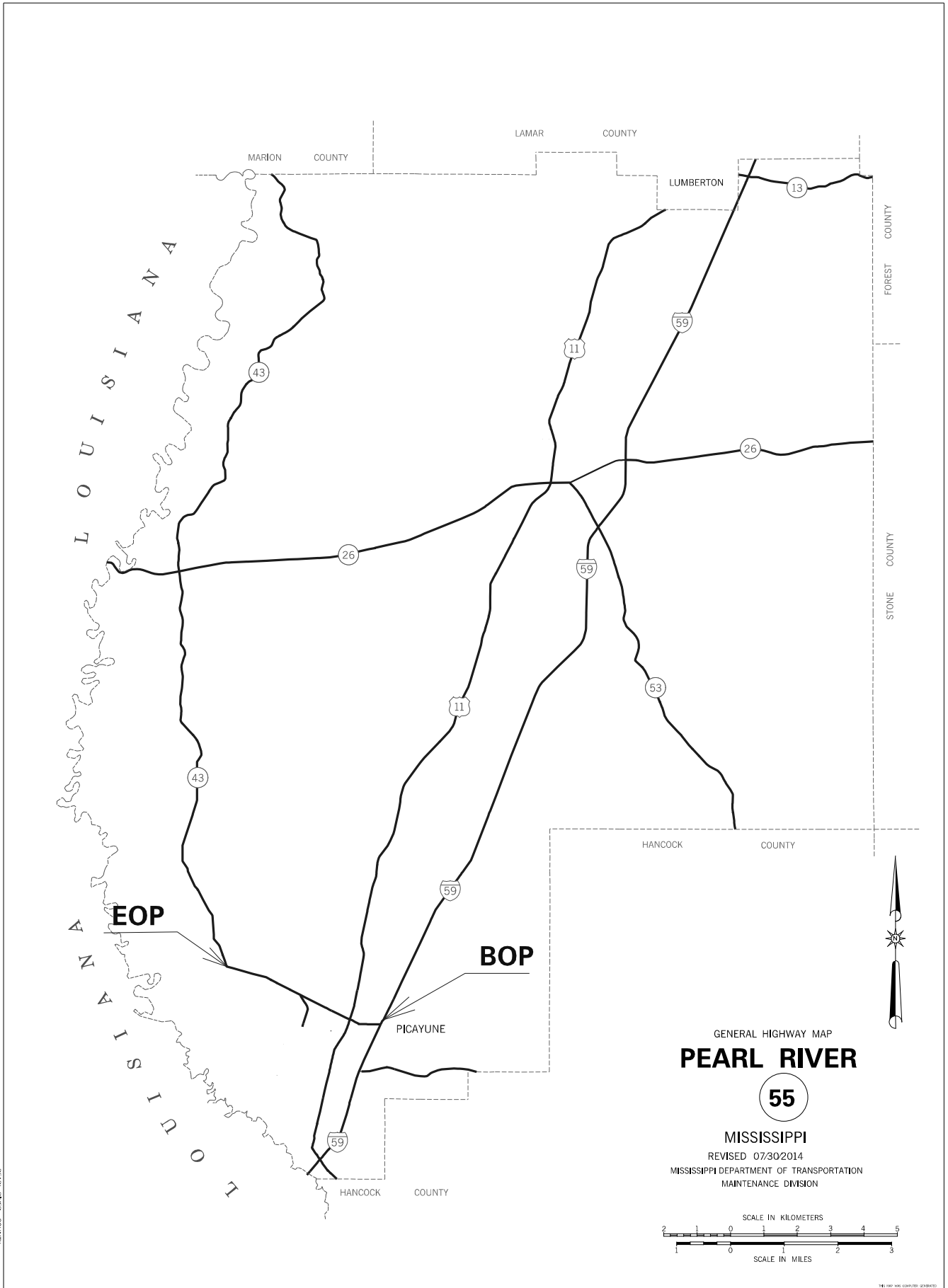
Random clearing shall be performed within the specified clearing limits, including vegetation overhanging the edge of the clearing limits. Overhanging vegetation should be trimmed to a minimum height of 30 feet above the ground elevation at the edge of the clearing limits. It is the intent of this Contract for the vegetation, apart from any merchantable timber that the Contractor desires, to be mulched onsite and left in place. Mulched material shall be spread such that no more than four inches (4") in depth of material is placed in any 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 Engineer within the ROW is to be omitted in order to avoid damages. The clearing limits are thirty (30) feet on each side of roadway centerline within the limits of the project.



