

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> 5/19/2021 </u>	ADDENDUM NO.	_____	DATED	_____
ADDENDUM NO.	_____	DATED	_____	ADDENDUM NO.	_____	DATED	_____
ADDENDUM NO.	_____	DATED	_____	ADDENDUM NO.	_____	DATED	_____

Number	Description
1	Revised Notice to Bidder Nos. 3290 & 3291; 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.

STP-0018-02(058)/ 108255301000 & SP-9312-00(003)/ 108672301000
 Attala County(ies)

Revised 01/26/2016

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 3290

DATE: May 19, 2021

SUBJECT: Specialty Items

PROJECT: STP-0018-02(058)/108255301 & SP-9312-00(003)/108672301 - ATTALA

Pursuant to the provisions of Section 108, the following work items are hereby designated as "Specialty Items" for this contract. Bidders are reminded that these items must be subcontracted in order to be considered as specialty items.

CATEGORY: GUARDRAIL, GUIDERAIL

Line No	Pay Item	Description
0130	606-B002	Guard Rail, Class A, Type 1, 'W' Beam
0140	606-E001	Guard Rail, Terminal End Section

CATEGORY: MISCELLANEOUS/ SPECIALTY WORK ITEMS

Line No	Pay Item	Description
0110	423-A001	Rumble Strips, Ground In

CATEGORY: PAVEMENT STRIPING AND MARKING

Line No	Pay Item	Description
0270	626-A004	6" Thermoplastic Traffic Stripe, Skip White
0280	626-C004	6" Thermoplastic Edge Stripe, Continuous White
0290	626-D003	6" Thermoplastic Traffic Stripe, Skip Yellow
0300	626-E004	6" Thermoplastic Traffic Stripe, Continuous Yellow
0310	626-G002	Thermoplastic Detail Stripe, White
0320	626-G003	Thermoplastic Detail Stripe, Yellow
0330	626-H004	Thermoplastic Legend, White
0340	626-H005	Thermoplastic Legend, White
0350	627-J001	Two-Way Clear Reflective High Performance Raised Markers
0360	627-K001	Red-Clear Reflective High Performance Raised Markers
0370	627-L001	Two-Way Yellow Reflective High Performance Raised Markers

CATEGORY: TRAFFIC CONTROL - PERMANENT

Line No	Pay Item	Description
0380	630-A001	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness
0390	630-A003	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness
0400	630-A005	Standard Roadside Signs, Sheet Aluminum, 0.1" Thickness
0406	630-C002	Steel U-Section Posts, 2.0 lb/ft
0408	630-C003	Steel U-Section Posts, 3.0 lb/ft
0430	907-632-C001	Modify Existing Traffic Signal Cabinet Assembly
0440	907-641-A002	Signal Stop Bar Radar Vehicle Detection Sensor, Type 2
0450	907-641-B002	Signal Advanced Radar Vehicle Detection Sensor, Type 2

CATEGORY: TRAFFIC CONTROL - PERMANENT

Line No	Pay Item	Description
0460	907-641-D001	Radar Vehicle Detection Cable

CATEGORY: TRAFFIC CONTROL - TEMPORARY

Line No	Pay Item	Description
0190	619-A1001	Temporary Traffic Stripe, Continuous White
0200	619-A2001	Temporary Traffic Stripe, Continuous Yellow
0210	619-A3001	Temporary Traffic Stripe, Skip White
0220	619-A4002	Temporary Traffic Stripe, Skip Yellow
0230	619-A5001	Temporary Traffic Stripe, Detail
0240	619-A6001	Temporary Traffic Stripe, Legend
0250	619-A6002	Temporary Traffic Stripe, Legend
0420	907-619-B001	Temporary Portable Rumble Strips

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 3291

CODE: (SP)

DATE: 04/13/2021

SUBJECT: Scope of Work

PROJECT: STP-0018-02(058) / 108255301 & SP-9312-00(003) / 108672301 – Attala 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:

- Milling and overlaying approximately 7.4 miles of SR No. 12 beginning at McAdams (MP 9.73) and going easterly to the end of the 4-lane east of Kosciusko, and
- Overlaying approximately 4.1 miles of SR 735 beginning at SR 12 West and going northerly for to SR 12 East. Be advised of the omitted portions between Wells and Huntington Streets, and Highway 35 mainline.

GENERAL REQUIREMENTS.

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 work day, a taper of one vertical inch (1”) for each three horizontal feet (3’) 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 begin and be continually prosecuted until all scopes are fulfilled.

