

**Request for Sealed Bid No. 15-008  
PEACH COUNTY  
GEORGIA**

**Bituminous Surface Treatment and Sand Seal Resurface for Vinson Road  
LMIG 14**

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**PURPOSE:**

The PEACH COUNTY BOARD OF COMMISSIONERS is soliciting sealed written bids from qualified companies to resurface 3.36 miles of Vinson Road with a double Bituminous Surface Treatment and a Sand Seal in accordance with GDOT specifications. Sealed bids will be received in the Peach County Board of Commissioners' Office, 213 Persons Street, Fort Valley, Georgia 31030, until August 13, 2015, 2:30 p.m. local time. Bids shall be opened in public without discussion at the Board of Commissioners' meeting room, 213 Persons Street, Fort Valley, GA at 2:45 p.m., August 13, 2015, to verify completeness. Bid price amounts will not be discussed or made public until Board of Commissioners has awarded the contract to the successful bidder.

**INTENT:**

The Peach County Board of Commissioners intends to award a contract to one who has extensive experience in this field. Peach County strongly encourages creative approaches. The Bids will be evaluated on:

- Unit Costs
- Construction Schedule
- Similar Work
- Past work history with Peach County
- References
- Peach County Business Location

**ADDITIONAL INFORMATION / ADDENDA**

The County reserves the right to amend this Request for Bid (RFB). Any changes to the RFB will be communicated via Peach County web site. It is the contractor's responsibility to check for any addendum issued for this RFB prior to submitting the bid.

In the event additional information is required, all inquiries must be submitted in writing to Clarice Davis, 213 Persons Street, Fort Valley, GA 31030, by fax at (478) 825-2678, or via email at Clarice-davis@peachcounty.net.

All questions must be received three (3) days prior to the RFB closing to allow ample time to post any addendum or changes if necessary.

The County will recognize only communications which are in writing. The County shall not be responsible for oral interpretations given by any County employee, representative, or others. The issuance of an addendum is the only official method whereby interpretation, clarification, or additional information can be given.

Pre-Bid Meeting: A pre-bid meeting will be conducted August 6,, 2015 at 9:30 AM at the Peach County Commissioners meeting room, 213 Persons Street, Fort Valley. **Attendance at the pre-bid meeting is not required to submit a bid, but is recommended.**

## **BID SUBMITTAL**

Bids shall clearly indicate the legal name, address, e-mail address, and business telephone number of the Contractor (company, firm, partnership, or individual). All expenses for making this bid to Peach County are to be borne by the Contractor. Peach County reserves the right to retain all bids submitted and to use any ideas in a Bid, regardless of whether that bid is selected.

**One (1) original bid and Three (3) copies of your bid shall be submitted in one sealed package**, clearly marked on the outside "RFB 15-008, Vinson Road Bituminous Surface Treatment" and addressed to:

Peach County Board of Commissioners  
Attn: Clarice Davis  
213 Persons Street  
Fort Valley, Georgia 31030

All terms submitted in this Bid shall remain valid for a period of not less than Sixty (60) days from the date of the RFB opening.

Failure to submit any required data item or inaccurate responses may be cause for rejection.

**ORGANIZATION AND HISTORY: Failure to include any information may be ample cause for rejection of the bid as non-responsive.**

1. Please provide the name, title, address, telephone number, e-mail address, and fax number of the individual(s) responsible for responding to this bid.
2. Summarize or outline any work performed for Peach County and throughout Middle Georgia.
3. Provide a schedule outlining the length of time to completely install the materials and complete construction.
4. Provide a list of at least three (3) current references for which comparable work has been performed. This list shall include company name, person to contact, address, and telephone number

## **SCOPE OF SERVICES**

The bid shall meet all requirements set forth in the specifications section of this RFB to apply a double layer of bituminous surface treatment followed by a sand seal to approximately 3.36 miles of Vinson Road in accordance with GDOT specifications.

## **INSURANCE REQUIREMENTS**

The Contractor shall be responsible for their work and every part thereof, and for all materials, tools, equipment, appliances, and properties of any and all description used in connection therewith. The Contractor assumes all risks of direct and indirect damage or injury to the property of persons used or employed on or in connection with the work contracted for, and of all damage or injury to any person or property wherever located, resulting from any action, omission, commission or operation under the Contract, or in connection in any way whatsoever with the contracted work. The Contractor shall, during the continuance of all work under the Contract, provide the following:

- A. Maintain statutory Worker's Compensation and Employer's Liability insurance in an amount of not less than \$500,000 each accident, each disease, to protect the Contractor from any liability or damages for any injuries (including death and disability) to any of its

employees, volunteers, or subcontractor, including any and all liability or damage which may arise by virtue of any statute or law in force within the State of Georgia, or which may be herein after enacted.

B. The Contractor agrees to maintain Comprehensive General Liability insurance in an amount of not less than \$1,000,000 per occurrence, \$2,000,000 Policy Limit to protect the Contractor, its subcontractors, and the interest of the County, against any and all injuries to third parties, including bodily injury and personal injury, wherever located, resulting from any action or operation under the Contract or in connection with the contracted work. The General Liability insurance shall also include the Broad Form Property Damage Liability endorsement, in addition to coverage for explosion, collapse, and underground hazards, where required.

C. The Contractor agrees to maintain Business Auto Liability insurance in an amount of not less than \$1,000,000 per occurrence, \$2,000,000 Policy Limit to protect the Contractor, its subcontractors, and the interest of the County, against any and all injuries to third parties, including bodily injury and personal injury, wherever located, resulting from any action or operation of automobiles or vehicles.

Contractor shall notify the Owner, in writing, thirty (30) days prior to any change in insurance coverage, including cancellation, non-renewal, etc. The Contractor shall furnish a new certificate prior to any change or cancellation date. The failure of the Contractor to deliver a new and valid certificate shall result in suspension of all payments until the new certificate is furnished. Additionally, contract work may be suspended until the new certificate is furnished to the Owner.

Insurance coverage required in these specifications shall be in force throughout the Contract term. Should the Contractor fail to provide acceptable evidence of current insurance within five (5) days of written notice at any time during the Contract term, the Owner shall have the absolute right to terminate the Contract without any further obligation to the Contractor. Further, the Contractor shall be responsible for the cost of procuring the uncompleted portion of the Contract at the time of termination. Contractual and other Liability insurance provided under this Contract shall not contain a supervision, inspection, or engineering services exclusion that would preclude the Owner from supervising and/or inspecting the project as to the end result. The Contractor shall assume all on the job responsibilities as to the control of persons directly employed by it and of the subcontractor and any persons employed by the subcontractor.

The Contractor and all subcontractors shall comply with the Occupational Safety and Health Act of 1970, and amendments, as it may apply to this Contract.

## **SPECIFICATIONS:**

### **1.0 GENERAL:**

All bids must make provision to meet or exceed the requirements contained herein for:

- Application of a double bituminous surface treatment followed by a final sand seal for Vinson Road from S.R. 49 to the Crawford County boundary (approximately 48,800 s.y.) in accordance with the most recent version of GDOT specification Section 424 – Bituminous Surface Treatment, and all referenced GDOT specifications in Section 424.
- All required road surface preparation.
- Traffic control at all times during active construction and required curing period in accordance the Manual on Uniform Traffic Control Devices (MUTCD) most recent edition

### **2.0 SCOPE OF WORK:**

2.1 The Scope of Work will include, but not be limited to, all field layouts, furnishing all equipment, labor, and materials to apply a double layer of bituminous surface treatment followed by a sand seal to approximately 48,800 s.y. of Vinson Road in accordance with GDOT specifications.