* PAY LENGTH (STA.) = L (FT.) / 100

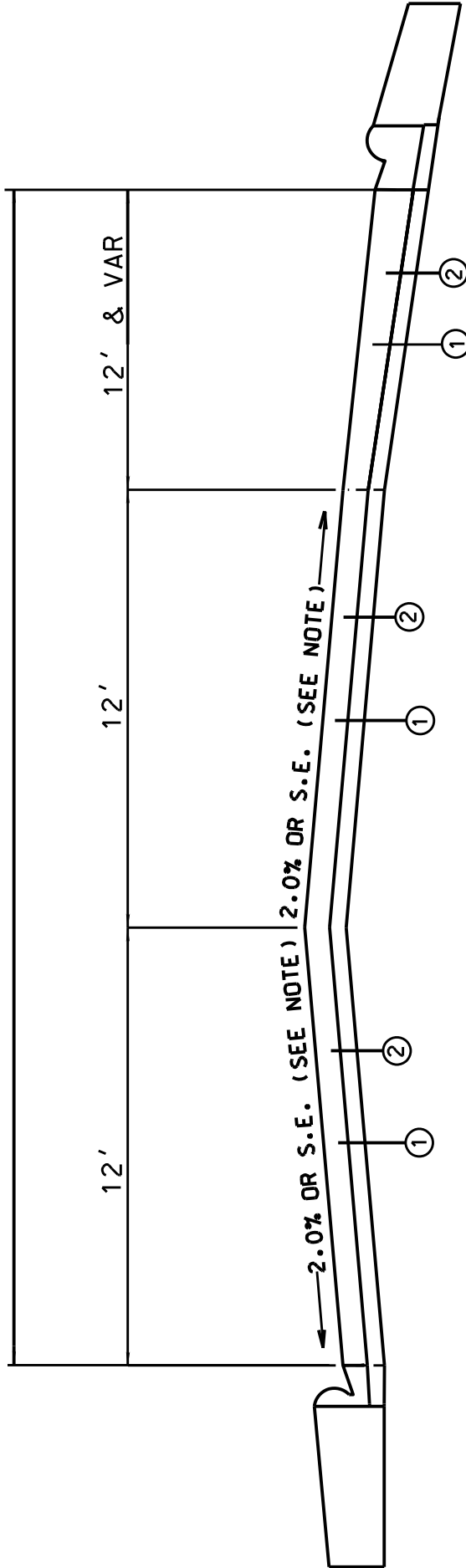
EDGE OF PAVEMENT

PAY DETAIL FOR RANDOM CLEARING

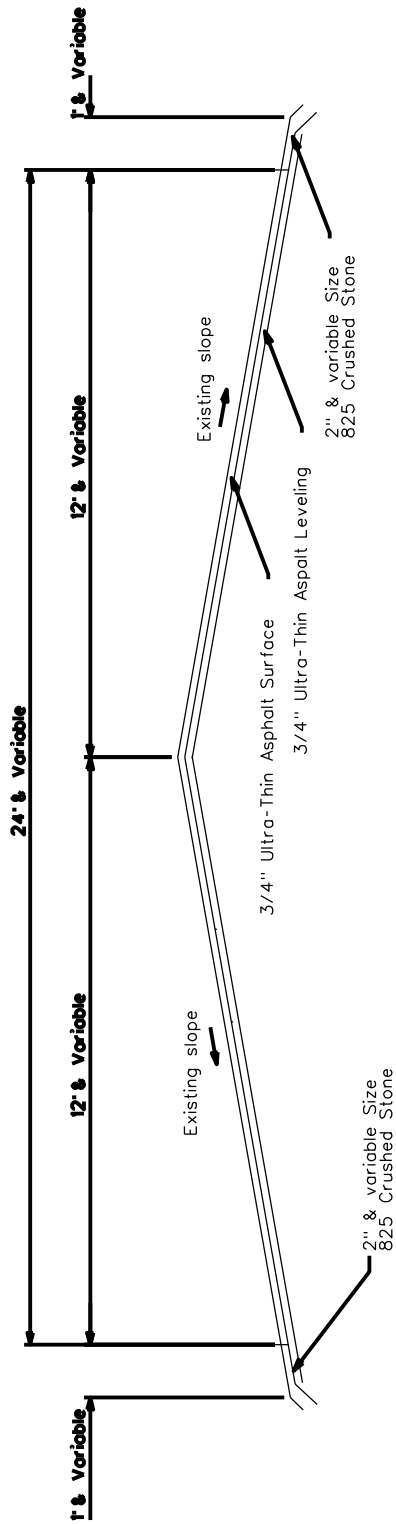


TYPICAL SECTION SR 43
STA. 18+06 TO STA. 87+38
CENTER LINE IN DIRECTION OF TRAVEL

36' & VARIABLE



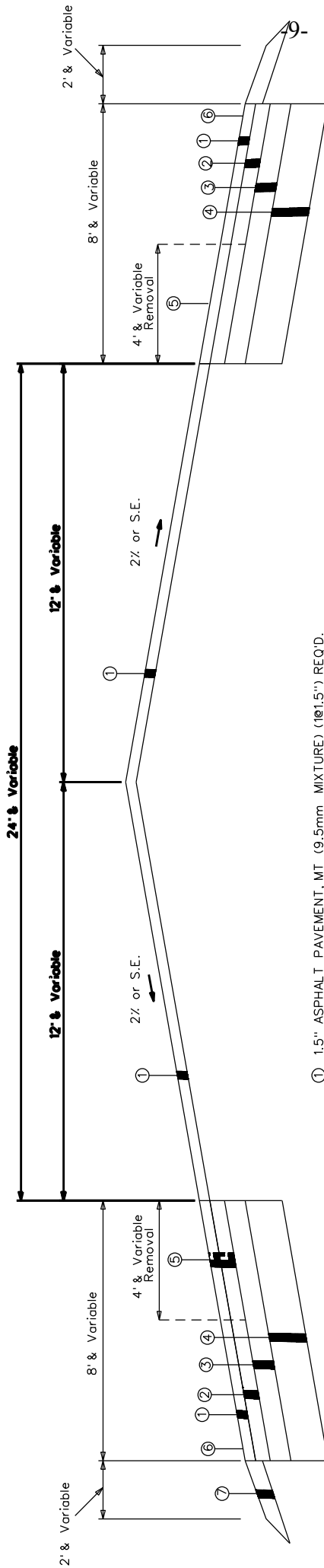
- ① 1-1/2" FINE MILL
- ② 1-1/2" 9.5mm MT. HMA SURFACE COURSE



NOTES:

