

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>6/7/2022</u>	ADDENDUM NO.	_____	DATED	_____
ADDENDUM NO.	<u>2</u>	DATED	<u>6/17/2022</u>	ADDENDUM NO.	_____	DATED	_____
ADDENDUM NO.	_____	DATED	_____	ADDENDUM NO.	_____	DATED	_____

Number

Description

- 1 Revised Notice To Bidders No. 4298; Revised Bid Items; Amendment EBSx Download Required.
- 2 Revised Notice To Bidders No. 4298; Revised Bid Items; Revised Progress Schedule; Amendment EBSx Download Required.

TOTAL ADDENDA: 2

(Must agree with total addenda issued prior to opening of bids)

Respectfully Submitted,

DATE _____

Contractor

BY _____

Signature

TITLE _____

ADDRESS _____

CITY, STATE, ZIP _____

PHONE _____

FAX _____

E-MAIL _____

(To be filled in if a corporation)

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

President

Address

Secretary

Address

Treasurer

Address

The following is my (our) itemized proposal.

MP-2005-05(004)/ 307511301000 & MP-2370-05(001)/ 307511302000

Benton County(ies)

Revised 01/26/2016

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 4298

CODE: (SP)

DATE: 06/17/2022

SUBJECT: Scope of Work

PROJECT: MP-2005-05(004) / 307511301 & MP-2370-05(001) / 307511302 -- Benton 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".

The work to be accomplished using the pay items and corresponding specifications set forth in this contract is for the overlaying of MS Highway 5 beginning 1.4 miles south of Massengill Road (MP: 3.718) and going northerly for approximately 14.7 miles to 0.1 miles north of the old MDOT Maintenance Shop (MP:18.397), and MS Highway 370 beginning at MS Highway 5 (MP:0.000) and going easterly for approximately 1.3 miles to the east Ashland City Limits (MP:1.278) in Benton County.

It shall be the responsibility of the Contractor to protect the roadway and all existing structures, such as bridges and curb, from damage occurring as a result of the Contractor's operations. Damages to existing features caused by the Contractor's operations shall be repaired or replaced at no cost to the Department.

At bridge ends and at the end of the work day, a taper of one (1) vertical inch for each three (3) horizontal foot shall be provided.

The Contractor shall make a utility location request to 811 prior to any excavation, except for trench widening or pavement removal/repair.

In order to expedite the safe movement of traffic and to protect each phase of the work as it is performed, a firm sequence of operations is essential. The work shall be begun and continually prosecuted.

Shoulders shall be maintained throughout the duration of the project to assure traffic safety.

The work shall consist of the following:

1. Failed areas on MS Highway 5 shall be repaired as needed using the following pay items and table:
 - 202-B, Removal of Asphalt Pavement, All Depths
 - 203-G, Excess Excavation

- 403-A, 19-mm, ST Asphalt Pavement
- 503-C, Saw Cut Full Depth

Station	Lane	Length (ft)	Width (ft)	Area (SY)
204+88	LT	98	12	130.7
224+75	LT	58	8	51.6
226+47	LT	82	8	72.9
279+30	RT	40	8	35.6
336+01	RT	106	6	70.7
337+78	RT	78	6	52.0
338+89	LT	48	6	32.0
343+26	RT	55	6	36.7
343+26	LT	60	6	40.0
344+79	RT	30	6	20.0
352+56	LT	85	12	113.3
358+61	LT	73	12	97.3
359+57	LT&RT	32	24	85.3
360+81	LT	158	12	210.7
361+78	LT	102	6	68.0
363+76	RT	62	6	41.3
389+46	RT	120	8	106.7
390+93	RT	60	6	40.0
394+90	RT	90	8	80.0
404+01	RT	75	12	100.0
405+11	LT	187	8	166.2
408+36	LT	233	10	258.9
410+51	LT&RT	135	24	360.0
416+41	LT&RT	168	24	448.0
417+99	LT	43	10	47.8
418+89	RT	40	8	35.6
424+56	LT	150	8	133.3
451+01	LT/RT	192	24	512.0
453+76	LT/RT	149	27	447.0
463+71	RT	38	13	54.9
475+76	RT	100	6	66.7
485+06	RT	39	19	82.3
519+18	RT	28	5	15.6
520+54	LT	55	9	55.0
531+51	RT	93	6	62.0
533+41	RT	101	5	56.1
567+82	LT	104	12	138.7

Station	Lane	Length (ft)	Width (ft)	Area (SY)
573+26	RT	20	7	15.6
684+14	RT	42	8	37.3
747+51	RT	27	5	15.0
752+24	LT	79	6	52.7
757+57	RT	76	6	50.7
758+31	RT	40	7	31.1
787+29	RT	36	7	28.0
819+80	LT	211	12	281.3
827+78	LT	63	12	84.0
839+56	RT	43	12	57.3
955+14	LT	38	7	29.6
Total				5,107.2

NOTE: Failed areas are estimated as one foot (1') of excavation and backfilled with one foot (1') (maximum 3½" lifts) of 19-mm, ST asphalt. The asphalt shall be placed per the Project Engineer's instructions. Saw cuts will be required and will be paid for separately.