2.2 All work, methods, equipment, materials, submittals and testing will conform to the requirements of Georgia Department of Transportation Specifications:

- Section 107-Legal Regulations and Responsibility to the Public, Special Provision Dated May 21, 2010
- Section 108-Prosecution and Progress, Special Provision, Dated May 29, 2001
- Section 109-Measurement and Payment, Special Provision, Dated July 3, 2001
- Section 152-Field Laboratory Building, Special Provision, Dated August 8, 2002
- Section 424-Bituminous Surface Treatment, (Exhibit 2)
- All referenced GDOT specifications not listed, most recent version

with the following exceptions and/or additions.

Exceptions:

1. All submittals required to be made to the “engineer” shall be made to the Peach County Public Works Director.

2. Contractor shall approve:

- The maximum area to which bituminous material may be applied at one time
- When traffic will be permitted back on course
- Traffic speeds
- When the road will be opened to the public

in order to meet or exceed the performance requirements stated in the specifications and ensure a quality final product.

3. The Peach County Public Works Director must authorize any and all exceptions to Section 424.3.05, A “Observing Seasonal and Weather Limitations.”

4. The Peach County Public Works Director may change minimum or maximum application rate and course during construction if the total quantities are within the amounts shown in Table – 1.

5. On the fifth day of each calendar month, the total value of items complete in-place will be estimated by the Contractor and submitted to the Public Works Director in addition to the requirements of Section 109.

6. Contractor may substitute #7 and #89 washed aggregate for #6 and #7 aggregate specified in Section 424-Bituminous Surface Treatment, Table 424.5 with the approval of the Public Works Director.

### 3.0 QUALITY ASSURANCE:

3.1 Contractor's Qualifications: Contractor is experienced, as determined by Peach County, as one who specializes in the installation of work similar to that required for this project within Middle Georgia region and who is a Georgia Department of Transportation certified contractor for this type of work.

3.2 Pre-Construction Meeting: Contractor shall conduct a pre-construction meeting with the Peach County Public Works Director prior to being issued a Notice-to-Proceed (NTP) to verify project requirements, permits, approved drawings, schedule, and other project requirements.

3.3 Optional Pre-Bid Meeting: Attendance is recommended at a Pre-Bid meeting that will be conducted at the Board of Commissioners meeting room 213 Persons Street Fort Valley, GA 31030 at 9:30 AM on August 6, 2015 to discuss the project specifications. **Attendance is not required to submit a bid, but is recommended.**

3.4 Testing: The Contractor shall conduct adequate materials testing to ensure that specified results are achieved. Results of tests shall be provided to the Peach County Public Works Director. Peach County will contract with a consultant to ensure all materials and construction is performed in accordance with the engineered drawings and specifications prior to acceptance and final payment.

### 4.0 SPECIAL PROVISIONS:

4.1 The bid price shall include all equipment, labor, materials, permit(s), freight, taxes, required insurance, Public Liability, Property Damage and Workers' Compensation, etc., to cover the finished work.

4.2 Contractors must comply with Title VI of the Civil Rights Act of 1964, the Anti-Kickback Act, the Contract Work Hour Standard Act, and the National Occupational Safety and Health Act of 1970.

4.3 Contractors must certify that they do not and will not maintain or provide for their employees any facilities that are segregated on a basis of race, color, creed, or national origin.

4.4 The contractor's attention is directed to the fact that all applicable state laws, county municipal ordinances, orders, rules and regulations of all authorities having jurisdiction over project shall apply to the bid throughout, and they will be deemed to be included in the contract the same as though they are written out in full herein.

4.5 The successful contractor shall protect all work areas necessary to prevent accidents and insure safe working conditions for employees, work related personnel, and the general public.

4.6 The contractor shall be responsible for any damages to existing utilities, concrete, asphalt, buildings, or grounds, etc., and shall repair or replace any damage at his own expense.

4.7 Right to Waive and Reject

A. The Board of Commissioners (Board), in its absolute discretion, may reject any bid of a contractor that has failed, in the opinion of the Board, to complete or perform a Peach County contracted project in a timely fashion or has failed in any other way, in the opinion of the Board, to perform a prior contract in a satisfactory manner, and has directed the Peach County Purchasing Manager to emphasize this condition to potential contractors.

B. There is no obligation on the part of the County to award the project to the lowest bid price, and the County reserves the right to award the project to a contractor submitting a bid response with a resulting negotiated agreement which is most advantageous and in the best interest of Peach County, and to reject any and all bids or to waive any irregularity or technicality in bids received. Peach County shall be the sole judge of the bid and the resulting negotiated agreement that is in its best interest and its decision shall be final.

C. The Board reserves the right to waive any informalities or reject any and all bids, in whole or part, to utilize any applicable state contracts in lieu of or in addition to this bid and to accept the bid that in its judgment will best serve the interest of the County.

D. The Board specifically reserves the right to reject any conditional bid and will normally reject those that made it impossible to determine the true cost of the bid.

4.8 Peach County may make such investigations deemed necessary to determine the ability of the contractor to perform the work and ensure there is no conflict of interest as it relates to the project. The contractor shall furnish to the County any additional information and financial data for the purpose as the County may request. The data may include a detailed and up-to-date list of plant equipment and materials which contractor proposes to use, indicating which portions he already possesses and a detailed description of the method and program of work to be done.

4.9 To the fullest extent permitted by law, Contractor shall indemnify and hold harmless the COUNTY, its officers and employees from liabilities, damages, losses, and costs including but not limited to reasonable attorney fees, to the extent caused by the negligence, recklessness, or intentional wrongful conduct of the Contractor and other persons employed or utilized by the Contractor in the performance of this contract

**AGREEMENT:**

Upon acceptance of the winning Bid by the Peach County Board of Commissioners, a contract will prepared and executed. Upon execution of the contract agreement, a purchase order will be issued with the Notice To Proceed (NTP). The contractor shall be paid upon submission of invoices. The invoices must conform to the prices stipulated herein for articles delivered and accepted. Invoices must show Purchase Order number. Invoices shall be submitted to:

Peach County Public Works Department  
Attention: Paul Schwindler, P.E.  
Public Works Director/County Engineer  
410 Old Macon Road  
Fort Valley, Georgia 31030

**No delivery of products or services shall become due or be accepted until a purchase order has been issued by Peach County.**

## **INSTRUCTIONS FOR SUBMITTING BIDS**

All bidders responding to this RFB must submit a completed detailed bid.

Submission of Bids – Sealed bids must be received by the Board of Commissioners Office **BEFORE** 2:30 p.m. August 13, 2015. Bids may be mailed or hand delivered to Peach County Board of Commissioners Office, Attn. Clarice Davis, 213 Persons Street, Fort Valley, Georgia 31030.

Questions and Inquiries – Written questions and inquiries will be accepted from any and all contractors or firms planning on submitting a bid. Inquires pertaining to the RFB must give firm or contractor name, RFB number, title, and acceptance date. Material questions will be answered in writing and communicated in an addendum, provided that all questions are received at least three (3) days in advance of the Bid acceptance date.

Addendum and Supplement to Request - If it becomes necessary to revise any part of this RFB, or if additional data are necessary to enable an exact interpretation of provisions of this RFB, an addendum will be issued. It is the responsibility of the party submitting the Bid to ensure that they have received all addendums prior to submitting a bid. **All addendums must be initialed and attached to the bid.** Failure to include addendums may be ample cause for rejection of the bid as non-responsive. Addendum will be published on the Peach County web site [www.peachcounty.net](http://www.peachcounty.net).

