

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE J	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. 0001	3. EFFECTIVE DATE 09-Jul-2004	4. REQUISITION/PURCHASE REQ. NO. W807PM-4139-1911		5. PROJECT NO.(If applicable)
6. ISSUED BY VBURG CONSOL CONTRACTING OFC 4155 CLAY ST VICKSBURG MS 39183-3435	CODE W912EE	7. ADMINISTERED BY (If other than item 6) See Item 6		
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)		<input checked="" type="checkbox"/> 9A. AMENDMENT OF SOLICITATION NO. W912EE-04-B-0013		
		<input checked="" type="checkbox"/> 9B. DATED (SEE ITEM 11) 21-Jun-2004		
		10A. MOD. OF CONTRACT/ORDER NO.		
		10B. DATED (SEE ITEM 13)		
CODE	FACILITY CODE			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS				
<input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input type="checkbox"/> is extended, <input checked="" type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning <u> 1 </u> copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.				
12. ACCOUNTING AND APPROPRIATION DATA (If required)				
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.				
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.				
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).				
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:				
D. OTHER (Specify type of modification and authority)				
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.				
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Reference Invitation for Bids No. W912EE-04-B-0013 for Indefinite Delivery/Indefinite Quantity, Mississippi Lakes Paving Contract, Arkatbutla Lake, Enid Lake, Grenada Lake, and Sardis Lake, Mississippi, scheduled to open 1430 Hours, 22 July 2004, is amended as shown on Page 2.				
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.				
15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)		
		TEL:	EMAIL:	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA		16C. DATE SIGNED
_____ (Signature of person authorized to sign)		BY _____ (Signature of Contracting Officer)		09-Jul-2004

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

TECHNICAL SPECIFICATIONS

Section 00010 - BIDDING SCHEDULE, Pages 3, 4, and 5 of 150 have been revised and replaced.

Section 01270 MEASUREMENT AND PAYMENT has been revised and replaced.

Section 02502 REPAIR OF BITUMINOUS PAVEMENT, a sheet showing interior and exterior patch details has been added at the end of the Section.

Section 02552 HOT BITUMINOUS PAVEMENT, a sheet showing overlay details has been added at the end of the Section.

Section 02763 PAVEMENT MARKINGS has been revised and replaced. Paragraph 1.8 ADDITIONAL PAVEMENT MARKING has been added. Three sheets showing additional pavement marking details have been added at the end of the Section.

Section 02850 WHEEL STOPS, a sheet showing wheel stop details has been added at the end of the Section.

Pages revised by this amendment have the notation "Revised by Amendment 0001" at the bottom of the page. Text deleted by this amendment is shown as overstruck. Text added by this amendment is shown as underlined.

Pages added by this amendment have the notation "Added by Amendment 0001" at the bottom of the page.

Encls: Section 00010 - Bidding Schedule, Pages 3, 4, and 5
Section 01270, Pages 1 thru 7
Section 02502, One Detail Sheet
Section 02552, One Detail Sheet
Section 02763, Pages 1 thru 5, and Three Detail Sheets
Section 02850, One Detail Sheet

**SECTION 00010 – BIDDING SCHEDULE
INDEFINITE DELIVERY/INDEFINITE QUANTITY
MISSISSIPPI LAKES PAVING CONTRACT
ARKABUTLA LAKE, ENID LAKE, GRENADA LAKE AND SARDIS LAKE, MISSISSIPPI**

ITEM NO	DESCRIPTION	EST QTY	UNIT	UNIT PRICE	AMOUNT
0001	BASE YEAR				
0001AA	MOBILIZATION AND DEMOBILIZATION PER EACH TASK ORDER	1	LS	FOR	\$ _____
0001AB	HOT BITUMINOUS PAVEMENT	19,973	TN	\$ _____	\$ _____
0001AC	PAVEMENT MILLING	43,610	SY	\$ _____	\$ _____
0001AD	PAVEMENT REPAIR	631	SY	\$ _____	\$ _____
0001AE	CRACK SEALANT	2,460	LF	\$ _____	\$ _____
0001AF	SHAPE AND REGRADE SHOULDERS	99,173	LF	\$ _____	\$ _____
0001AG	SHOULDER COURSE MATERIAL	2,530	TN	\$ _____	\$ _____
0001AH	PAVEMENT STRIPING	151,779	LF	\$ _____	\$ _____
0001AJ	REMOVAL AND REINSTALLATION OF EXISTING WHEEL STOPS	426	EA	\$ _____	\$ _____
0001AK	REMOVAL OF EXISTING WOODEN WHEEL STOPS	39	EA	\$ _____	\$ _____
0001AL	INSTALLATION OF NEW WHEEL STOPS	39	EA	\$ _____	\$ _____
0001AM	REMOVAL AND REINSTALLATION OF EXISTING RAISED PAVEMENT MARKERS	601	EA	\$ _____	\$ _____
0001AN	INSTALLATION OF NEW RAISED PAVEMENT MARKERS	2	EA	\$ _____	\$ _____
*0001AP	PAVEMENT MARKING – HANDICAP SYMBOL	35	EA	\$ _____	\$ _____
0001AQ	PAVEMENT MARKING – DIRECTIONAL ARROW	50	EA	\$ _____	\$ _____
0001AR	PAVEMENT MARKING – STOP MARKING	15	EA	\$ _____	\$ _____
0001AS	PAVEMENT MARKING – INDIVIDUAL LETTERS	10	EA	\$ _____	\$ _____*
	TOTAL BID PRICE-BASE YEAR				\$ _____