All ramps shall be paved a maximum distance of 10 feet or to the existing ROW and shall be tapered to fit existing conditions to allow smooth entry and exit. County roads and/or city streets shall be paved and/or milled to the right-of-way line. County roads and/or city streets shall be restriped.

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 ROUTE 12 -- STP-0018-02(058) / 108255301

Work on this project shall consist of the following.

1. Failed areas shall be repaired using the following.
 - 202-B, Removal of Asphalt Pavement, All Depths – for pavement structure
 - 203-G, Excess Excavation – for material below the pavement structure
 - 403-A, 19-mm, ST, Asphalt
 - 503-C, Saw Cut, Full Depth

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.

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

Station	Side	Width [FT]	Length [FT]	Area [SY]
9+07.2	RT	14	30	47
68+87.2	RT	14	10	16
77+61.8	LT	14	50	78
118+28.7	RT	14	10	16
121+28.7	RT	14	50	78
124+17.0	LT	14	10	16
138+17.0	LT	14	10	16
139+42.4	RT	14	50	78
143+17.0	LT	14	10	16
144+42.4	RT	14	50	78
151+17.0	LT	14	50	78
159+42.4	RT	14	10	16
162+42.4	RT	14	50	78
165+42.4	RT	14	10	16
194+87.0	RT	14	150	234
20+00	LT	30	30	100
370+04	RT	14	10	16
TOTAL				977

The above areas were noted during the field inspection. Additional areas may require repair during construction.

- 2. Existing asphalt pavement at the following locations shall be fine milled to a depth of one and one-half inches (1½”) and variable. The entire section shall be milled. The milling material obtained shall become the property of the Contractor.

Area	Quantity (SY)
Mainline (from McAdams to End of the Four Lane)	159,624
Local Roads	5,000
Pads	9,786
Total	174,410

- 3. The box culvert at station 81+18 has a slope failure on the right shoulder of the mainline which will require slope grading. Slope grading shall be accomplished prior to armoring with riprap. This work shall be completed using the following pay items.
 - 203-EX, Borrow Excavation, AH, FME, Class B9
 - 815-A, Loose Riprap, Size 300

The box culvert’s flow shall be restored by removing debris and sediments from flow line. This work will be absorbed in the above pay items.

- 4. The Contractor shall place 1½” of 9.5-mm, ST, asphalt.

Area	Quantity [Tons]
Mainline	13,198
Local Roads	414
Driveway Pads	810
Total	14,422

- 5. 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 and may include small amounts of asphalt. This work shall be absorbed in other items bid.

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.

- 6. Temporary traffic stripe shall be placed daily as per Section 618 of the Standard Specifications.

7. Radar detection units shall be installed at the traffic signals for the intersections listed in the below table, per the attached information. Note that the radar detection units for the intersection of SR12 and SR35 South have been previously upgraded, and shall not be modified. This work shall be completed using the following pay items.

- 907-632-C, Modify Existing Traffic Signal Cabinet Assembly
- 907-641-A, Signal Stop Bar Radar Vehicle Detection Sensor, Type 2
- 907-641-B, Signal Advanced Radar Vehicle Detection Sensor, Type 2
- 907-641-D, Radar Vehicle Detection Cable

Note 1. Radar units shall be mounted per manufacturer recommendations.

Note 2. Contractor shall remove existing detection loop cable, if necessary.

Note 3. Cable quantities may be adjusted based on radar locations per manufacturer recommendations.

TRAFFIC SIGNAL RADAR DETECTION CHART								
Intersection	Detection Zone Location	Phase #	Detection Zone Size	STOPBAR Radar Unit	Advance Radar Unit	Radar Cable (ft)	Existing Controller Type	Existing Pole Configuration
MS 12 at MLK Dr & N Wells St	WB Left Turn Lane	1	6'X50'	1		110	M60 EPAC	Mast Arm Poles
	WB Thru Lanes	6	330' from STOPBAR		1	50		
	EB Left Turn Lane	5	6'X50'	1		45		
	EB Thru Lanes	2	330' from STOPBAR		1	140		
	NB Lanes	3	6'X50'	1		140		
	SB Lanes	4	6'X50'	1		45		
MS 12 at N. Jackson St & MS 35	WB Left Turn Lane	1	6'X50'	1		160	M60 EPAC	Mast Arm Poles
	WB Thru Lanes	6	6'X50'					
	EB Left Turn Lane	5	6'X50'	1		50		
	EB Thru Lanes	2	6'X50'	1		50		
	NB Lanes	3	6'X50'	1		50		
	SB Lanes	4	6'X50'	1		140		
MS 12 at N. Natchez St.	WB Left Turn Lane	1	6'X50'	1		110	M60 EPAC	Mast Arm Poles
	WB Thru Lanes	6	6'X50'					
	EB Left Turn Lane	5	6'X50'	1		300		
	EB Thru Lanes	2	6'X50'	1		200		
	NB Lanes	3	6'X50'	1		200		
	SB Lanes	4	6'X50'	1		110		
Total				12	2	1650		