(1) THE EXISTING PAVEMENT EDGE SHALL BE CUT TO A SMOOTH AND NEAR VERTICAL FACE WITH AN APPROVED CUTTING DEVICE. (NOTE MEASURED FOR SEPARATE PAY.)

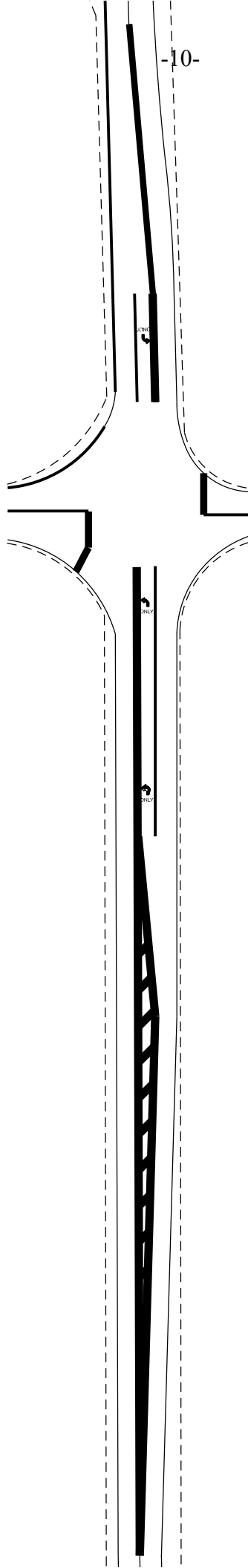
(2) TRUE CENTERLINE PAVEMENT ALIGNMENT SHALL BE DETERMINED BY THE CONTRACTOR BY MEASURING THE EXISTING ROADWAY AT 500ft. INTERVALS IN TANGENT SECTIONS, AND 100ft. INTERVALS IN HORIZONTAL CURVES.