**SECTION 00010 – BIDDING SCHEDULE
INDEFINITE DELIVERY/INDEFINITE QUANTITY
MISSISSIPPI LAKES PAVING CONTRACT
ARKABUTLA LAKE, ENID LAKE, GRENADA LAKE AND SARDIS LAKE, MISSISSIPPI**

ITEM NO	DESCRIPTION	EST QTY	UNIT	UNIT PRICE	AMOUNT
0002	FIRST OPTION YEAR				
0002AA	MOBILIZATION AND DEMOBILIZATION PER EACH TASK ORDER	1	LS	FOR	\$ _____
0002AB	HOT BITUMINOUS PAVEMENT	20,530	TN	\$ _____	\$ _____
0002AC	PAVEMENT MILLING	97,620	SY	\$ _____	\$ _____
0002AD	PAVEMENT REPAIR	2,060	SY	\$ _____	\$ _____
0002AE	CRACK SEALANT	37,600	LF	\$ _____	\$ _____
0002AF	SHAPE AND REGRADE SHOULDERS	94,457	LF	\$ _____	\$ _____
0002AG	SHOULDER COURSE MATERIAL	2,410	TN	\$ _____	\$ _____
0002AH	PAVEMENT STRIPING	269,861	LF	\$ _____	\$ _____
0002AJ	REMOVAL AND REINSTALLATION OF EXISTING WHEEL STOPS	525	EA	\$ _____	\$ _____
0002AK	NOT USED				
0002AL	NOT USED				
0002AM	REMOVAL AND REINSTALLATION OF EXISTING RAISED PAVEMENT MARKERS	31	EA	\$ _____	\$ _____
0002AN	INSTALLATION OF NEW RAISED PAVEMENT MARKERS	231	EA	\$ _____	\$ _____
*0002AP	PAVEMENT MARKING – HANDICAP SYMBOL	35	EA	\$ _____	\$ _____
0002AQ	PAVEMENT MARKING – DIRECTIONAL ARROW	50	EA	\$ _____	\$ _____
0002AR	PAVEMENT MARKING – STOP MARKING	27	EA	\$ _____	\$ _____
0002AS	PAVEMENT MARKING – INDIVIDUAL LETTERS	10	EA	\$ _____	\$ _____*
	TOTAL FIRST OPTION YEAR				\$ _____

**SECTION 00010 – BIDDING SCHEDULE
INDEFINITE DELIVERY/INDEFINITE QUANTITY
MISSISSIPPI LAKES PAVING CONTRACT
ARKABUTLA LAKE, ENID LAKE, GRENADA LAKE AND SARDIS LAKE, MISSISSIPPI**

ITEM NO	DESCRIPTION	EST QTY	UNIT	UNIT PRICE	AMOUNT
0003	SECOND OPTION YEAR				
0003AA	MOBILIZATION AND DEMOBILIZATION PER EACH TASK ORDER	1	LS	FOR	\$ _____
0003AB	HOT BITUMINOUS PAVEMENT	19,635	TN	\$ _____	\$ _____
0003AC	PAVEMENT MILLING	76,119	SY	\$ _____	\$ _____
0003AD	PAVEMENT REPAIR	645	SY	\$ _____	\$ _____
0003AE	CRACK SEALANT	3,121	LF	\$ _____	\$ _____
0003AF	SHAPE AND REGRADE SHOULDERS	50,787	LF	\$ _____	\$ _____
0003AG	SHOULDER COURSE MATERIAL	1,295	TN	\$ _____	\$ _____
0003AH	PAVEMENT STRIPING	162,699	LF	\$ _____	\$ _____
0003AJ	REMOVAL AND REINSTALLATION OF EXISTING WHEEL STOPS	359	EA	\$ _____	\$ _____
0003AK	REMOVAL OF EXISTING WOODEN WHEEL STOPS	50	EA	\$ _____	\$ _____
0003AL	INSTALLATION OF NEW WHEEL STOPS	50	EA	\$ _____	\$ _____
0003AM	REMOVAL AND REINSTALLATION OF EXISTING RAISED PAVEMENT MARKERS	950	EA	\$ _____	\$ _____
0003AN	INSTALLATION OF NEW RAISED PAVEMENT MARKERS	755	EA	\$ _____	\$ _____
*0003AP	PAVEMENT MARKING – HANDICAP SYMBOL	17	EA	\$ _____	\$ _____
0003AQ	PAVEMENT MARKING – DIRECTIONAL ARROW	50	EA	\$ _____	\$ _____
0003AR	PAVEMENT MARKING – STOP MARKING	9	EA	\$ _____	\$ _____
0003AS	PAVEMENT MARKING – INDIVIDUAL LETTERS	10	EA	\$ _____	\$ _____
	TOTAL SECOND OPTION YEAR				\$ _____*
	TOTAL ALL YEARS				\$ _____

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DIVISION 01 - GENERAL REQUIREMENTS

SECTION 01270

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1.1.2 Lump Sum Items

1.2 UNIT PRICE PAYMENT ITEMS

1.2.1 General

1.2.2 Unit Price Items

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PART 3 EXECUTION (Not Applicable)

-- End of Section Table of Contents --

SECTION 01270

MEASUREMENT AND PAYMENT

PART 1 GENERAL

1.1 LUMP SUM PAYMENT ITEMS

1.1.1 General

Payment items for the work of this contract for which contract lump sum payments will be made are listed in the BIDDING SCHEDULE and described below. All costs for items of work, which are not specifically mentioned to be included in a particular lump sum or unit price payment item, shall be included in the listed lump sum item most closely associated with the work involved. The lump sum price and payment made for each item listed shall constitute full compensation for furnishing all plant, labor, materials, and equipment, and performing any associated Contractor quality control, submittal procedures, environmental protection, meeting safety requirements, tests and reports, and for performing all work required for which separate payment is not otherwise provided.