Required Copies - Each firm shall submit **one (1) original and three (3) copies** of their bid to the County's Purchasing Department as indicated in this RFB. The original bid shall be clearly marked "**ORIGINAL**", **in blue ink** and shall contain all original signatures in **blue ink**. Copies of the original proposal shall be clearly marked "**COPY**", **in red ink**.

Late Bids - Late bids will be returned to party submitting the bid unopened if the RFB number, acceptance date, and Contractor's return address is shown on the container.

Rights of County - The County reserves the right to accept or reject all or any part of any bid.

Miscellaneous Requirements - The County will not be responsible for any expenses incurred by the Contractor in preparing and submitting a bid. All bids shall provide a straightforward, concise delineation of the Contractor's capabilities to satisfy the requirements of this RFB. Emphasis should be on completeness and clarity of content.



**BID SELECTION PROCESS**

**All bids will be evaluated according to the following factors:**

- Unit Costs
- Construction Schedule
- Similar Work
- Past work history with Peach County
- References
- Peach County Business Location

<u>Factor</u>	<u>Evaluation Weight</u>
Unit Costs	60%
Construction Schedule	15%
Similar Work	7%
Past work history with Peach County	7%
References	8%
Peach County Business Location	3%

The Proposal form contains a list of the work upon which the County is accepting proposals. Please provide pricing on the items as listed on the schedule of unit prices form, in the unit of measure as noted. The quantities listed on the form are estimates. Future quantities purchased may vary.

Submit the following completed documents with the Bid packages. **Bids not containing the following completed documents will be considered “non-responsive” and may be rejected for consideration:**

- Bid Form (completed and signed)
- Certification by Contractor, Non-Segregated Facilities (Signed and Dated)
- Certification by Contractor, Drug-Free Workplace Act (Signed and Dated)
- Non-Collusion Affidavit or Prime Contractor (Signed, notarized, and dated)
- Conflict of Interest Certification (Signed and Dated)
- Vendor Information Sheet (Completed, Signed and Dated)
- Form W9 (Taxpayer Identification Number)
- SAVE Affidavit (all contractors, or vendors) (Signed, notarized, and dated)
- Sub-Contractor E-Verify Affidavit (all contractors, subcontractors or vendors that are not sole proprietors with zero employees) (Signed, notarized, and dated)
- Insurance Certificate(s) verifying required insurance:
  - Certificate of Liability Insurance
  - Certificate of Workers Compensation Insurance
  - Certificate of Automobile Liability Insurance
- Sole Proprietor Contractor Affidavit (only contractors or vendors with no employees) (Signed, notarized, and dated)
- Photo Identification (only if vendor or contractor is a Sole Proprietor)(see attached list of acceptable documents)
- Organization and History – Provide those items required in the Organization and History section of this RFB package
- Addendum initialed by Contractor if applicable

**Bid Form Page 1 of 2**

Bid of \_\_\_\_\_ (hereinafter called "**Contractor**"), a company organized and existing under the laws of the State of Georgia, \*an individual, a corporation, a partnership doing business as: \_\_\_\_\_

Contractor or Firm Name

TO: Peach County (Hereinafter called "**County**")

Gentlemen:

The **Contractor**, in compliance with your Notice to Contractors and all Bid Documents, elects to submit a Bid on the entirety of the following **Work**:

Replace two Air Conditioner Condensers at Thomas Public Library 309 Martin King Jr. Drive Fort Valley, Georgia In accordance with all specifications, diagrams as detailed in the RFB package and all addendum published prior to the bid closing.

Having examined the site of the proposed **Work**, and being familiar with the conditions surrounding the construction of the proposed project, including the availability of materials and supplies to construct the project in accordance with the RFB, within the time set forth herein, and at the prices stated below, proposes to enter into a Contract with Peach County to provide the necessary machinery, tools, apparatus, all labor, and other means of construction necessary to complete the **Work**, the undersigned **Contractor** proposes to furnish and construct the items listed in the attached Schedule of Items for the unit prices stated.

**Contractor** further proposes and agrees hereby to promptly commence the **Work** with adequate force and equipment within fourteen (14) calendar days from receipt of Notice to Proceed, or as may be specified by Special Provision, and to complete the entirety of the **Work** as expeditiously as possible. All work must be completed no later than forty five (30) calendar days from receipt of Notice to Proceed (NTP), or as may be specified by Special Provisions.

(\*Note: Bidder may choose to complete Schedule of Unit Item Prices Option A or B, or both Option A and B.)

**Schedule of Unit Item Prices  
OPTION A:**

Line No	Item	Quantity	Unit	Unit Price	Extended Price (Quantity x Unit Price)
1	DOUBLE SURFACE TRTMT, STN SIZE #6 AND #7, GP 1 OR 2	48,800	SY		
2	SAND SEAL	48,800	SY		
<b>Bid Total</b>					

**Proposal Form Page 2 of 2**

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**Contractor (Print)**

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(Signature)

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Name of Signer (Print)

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Title of Signer (Print)

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Date

**CERTIFICATION BY CONTRACTOR**

**Regarding: NON-SEGREGATED FACILITIES**

The **Contractor** certifies that he does not, and will not, provide and maintain segregated facilities for his employees at his establishments and, further that he does not, and will not, permit his employees to perform their services at those locations, under his control, where segregated facilities are provided and maintained. Segregated facilities include, but are not necessarily limited to, drinking fountains, transportation, parking, entertainment, recreation, and housing facilities; waiting, rest, wash, dressing, and locker rooms, and time clock, **Work**, storage, restaurant, and other eating areas which are set apart in fact, or by explicit directive, habit, local custom, or otherwise, on the basis of color, creed, national origin, and race. The **Contractor** agrees that, except where he has obtained identical certifications from proposed subcontractor for specific time periods, he will obtain identical certifications from proposed subcontractor prior to the award of subcontracts exceeding \$10,000.00 which are not exempt from the provisions of the Equal Opportunity clause, and that he will retain such certifications in his files.

The **Contractor** agrees that a breach of this certification is a violation of the Equal Opportunity clause in this Contract. The penalty for making false statements is prescribed in 18 U.S.C. 1001.

\_\_\_\_\_  
**Contractor (Print)**

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
Name of Signer (Print)

\_\_\_\_\_  
Title of Signer

\_\_\_\_\_  
Date

**CERTIFICATION BY CONTRACTOR**

**Regarding: Drug-Free Workplace Act**

The Contractor certifies that provisions of Sections 50-24-1 through 50-24-6 of the Official Code of Georgia annotated, relating to the “Drug-Free Workplace Act” have been, and will be, complied with in full. Including compliance by sub-contractors performing work under this agreement.