- ① 1.5" ASPHALT PAVEMENT, MT (9.5mm MIXTURE) (101.5") REQ'D.
- ② 2.0" ASPHALT PAVEMENT, MT (12.5mm MIXTURE) (102.0") REQ'D.
- ③ 3.0" ASPHALT PAVEMENT, ST (19mm MIXTURE) (103.0") REQ'D.
- ④ 6" AND VARIABLE DEPTH CRUSHED STONE BASE REQ'D.
- ⑤ REMOVAL OF EXISTING 4' AND VARIABLE PAVED SHOULDER
- ⑥ RUMBLE STRIP
- ⑦ 2" AND VARIABLE DEPTH CRUSHED STONE BASE REQ'D.

NOTES:

- (1) THE EXISTING PAVEMENT EDGE SHALL BE CUT TO A SMOOTH AND NEAR VERTICAL FACE WITH AN APPROVED CUTTING DEVICE. (NOTO MEASURED FOR SEPARATE PAY.)
- (2) TRUE CENTERLINE PAVEMENT ALIGNMENT SHALL BE DETERMINED BY THE CONTRACTOR BY MEASURING THE EXISTING ROADWAY AT 500ft. INTERVALS IN TANGENT SECTIONS, AND 100ft. INTERVALS IN HORIZONTAL CURVES.