8. All existing post mounted standard roadside signs estimated in the attached tables shall be replaced. There will be no separate payment for the removal of the existing signs and the cost shall be absorbed in the replacement sign. The Contractor shall deliver the

removed signs to the MDOT Maintenance Office at Black Jack Road, in Kosciusko. The Contractor shall verify the sign quantity prior to ordering materials. New signs will be installed on existing posts. Existing posts that are damaged will be replaced at the direction of the Engineer using the following pay items.

- 630-C, Steel U-Section Posts, 2.0 lb/ft
- 630-C, Steel U-Section Posts, 3.0 lb/ft

Standard Roadside Signs 0.125"				
Description	Quantity	Sign No.	Area SF	Total SF
Ackerman Carthage	1		9	9
Ackerman Vaiden Kosciusko	1		12	12
Added Lane (Right)	3	W4-3R	9	27
Church	4		9	36
Crossroad	8	W2-1	9	72
Durant (Left Arrow) Ackerman (Right Arrow)	1		9	9
Durant (Up Arrow) Kosciusko (Left Arrow) Vaiden (Right Arrow)	1		12	12
Holmes Community College (Left Arrow)	1		48	48
Holmes Community College (Right Arrow)	1		48	48
Industrial Park Right 500'	2		11	22
Kosciusko Attala County Vo-Tech Center	2		24	48
Lane Ends (Right)	2	W2-2R	9	18
MS Main St Certified	1	7476	16.5	16.5
Plant Entrance	1		9	9
Right Lane Ends	1	W9-1R	9	9
Right Lane Must Turn Right	2	R3-7	9	18
School Bus Stop Ahead	1	S3-1	9	9
Side Road (Left)	2	W2-2	9	18
Side Road (Right)	3	W2-2	9	27
Signal Ahead	6	W3-3	16	96
Vaiden (Up Arrow) Durant (Left Arrow) Ackerman (Right Arrow)	1		12	12
Veterans Home	1		10.5	10.5
Yield	3	R1-2	9	27
Total:			613	

Standard Roadside Signs 0.080"				
Description	Quantity	Sign No.	Area SF	Total SF
Advance Left Directional Arrow Auxiliary	3	M5-1L	2.1875	6.6
Advance Right Directional Arrow Auxiliary	5	M5-1R	2.1875	10.9
Angle Right Directional Arrow Auxiliary	3	M6-2R	2.1875	6.6
Buckle Up It's The Law	1		5	5.0
Cardinal Direction Auxiliary (North)	18	M3-1	2	36.0
Cardinal Direction Auxiliary (South)	20	M3-3	2	40.0
Cardinal Direction Auxiliary (West)	10	M3-4	2	20.0
Cardinal Direction Auxiliary (East)	6	M3-2	2	12.0
Center Lane Left Turn Only	12	R3-9b	5	60.0
Double Directional Arrow Auxiliary	5	M6-4	2.1875	10.9
Hospital	3	D9-2	4	12.0
Junction Auxiliary	9	M2-1	2.1875	19.7
Left Directional Arrow Auxiliary	8	M6-1	2.1875	17.5
Ms State Route (12)	21	M1-5	4	84.0
Ms State Route (19)	22	M1-5	4	88.0
Ms State Route (3 Digit) (735)	1	M1-5	5	5.0
Ms State Route (35)	22	M1-5	4	88.0
Ms State Route (43)	17	M1-5	4	68.0
Ms State Route (735) (3 Digits)	3	M1-5	5	15.0
No Parking Any Time	9	R7-1	1.5	13.5
One Way (Left)	1	R6-2L	5	5.0
One Way (Right)	1	R6-2R	5	5.0
Right Directional Arrow Auxiliary	10	M6-1	2.1875	21.9
Speed Limit (35)	13	R2-1	5	65.0
Speed Limit (45)	9	R2-1	5	45.0
Speed Limit (55)	1	R2-1	5	5.0
Type 3 Object Marker (Left Of Roadway)	3	OM-3L	3	9.0
Type 3 Object Marker (Right Of Roadway)	4	OM-3R	3	12.0
Up (Straight-Through) Directional Arrow Auxiliary	20	M6-3	2.1875	43.8
Up And Left Directional Arrow Auxiliary	6	M6-6L	2.1875	13.1
Up And Right Directional Arrow Auxiliary	2	M6-6R	2.1875	4.4
Weight Limit	1		2.1875	2.2
			Total:	850.0