\_\_\_\_\_  
Contractor (Print)

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
Name of Signer (Print)

\_\_\_\_\_  
Title of Signer

\_\_\_\_\_  
Date

**NON-COLLUSION AFFIDAVIT OF PRIME CONTRACTOR**

State of \_\_\_\_\_ ), County of \_\_\_\_\_ )

\_\_\_\_\_, being first duly sworn,  
deposes and says that:

1. He/She is \_\_\_\_\_ (Owner, Partner, Officer, Representative, or Agent) of the **Contractor** that has submitted the attached **Bid**;
2. He/She is fully informed respecting the preparation and contents of the attached **Bid** and of all pertinent circumstances respecting such **bid**;
3. Such **Bid** is genuine and is not a collusive or sham **Bid**;
4. Neither the said **Contractor** nor any of its officers, partners, owners, agents, representatives, employees, or parties in interest, including this affiant, has in any way colluded, conspired, connived, or agreed, directly or indirectly, with any other **Contractor**, firm or person to submit a collusive or sham **Bid** in connection with the Contract for which the attached **Bid** has been submitted to or refrain from Proposing in connection with such Contract, or has in any collusion or communication or conference with any other **Contractor**, firm or person to fix the price or prices in the attached **Bid** or of any other **Contractor**, or to fix any overhead, profit or cost element of the **Bid** price or the **Bid** price of any other **Contractor**, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against Peach County or any person interested in the proposed Contract; and,
5. The price or prices bid in the attached **Bid** are fair and proper and are not tainted by any collusion, conspiracy, connivance, or unlawful agreement on the part of the **Contractor** or any of its agents, representatives, owners, employees, or parties in interest, including this affiant.

(Signed) \_\_\_\_\_

Name \_\_\_\_\_ (Print)

Title \_\_\_\_\_ (Print)

Subscribed and sworn to before me

This \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_

\_\_\_\_\_  
(SEAL)

\_\_\_\_\_  
Title

**CONFLICT OF INTEREST CERTIFICATION**

By signing and submitting this Bid I hereby certify that employees of this company or employees of any company supplying material or subcontracting to do **Work** on this Contract will not engage in business ventures with employees of Peach County or Peach County Consultants nor shall they provide gifts, gratuities, favors, entertainment, loans, or other items of value to employees of Peach County.

Also, by signing and submitting this Contract, I hereby certify that I will notify Peach County through its Director of Public Works of any business ventures entered into between employees of this company or employees of any company supplying material or subcontracting to do **Work** on this Contract with a family member of Peach County employees.

\_\_\_\_\_  
**Contractor**

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
Name of Signer

\_\_\_\_\_  
Title of Signer

\_\_\_\_\_  
Date

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## VENDOR INFORMATION

COMPANY NAME: \_\_\_\_\_

CONTACT PERSON: \_\_\_\_\_ TITLE: \_\_\_\_\_

BUSINESS ADDRESS: \_\_\_\_\_  
\_\_\_\_\_

PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_

EMAIL: \_\_\_\_\_

TYPE OF BUSINESS: (CIRCLE ONE) CORPORATION PARTNERSHIP SOLE PROPRIETOR

Have you done business with Peach County in the past? (circle one) YES NO

Do you participate in the E-Verify Program? (circle one) YES NO

Do you have a Federal Tax ID number? (circle one) YES NO

*The information contained in this document is true to the best of my knowledge and I understand that giving false, misleading or deceptive information is considered unlawful and may be punishable by penalties of prosecution based on Georgia law.*

\_\_\_\_\_

Signature

\_\_\_\_\_

Date

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Revised August 2014



Form <b>W-9</b> (Rev. August 2013) Department of the Treasury Internal Revenue Service	<b>Request for Taxpayer                  Identification Number and Certification</b>	Give Form to the requester. Do not send to the IRS.
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Print or type See Specific Instructions on page 2.	Name (as shown on your income tax return)	
	Business name/disregarded entity name, if different from above	
	Check appropriate box for federal tax classification: <input type="checkbox"/> Individual/sole proprietor <input type="checkbox"/> C Corporation <input type="checkbox"/> S Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Trust/estate  <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=partnership) ▶ _____  <input type="checkbox"/> Other (see instructions) ▶ _____	Exemptions (see instructions):  Exempt payee code (if any) _____ Exemption from FATCA reporting code (if any) _____
	Address (number, street, and apt. or suite no.)	Requester's name and address (optional)
	City, state, and ZIP code	
List account number(s) here (optional)		

<b>Part I Taxpayer Identification Number (TIN)</b>													
Enter your TIN in the appropriate box. The TIN provided must match the name given on the "Name" line to avoid backup withholding. For individuals, this is your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the Part I instructions on page 3. For other entities, it is your employer identification number (EIN). If you do not have a number, see <i>How to get a TIN</i> on page 3.	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center; font-size: 8px;">Social security number</td> </tr> <tr> <td style="width:20px; height: 20px;"></td> <td style="width:20px; height: 20px;"></td> </tr> <tr> <td style="width:20px; height: 20px;"></td> <td style="width:20px; height: 20px;"></td> </tr> <tr> <td style="width:20px; height: 20px;"></td> <td style="width:20px; height: 20px;"></td> </tr> <tr> <td style="width:20px; height: 20px;"></td> <td style="width:20px; height: 20px;"></td> </tr> <tr> <td style="width:20px; height: 20px;"></td> <td style="width:20px; height: 20px;"></td> </tr> </table>	Social security number											
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Note. If the account is in more than one name, see the chart on page 4 for guidelines on whose number to enter.	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center; font-size: 8px;">Employer identification number</td> </tr> <tr> <td style="width:20px; height: 20px;"></td> <td style="width:20px; height: 20px;"></td> </tr> <tr> <td style="width:20px; height: 20px;"></td> <td style="width:20px; height: 20px;"></td> </tr> <tr> <td style="width:20px; height: 20px;"></td> <td style="width:20px; height: 20px;"></td> </tr> <tr> <td style="width:20px; height: 20px;"></td> <td style="width:20px; height: 20px;"></td> </tr> <tr> <td style="width:20px; height: 20px;"></td> <td style="width:20px; height: 20px;"></td> </tr> </table>	Employer identification number											
Employer identification number													

<b>Part II Certification</b>	
Under penalties of perjury, I certify that:	
1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me), and 2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding, and 3. I am a U.S. citizen or other U.S. person (defined below), and 4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.	
<b>Certification instructions.</b> You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions on page 3.	
<b>Sign Here</b>	Signature of U.S. person ▶ _____  Date ▶ _____

**General Instructions**

Section references are to the Internal Revenue Code unless otherwise noted.

**Future developments.** The IRS has created a page on [IRS.gov](http://IRS.gov) for information about Form W-9, at [www.irs.gov/w9](http://www.irs.gov/w9). Information about any future developments affecting Form W-9 (such as legislation enacted after we release it) will be posted on that page.

**Purpose of Form**

A person who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) to report, for example, income paid to you, payments made to you in settlement of payment card and third party network transactions, real estate transactions, mortgage interest you paid, acquisition or abandonment of secured property, cancellation of debt, or contributions you made to an IRA.

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN to the person requesting it (the requester) and, when applicable, to:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
4. Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct.

**Note.** If you are a U.S. person and a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

**Definition of a U.S. person.** For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien,
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States,
- An estate (other than a foreign estate), or
- A domestic trust (as defined in Regulations section 301.7701-7).

**Special rules for partnerships.** Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax under section 1446 on any foreign partners' share of effectively connected taxable income from such business. Further, in certain cases where a Form W-9 has not been received, the rules under section 1446 require a partnership to presume that a partner is a foreign person, and pay the section 1446 withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid section 1446 withholding on your share of partnership income.