NOTE: Failed areas shall be backfilled the same day as excavation.

- The existing asphalt pavement shall be fine milled at local road tie-ins and bridge ends to a depth of one and one-half inches (1½") and variable in order to provide a smooth transition will be required. The entire roadway section including pads and local roads will be milled in the following locations:

Area	Fine Milling (SY)		
	Begin	End	Total
Mainline SR 5	195+78	214+49	6,125
Mainline SR 5	431+85	502+79	23,175
Mainline SR 5	816+14	971+46	47,125
Mainline SR 370	10+00	71+00	23,525
Local Road – SR 5			10,550
Local Road – SR 370			1,275
Pads – SR 5			7,400
Pads – SR 370			675
Bridge Ends – SR 5			3,800
Total			123,650

The milling material obtained shall become the property of the Contractor. Payment for fine milling will be made under pay item 406-D, per square yard, and shall include all costs associated with the milling operation.

NOTE: Milled surfaces shall be covered with surface asphalt within seven (7) calendar days of removal. The Contractor will be charged a fee of \$5,000.00 for each full or partial day in which the milled surface is left uncovered after the seven (7) calendar days.

NOTE: During this operation and prior to placement of the asphalt, due care shall be required to keep surface water from ponding on the roadway surface; continuous monitoring of the project may be required.

NOTE: During this operation and prior to placement of the asphalt, the Contractor shall repair and maintain all pot holes.

3. The Contractor shall place ¾" and variable of 9.5-mm, ST, Leveling asphalt for the leveling of the mainline to correct cross slopes on all sections that do not require milling. An additional quantity of 50 Tons/Lane Mile has been set up to accomplish this work.

9.5-mm, ST, Leveling Asphalt	
Area	Tons
SR 5	5,500
SR 370	150
Totals	5,650

4. The Contractor shall adjust the existing manholes on SR 370. The Contractor shall verify the required height adjustment prior to beginning the work.

Location	Estimated Height Adjustment
47+70	2"
51+50	2"
55+50	2"
57+85	2"
62+50	2"
66+40	2"
69+00	2"

5. The Contractor shall place 1½" of 9.5-mm, ST asphalt as a surface course.

Area	9.5-mm, ST Asphalt (Ton)		
	SR 5	SR 370	Total
Mainline	16,725	1,780	18,505
Local Roads	925	95	1,020
Pads	650	65	715
Total	18,300	1,950	20,250

6. Granular material shall be placed on the shoulders as directed to raise the existing shoulders to the new surface course grade.

NOTE: Shoulders shall be bladed, shaped and compacted throughout the length of the project regardless of whether granular material is required.

NOTE: Granular material not required for the final shape of the shoulders may require removal under the pay item for excess excavation and may include small amounts of asphalt.

NOTE: Due care shall be taken during this operation to blade material to the roadway and away from the ditch line. Material inadvertently bladed to the roadway vegetation shall be removed at no cost to the Department.

7. Temporary traffic stripe shall be placed daily as per Section 618 of the Standard Specifications.
8. Guardrails shall be removed and replaced at the following locations:

BR #	Station	Guardrail Removal	Guardrail Installation	Terminal Section	Bridge Section Type H	Bridge Section Type I	Delineators, Guard Rail White
4.6	244+29	650	400	4	4		22
4.9	255+67	625	375	4	4		21
5.7	297+13	650	400	4	4		22
9.0	474+86	680	450	4		4	22
**	495+50	400	325	2			11
Total		3,005	1,950	18	12	4	98

** Roadside obstruction at Station 495+50 Lt.

NOTE: The Contractor shall match the length, taper rate, and offset of the existing guardrail. The Contractor will be required to lay out the proposed rail for approval by the Project Engineer prior to installation.

9. A 6-inch rumble strips shall be installed for rumble stripe on SR 5. The portion of SR 5 within the City Limits of Ashland shall be omitted.
10. Existing traffic stripe shall be removed from concrete bridge deck (960 LF) and replaced with double drop thermoplastic striping. Permanent pavement markings (double drop thermoplastic striping, two-way clear high performance raised pavement markers, two-way yellow reflective high performance raised markers and red-clear high performance raised pavement markers) shall be placed as required. 6-inch thermoplastic stripe shall be placed on the rumble strip using an atomization method to create a "rumble stripe." See Special Design Sheet RS-2L for details.
11. All existing post mounted standard roadside signs estimated in the attached tables shall be replaced. The Contractor shall deliver the removed signs to the Benton County Maintenance

Shop located on MS Highway 5 in Ashland. All existing u-channel posts shall be replaced with 2 lb/ft square posts. The existing u-channel posts shall be removed and shall become the property of the Contractor. Pay length for the square posts is estimated at 15 feet each for all signs. This length includes the anchor section shown on the standard drawing. No separate payment will be made for the anchor section, and all costs for the installation of the square posts shall be included in pay item 630-C: Square Tube Posts, 2.0 lb/ft. Signs on existing round pipe posts shall be replaced on the existing posts. The Contractor is required to verify the sign and post quantity prior to ordering materials.