1.1.2 Lump Sum Items

a. "Mobilization and Demobilization Per Each Task Order"

(1) Payment will be made for all costs associated with mobilization and demobilization per each task order, as defined in Section 00800 SPECIAL CONTRACT REQUIREMENTS, paragraph PAYMENT FOR MOBILIZATION AND DEMOBILIZATION. Mobilization and demobilization per each task order will be paid for at the applicable contract lump sum price for Bid Item "Mobilization and Demobilization per Each Task Order", as listed in the Bidding Schedule. Prices and payments therefor shall constitute full compensation for mobilizing and demobilizing all labor, equipment, tools, materials, and incidentals necessary to complete the work as specified herein and as indicated on the task order drawings. Mobilization and Demobilization will only be paid per task order if the Contractor moves equipment from off site to the task order location or from one lake to another lake. No payment will be made for Mobilization and Demobilization if a separate task order is issued for the same lake as the preceding task order and the Contractor's equipment is still at the lake.

(2) Unit of measure: lump sum.

1.2 UNIT PRICE PAYMENT ITEMS

1.2.1 General

Payment items for the work of this contract on which unit price payments will be made are listed in the BIDDING SCHEDULE and described below. The unit price and payment made for each item listed shall constitute full compensation for furnishing all plant, labor, materials, and equipment, and performing any associated Contractor quality control, submittal procedures, environmental protection, meeting safety requirements, tests and reports,

and for performing all work required for each of the unit price items.

1.2.2 Unit Price Items

a. "Hot Bituminous Pavement"

(1) Payment will be made for all costs associated with constructing the new hot bituminous pavement overlays, including furnishing scales and measuring for payment, and all work incidental thereto. No separate payment will be made for prime coat or tack coat, and all costs associated therewith shall be included in the applicable contract unit price for "Hot Bituminous Pavement" or "Pavement Repair". The hot bituminous pavement associated with pavement repair work will not be included in this bid item.

(2) Measurement for hot bituminous pavement in overlays shall be made by the ton. Scales shall be furnished by the Contractor and located at the plant, or public scales approved by the Contracting Officer may be used at the Contractor's expense. The platform shall be of sufficient length and the scales of adequate capacity to weigh the entire vehicle in one operation. Scales shall be checked and certified by a reputable scales company in the presence of the Contracting Officer's Representative prior to use for measurement of materials. Tests shall be continued at six month intervals with tests conducted in the presence of the Contracting Officer's Representative. Truck scales shall be accurate to within one-half of one percent of the applied load, shall be sensitive to 20 pounds or less, and shall have a graduation of not more than 20 pounds. The Contractor may use an electronic weighing system approved by the Contracting Officer in lieu of truck scales. The system shall be equipped with an automatic printout system which will print the weight of the material being delivered and other required project information. Such weight shall be evidenced by a weigh ticket for each load. The recorded weight shall be accurate to within one-half of one percent of the true weight, and the system shall be sensitive to 20 pounds or less. The Contracting Officer may require random loads to be checked on certified platform scales at no additional costs to the Government. When an electronic weighing system utilizes the plant scales of a batch plant, the system may be used only in conjunction with a fully automatic batching and control system.

(3) Unit of measure: ton.

b. "Crack Sealant"

(1) Payment will be made for all costs associated with sealing the cracks as determined by the Contracting Officer in the field, and all work incidental thereto.

(2) Measurement for crack sealant will be by the linear foot (LF) of cracks sealed. Cracks will be measured in the field to the nearest 1/10 of a foot, and the total quantity will be rounded to the nearest linear foot.

(3) Unit of measure: linear foot.

- c. "Removal of Existing Wooden Wheel Stops"
 - (1) Payment will be made for all costs associated with removing the existing wooden stops, and all work incidental thereto.
 - (2) Measurement will be made on the basis of each existing wooden wheel stop satisfactorily removed.
 - (3) Unit of measure: each.
- d. "Installation of New Wheel Stops"
 - (1) Payment will be made for all costs associated with furnishing and installing new wheel stops, and all work incidental thereto.
 - (2) Measurement will be made on the basis of each new wheel stop satisfactorily installed.
 - (3) Unit of measure: each.
- e. "Pavement Repair"
 - (1) Payment will be made for all costs associated with performing the pavement repair, including saw cutting and removing existing hot bituminous pavement and base course; scarifying, shaping and compacting subgrade; placing and compacting new base course material; prime coat; constructing new hot bituminous pavement; and all work incidental thereto.
 - (2) Measurement for pavement repair will be made by the square yard, calculated by multiplying the field measured widths by the field measured horizontal lengths along the centerline. Quantities will be rounded to the nearest 0.10 square yard.
 - (3) Unit of measure: square yard.
- f. "Shape and Regrade Shoulders"
 - (1) Payment will be made for all costs associated with shaping and regrading the shoulder course, including regrading and compacting the shoulder course, and all work incidental thereto.
 - (2) Measurement will be made by the linear foot measured in the field along the length of the shoulders required to be shaped and regraded. Measurement will be made to the nearest 1/10 of a foot, and the total quantity will be rounded to the nearest linear foot.
 - (3) Unit of measure: linear foot.
- g. "Shoulder Course Material"
 - (1) Payment will be made for all costs associated with placing the new granular shoulder course material, including providing scales and measuring for payment, and all work incidental thereto.
 - (2) Truckload. Each truck load shall be weighed by the Contractor to the nearest 0.1 ton and the final quantity rounded to the nearest whole ton. New granular shoulder course material shall be measured for payment by being weighed on approved scales