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GEORGIA SECURITY AND IMMIGRATION COMPLIANCE ACT (OCGA 13-10-91)

CONTRACTOR E-VERIFY AFFIDAVIT

By executing this affidavit, the undersigned contractor verifies its compliance with O.C.G.A § 13-10-91, stating affirmatively that the individual, firm or corporation which is engaged in the physical performance of services on behalf of PEACH COUNTY BOARD OF COMMISSIONERS has registered with, is authorized to use and uses the federal work authorization program commonly known as E-Verify, or any subsequent replacement program, in accordance with the applicable provisions and deadlines established in OCGA § 13-10-91. Furthermore, the undersigned contractor will continue to use E-Verify throughout the contract period and the undersigned contractor will contract for the physical performance of services in satisfaction of such contract only with subcontractors who present an affidavit to the contractor with the information required by OCGA § 13-10-91(b). Contractor hereby attests that its federal work authorization user identification number and date of authorization are as follows:

\_\_\_\_\_  
Federal Work Authorization User Identification Number  
(4-6 digit number can be found on MOU)

\_\_\_\_\_  
Date of Authorization

\_\_\_\_\_  
Name of Contractor

\_\_\_\_\_  
Name of Project

I hereby declare under penalty of perjury that the foregoing is true and correct.

Executed on \_\_\_\_\_, \_\_\_\_\_, 201\_\_ in \_\_\_\_\_ (city), \_\_\_\_\_ (state).

\_\_\_\_\_  
Signature of Authorized Officer or Agent

\_\_\_\_\_  
Printed Name and Title of Authorized Officer or Agent

SUBSCRIBED AND SWORN BEFORE ME  
ON THIS THE \_\_\_\_ DAY OF \_\_\_\_\_, 201\_\_.

\_\_\_\_\_  
NOTARY PUBLIC  
My Commission Expires:  
\_\_\_\_\_

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Revised August 2014

GEORGIA SECURITY AND IMMIGRATION COMPLIANCE ACT (OCGA 13-10-91)

SUBCONTRACTOR E-VERIFY AFFIDAVIT

SUBCONTRACTOR'S NAME: \_\_\_\_\_

CONTRACTOR'S NAME: \_\_\_\_\_

By executing this affidavit, the undersigned Subcontractor verifies its compliance with OCGA § 13-10-91, stating affirmatively that the Subcontractor which is engaged in the physical performance of services under a contract with the Contractor identified above on behalf of PEACH COUNTY BOARD OF COMMISSIONERS has registered with and is participating in the E-Verify program in accordance with the applicability provisions and deadlines established in OCGA 13-10-91.

\_\_\_\_\_  
Federal Work Authorization User Identification Number  
(4 6 digit number can be found on MOU)

\_\_\_\_\_  
Date of Authorization

\_\_\_\_\_  
Name of Project

I hereby declare under penalty of perjury that the foregoing is true and correct.

Executed on \_\_\_\_\_, \_\_\_\_\_, 201\_\_ in \_\_\_\_\_ (city), \_\_\_\_\_ (state).

\_\_\_\_\_  
Signature of Authorized Officer or Agent

\_\_\_\_\_  
Printed Name and Title of Authorized Officer or Agent

SUBSCRIBED AND SWORN BEFORE ME  
ON THIS THE \_\_\_\_ DAY OF \_\_\_\_\_, 201\_\_.

\_\_\_\_\_  
NOTARY PUBLIC  
My Commission Expires:  
\_\_\_\_\_

Revised August 2014

SOLE PROPRIETOR EXEMPTION AFFIDAVIT

The undersigned sole proprietor of \_\_\_\_\_ verifies that they are exempt from compliance with O.C.G.A. § 36-60-6, stating affirmatively that the individual, firm, or corporation has no employees other than themselves and is not required to register with and/or utilize the federal work authorization program commonly known as E-Verify, or any subsequent replacement program, in accordance with the applicable provisions.

In making this representation under oath, I understand that any person who knowingly and willfully makes a false, fictitious or fraudulent statement or representation in an affidavit shall be guilty of a violation of Code Section 16-10-20 of the Official Code of Georgia.

I hereby declare under penalty of perjury that the foregoing is true and correct.

Executed on \_\_\_\_\_, \_\_\_\_\_, 201\_\_ in \_\_\_\_\_ (city), \_\_\_\_\_ (state).

\_\_\_\_\_  
Signature of Authorized Officer or Agent

\_\_\_\_\_  
Printed Name and Title of Authorized Officer or Agent

\_\_\_\_\_  
Type of secure and verifiable document provided  
*(Attach copy i.e. driver's license, passport etc.)*

SUBSCRIBED AND SWORN BEFORE ME  
ON THIS THE \_\_\_\_ DAY OF \_\_\_\_\_, 201\_\_

\_\_\_\_\_  
NOTARY PUBLIC  
My Commission Expires:  
\_\_\_\_\_

\_\_\_\_\_  
Revised August 2014

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Private Employer Exemption Affidavit Pursuant To O.C.G.A. § 36-60-6(d)

By executing this affidavit, the undersigned private employer verifies that it is exempt from compliance with O.C.G.A. § 36-60-6, stating affirmatively that the individual, firm, or corporation has NO employees that you are the sole proprietor of \_\_\_\_\_ and are not required to register with and/or utilize the federal work authorization program commonly known as E-Verify, or any subsequent replacement program, in accordance with the applicable provisions and deadlines established in O.C.G.A. § 36-60-6.

I hereby declare under penalty of perjury that the foregoing is true and correct.  
Executed on \_\_\_\_\_, 201\_\_ in \_\_\_\_\_ (city), \_\_\_\_\_ (state).

\_\_\_\_\_  
Printed Name of Exempt Private Employer

\_\_\_\_\_  
Signature of Exempt Private Employer or  
Authorized Officer or Agent

\_\_\_\_\_  
Printed Name and Title of Person Executing Affidavit

SUBSCRIBED AND SWORN BEFORE ME  
ON THIS THE \_\_\_\_\_ DAY OF \_\_\_\_\_, 201\_\_.

NOTARY PUBLIC  
My Commission Expires: \_\_\_\_\_

\* This affidavit is for submissions made on or after to July 1, 2013.

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Revised August 2014



**Secure and Verifiable Documents Under O.C.G.A. § 50-36-2**

*Issued August 1, 2012 by the Office of the Attorney General, Georgia*

The Illegal Immigration Reform and Enforcement Act of 2011 ("IIREA") provides that "[n]ot later than August 1, 2011, the Attorney General shall provide and make public on the Department of Law's website a list of acceptable secure and verifiable documents. The list shall be reviewed and updated annually by the Attorney General." O.C.G.A. § 50-36-2(f). The Attorney General may modify this list on a more frequent basis, if necessary.

Any secure and verifiable document presented must not be expired. If expiration occurs during contract/benefit period, a current document must be presented to maintain compliance.

The following list of secure and verifiable documents, published under the authority of O.C.G.A. § 50-36-2, contains documents that are verifiable for identification purposes, and documents on this list may not necessarily be indicative of residency or immigration status.