Sign Quantity – SR 5			
Pay Item No.	Description	Unit	Quantity
202-B	Removal of Sign, Including Post and Footing	EA	437
630-A	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness	SF	339
630-A	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness	SF	788
630-A	Standard Roadside Signs, Sheet Aluminum, .1" Thickness	SF	319
630-C	Square Tube Post, 2.0 lb/ft	LF	5,631
630-G	Type 3 Object Marker, OM-3R or OM-3L	EA	328

Sign Quantity SR 370			
Pay Item No.	Description	Unit	Quantity
202-B	Removal of Sign, Including Post and Footing	EA	61
630-A	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness	SF	158
630-A	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness	SF	156
630-A	Standard Roadside Signs, Sheet Aluminum, .1" Thickness	SF	112
630-C	Square Tube Post, 2.0 lb/ft	LF	816
630-G	Type 3 Object Marker, OM-3R or OM-3L	EA	23

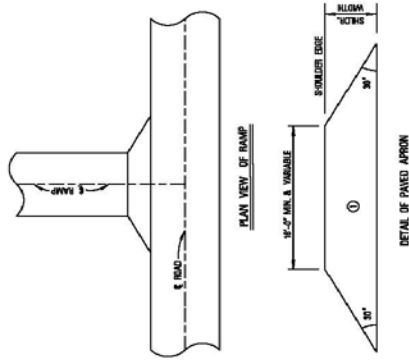
Sign Quantity - Total			
Pay Item No.	Description	Unit	Quantity
202-B	Removal of Sign, Including Post and Footing	EA	498
630-A	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness	SF	497
630-A	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness	SF	944
630-A	Standard Roadside Signs, Sheet Aluminum, .1" Thickness	SF	431
630-C	Square Tube Post, 2.0 lb/ft	LF	6,447
630-G	Type 3 Object Marker, OM-3R or OM-3L	EA	351

The Contractor shall provide all signs and traffic handling devices necessary to safely maintain traffic around or through the work areas.

Incidental work such as removing vegetation, shaping and compaction of shoulder, necessary and incidental grading of roadway ditches and other incidental work that is necessary to complete the work will not be measured for separate payment and the cost will be included in the bid items provided.

The Engineer may direct the use of additional cones at County roads or intersections within lane closures and will be absorbed in pay item 618-A: Maintenance of Traffic.

STATE MISS.	PROJECT NO.	
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PLAN VIEW OF RAMP

DETAIL OF PAVED APRON

① 3-4" & VARIABLE DEPTH ASPHALT PAVEMENT REQUIRED

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
MISCELLANEOUS DETAIL	
	CHECKED BY: MDS-1 DATE: _____ DESIGNED BY: _____ DATE: _____

Highway 5									
Lane	Sign Description	Sign Code	Removal U-Channel	Notes	Type 3 OM	0.08"	0.1"	0.125"	Square Tube Post 2lb/ft
R	Bridge May Ice	W8-13	1					9	15
R	Side Road Right	W2-2R	1					9	15
R	Bridge May Ice	W8-13	1					9	15
R	Stop	R1-1	1				7.46		15
L	Bridge May Ice	W8-13	1					9	15
L	Bridge May Ice	W8-13	1					9	15
L	Side Road Right	W2-2R	1					9	15
R	Cross Street	W2-1	1					9	15
R	School Bus Stop Ahead	S3-1	1					9	15
L	Left Right Arrow	W1-7	2				8		15
L	Stop	R1-1	1				7.46		15
R	Stop Ahead Symbol	W3-1a	1					9	15
R	Stop	R1-1	1				7.46		15
L	Cross Street	W2-1	1					9	15
R	Bridge May Ice	W8-13	1					9	15
L	Right Curve Ahead	W1-2R	1					9	15
R	Bridge May Ice	W8-13	1					9	15
L	School Bus Stop Ahead	S3-1	1					9	15
L	Bridge May Ice	W8-13	1					9	15
R	Cross Street	W2-1	1					9	15
Both	Stop	R1-1	2	One at Each Side Road			14.92		30
L	Cross Street	W2-1	1					9	15
R	Side Road Right	W2-2R	1					9	15
R	Stop Ahead Symbol	W3-1a	1					9	15
L	Left Right Arrow	W1-7	2				8		15
R	Stop	R1-1	1				7.46		15
R	Side Road Right	W2-2R	1					9	15
L	Side Road Left	W2-2L	1					9	15
L	36" Stop	R1-1	1				7.46		15
R	Side Road Right	W2-2R	1					9	15
L	45 mph cautionary	W13-1		same post as winding curve ahead		4			
L	Right Winding Curve	W1-5R	1					9	15
R	School Bus Stop Ahead	S3-1	1					9	15
L	45 mph cautionary	W13-1		same post as winding curve ahead		4			
L	Right Winding Curve	W1-5R	1					9	15
R	Side Road Right	W2-2R	1					9	15
L	Stop Ahead Symbol	W3-1a	1					9	15
L	Stop	R1-1	1				7.46		15
R	Left Right Arrow	W1-7	2				8		15
L	Side Road Right	W2-2R	1					9	15
R	Side Road Left	W2-2L	1					9	15
R	Side Road Right	W2-2R	1					9	15
L	Stop	R1-1	1				7.46		15
L	Left Right Arrow	W1-7	2				8		15
R	Stop	R1-1	1				7.46		15
R	Stop Ahead Symbol	W3-1a	1					9	15
R	Stop Ahead Symbol	W3-1a	1					9	15
R	Bridge May Ice	W8-13	1					9	15
R	Route Marker (SR4)	M1-5	1			4			15
R	Junction	M2-1		same post as route marker		2.19			
L	Route Marker (SR5)	M1-5	1			4			15
L	South	M3-3		same post as route marker		2			15
R	Route Marker (SR 4)	M1-5	1			4			15
R	Route Marker (SR 5)	M1-5		same post as route marker		4			