Standard Roadside Signs 0.100"				
Description	Quantity	Sign No.	Area SF	Total SF
Do Not Enter	6	R5-1	9	54
Stop	21	R1-1	9	189
Two Direction Large Arrow	2	W1-7	8	16
			Total:	259

9. Permanent pavement markings, thermoplastic striping, two-way clear reflective high performance raised markers and two-way yellow reflective high performance raised markers, shall be placed as required.

STATE ROUTE 735 -- SP-9312-00(003) / 108672301

Work on this project shall consist of the following.

1. Failed areas shall be repaired using the following:
 - 202-B, Removal of Asphalt Pavement, All Depths
 - 203-G, Excess Excavation – for material below the pavement structure
 - 403-A, 19-mm, ST, Asphalt Pavement
 - 503-C, Saw Cut, Full Depth (Asphalt)

NOTE: Failed areas are estimated as 1’ of excavation and backfilled with 1’ (maximum 3½” lifts) of 19-mm, ST, asphalt. The asphalt shall be placed per the Project Engineer’s instructions.

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

Station	Side	Length (FT)	Width (FT)	Area (SY)
4+83	RT	78	10	86.67
10+00	RT	70	10	77.78
20+30	RT	40	10	44.44
29+60	LT	40	10	44.44
58+20	LT	150	10	166.67
60+75	RT	50	5	27.78
61+75	RT	275	3	91.67
66+80	LT	35	10	38.89
72+00	LT	120	3	40
75+90	RT	10	5	5.56
77+40	LT	45	10	50
80+00	RT	50	10	55.56
80+40	LT	30	10	33.33
81+20	RT	90	10	100
81+50	RT	10	10	11.11
83+10	RT	40	5	22.22
85+65	LT	35	10	38.89
86+70	LT	70	5	38.89
91+30	RT	5	5	2.78
96+55	LT	120	5	66.67
96+75	RT	40	10	44.44
99+05	LT	160	10	177.78
99+15	RT	50	10	55.56
101+60	LT	125	10	138.89
104+40	LT	35	10	38.89
104+40	RT	80	10	88.89
106+15	LT	70	10	77.78
108+10	RT	5	10	5.56
108+50	LT	5	10	5.56
110+55	LT	125	10	138.89
114+00	BOTH	20	10	22.22
116+35	RT	5	10	5.56
118+65	RT	10	10	11.11
120+00	RT	5	10	5.56
123+40	LT	5	5	2.78

Station	Side	Length (FT)	Width (FT)	Area (SY)
125+35	LT	27	5	15
127+57	BOTH	17	10	18.89
127+80	LT	40	10	44.44
128+45	LT	37	10	41.11
128+82	RT	10	5	5.56
129+10	LT	17	10	18.89
129+10	RT	17	10	18.89
131+40	BOTH	90	10	100
135+70	RT	95	5	52.78
139+00	LT	60	5	33.33
139+90	RT	30	10	33.33
141+50	LT	40	10	44.44
143+60	LT	60	10	66.67
144+40	RT	30	5	16.67
147+60	LT	170	5	94.44
150+50	LT	80	5	44.44
152+40	LT	80	10	88.89
153+60	RT	70	10	77.78
154+10	LT	35	10	38.89
156+00	RT	75	10	83.33

The above areas were noted during the field inspection. Additional areas may require repair during construction.

2. Removal of concrete driveway shall be as follows.

- 202-B, Removal of Concrete Driveways, All Depths
- 403-A, 19-mm, ST, Asphalt Pavement
- 503-C, Saw Cut, Full Depth

These driveways were previously extended into the gutter line and will require saw cutting full depth around the perimeter into both concrete and asphalt. The concrete section shall be saw cut along the length in line with the curb edge, and laterally on each side of the driveway into the gutter. For the asphalt, another cut shall be made to create a straight edge along the joint of the gutter and asphalt.

NOTE: The removed areas shall be backfilled with 19-mm, ST, asphalt.