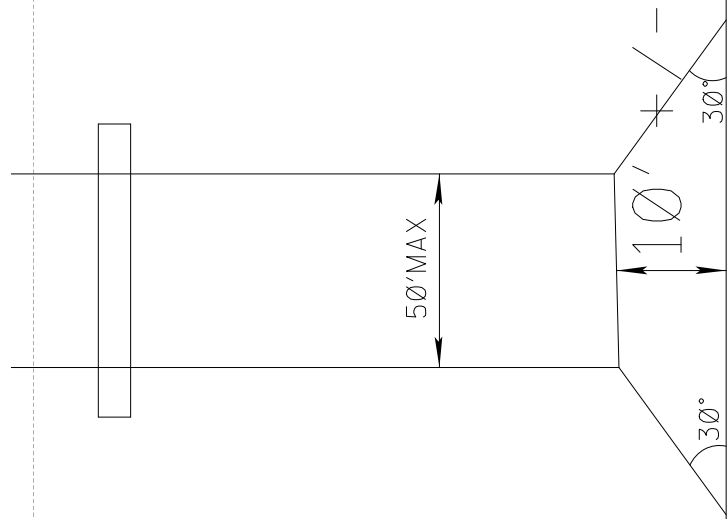


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STRIPE LAYOUT AT RICHARDSON ROAD INTERSECTION

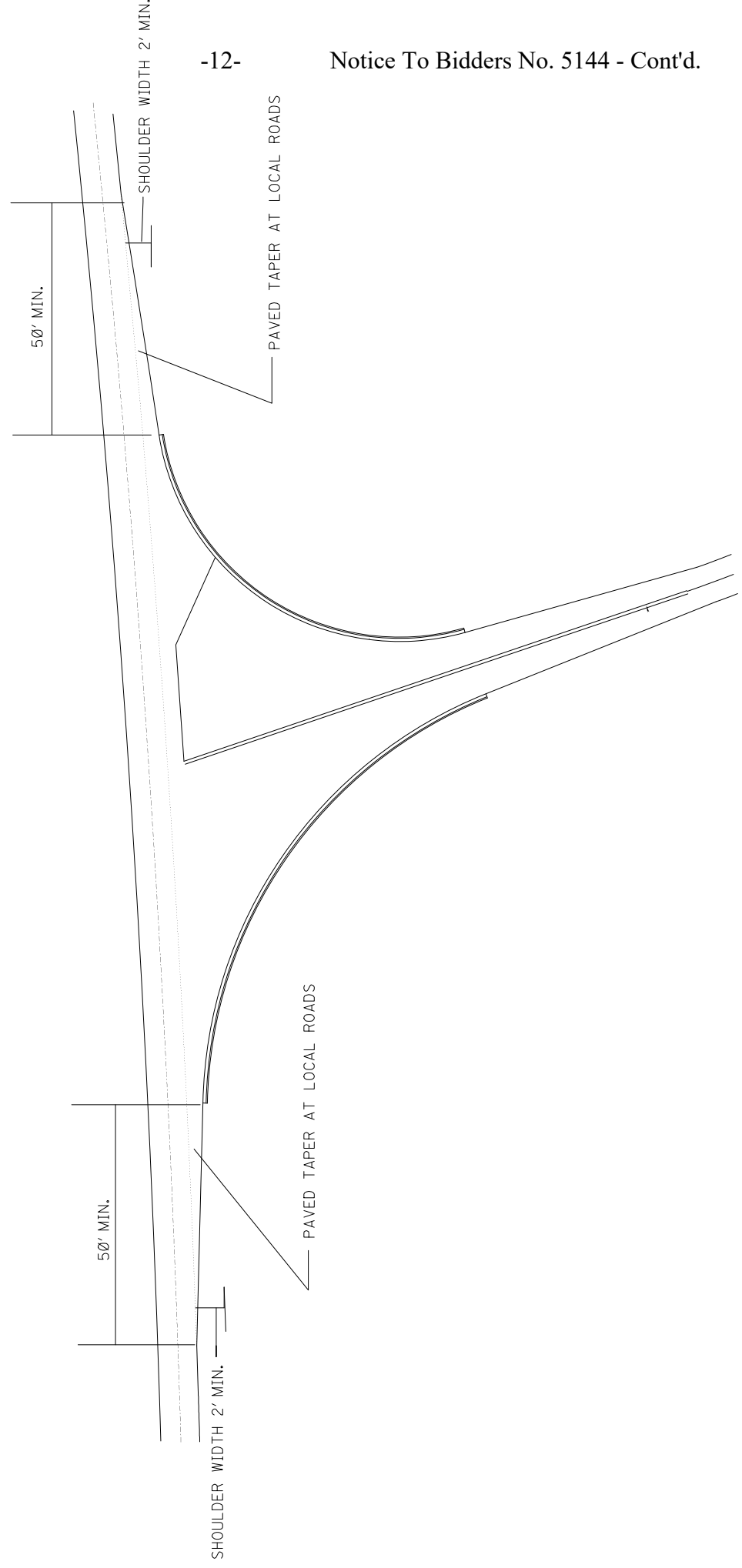
PRIVATE DRIVEWAY DETAIL

R.O.W.