Highway 5									
Lane	Sign Description	Sign Code	Removal U-Channel	Notes	Type 3 OM	0.08"	0.1"	0.125"	Square Tube Post 2lb/ft
R	Right Arrow	M6-1		same post as route marker		2.19			
L	Bridge May Ice	W8-13	1					9	15
L	Left Right Arrow	W1-7	2				8		15
R	Route Marker (SR 5)	M1-5	1			4			15
R	North	M3-1		same post as route marker		2.19			
R	Route Marker (SR 4)	M1-5	1			4			15
R	East	M3-2		same post as route marker		2.19			
L	Stop Ahead Symbol	W3-1a	1					9	15
R	Side Road Right	W2-2R	1					9	15
L	Side Road Left	W2-2L	1					9	15
L	Left Arrow	M5-1L		same post as route marker		2.19			
L	Route Marker (SR 4)	M1-5	1			4			15
R	Stop Ahead Symbol	W3-1a	1					9	15
L	Stop	R1-1	1				7.46		15
R	Stop	R1-1	1				7.46		15
L	Side Road Right	W2-2R	1					9	15
L	School Bus Stop Ahead	S3-1	1					9	15
R	Side Road Right	W2-2R	1					9	15
L	Stop Ahead Symbol	W3-1a	1					9	15
L	Stop	R1-1	1				7.46		15
L	Left Right Arrow	W1-7	2				8		15
L	Side Road Left	W2-2L	1					9	15
R	Right Curve Ahead	W1-2R	1					9	15
R	35 mph cautionary	W13-1		mounted on same post		4			
L	Left Curve Ahead	W1-2L	1					9	15
L	35 mph cautionary	W13-1		mounted on same post		4			15
R	Right Curve Ahead	W1-2R	1					9	15
R	35 mph cautionary	W13-1		mounted on same post		4			
R	School Bus Stop Ahead	S3-1	1					9	15
R	Left Curve Ahead	W1-2L	1					9	15
R	35 mph cautionary	W13-1		mounted on same post		4			
R	School Bus Stop Ahead	S3-1	1					9	15
L	Right Curve Ahead	W1-2R	1					9	15
L	35 mph cautionary	W13-1		mounted on same post		4			
L	School Bus Stop Ahead	S3-1	1					9	15
R	Right Curve Ahead	W1-2R	1					9	15
R	35 mph cautionary	W13-1		mounted on same post		4			
L	NB and SB facing	W1-8R&L	2				10		15
L	NB and SB facing	W1-8R&L	2				10		15
L	NB and SB facing	W1-8R&L	2				10		15
L	NB and SB facing	W1-8R&L	2				10		15
L	NB and SB facing	W1-8R&L	2				10		15
L	NB and SB facing	W1-8R&L	2				10		15
L	Left Curve Ahead	W1-2L	1					9	15
L	35 mph cautionary	W13-1		mounted on same post		4			
R	Side Road Right	W2-2	1					9	15
R	Right Curve Ahead	W1-2R	1					9	15
R	Side Road Right	W2-2	1					9	15
L	Left Curve Ahead	W1-2L	1					9	15
L	35 mph cautionary	W13-1		mounted on same post		4			
L	Stop Ahead Symbol	W3-1a	1					9	15
L	Stop	R1-1	1				7.46		15
R	Left Right Arrow	W1-7	2				8		15