before being placed in the work. The Contractor shall furnish the scales and shall weigh the material in the presence of the Contracting Officer's representative who will certify to the correctness thereof. Scales shall be of sufficient length to permit simultaneous weighing of all axle loads and shall be inspected, tested and sealed as directed by the Contracting Officer to ensure an accuracy within 0.5 percent throughout the range of the scales. The scale's accuracy shall be certified as to accuracy by an acceptable scales company representative prior to weighing. The scales shall be located at the site of work. If commercial scales are readily available in close proximity (within 10 miles) of site of work, the Contracting Officer may approve the use of the scales. The Contracting Officer may elect to accept certified weight certificates furnished by a public weigh master in lieu of scale weights at the jobsite. Quarry weights will not be accepted. Scales shall be checked and certified before hauling new granular shoulder course material and rechecked and recertified whenever a variance is suspected.

(3) Unit of measure: ton.

h. "Pavement Milling"

(1) Payment will be made for all costs associated with performing the pavement milling, including milling, removal and disposal of milled material, and all work incidental thereto.

(2) Measurement will be made by the square yard of material milled and removed to disposal. Areas will be computed to the nearest 1/10 of a square yard by performing field measurements of the areas of pavement required to be milled.

(3) Unit of measure: cubic yard.

i. "Removal and Reinstallation of Existing Raised Pavement Markers"

(1) Payment will be made for all costs associated with the removal and installation of existing raised pavement markers, and all work incidental thereto.

(2) Measurement will be made on the basis of each existing pavement marker satisfactorily removed and reinstalled.

(3) Unit of measure: each.

j. "Installation of New Raised Pavement Markers"

(1) Payment will be made for all costs associated with furnishing and installing the new raised pavement markers, and all work incidental thereto.

(2) Measurement will be made on the basis of each pavement marker satisfactorily installed.

(3) Unit of measure: each.

k. "Removal and Reinstallation of Existing Wheel Stops"

(1) Payment will be made for all costs associated with removing

and reinstalling existing wheel stops, and all work incidental thereto.

(2) Measurement will be made on the basis of each existing wheel stop (not including wooden wheel stops) satisfactorily removed and subsequently reinstalled.

(3) Unit of measure: each.

1. "Pavement Striping"

(1) Payment will be made for all costs associated with pavement striping, and all work incidental thereto.

(2) Measurement will be made on the basis of the linear foot of ~~roadway required to be striped, measured along the centerline of the roadway, and rounded~~ striping satisfactorily placed, measured to the nearest foot.

(3) Unit of measure: linear foot.

m. "Pavement Marking - Handicap Symbol"

(1) Payment will be made for all costs associated with pavement marking-handicap parking space symbols, and all work incidental thereto.

(2) Measurement will be made on the basis of each handicap parking space symbol satisfactorily placed.

(3) Unit of measure: each.

n. "Pavement Marking - Directional Arrow"

(1) Payment will be made for all costs associated with pavement marking-directional arrows, and all work incidental thereto.

(2) Measurement will be made on the basis of each directional arrow satisfactorily placed.

(3) Unit of measure: each.

o. "Pavement Marking - Stop Marking"

(1) Payment will be made for all costs associated with pavement marking-stop marking, and all work incidental thereto.

(2) Measurement will be made on the basis of each stop marking satisfactorily placed.

(3) Unit of measure: each.

p. "Pavement Marking - Individual Letters"

(1) Payment will be made for all costs associated with pavement marking-individual letters, and all work incidental thereto.

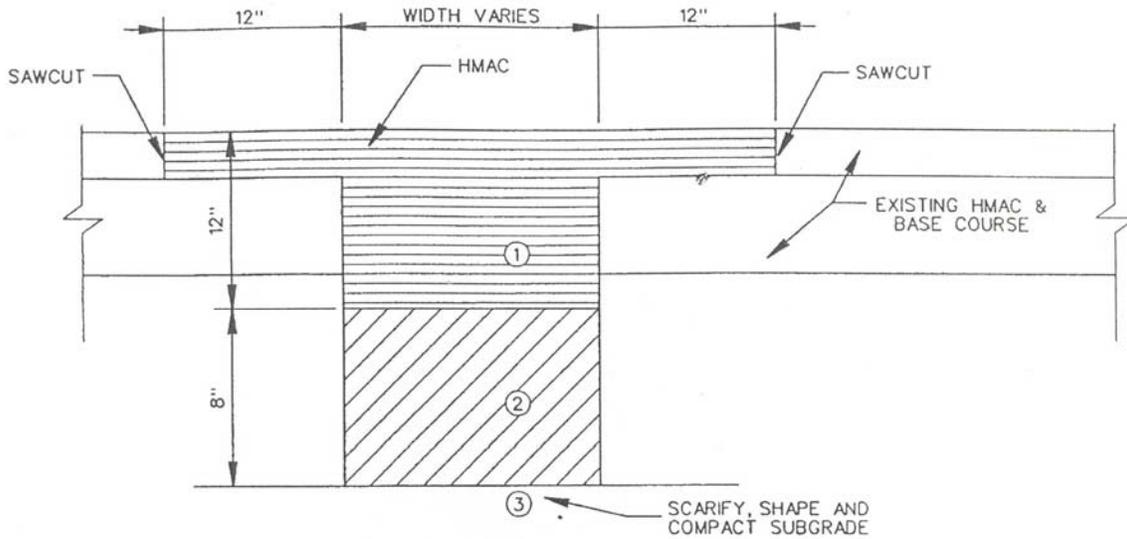
(2) Measurement will be made on the basis of each individual letter satisfactorily placed.