- A United States passport or passport card [O.C.G.A. § 50-36-2(b)(3), 8 CFR § 274a.2]
- A United States military identification card [O.C.G.A. § 50-36-2(b)(3), 8 CFR § 274a.2]
- A driver's license issued by one of the United States, the District of Columbia, the Commonwealth of Puerto Rico, Guam, the Commonwealth of the Northern Mariana Islands, the United States Virgin Island, American Samoa, or the Swain Islands, provided that it contains a photograph of the bearer or lists sufficient identifying information regarding the bearer, such as name, date of birth, gender, height, eye color, and address to enable the identification of the bearer [O.C.G.A. § 50-36-2(b)(3), 8 CFR § 274a.2]
- An identification card issued by one of the United States, the District of Columbia, the Commonwealth of Puerto Rico, Guam, the Commonwealth of the Northern Mariana Islands, the United States Virgin Island, American Samoa, or the Swain Islands, provided that it contains a photograph of the bearer or lists sufficient identifying information regarding the bearer, such as name, date of birth, gender, height, eye color, and address to enable the identification of the bearer [O.C.G.A. § 50-36-2(b)(3), 8 CFR § 274a.2]
- A tribal identification card of a federally recognized Native American tribe, provided that it contains a photograph of the bearer or lists sufficient identifying information regarding the bearer, such as name, date of birth, gender, height, eye color, and address to enable the identification of the bearer. A listing of federally recognized Native American tribes may be found at: <http://www.bia.gov/WhoWeAre/BIA/OIS/TribalGovernmentServices/TribalDirectory/index.htm> [O.C.G.A. § 50-36-2(b)(3), 8 CFR § 274a.2]
- A United States Permanent Resident Card or Alien Registration Receipt Card [O.C.G.A. § 50-36-2(b)(3), 8 CFR § 274a.2]
- An Employment Authorization Document that contains a photograph of the bearer [O.C.G.A. § 50-36-2(b)(3), 8 CFR § 274a.2]
- A passport issued by a foreign government [O.C.G.A. § 50-36-2(b)(3), 8 CFR § 274a.2]
- A Merchant Mariner Document or Merchant Mariner Credential issued by the United States Coast Guard [O.C.G.A. § 50-36-2(b)(3), 8 CFR § 274a.2]
- A Free and Secure Trade (FAST) card [O.C.G.A. § 50-36-2(b)(3), 22 CFR § 41.2]
- A NEXUS card [O.C.G.A. § 50-36-2(b)(3), 22 CFR § 41.2]
- A Secure Electronic Network for Travelers Rapid Inspection (SENTRI) card [O.C.G.A. § 50-36-2(b)(3), 22 CFR § 41.2]
- A driver's license issued by a Canadian government authority [O.C.G.A. § 50-36-2(b)(3), 8 CFR § 274a.2]
- A Certificate of Citizenship issued by the United States Department of Citizenship and Immigration Services (USCIS) (Form N-560 or Form N-561) [O.C.G.A. § 50-36-2(b)(3), 6 CFR § 37.11]
- A Certificate of Naturalization issued by the United States Department of Citizenship and Immigration Services (USCIS) (Form N-550 or Form N-570) [O.C.G.A. § 50-36-2(b)(3), 6 CFR § 37.11]
- Certification of Report of Birth issued by the United States Department of State (Form DS-1350) [O.C.G.A. § 50-36-2(b)(3), 6 CFR § 37.11]
- Certification of Birth Abroad issued by the United States Department of State (Form FS-545) [O.C.G.A. § 50-36-2(b)(3), 6 CFR § 37.11]
- Consular Report of Birth Abroad issued by the United States Department of State (Form FS-240) [O.C.G.A. § 50-36-2(b)(3), 6 CFR § 37.11]
- An original or certified copy of a birth certificate issued by a State, county, municipal authority, or territory of the United States bearing an official seal [O.C.G.A. § 50-36-2(b)(3), 6 CFR § 37.11]

In addition to the documents listed herein, if, in administering a public benefit or program, an agency is required by federal law to accept a document or other form of identification for proof of or documentation of identity, that document or other form of identification will be deemed a secure and verifiable document solely for that particular program or administration of that particular public benefit. [O.C.G.A. § 50-36-2(c)]

## EXHIBIT 1

Paul Schwindler, P.E.  
Director / County Engineer  
[paul-schwindler@peachcounty.net](mailto:paul-schwindler@peachcounty.net)

Reggie James  
Manager of Operations  
[reggie-james@peachcounty.net](mailto:reggie-james@peachcounty.net)

Annette Crawford  
Administrative Assistant  
[annette-crawford@peachcounty.net](mailto:annette-crawford@peachcounty.net)

# Peach County

## Public Works

410 Old Macon Road  
Fort Valley, Georgia 31030  
Phone 478-825-8717  
Fax 478-825-2684



## Project Description

**Date: June 27, 2013**

**Project: Vinson Road Improvements**

**Length: 3.36 Miles**

**Road Classification: Local**

**Existing Road Surface: Asphalt Concrete Pavement**

**Speed Limit: 45**

**Estimated Cost: \$ 150,000**

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**Description:** This Project proposes to prepare the existing paved road for a double bituminous surface treatment and sand seal overlay that will be installed in accordance with GDOT specifications. The project will seal the road to protect the base from moisture infiltration and provide an improved ride to meet citizen's expectations of the road.

The project would serve all of the residences of Vinson Rd. along with a moderate amount of collector traffic.



## Section 424—Bituminous Surface Treatment

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### 424.1 General Description

This work includes placing one or more applications of bituminous material and aggregate on a previously prepared base or pavement.

#### 424.1.01 Definitions

- **Single Surface Treatment:** One application of bituminous material that is covered with aggregate.
- **Double Surface Treatment:** A bituminous material application that is covered with aggregate of the size specified in the proposal followed by a second bituminous material application that is covered with a second specified size aggregate.
- **Triple Surface Treatment:** A bituminous material application that is covered with a specified size aggregate followed by subsequent applications of bituminous material that are covered with successively smaller size nominal aggregates.

#### 424.1.02 Related References

##### A. Standard Specifications

Section 105—Control of Work

Section 800—Coarse Aggregate

Section 802—Aggregates for Asphaltic Concrete

Section 820—Asphalt Cement

Section 824—Cationic Asphalt Emulsion

##### B. Referenced Documents

QPL 65

#### 424.1.03 Submittals

General Provisions 101 through 150.

### 424.2 Materials

#### A. Bituminous Material

Select the bituminous material from any type and grade listed in the materials table below. Notify the Engineer at least 10 days before ordering the bituminous material. The Engineer must approve the bituminous material choice.

For a list of latex sources, see [QPL 65](#).

Ensure that materials meet the requirements of the following Specifications:

Material	Section
Asphalt Cement, Performance Grade PG 58-22 or PG 64-22*	<a href="#">820.2.01</a>
Cationic Asphalt Emulsion, Grade CRS-2h or CRS-3*	<a href="#">824.2.01</a>
Latex-Modified Cationic Asphalt Emulsion, Grade CRS-2L	<a href="#">824.2.02</a>
* Use PG 64-22 or CRS-3 only at the Engineer's direction. (See <a href="#">Subsection 424.3.05.B.</a> )	



**Section 424-Bituminous Surface Treatment****B. Aggregates**

The size and group of aggregates used in the surface treatment are specified in the Proposal under the appropriate Line Item.

Do not use unconsolidated limerock unless provided for in the Plans or Proposal.

Use Class B aggregates only where the surface treatment is used for shoulder construction or where it is to be overlaid with asphaltic concrete.

Material	Section
Coarse Aggregate, Class A Crushed Stone or Crushed Slag, Group I or II	<a href="#">800.2.01</a>
Fine Aggregate for Asphaltic Concrete*	<a href="#">802.2.01</a>
*For sand seal application, use WA 10 washed screenings made from Group II aggregates.	

**424.2.01 Delivery, Storage, and Handling**

General Provisions 101 through 150.

**424.3 Construction Requirements****424.3.01 Personnel**

General Provisions 101 through 150.

**424.3.02 Equipment**

Have the Engineer approve equipment types and quantities before using equipment on the Project.

Ensure that the equipment used to construct the surface treatment:

- Produces work that complies with the standards in this section
- Is on the Project and in proper working order before construction begins and during construction.

**A. Aggregate Spreader**

The Department will inspect annually the aggregate spreader before it is used in the work. If the spreader is approved, the Department will attach an equipment certification sticker to the spreader.