Highway 5									
Lane	Sign Description	Sign Code	Removal U-Channel	Notes	Type 3 OM	0.08"	0.1"	0.125"	Square Tube Post 2lb/ft
R	Side Road Left	W2-2	1					9	15
L	Side Road Right	W2-2	1					9	15
L	Stop	R1-1	1				7.46		15
L	Side Road Right	W2-2	1					9	
R	Left Curve Ahead	W1-2L	1					9	15
R	35 mph cautionary	W13-1		mounted on same post		4			
R	Side Road Left	W2-2	1					9	15
L	Right Curve Ahead	W1-2R	1					9	15
R	Left Curve Ahead	W1-2L	1					9	15
R	35 mph cautionary	W13-1		mounted on same post		4			
L	Left Curve Ahead	W1-2L	1					9	15
L	Right Curve Ahead	W1-2R	1					9	15
L	35 mph cautionary	W13-1		mounted on same post		4			
R	Right Curve Ahead	W1-2R	1					9	15
R	35 mph cautionary	W13-1		mounted on same post		4			
R	School Bus Stop Ahead	S3-1	1					9	15
L	Left Curve Ahead	W1-2L	1					9	15
R	Left Curve Ahead	W1-2L	1					9	15
R	35 mph cautionary	W13-1		mounted on same post		4			
R	School Bus Stop Ahead	S3-1	1					9	15
L	School Bus Stop Ahead	S3-1	1					9	15
L	Right Curve Ahead	W1-2R	1					9	15
R	Speed Zone Ahead	R2-5C	1			5			15
L	Speed Limit 55	R2-1	1			5			15
R	Speed Limit 55	R2-1	1			5			15
R	Left Right Arrow	W1-7	2				8		15
R	Right Curve Ahead	W1-2R	1					9	15
R	35 mph cautionary	W13-1		mounted on same post		4			
R	Speed Limit 45	R2-1	1			5			15
R	Route Marker (SR 5)	M1-5	1			4			15
R	North	M3-1		mounted on same post		2.19			15
L	Route Marker (SR 4)	M1-5	1			4			15
L	Junction	M2-1		mounted on same post		2.19			
R	Speed Limit 45	R2-1	1			5			15
L	Stop	R1-1		pipe post				13.25	15
R	Speed Limit 35	R2-1	1			5			15
L	Left Curve Ahead	W1-2L	1					9	15
R	Route Marker (SR 370)	M1-5	1						15
R	Junction	M2-1		mounted on same post					
R	Stop	R1-1					7.46		15
R	Speed Limit 35	R2-1	1			5			15
L	Speed Limit 35	R2-1	1			5			15
R	Route Marker (SR 370)	M1-5	1			4			15
R	East	M3-2		same post as route marker		2.19			15
R	Right Arrow	M6-1R		mounted on same post		2.19			
L	Left Right Arrow	W1-7	2				8		15
R	Stop	R1-1					7.46		15
R	Stop	R1-1					7.46		15
R	No Parking	R7-1	1			5			15
R	Stop	R1-1	1				7.46		15
L	Route Marker (370)	M1-5	1			4			15
L	East	M3-2		mounted on same post		2.19			
R	Yield	R1-2	1			4.5			15
L	Route Marker 370	M1-5	1			4			15

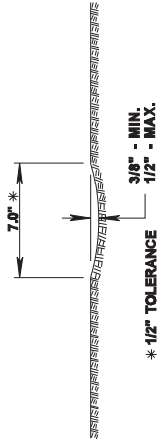
Highway 5									
Lane	Sign Description	Sign Code	Removal U-Channel	Notes	Type 3 OM	0.08"	0.1"	0.125"	Square Tube Post 2lb/ft
L	East	M3-2		mounted on same post		2.19			
L	Left Arrow	M6-1L		mounted on same post		2.19			
L	Route Marker (370)	M1-5	1			4			15
L	Junction	M2-1		mounted on same post		2.19			
R	Speed Limit 35	R2-1	1			5			15
L	Speed Limit 35	R2-1	1			5			15
L	Speed Limit 35	R2-1	1			5			15
R	Route Marker (5)	M1-5	1			4			15
R	North	M3-1		mounted on same post		2.19			
R	Speed Limit 35	R2-1	1			5			15
L	Speed Limit 35	R2-1	1			5			15
R	Speed Limit 45	R2-1	1			5			15
R	Stop	R1-1	1				7.46		15
R	Speed Limit 45	R2-1	1			5			15
L	Speed Limit 45	R2-1	1			5			15
R	Stop	R1-1	1				7.46		15
R	Speed Limit 55	R2-1	1			5			15
L	Left Right Arrow	W1-7	2				8		15
R	Stop Ahead Symbol	W3-1a	1					9	15
R	Stop	R1-1	1				7.46		15
L	Speed Zone Ahead	R2-5C	1			5			15
L	Speed Limit 55	R2-1	1			5			15
R	Left Curve Ahead	W1-2L	1					9	15
L	Right Curve Ahead	W1-2R	1					9	15
R	School Bus Stop Ahead	S3-1	1					9	15
R	Cross Street	W2-1	1					9	15
L	Stop Ahead Symbol	W3-1a	1					9	15
R	Stop	R1-1	1				7.46		15
L	Stop	R1-1	1				7.46		15
R	Right Curve Ahead	W1-2R	1					9	15
L	Cross Street	W2-1	1					9	15
L	School Bus Stop Ahead	S3-1	1					9	15
L	Right Curve Ahead	W1-2L	1					9	15
ON PIPE POST, ONLY SIGN REPLACEMENT									
R	Route Marker (5)	M1-5				5			
R	Route Marker (4)	M1-5				5			
R	East	M3-2				2.19			
R	South	M3-3				2.19			
R	Right Arrow	M6-1R				2.19			
R	Up Arrow	M6-3				2.19			
R	Route Marker (4)	M1-5				5			
R	Junction	M2-1				2.19			
R	West	M3-4				2.19			
R	Left	M5-1L				2.19			
L	Route Marker (5)	M1-5				5			
L	Route Marker (4)	M1-5				5			
L	East	M3-2				2.19			
L	South	M3-3				2.19			
R	Route Marker (5)	M1-5				5			
R	Route Marker (4)	M1-5				5			
R	North	M3-1				2.19			
R	West	M3-4				2.19			
R	Left Arrow	M6-1L				2.19			
R	Up Arrow	M6-3				2.19			