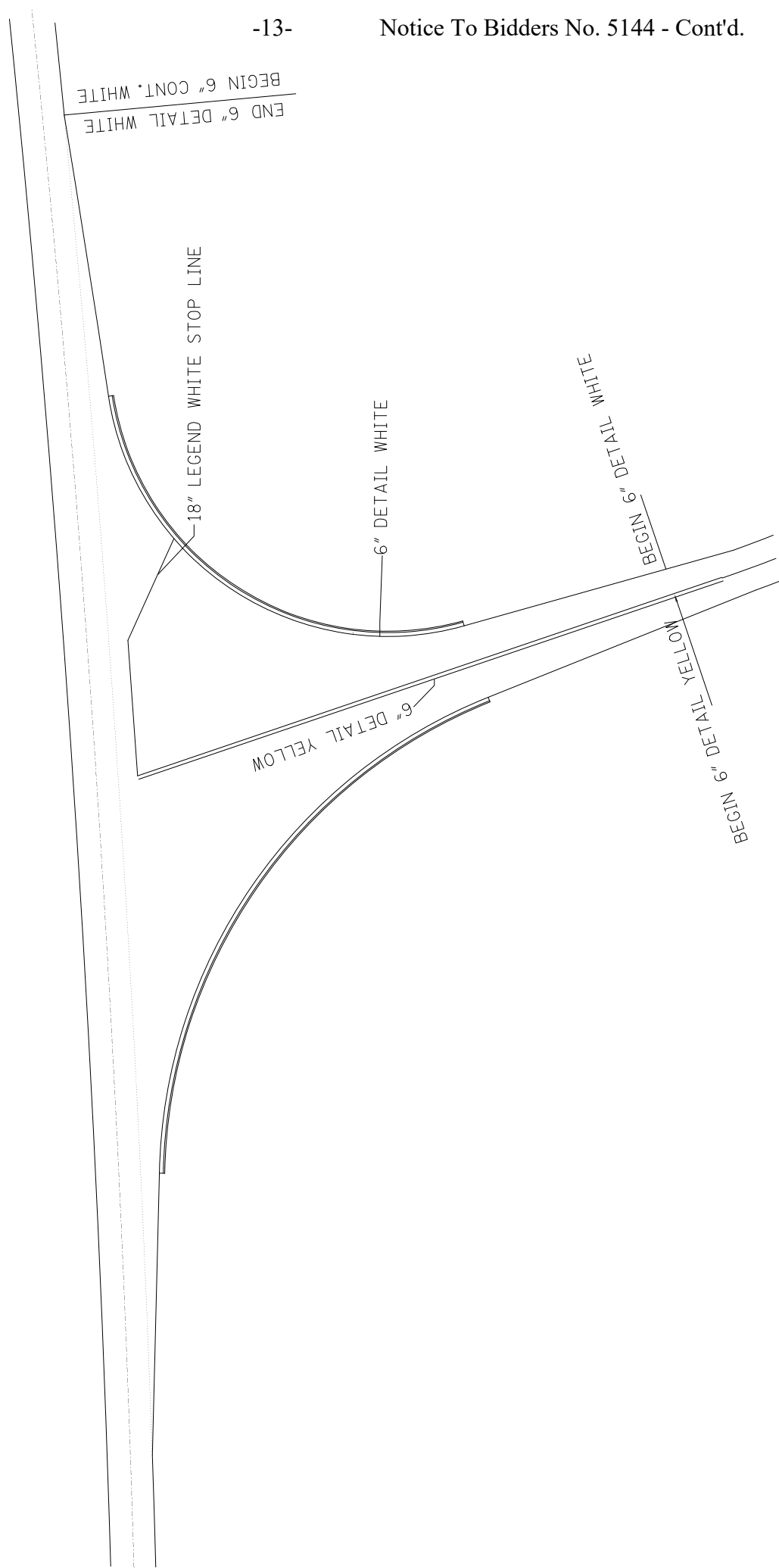


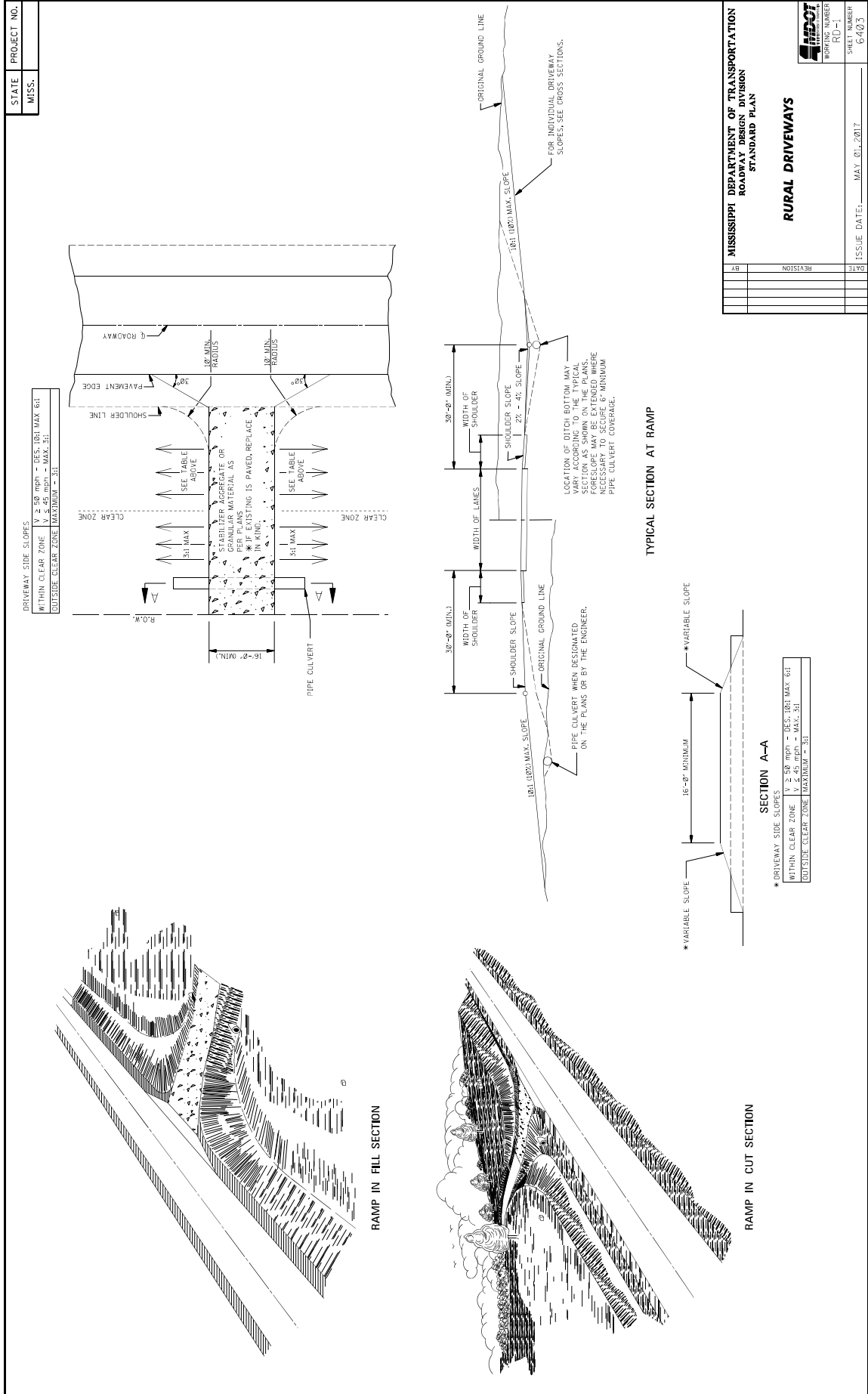
C/L OF ROADWAY

TYPICAL FOR PAVED TAPER AT LOCAL ROADS



TYPICAL STRIPING FOR SIMPLE INTERSECTION AT LOCAL ROADS





Thin Lift Overlay approximately 6 miles of SR 43 from I-59 To Walkiah Bluff Road, known as Federal Aid Project No. NHPP-0032-01(046) / 108704301 in Pearl River County.