Use a self-propelled aggregate spreader that can apply aggregate at the desired rate uniformly and accurately without corrugation, overlaps, or excess deficient areas.

Ensure that the spreader can spread courses to the required widths. Provide spreaders to promptly cover the full width of the asphalt application.

**B. Pressure Distributor**

The Department will inspect annually the pressure distributor before it is used in the work. If the distributor is approved, the Department will attach an equipment certification sticker to the distributor. The pressure distributor should be equipped as follows:

1. Mount the pressure distributor on pneumatic tires wide enough to prevent damage to the road surface.
2. Design, equip, maintain, and operate the distributor so that the bituminous material will be heated and applied evenly throughout the length of the spray bars. Ensure that it maintains a constant, uniform pressure on the nozzles.
3. Install screens between the tank and the nozzles and clean them frequently to prevent clogging.

## Section 424-Bituminous Surface Treatment

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4. Use an adjustable distributor that can deliver controlled amounts of bituminous material from 0.04 to 1.0 gal/yd<sup>2</sup>, ± 0.02 gal/yd<sup>2</sup> (0.18 to 4.53 L/m<sup>2</sup>, ± 0.10 L/m<sup>2</sup>) up to 24 ft (7.2 m) wide without atomization, streaking, or pulsation in the flow.
5. Use a distributor equipped with the following:
  - A tachometer and thermometers to indicate the application rate and the temperature of the tank contents
  - Measuring devices to accurately indicate the amount of bituminous material, in gallons (liters), in the distributor before and after each application
  - Full circulating spray bars that can be adjusted laterally to conform to a stringline and capable of vertical and horizontal adjustment.
  - A positive shut-off control to prevent dripping bituminous material on the roadway
  - A distributor tank equipped with a sample valve in a safe and convenient location to obtain bituminous material samples

### C. Heating Equipment

Ensure that heating equipment will heat and maintain the bituminous material uniformly at the temperature required. Provide an accurate thermometer.

### D. Steel-Wheeled Rollers

Use self-propelled, tandem-type steel-wheeled rollers. The rollers shall weigh from 3 to 8 tons (3 to 7 Mg). Ensure that the roller weights within these limits can properly seat the aggregate without fracturing the aggregate particles. Equip the roller drums with scrapers to prevent pick up of material. Combination rollers with pneumatic-tired wheels that can be alternated with a steel drum are permitted as a substitute for steel-wheeled rollers.

### E. Pneumatic-Tired Rollers

Use self-propelled, two axles, pneumatic-tired rollers with smooth-tread rubber tires aligned such that gaps between the tires on one axle are covered by the tires of the other axle. Equip the roller tires with scrapers and scrubbers to prevent pick up of material. Ensure that all tires are of the same size and ply rating and inflated to a minimum of 60 psi (415 kPa). Maintain tire pressure such that the difference in pressure between any two tires does not exceed 5 psi (35 kPa). Provide ballast as directed by the Engineer.

### F. Power Broom and Power Blower

Provide at least one power broom and one power blower, or a combination power broom and blower that can remove dust or loose materials from the road surface.

## 424.3.03 Preparation

Firmly compact, finish, and prime new bases. Ensure that the bases conform to the lines, grades, and cross sections within the tolerances specified.

### A. Removing Foreign Material

Use power brooms, power blowers, hand brooms, or other means to remove loose material, dust, dirt, clay, and other materials that prevent bituminous materials from adhering to the base.

Take special care to clean the outer edges thoroughly. Where necessary, use a motor grader blade to remove excess material off the paving edge.

### B. Condition of Prime

Check the condition of prime as follows:

1. Ensure the prime is cured before placing the mat course.
2. Repair the prime if it is loose, soft, unbonded, removed, or damaged.

3. Remove concentrations of excess prime.
4. Perform additional rolling with a pneumatic-tired roller before surface treatment when directed by the Engineer.

#### 424.3.04 Fabrication

General Provisions 101 through 150.

#### 424.3.05 Construction

##### A. Observing Seasonal and Weather Limitations

Apply bituminous surface treatment only between April 15 and October 15 and only when:

- Ambient temperature has not been less than 45 °F (7 °C) for 48 hours immediately prior to application.
- No forecast of ambient temperature less than 45 °F (7 °C) for 48 hours immediately following application.
- Ambient temperature and road surface temperature is at least 60 °F (16 °C) and stable at the time of application.

No exceptions are permitted except as authorized by the Engineer.

Do not apply asphalt cement to a wet surface.

**NOTE 1: When the relative humidity exceeds 80%, the ambient temperature exceeds 95 °F (35 °C), the pavement temperature exceeds 125 °F (52 °C) or the weather is windy or overcast, application of bituminous surface treatment will be at the discretion of the Engineer.**

**NOTE 2: If hot mix asphaltic concrete will be applied over the surface treatment, the Engineer may waive the seasonal limitations providing that traffic is not permitted on the surface treatment until it is covered with hot mix asphaltic concrete.**

##### B. Using PG 64-22 or CRS-3

Only use PG 64-22 or CRS-3 when directed by the Engineer due to a problem with excessive aggregate pickup during high ambient temperature.

##### C. Observing Sequence of Operations and Quantities of Materials

The sequence of operations and quantities of materials are shown in [Table 1](#), [Table 2](#) and [Table 3](#) ([Table 1a—metric](#), [Table 2a—metric](#) and [Table 3a—metric](#)).

The Engineer will determine the material quantities to be used during construction and may change the minimum or maximum application rate of any course during construction if the total quantities are within the amounts shown in the Tables. Any deviation from the table quantities will require a negotiated adjustment of the Contract price authorized by an approved Supplemental Agreement.

When a single application of bituminous surface treatment is used as a Crack-Relief Interlayer, use the quantities of materials shown in [Table 2](#) ([Table 2a—Metric](#)).

When a sand seal application is Specified, use the quantities of materials shown in [Table 3](#) ([Table 3a—Metric](#)).