Highway 5									
Lane	Sign Description	Sign Code	Removal U-Channel	Notes	Type 3 OM	0.08"	0.1"	0.125"	Square Tube Post 2lb/ft
L	Route Marker (5)	M1-5				5			
L	Route Marker (4)	M1-5				5			
L	North	M3-1				2.19			
L	West	M3-4				2.19			
L	Right Arrow	M6-1R				2.19			
L	Up Arrow	M6-3				2.19			
EXISTING OM									
164 OM L					164				
164 OM R					164				
OM POST TO REMOVE			263						3156
			437		328	339	319	787.25	5631

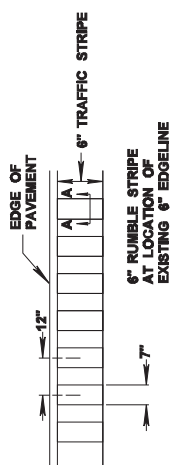
Highway 370									
Lane	Sign Description	Sign Code	Removal U-Channel	Notes	Type 3 OM	0.08"	0.1"	0.125"	Square Tube Post 2lb/ft
R	Stop Ahead Symbol	W3-1a	1					9	15
R	Speed Limit 35 MPH	R2-1	1			5			15
L	Stop Ahead Symbol	W3-1a	1					9	15
L	Stop	R1-1	1				7.46		15
L	Route Marker 5	M1-5		pipe post					
L	Route Marker 5	M1-5		pipe post					
L	South	M3-3		pipe post					
L	North	M3-1		pipe post					
L	Right Diagonal	M6-2R		pipe post					
L	Left diagonal	M6-2L		pipe post					
R	Route Marker (370)	M1-5	1	missing		4			15
R	East	M3-2		Same post missing sign		2.19			
L	Stop Ahead Symbol	W3-1a						9	15
R	Stop	R1-1					7.46		15
L	Type 3 OM's	OM-3R	1		1				12
L	Type 3 OM's	OM-3L	1		1				12
L	Type 3 OM's	OM-3R	1		1				12
L	Type 3 OM's	OM-3L		same post	1				
L	Type 3 OM's	OM-3L		same post	1				
R	Stop	R1-1	1				7.46		15
L	Stop Ahead Symbol	W3-1a	1					9	15
R	Type 3 OM's	OM-3R	1		1	1			
R	Type 3 OM's	OM-3L		same post	1	1			
L	Type 3 OM's	OM-3R	1		1	1			
L	Type 3 OM's	OM-3L		same post	1	1			
L	Yield	R1-2	1			5.1			15
L	Type 3 OM's	OM-3R	1		1				
L	Type 3 OM's	OM-3L		same post	1				
R	Route Marker (370)	M1-5	1			4			15
R	East	M3-2		same post		2.19			
R	Speed Limit 35MPH	R2-1	1			5			15
L	Speed Limit 35MPH	R2-1	1			5			15
L	Type 3 OM's	OM-3L	1		1				
L	Type 3 OM's	OM-3R		same post	1				
R	Type 3 OM's	OM-3L	1		1				
R	Type 3 OM's	OM-3R		same post	1				
R	Type 3 OM's	OM-3L	1		1				
R	Type 3 OM's	OM-3R		same post	1				
L	Route Marker (SR 5)	M1-5	1			4			15
L	Junction	M2-1		mounted on same post		2			
R	Type 3 OM's	OM-3L	1		1				
R	Type 3 OM's	OM-3R		same post	1				
R	Speed Limit 35 MPH	R2-1	1			5			15
L	Type 3 OM's	OM-3R	1		1				
L	Type 3 OM's	OM-3L		same post	1				
R	Type 3 OM's	OM-3R	1		1				
R	Type 3 OM's	OM-3L		same post	1				
L	Speed Limit 35MPH	R2-1	1			5			15
R	Speed Limit 35MPH	R2-1	1			5			15
R	Stop	R1-1		on pipe post				13.25	
R	Stop Ahead Symbol	W3-1a	1					9	15
R	Stop Ahead Symbol	W3-1a	1					9	15
R	Stop	R1-1	1				7.46		15
L	Speed Limit 25	R2-1	1			5			15
R	Speed Limit 25	R2-1	1			5			15
R	Stop Ahead Symbol	W3-1a	1					9	15
R	Stop	R1-1		pipe post				13.25	