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

Station	Side	Length (FT)	Width (FT)	Area (SY)
124+35	RT	17	2.00	3.78
124+95	RT	20	2.00	4.44
125+95	RT	30	2.00	6.67
126+72	RT	30	2.00	6.67
127+42	RT	20	2.00	4.44
127+74	RT	25	2.00	5.56

3. The existing asphalt pavement shall be fine milled at the following locations to a depth of 1½” and variable shall be required. The milling material obtained shall become the property of the Contractor.

– Curb and Gutter

In order to refrain from obstructing gutter flow, milling shall be required for a width of five feet (5’) from the gutter’s flowline, while not milling excessively into the mainline. The finished milled surface shall remove asphalt from the gutter, and smoothly transition back to the original asphalt surface.

– SR35 to EOP

For this section, milling depth shall be one inch (1”). Note that the milling depth will not change for Bridge #101.3 which is within this section.

– Bridge # 97.8

Fine milling of the existing asphalt pavement on Bridge # 97.8 to expose existing concrete shall be required. The depth of asphalt on the deck may vary. A milling machine with a milling head no larger than four feet (4’) shall be used. Asphalt shall be milled to a depth such that the milling head does not come in contact with the bridge deck. The asphalt depth on the bridge deck after milling shall not be thinner than one-half inch (½”). Once this depth is reached, the Contractor must utilize another method to remove the remaining asphalt in a fashion that does not harm the existing structure. Any damages to the deck shall be repaired at the Contractor’s expense.

Area	Quantity (SY)
Milling of Curb and Gutter (One Width)	4231
Side Streets and Tie-ins	1777
SR35 to EOP (Full Width)	13114
Bridge #97.8 (Full Width)	934
Total	20056

4. Slopes of the box at Station 171+40 shall be repaired using the following.

- 203-EX, Borrow Excavation, AH, FME, Class B9
- 815-A, Loose Riprap, Size 300

The area shown below will have slopes that require proper grading. To prevent further erosion of the embankment, armoring with riprap at a uniform thickness shall also be required.



- 5. The guard rail and terminal end sections shall be removed and replaced at the following locations. No separate payment will be made for guard rail and terminal end sections removal and all costs shall be included in other items bid.

Station	Guard Rail Removal	Guard Rail Length	Bridge End Section	Terminal Section
171+40RT	105	150	0	2
171+40LT	105	150	0	2

Installation of the guardrail shall require long span guardrail as shown on the attached sheet. Due to the steep slopes behind the guardrail, all posts used in the normal guardrail section shall be eight feet (8') long. The cost of the long span guardrail and the 8-foot posts shall be absorbed in the guardrail pay item.

- 6. Adjustment of manholes and water valves shall be completed at the following locations as the paving operation is underway. The manholes and water valves should be raised in elevation by one and one half inches (1½") to adjust for overlay.

Manhole
52+20
68+69
76+18
85+94
86+30
111+24
116+00
119+54
120+90
122+46
124+34
126+54
130+39
131+54
141+24
151+69

Water Valve
76+18
85+94
86+30
103+29
107+86
107+94
111+90
114+61
119+89
126+53

The above areas were noted during the field inspection. If additional areas are found, adjustment shall be required unless instructed otherwise by the Project Engineer.

- 7. The Contractor shall place 1½” of 9.5-mm, ST, asphalt course.

Area	Quantity (tons)
Mainline	4137
Local Roads	736
Driveway Pads	375
Total	5248

- 8. 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 and may include small amounts of asphalt; this work shall be absorbed in other items.

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.

9. Temporary traffic stripe shall be placed daily as per Section 618 of the Standard Specifications.

10. Radar detection shall be installed at the traffic signal for the intersection listed in the below table, per the attached information. This work shall be completed using the following pay items.

- 907-632-C, Modify Existing Traffic Signal Cabinet Assembly
- 907-641-A, Signal Stop Bar Radar Vehicle Detection Sensor, Type 2
- 907-641-B, Signal Advanced Radar Vehicle Detection Sensor, Type 2
- 907-641-D, Radar Vehicle Detection Cable

Note 1. Radar units shall be mounted per manufacturer recommendations.

Note 2. Contractor may remove existing detection loop cable, if necessary.

Note 3. Cable quantities may be adjusted based on radar locations per manufacturer recommendations.