(3) Unit of measure: each.

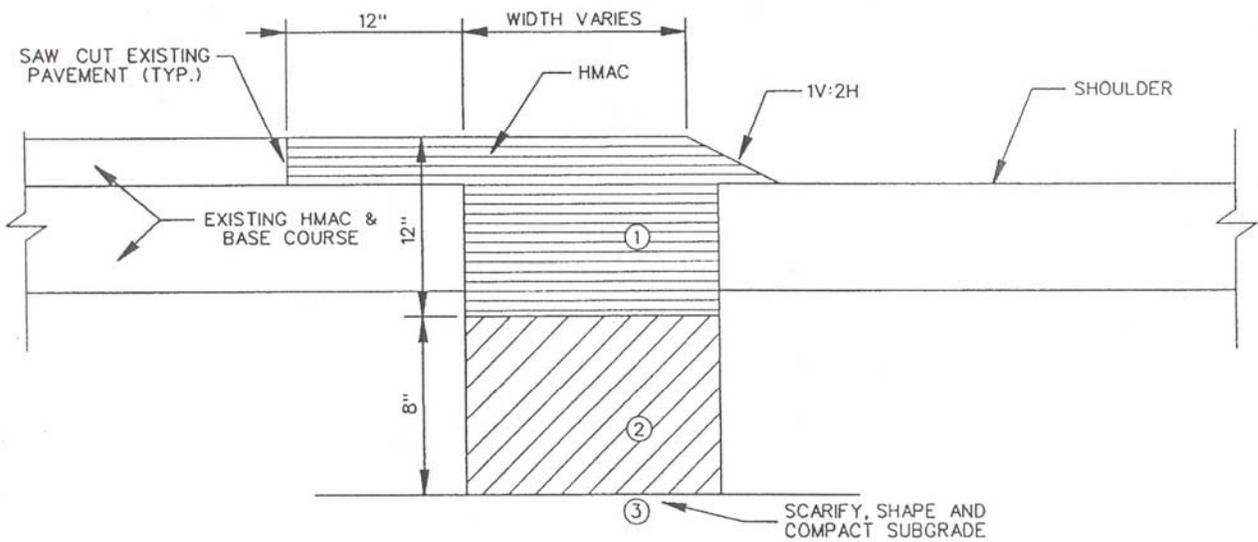
PART 2 PRODUCTS (Not Applicable)

PART 3 EXECUTION (Not Applicable)

-- End of Section --



INTERIOR PATCH DETAIL
N.T.S.

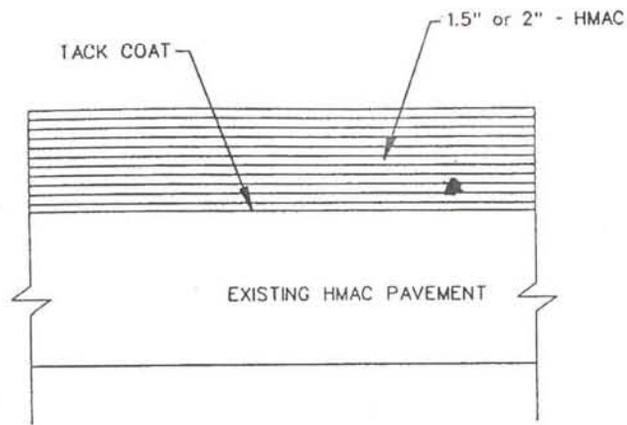


EXTERIOR PATCH DETAIL
N.T.S.

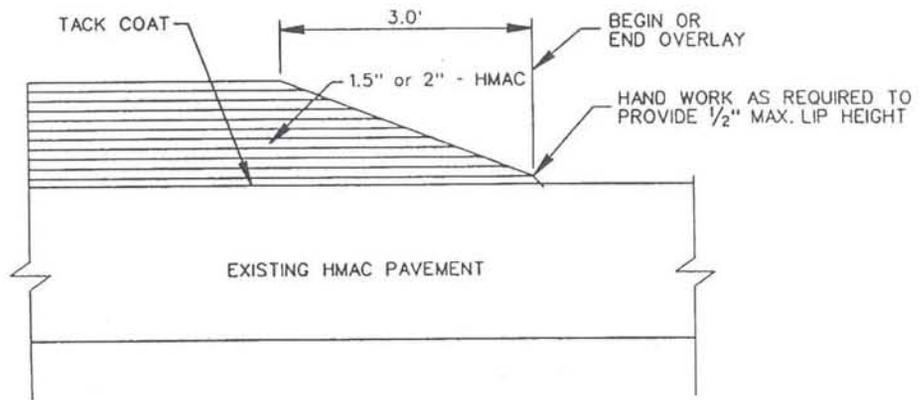
PAVING NOTES:

- ① REMOVE EXISTING HMAC AND BASE COURSE MATERIAL, STOCKPILE FOR REUSE AND PLACE NEW HMAC
- ② PULVERIZED ASPHALT AND BASE COURSE (COMPACTED)
- ③ SUBGRADE COMPACTED TO 85% OF MAX. DENSITY

HMAC - HOT MIX ASPHALTIC CONCRETE



TYPICAL OVERLAY DETAIL
N.T.S.



TYPICAL OVERLAY TRANSITION DETAIL
N.T.S.