Highway 370									
Lane	Sign Description	Sign Code	Removal U-Channel	Notes	Type 3 OM	0.08"	0.1"	0.125"	Square Tube Post 2lb/ft
R	4WAY	R1-3		pipe post		5			
R	Stop	R1-1		pipe post				13.25	
R	4WAY	R1-3		pipe post		5			
L	Stop	R1-1		pipe post				13.25	
L	4WAY	R1-3		pipe post		5			
L	Stop	R1-1		pipe post				13.25	
L	4WAY	R1-3		pipe post		5			
L	Stop	R1-1	1				7.46		15
R	Stop	R1-1	1				7.46		15
L	Stop	R1-1	1				7.46		15
R	Stop	R1-1	1				7.46		15
L	Stop	R1-1	1				7.46		15
R	Stop	R1-1	1				7.46		15
L	Stop	R1-1	1				7.46		15
L	Stop Ahead Symbol	W3-1a	1					9	15
L	Speed Limit 25mph	R2-1	1			5			15
L	Stop	R1-1	1				7.46		15
L	Route Marker 370	M1-5	1			5			15
L	Left or Right Arrow	M6-4		mounted on same post		2.19			15
L	Stop	R1-1	1				7.46		15
R	Speed Limit 35	R2-1	1			5			15
L	School Bus Stop	S3-1	1					9	15
L	Stop	R1-1	1				7.46		15
R	Stop	R1-1	1				7.46		15
R	Speed Limit 45	R2-1	1			5			15
R	Speed Limit 45	R2-1	1			5			15
R	Speed Limit 55	R2-1	1			5			15
R	Route Marker 370	M1-5	1			4			15
R	Speed Limit 35	R2-1	1			5			15
L	Speed Limit 35	R2-1	1			5			15
R	Speed Limit 25	R2-1	1			5			15
R	School Bus Stop	S3-1	1					9	15
L	Speed Limit 25	R2-1	1			5			15
R	Weight Limit	R12-1	1			5			15
L	Weight Limit	R12-1	1			5			15
L	Route Marker 370	M1-5	1			4			15
			61			23	158	112	156
								816	

STATE	PROJECT NO.
MISS.	MP-2005-05(004)

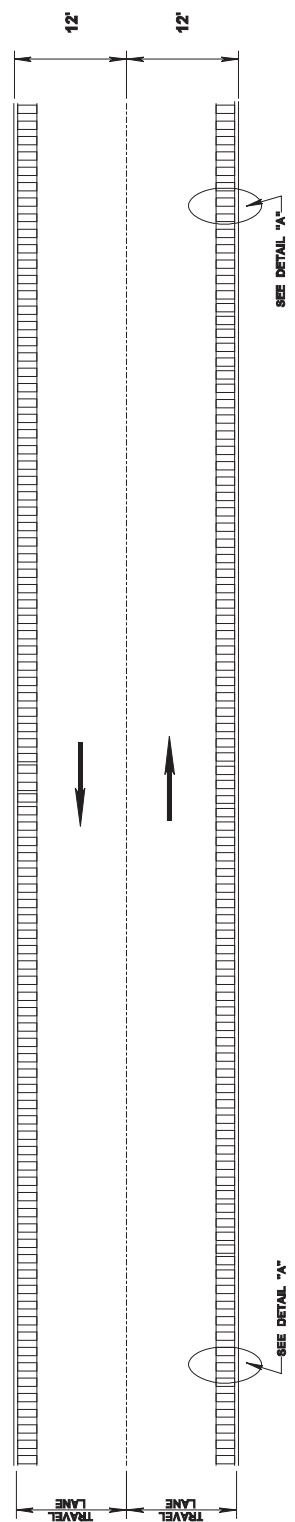


SECTION "A-A"



DETAIL "A"

- GENERAL NOTES**
1. GROUND-IN RUMBLE STRIPES SHALL BE APPLIED ON LEFT AND RIGHT EDGELINES.
 2. GROUND-IN RUMBLE STRIPES SHALL BE OMITTED ACROSS PRINCIPAL INTERSECTING ROADWAYS OR OTHER INTERRUPTIONS IN NORMAL SHOULDER WIDTH AS DIRECTED BY THE ENGINEER
 3. COST TO BE PAID FOR USING APPROPRIATE PAY ITEMS
 4. GROUND-IN RUMBLE STRIPES SHALL BE APPLIED TO MAINLINE ONLY.