TRAFFIC SIGNAL RADAR DETECTION CHART								
Intersection	Detection Zone Location	Phase #	Detection Zone Size	STOPBAR Radar Unit	Advance Radar Unit	Radar Cable (ft)	Existing Controller Type	Existing Pole Configuration
MS 35 at Jefferson St	NB Left Turn Lane	1	6'X50'	1		90	M60 EPAC	Mast Arm Poles
	NB Thru Lanes	6	330' from STOPBAR		1	90		
	SB Left Turn Lane	5	6'X50'	1		310		
	SB Thru Lanes	2	330' from STOPBAR		1	310		
	EB Lanes	3	6'X50'	1		160		
	WB Lanes	4	6'X50'	1		280		
Total				4	2	1240		

11. Radar detection shall be installed at the traffic signal at SR 35 and Valley Street.

- 4 -- Matrix stop bar radars
- 2 -- Ext. Advance radars
- 1000 L.F. -- Radar cable
- 1 -- Modify existing Traffic Signal Cabinet Assembly

All existing post mounted standard roadside signs estimated in the attached tables shall be replaced. There will be no separate payment for the removal of the existing signs and the cost is to be absorbed in the replacement sign. The Contractor shall deliver the removed signs to the MDOT Maintenance Office at Black Jack Road, in Kosciusko. The Contractor shall verify the sign quantity prior to ordering materials.

New signs will be installed on existing posts. Existing posts that are damaged will be replaced at the direction of the Engineer using the following pay items.

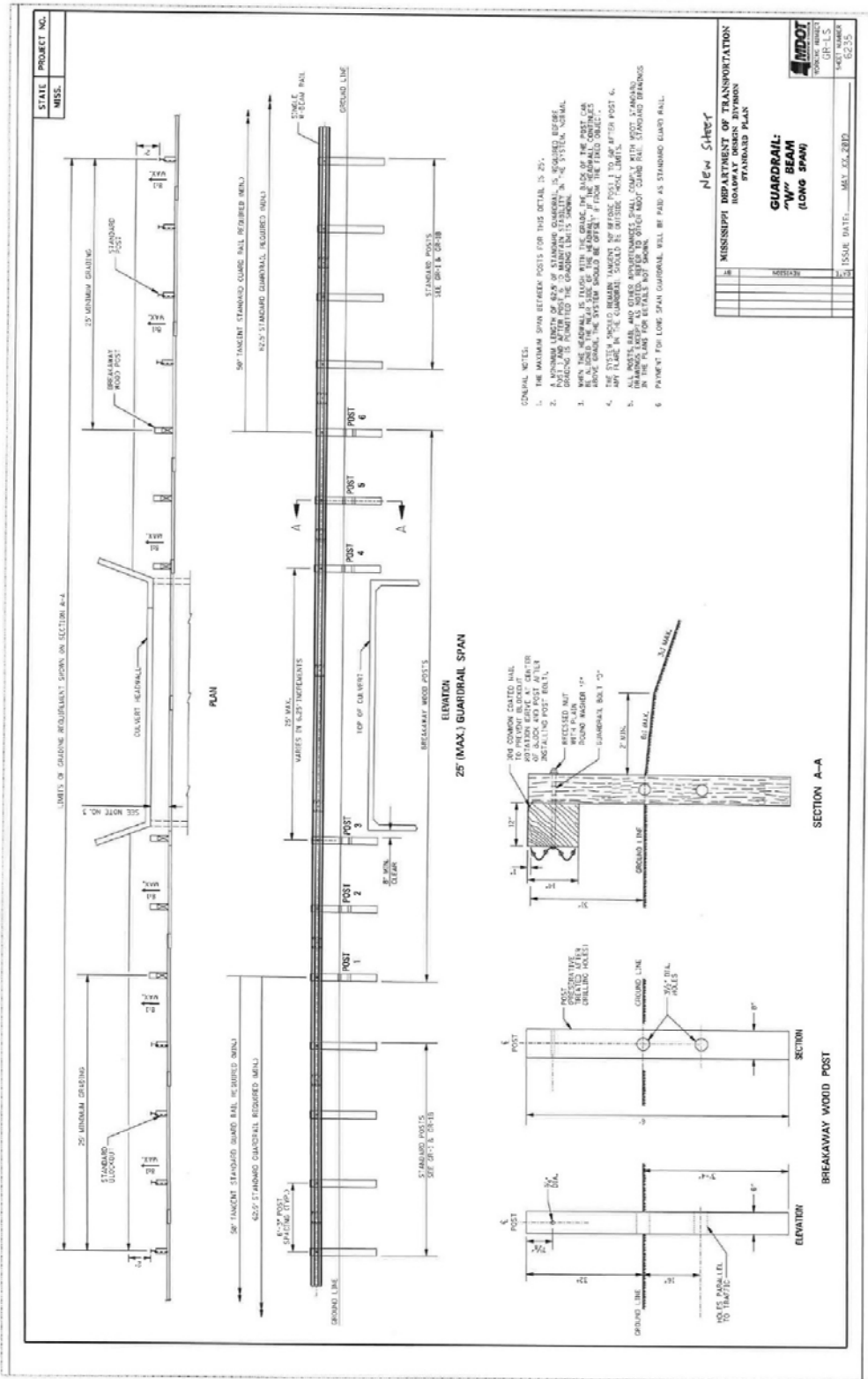
- 630-C, Steel U-Section Posts, 2.0 lb/ft
- 630-C, Steel U-Section Posts, 3.0 lb/ft