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SECTION 02763

PAVEMENT MARKINGS

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- 1.4 DELIVERY AND STORAGE
- 1.5 EQUIPMENT
- 1.6 TRAFFIC CONTROLS
- 1.7 HAND-OPERATED, PUSH-TYPE MACHINES
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- 2.2 RAISED REFLECTIVE MARKERS
- 2.3 REFLECTIVE MEDIA

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- 3.1 SURFACE PREPARATION
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-- End of Section Table of Contents --

SECTION 02763

PAVEMENT MARKINGS

PART 1 GENERAL

1.1 REFERENCES

The publications listed below form a part of this specification to the extent referenced. The publications are referred to in the text by basic designation only.

AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
(AASHTO)

AASHTO M 247 (2002) Glass Beads Used in Traffic Paint

1.2 SUBMITTALS

Government approval is required for all submittals with a "G" designation; submittals not having a "G" designation are for information only. When used, a designation following the "G" designation identifies the office that will review the submittal for the Government. The following shall be submitted in accordance with Section 01330 SUBMITTAL PROCEDURES:

SD-01 Preconstruction Submittals

Equipment; G

Submit lists of proposed equipment used in the performance of construction work, including descriptive data, and notifications of proposed Contractor actions as specified in this section.

SD-03 Product Data

Paint

Submit manufacturer's current printed product description and Material Safety Data Sheets (MSDS) for each type paint/color proposed for use.

Raised Reflective Markers

Submit manufacturer's current printed product description and Material Safety Data Sheets (MSDS) for each type pavement marker proposed for use.

SD-06 Test Reports

Paint; G

Submit copies of the manufacturer's test reports, prior to the use of the materials at the jobsite.

1.3 REGULATORY REQUIREMENTS

The regulatory requirements listed below form a part of this specification to the extent referenced. The regulatory requirements are referred to in the text by basic designation only.

MISSISSIPPI STATE HIGHWAY DEPARTMENT (MS SHD)

MS SHD-01 (1990; Suppl 1991) Standard Specifications
for Road and Bridge Construction

1.4 DELIVERY AND STORAGE

All materials shall be delivered and stored in sealed containers that plainly show the designated name, formula or specification number, batch number, color, date of manufacture, manufacturer's name, and directions, all of which shall be plainly legible at time of use.

1.5 EQUIPMENT

All machines, tools and equipment used in the performance of the work shall conform to the requirements of paragraph REGULATORY REQUIREMENTS, MS HD-01, Section 625, "Painted Traffic Markings", paragraph 625.03.1, "Equipment".

1.6 TRAFFIC CONTROLS

Suitable warning signs shall be placed near the beginning of the worksite and well ahead of the worksite for alerting approaching traffic from both directions. Small markers shall be placed along newly painted lines or freshly placed raised markers to control traffic and prevent damage to newly painted surfaces or displacement of raised pavement markers. Painting equipment shall be marked with large warning signs indicating slow-moving painting equipment in operation.

1.7 HAND-OPERATED, PUSH-TYPE MACHINES

All machines, tools, and equipment used in performance of the work shall be approved and maintained in satisfactory operating condition. Hand-operated push-type machines of a type commonly used for application of paint to pavement surfaces will be acceptable for marking small streets and parking areas. Applicator machine shall be equipped with the necessary paint tanks and spraying nozzles, and shall be capable of applying paint uniformly at coverage specified. Sandblasting equipment shall be provided as required for cleaning surfaces to be painted. Hand-operated spray guns shall be provided for use in areas where push-type machines cannot be used.

1.8 ADDITIONAL PAVEMENT MARKING

Additional pavement marking consisting of handicap parking space symbols, directional arrows, "stop" marking, and typical lettering details are included at the end of this section. Additional pavement marking will be addressed in the individual task orders.

PART 2 PRODUCTS

2.1 PAINT

The paint shall be homogeneous, easily stirred to smooth consistency, and shall show no hard settlement or other objectionable characteristics during a storage period of 6 months. Paints for roads and streets shall conform

to the requirements of paragraph REGULATORY REQUIREMENTS, MS HD-01, Section 710, "Paint", paragraph 710.02.2, "Fast Drying Solvent Based Traffic Paint" or paragraph 710.02.3, "Acrylic Water Based Traffic Paints", color as indicated. Pavement markings paints shall comply with applicable state and local laws enacted to ensure compliance with Federal Clean Air Standards. Paint materials shall conform to the restrictions of local Air Pollution Districts.

2.2 RAISED REFLECTIVE MARKERS

Raised reflective markers shall meet the requirements of paragraph REGULATORY REQUIREMENTS, MS SHD-01, Section 720, "Pavement Marking Materials", paragraph 720.03, "Raised Pavement Markers". Adhesive for raised reflective markers shall meet the requirements of paragraph REGULATORY REQUIREMENTS, MS SHD-01, Section 720, "Pavement Marking Materials", paragraph 720.03.7, "Adhesive for Pavement Markers".

2.3 REFLECTIVE MEDIA

Reflective media shall conform to AASHTO M 247, Type I.

PART 3 EXECUTION

3.1 SURFACE PREPARATION

Surfaces to be marked shall be prepared in accordance with MS SHD-01, Section 625, "Painted Traffic Markings", paragraph 625.03.2, "Preparation of Surface".