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
Roadway Items					
0010	201-D001		65	Station	Random Clearing
0020	202-B007		934	Square Yard	Removal of Asphalt Pavement, All Depths
0030	202-B191		60	Linear Feet	Removal of Pipe, 8" And Above
0040	202-B240		3,550	Linear Feet	Removal of Traffic Stripe
0050	203-EX040	(E)	200	Cubic Yard	Borrow Excavation, AH, LVM, Class B9
0060	203-G002	(E)	200	Cubic Yard	Excess Excavation, LVM, AH
0070	209-A005		960	Square Yard	Geotextile Stabilization, Type V, Non-Woven
0080	211-B001	(E)	300	Cubic Yard	Topsoil for Slope Treatment, Contractor Furnished
0090	227-A001		1	Acre	Hydroseeding
0100	304-F003	(GT)	2,792	Ton	Size 825B Crushed Stone Base
0110	403-A002	(BA1)	172	Ton	12.5-mm, MT, Asphalt Pavement
0120	403-A003	(BA1)	125	Ton	12.5-mm, ST, Asphalt Pavement
0130	403-A006	(BA1)	433	Ton	19-mm, ST, Asphalt Pavement
0140	403-A014	(BA1)	6,609	Ton	9.5-mm, MT, Asphalt Pavement
0150	403-A015	(BA1)	1,250	Ton	9.5-mm, ST, Asphalt Pavement
0160	406-D001		71,850	Square Yard	Fine Milling of Bituminous Pavement, All Depths
0170	407-A001	(A2)	12,820	Gallon	Asphalt for Tack Coat
0180	412-A001		2,244	Square Feet	Pre-Grinding [\$3.25]
0190	423-A001		7	Mile	Rumble Strips, Ground In
0200	603-CA027	(S)	60	Linear Feet	24" Reinforced Concrete Pipe, Class III, Rubber Type Gaskets
0210	603-CB004	(S)	2	Each	24" Reinforced Concrete End Section
0212	606-B003		4,300	Linear Feet	Guard Rail, Class A, Type 1, 'W' Beam, Metal Post
0214	606-D001		4	Each	Guard Rail, Bridge End Section
0216	606-E005		4	Each	Guard Rail, Terminal End Section, Flared
0220	618-A001		1	Lump Sum	Maintenance of Traffic
0230	618-B001		1	Square Feet	Additional Construction Signs [\$10.00]
0240	619-A1001		21	Mile	Temporary Traffic Stripe, Continuous White
0250	619-A2001		8	Mile	Temporary Traffic Stripe, Continuous Yellow
0260	619-A3001		5	Mile	Temporary Traffic Stripe, Skip White
0270	619-A4002		8	Mile	Temporary Traffic Stripe, Skip Yellow
0280	619-A5001		2,100	Linear Feet	Temporary Traffic Stripe, Detail
0290	619-D3001		1	Each	Remove and Reset Signs, All Sizes

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0300	619-F3001		156	Each	Delineators, Guard Rail, White
0310	620-A001		1	Lump Sum	Mobilization
0320	626-A004		3	Mile	6" Thermoplastic Traffic Stripe, Skip White
0330	626-C002		11	Mile	6" Thermoplastic Double Drop Edge Stripe, Continuous White
0340	626-D001		4	Mile	6" Thermoplastic Double Drop Traffic Stripe, Skip Yellow
0350	626-E001		4	Mile	6" Thermoplastic Double Drop Traffic Stripe, Continuous Yellow
0360	626-G002		11,310	Linear Feet	Thermoplastic Detail Stripe, White
0370	626-G003		20,252	Linear Feet	Thermoplastic Detail Stripe, Yellow
0380	626-H004		1,468	Square Feet	Thermoplastic Legend, White
0390	626-H005		4,350	Linear Feet	Thermoplastic Legend, White
0400	627-J001		565	Each	Two-Way Clear Reflective High Performance Raised Markers
0410	627-K001		460	Each	Red-Clear Reflective High Performance Raised Markers
0420	627-L001		1,081	Each	Two-Way Yellow Reflective High Performance Raised Markers
0430	630-G004		20	Each	Type 3 Object Markers, OM-3R or OM-3L
0440	630-G005		22	Each	Type 3 Object Markers, OM-3R or OM-3L, Post Mounted
0450	907-411-A001	(BA1)	7,975	Ton	Ultra Thin Asphalt Pavement
0460	907-619-B001		66	Linear Feet	Temporary Portable Rumble Strips
ALTERNATE GROUP AA NUMBER 1					
0470	907-624-A002		568	Linear Feet	6" Inverted Profile Thermoplastic Traffic Stripe, Skip White
0480	907-624-B002		2,474	Linear Feet	6" Inverted Profile Thermoplastic Traffic Stripe, Continuous White
0490	907-624-C001		790	Linear Feet	6" Inverted Profile Thermoplastic Traffic Stripe, Skip Yellow
0500	907-624-D002		934	Linear Feet	6" Inverted Profile Thermoplastic Traffic Stripe, Continuous Yellow
ALTERNATE GROUP AA NUMBER 2					
0510	628-G001		568	Linear Feet	6" High Performance Cold Plastic Traffic Stripe, Skip White
0520	628-H001		2,474	Linear Feet	6" High Performance Cold Plastic Traffic Stripe, Continuous White
0530	628-I002		790	Linear Feet	6" High Performance Cold Plastic Traffic Stripe, Skip Yellow
0540	628-J001		934	Linear Feet	6" High Performance Cold Plastic Traffic Stripe, Continuous Yellow