STANDARD ROADSIDE SIGNS 0.080"				
Description	Quantity	Sign No.	Unit Area SF	Total SF
MS STATE ROUTE (3 DIGIT) (735)	14	M1-5	5	70
CARDINAL DIRECTION AUXILIARY (NORTH)	5	M3-1	2	10
KOSCIUSKO CITY LIMIT	1		3	3
URBAN LIMIT	1		1.5	1.5
SPEED LIMIT 45	14	R2-1	5	70
BUCKLE UP	1		5	5
\$250 FINE FOR THROWING TRASH	1		3	3
CARDINAL DIRECTION AUXILIARY (SOUTH)	7	M3-1	2	14
NO PARKING ANYTIME	2	R7-1	1.5	3
TYPE 3 OBJECT MARKER (LEFT OF ROADWAY)	4	OM-3L	3	12
TYPE 3 OBJECT MARKER (RIGHT OF ROADWAY)	4	OM-3R	3	12
\$250 FINE FOR THROWING TRASH ON HIGHWAY	1		3	3
4-WAY	4	R1-3	2	8
SPEED LIMIT 35	11	R2-1	5	55
END STATE MAINTENANCE	2		3	6
BEGIN STATE MAINTENANCE	2		3	6
ONE WAY (LEFT)	2	R6-1L	3	6
NO PARKING WITHIN (10) FT OF PAVEMENT	1		5	5
SPEED LIMIT 15	1	R2-1	5	5
MS STATE ROUTE (12)	1	M1-5	4	4
JUNCTION	1	M2-1	2.1875	2.1875
TOTAL				303.69

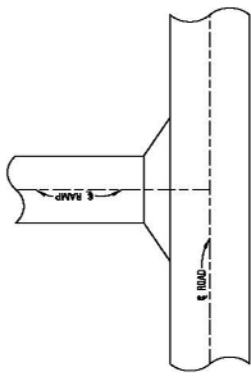
STANDARD ROADSIDE SIGNS 0.100"				
Description	Quantity	Sign No.	Unit Area SF	Total Unit SF
STOP	32	R1-2	9	288
DO NOT ENTER	2	R5-1	9	18
TOTAL				306

STANDARD ROADSIDE SIGNS 0.125"				
Description	Quantity	Sign No.	Unit Area SF	Total Unit SF
STOP AHEAD	5	W3-1	9	45
CHURCH	2		9	18
SCHOOL BUS STOP AHEAD	2	S3-1	9	18
SCHOOL CROSSING	2		9	18
SIGNAL AHEAD	2	W3-3	9	18
SIDE ROAD (RIGHT)	1	W2-2	9	9
SIDE ROAD (LEFT)	1	W2-2	9	9
TOTAL				135

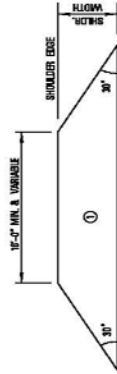
12. Permanent pavement markings, thermoplastic striping, two-way clear reflective high performance raised markers and two-way yellow reflective high performance raised markers, shall be placed as required.



STATE	PROJECT NO.
MISS.	



PLAN VIEW OF RAMP



DETAIL OF PAVED APRON

① 1-12" & VARIABLE DEPTH ASPHALT PAVEMENT REQUIRED



MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
MISCELLANEOUS DETAIL	
PROJECT NO.	
DATE	
DESIGNED BY	
CHECKED BY	
IN CHARGE	
FILE NAME	MS-1
DATE	

Seal & Thin Lift approximately 7 miles on SR 12 from McAdams to Kosciusko East End 4 - Lane, known as Federal Aid Project No. STP-0018-02(058) / 108255301 and Mill & Overlay approximately 4 miles on SR 735 from SR 12 West of Kosciusko to SR 12 East of Kosciusko, known as State Project No. SP-9312-00(003) / 108672301 in Attala County.