PLAN
NOT TO SCALE

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
BY	REVISION
SPECIAL DESIGN: RUMBLE STRIPES (GROUND-IN) 2 LANE, 24 FT.	
PROJECT NO.: MP-2005-05(004)	WORK NUMBER: RS-2L
COUNTY: Benton	SHEET NUMBER: 18
FILENAME: rumble_stripe_2_lane.doc	DATE: 01/06/14
DESIGN TEAM: ATKINS	CHECKED: JRY

Mill & Overlay approximately 15 miles of SR 5 from 1.4 miles south of Massengill Rd to 0.1 miles north of the old MDOT Maintenance Shop and approximately 1.3 miles of SR 370 from SR 5 to the east Ashland City Limits, known as State Project Nos. MP-2005-05(004) / 307511301 & MP-2370-05(001) / 307511302 in Benton County.

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
Roadway Items					
0010	202-B007		5,107	Square Yard	Removal of Asphalt Pavement, All Depths
0020	202-B158		3,005	Linear Feet	Removal of Guard Rail, Including Rails, Posts and Terminal Ends
0030	202-B215		498	Each	Removal of Sign Including Post & Footing
0040	202-B240		3,731	Linear Feet	Removal of Traffic Stripe
0050	203-G001	(E)	210	Cubic Yard	Excess Excavation, FM, AH
0060	304-B002	(GT)	10,375	Ton	Granular Material, Class 3, Group D
0070	403-A006	(BA1)	3,250	Ton	19-mm, ST, Asphalt Pavement
0080	403-A015	(BA1)	20,250	Ton	9.5-mm, ST, Asphalt Pavement
0090	403-B012	(BA1)	5,650	Ton	9.5-mm, ST, Asphalt Pavement, Leveling
0100	406-D001		123,650	Square Yard	Fine Milling of Bituminous Pavement, All Depths
0110	407-A001	(A2)	42,450	Gallon	Asphalt for Tack Coat
0112	423-A001		27	Mile	Rumble Strips, Ground In
0120	503-C010		5,020	Linear Feet	Saw Cut, Full Depth
0130	606-B002		1,950	Linear Feet	Guard Rail, Class A, Type 1, 'W' Beam
0140	606-D019		12	Each	Guard Rail, Bridge End Section, Type H
0150	606-D022		4	Each	Guard Rail, Bridge End Section, Type I
0160	606-E001		18	Each	Guard Rail, Terminal End Section
0162	613-D005		7	Each	Adjustment of Manhole
0170	618-A001		1	Lump Sum	Maintenance of Traffic
0180	618-B001		2	Square Feet	Additional Construction Signs [\$10.00]
0190	619-A1001		65	Mile	Temporary Traffic Stripe, Continuous White
0200	619-A2001		51	Mile	Temporary Traffic Stripe, Continuous Yellow
0210	619-A4002		11	Mile	Temporary Traffic Stripe, Skip Yellow
0220	619-A5001		11,175	Linear Feet	Temporary Traffic Stripe, Detail
0230	619-A6002		5,001	Linear Feet	Temporary Traffic Stripe, Legend
0240	620-A001		1	Lump Sum	Mobilization
0250	626-C002		33	Mile	6" Thermoplastic Double Drop Edge Stripe, Continuous White
0260	626-D001		6	Mile	6" Thermoplastic Double Drop Traffic Stripe, Skip Yellow
0270	626-E001		26	Mile	6" Thermoplastic Double Drop Traffic Stripe, Continuous Yellow
0280	626-G004		9,625	Linear Feet	Thermoplastic Double Drop Detail Stripe, White
0290	626-G005		1,452	Linear Feet	Thermoplastic Double Drop Detail Stripe, Yellow
0300	626-H001		39	Square Feet	Thermoplastic Double Drop Legend, White

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0310	626-H002		4,968	Linear Feet	Thermoplastic Double Drop Legend, White
0320	627-J001		432	Each	Two-Way Clear Reflective High Performance Raised Markers
0330	627-K001		7	Each	Red-Clear Reflective High Performance Raised Markers
0340	627-L001		3,313	Each	Two-Way Yellow Reflective High Performance Raised Markers
0350	630-A001		497	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness
0360	630-A003		944	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness
0370	630-A005		431	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.1" Thickness
0380	630-C005		6,447	Linear Feet	Square Tube Posts, 2.0 lb/ft
0390	630-F006		98	Each	Delineators, Guard Rail, White
0400	630-G004		351	Each	Type 3 Object Markers, OM-3R or OM-3L
0410	907-619-B001		132	Linear Feet	Temporary Portable Rumble Strips
ALTERNATE GROUP AA NUMBER 1					
0420	304-F001	(GT)	400	Ton	3/4" and Down Crushed Stone Base
ALTERNATE GROUP AA NUMBER 2					
0430	304-F002	(GT)	400	Ton	Size 610 Crushed Stone Base
ALTERNATE GROUP AA NUMBER 3					
0440	304-F003	(GT)	400	Ton	Size 825B Crushed Stone Base