3.2 APPLICATION

3.2.1 Paint

Paint shall be applied to clean, dry surfaces, and only when air and pavement temperatures are above 40 degrees F and less than 95 degrees F. Paint temperature shall be maintained within these same limits. New bituminous pavement surfaces shall be allowed to cure for a period of not less than 30 days before applications of paint. Paint shall be applied pneumatically with approved equipment at rate of coverage specified. The Contractor shall provide guide lines and templates as necessary to control paint application. Special precautions shall be taken in marking numbers, letters, and symbols. Edges of markings shall be sharply outlined.

3.2.1.1 Rate of Application

Paint and reflective beads shall be uniformly applied as required by MS HD-01, Section 625, "Painted Traffic Markings", paragraph 625.03.3, "Application".

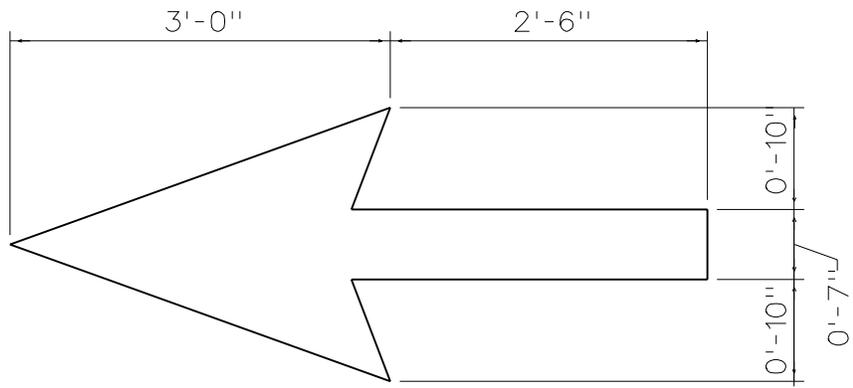
3.2.1.2 Drying

The maximum drying time requirements of the paint specifications will be strictly enforced to prevent undue softening of bitumen, and pickup, displacement, or discoloration by tires of traffic. If there is a delay in drying of the markings, painting operations shall be discontinued until cause of the slow drying is determined and corrected.

3.2.2 Raised Reflective Markers

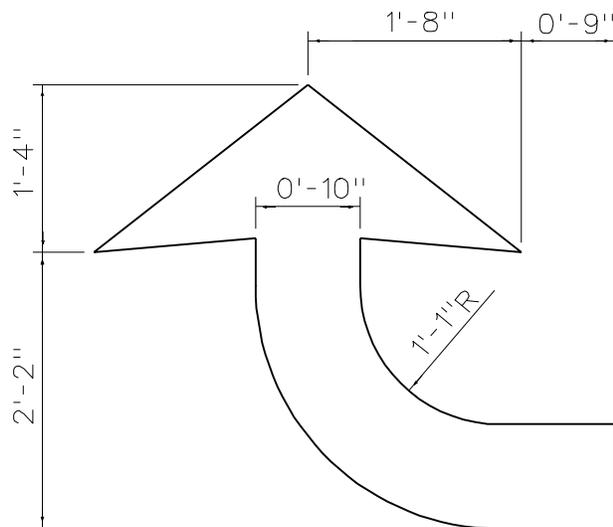
Prefabricated markers shall be aligned carefully at the required spacing and permanently fixed in place by means of epoxy resin adhesives. Markers shall be installed in accordance with the requirements of MS HD-01, Section 627, "Raised Pavement Markers".

-- End of Section --



PAVEMENT PAINTED
DIRECTIONAL ARROW

SCALE: NONE

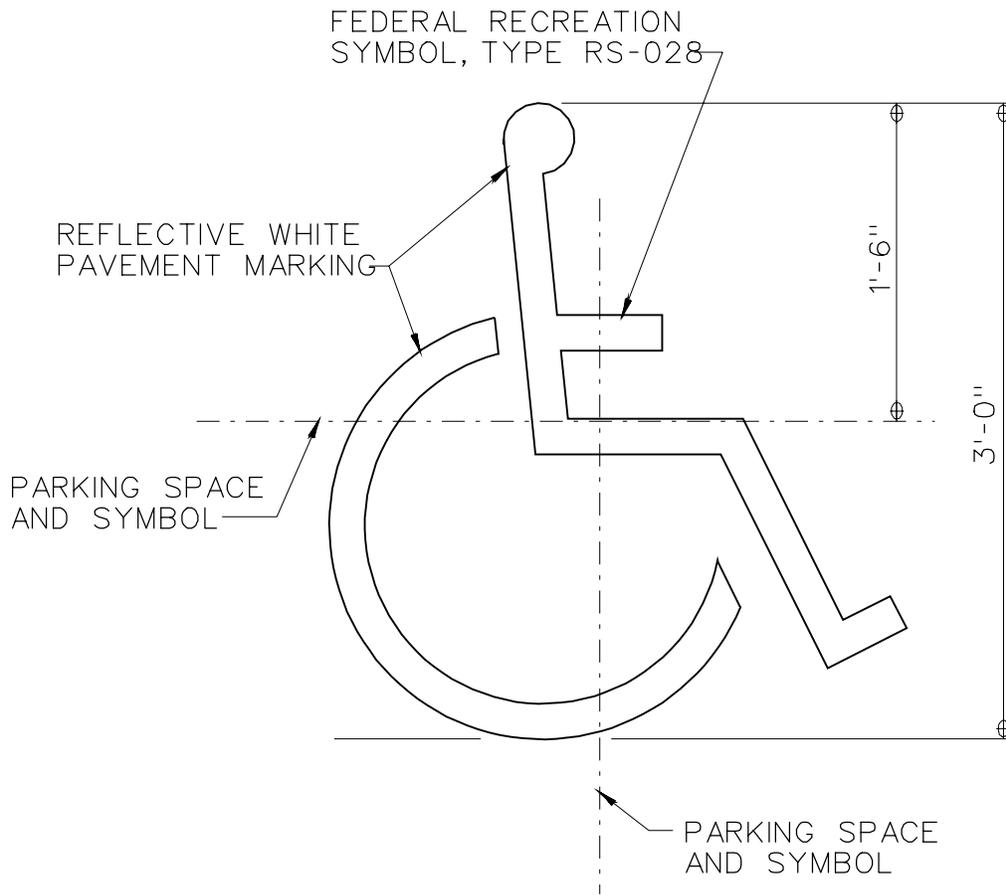


RIGHT TURN
PAVEMENT PAINTED
DIRECTIONAL ARROW

SCALE: NONE

NOTE:

LEFT TURN SIMILAR,
EXCEPT OPPOSITE

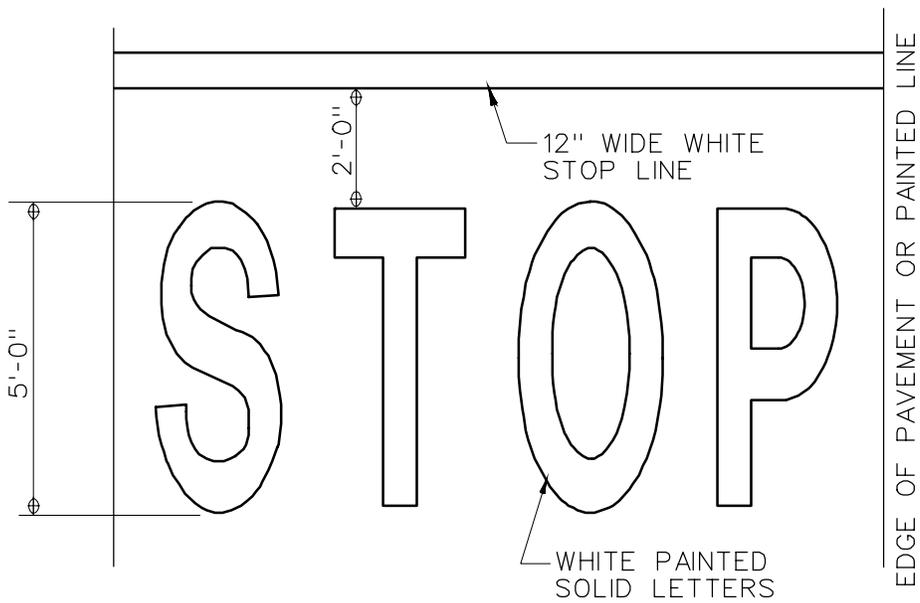


PAINTED HANDICAPPED
PARKING SPACE SYMBOL

SCALE: NONE

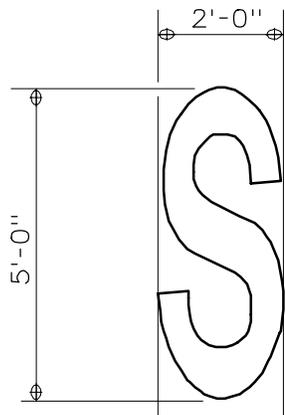
NOTES:

1. HANDICAPPED SYMBOL SHALL HAVE A WIDTH-TO-HEIGHT RATIO BETWEEN 3:5 AND 1:1 AND A STROKE WIDTH-TO-HEIGHT RATIO BETWEEN 1:5 AND 1:10.



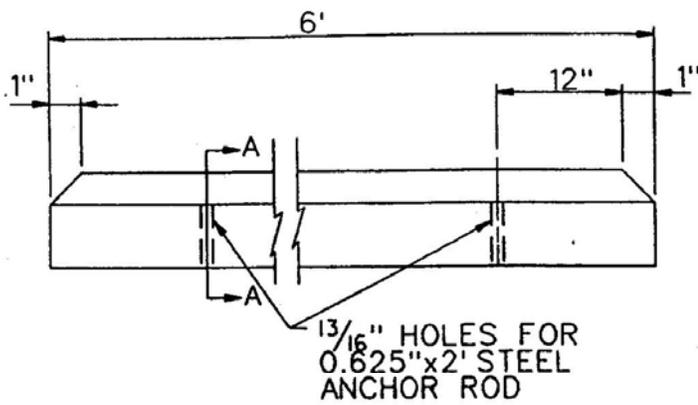
"STOP" PAVEMENT MARKING

SCALE: NONE

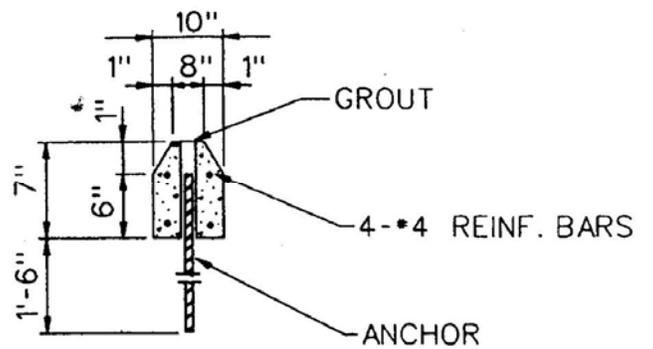


TYPICAL LETTER PAVEMENT MARKING

SCALE: NONE



ELEVATION



SECTION A-A

AN EQUAL, STANDARD MANUFACTURED WHEEL STOP
MAY BE USED WITH CONTRACTING OFFICER APPROVAL.

WHEEL STOP DETAILS
N.T.S.