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
Roadway Items					
0010	202-B007		3,777	Square Yard	Removal of Asphalt Pavement, All Depths
0020	202-B052		32	Square Yard	Removal of Concrete Driveways, All Depths
0030	203-EX020	(E)	325	Cubic Yard	Borrow Excavation, AH, FME, Class B9
0040	203-G001	(E)	316	Cubic Yard	Excess Excavation, FM, AH
0050	304-B002	(GT)	3,784	Ton	Granular Material, Class 3, Group D
0060	403-A006	(BA1)	2,500	Ton	19-mm, ST, Asphalt Pavement
0070	403-A015	(BA1)	19,675	Ton	9.5-mm, ST, Asphalt Pavement
0080	403-B012	(BA1)	750	Ton	9.5-mm, ST, Asphalt Pavement, Leveling
0090	406-D001		194,465	Square Yard	Fine Milling of Bituminous Pavement, All Depths
0100	407-A001	(A2)	17,861	Gallon	Asphalt for Tack Coat
0110	423-A001		11	Mile	Rumble Strips, Ground In
0120	503-C010		5,523	Linear Feet	Saw Cut, Full Depth
0130	606-B002		300	Linear Feet	Guard Rail, Class A, Type 1, 'W' Beam
0140	606-E001		4	Each	Guard Rail, Terminal End Section
0150	613-D005		16	Each	Adjustment of Manhole
0160	613-D011		11	Each	Adjustment of Water Valve
0170	618-A001		1	Lump Sum	Maintenance of Traffic
0180	618-B001		20	Square Feet	Additional Construction Signs [\$10.00]
0190	619-A1001		21	Mile	Temporary Traffic Stripe, Continuous White
0200	619-A2001		12	Mile	Temporary Traffic Stripe, Continuous Yellow
0210	619-A3001		3	Mile	Temporary Traffic Stripe, Skip White
0220	619-A4002		8	Mile	Temporary Traffic Stripe, Skip Yellow
0230	619-A5001		24,695	Linear Feet	Temporary Traffic Stripe, Detail
0240	619-A6001		1,166	Square Feet	Temporary Traffic Stripe, Legend
0250	619-A6002		6,368	Linear Feet	Temporary Traffic Stripe, Legend
0260	620-A001		1	Lump Sum	Mobilization
0262	626-F003		8	Mile	6" Thermoplastic Edge Stripe, Continuous Yellow
0270	626-A004		3	Mile	6" Thermoplastic Traffic Stripe, Skip White
0280	626-C004		21	Mile	6" Thermoplastic Edge Stripe, Continuous White
0290	626-D003		8	Mile	6" Thermoplastic Traffic Stripe, Skip Yellow
0300	626-E004		12	Mile	6" Thermoplastic Traffic Stripe, Continuous Yellow
0310	626-G002		16,707	Linear Feet	Thermoplastic Detail Stripe, White

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0320	626-G003		7,728	Linear Feet	Thermoplastic Detail Stripe, Yellow
0330	626-H004		1,354	Square Feet	Thermoplastic Legend, White
0340	626-H005		7,328	Linear Feet	Thermoplastic Legend, White
0350	627-J001		1,552	Each	Two-Way Clear Reflective High Performance Raised Markers
0360	627-K001		561	Each	Red-Clear Reflective High Performance Raised Markers
0370	627-L001		1,865	Each	Two-Way Yellow Reflective High Performance Raised Markers
0380	630-A001		1,154	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness
0390	630-A003		748	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness
0400	630-A005		565	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.1" Thickness
0406	630-C002		700	Linear Feet	Steel U-Section Posts, 2.0 lb/ft
0408	630-C003		700	Linear Feet	Steel U-Section Posts, 3.0 lb/ft
0410	815-A007	(S)	410	Ton	Loose Riprap, Size 300
0420	907-619-B001		132	Linear Feet	Temporary Portable Rumble Strips
0430	907-632-C001		5	Each	Modify Existing Traffic Signal Cabinet Assembly
0440	907-641-A002		16	Each	Signal Stop Bar Radar Vehicle Detection Sensor, Type 2
0450	907-641-B002		6	Each	Signal Advanced Radar Vehicle Detection Sensor, Type 2
0460	907-641-D001		3,890	Linear Feet	Radar Vehicle Detection Cable