## Section 424-Bituminous Surface Treatment

Section 424—Bituminous Surface Treatment – Table 1

Application		Type Construction									
		Single			Double			Triple			
Stone Sizes	1st application		#89	#7	#6		#7	#6		#6	#5
	2nd application						#89	#7		#7	#7
	3rd application									#89	#89
	Control Tolerance					Control Tolerance			Control Tolerance		
1st Application Bituminous Materials (gal/yd <sup>2</sup> ) PG58-22 or PG64-22		± .02	.17-.19	.18-.25	.22-.30	± .02	.20-.27	.26-.34	± .02	.20-.30	.24-.34
CRS-2h, CRS-3		± .02	.20-.22	.21-.29	.25-.35	± .02	.23-.32	.30-.40	± .02	.23-.35	.28-.40
1st Application Stone (ft <sup>3</sup> /yd <sup>2</sup> )		± .03	.14-.18	.18-.26	.30-.42	± .03	.18-.26	.30-.42	± .03	.30-.42	.41-.53
2nd Application Bituminous Materials (gal/yd <sup>2</sup> ) PG58-22 or PG64-22						± .02	.18-.24	.24-.31	± .02	.20-.27	.20-.27
CRS-2h, CRS-3						± .02	.21-.28	.28-.36	± .02	.23-.32	.23-.32
2nd Application Stone (ft <sup>3</sup> /yd <sup>2</sup> )						± .03	.14-.18	.18-.26	± .03	.18-.26	.18-.26
3rd Application Bituminous Materials (gal/yd <sup>2</sup> ) PG58-22 or PG64-22									± .02	.18-.24	.18-.24
CRS-2h, CRS-3									± .02	.21-.28	.21-.28
3rd Application Stone (ft <sup>3</sup> /yd <sup>2</sup> )									± .03	.14-.18	.14-.18
Total Bituminous Materials (gal/yd <sup>2</sup> ) PG58-22 or PG64-22		± .02	.17-.19	.18-.25	.22-.30	± .03	.38-.51	.50-.65	± .04	.58-.81	.62-.85
CRS-2h, CRS-3		± .02	.20-.22	.21-.29	.25-.35	± .03	.44-.60	.58-.76	± .04	.67-.95	.72-1.0
Total Stone (ft <sup>3</sup> /yd <sup>2</sup> )		± .03	.14-.18	.18-.26	.30-.42	± .04	.32-.44	.48-.68	± .05	.62-.86	.73-.97
Notes:											
1. Target application rates for bituminous material, coarse aggregate and seal sand will be established by the Engineer within the limits shown in Table 1, based on roadway and traffic conditions.											
2. Do not apply bituminous material or aggregate outside the specified minimum and maximum application rates regardless of the control tolerances shown for each application unless directed by the Engineer in accordance with No. 3 below.											
3. At the Engineer's direction, application rates for bituminous materials and aggregate may be varied outside the specified limits for each course at no additional cost provided the combined total of materials is within the specified total minimum and total maximum application rates for the combined total of all courses.											
4. Maintain the control tolerances shown above or stop the work until the necessary corrections are made.											
5. Apply at least one seal coat to the mat course on the same day when multiple applications are specified.											

## Section 424-Bituminous Surface Treatment

## Section 424—Bituminous Surface Treatment, Crack-Relief Interlayer – Table 2

Bituminous Material Application (gal/yd <sup>2</sup> )	Application Rate	Control Tolerance
PG 58-22 or PG 64-22	.20 – .27	± .02
CRS-2h, CRS-2L or CRS 3	.25 – .35	± .02
Aggregate Application (ft <sup>3</sup> /yd <sup>2</sup> )	Application Rate	Control Tolerance
#89	.14 – .18	± .02
#7	.18 – .26	± .02

Notes:

- Target application rates for bituminous material and aggregate will be established by the Engineer within the limits shown in Table 2.
- When single surface treatment stone size No. 89 or No. 7 is applied over a milled surface, the minimum application rate for CRS-2h, CRS-2L or CRS 3 shall be 0.30 (gal/yd<sup>2</sup>) and for PG 58-22 or PG 64-22 shall be 0.22 (gal/yd<sup>2</sup>).
- Do not apply bituminous material or aggregate outside the specified minimum and maximum application rates regardless of the control tolerances shown for each application.
- Maintain the control tolerances shown above or stop the work until the necessary corrections are made.
- Cover the single surface treatment Crack-Relief Interlayer with HMA Leveling on the same day.

## Section 424—Bituminous Surface Treatment, Sand Seal – Table 3

Aggregates	Application Rate (ft <sup>3</sup> /yd <sup>2</sup> )	Control Tolerance	Bituminous Material	Application Rate (gal/yd <sup>2</sup> )	Control Tolerance
#6	.30 – .42	± .02	CRS-2h, CRS-2L or CRS 3	.23 – .35	± .02
			PG 58-22 or PG 64-22	.20 – .30	± .02
#7	.18 – .26	± .02	CRS-2h, CRS-2L or CRS 3	.21 – .29	± .02
			PG 58-22 or PG 64-22	.18 – .25	± .02
#89	.14 – .18	± .02	CRS-2h, CRS-2L or CRS 3	.20 – .22	± .02
			PG 58-22 or PG 64-22	.17 – .19	± .02
WA 10 Washed Screenings	.10 – .14	± .02	CRS-2h, CRS-2L or CRS 3	.10 – .25	± .02
			PG 58-22 or PG 64-22	.10 – .17	± .02

Notes:

1. Target application rates for bituminous material, coarse aggregate and seal sand will be established by the Engineer within the limits shown in Table 3, based on roadway and traffic conditions.
2. Do not apply bituminous material or aggregate outside the specified minimum and maximum application rates regardless of the control tolerances shown for each application unless directed by the Engineer in accordance with No. 3 below.
3. At the Engineer's direction, application rates for bituminous materials and aggregate may be varied outside the specified limits for each course at no additional cost provided the combined total of materials is within the specified total minimum and total maximum application rates for the combined total of all courses.
4. Maintain the control tolerances shown above or stop the work until the necessary corrections are made.
5. Cover the coarse aggregate seal stone with seal sand on the same day.

## Section 424-Bituminous Surface Treatment

Section 424—Bituminous Surface Treatment – Table 1a (Metric)

Application		Type Construction									
		Single			Double			Triple			
Stone Sizes	1st application		#89	#7	#6		#7	#6		#6	#5
	2nd application						#89	#7		#7	#7
	3rd application									#89	#89
	Control Tolerance					Control Tolerance			Control Tolerance		
1st Application Bituminous Materials (L/m <sup>2</sup> ) PG58-22 or PG64-22		± .09	.77–.86	.82–1.13	1.00–1.36	± .09	.91–1.22	1.18–1.54	± .09	.91–1.36	1.09–1.54
CRS-2h, CRS-3		± .09	.91–1.00	.95–1.31	1.13–1.58	± .09	1.04–1.45	1.36–1.81	± .09	1.04–1.58	1.27–1.81
1st Application Stone (m <sup>3</sup> /m <sup>2</sup> )		± .001	.005–.006	.006–.009	.01–.014	± .001	.006–.009	.01–.015	± .001	.01–.014	.014–.018
2nd Application Bituminous Materials (L/m <sup>2</sup> ) PG58-22 or PG64-22						± .09	.82–1.09	1.09–1.40	± .09	.91–1.22	.91–1.22
CRS-2h, CRS-3						± .09	.95–1.26	1.27–1.63	± .09	1.04–1.45	1.04–1.45
2nd Application Stone (m <sup>3</sup> /m <sup>2</sup> )						± .001	.005–.006	.006–.009	± .001	.006–.009	.006–.009
3rd Application Bituminous Materials (L/m <sup>2</sup> ) PG58-22 or PG64-22									± .09	.82–1.09	.82–1.09
CRS-2h, CRS-3									± .09	.95–1.27	.95–1.27
3rd Application Stone (m <sup>3</sup> /m <sup>2</sup> )									± .001	.005–.006	.005–.006
Total Bituminous Materials (L/m <sup>2</sup> ) PG58-22 or PG64-22		± .09	.77–.86	.82–1.13	1.00–1.36	± .14	1.72–2.31	2.26–2.94	± .18	2.63–3.67	2.81–4.53
CRS-2h, CRS-3		± .09	.91–1.00	.95–1.31	1.13–1.58	± .14	1.99–2.72	2.63–3.44	± .18	3.04–4.30	3.26–4.53
Total Stone (m <sup>3</sup> /m <sup>2</sup> )		± .001	.005–.006	.006–.009	.01–.014	± .0013	.011–.015	.016–.024	± .0016	.021–.029	.025–.033

Notes:

1. Target application rates for bituminous material, coarse aggregate and seal sand will be established by the Engineer within the limits shown in Table 1a, based on roadway and traffic conditions.
2. Do not apply bituminous material or aggregate outside the specified minimum and maximum application rates regardless of the control tolerances shown for each application unless directed by the Engineer in accordance with No. 3 below.
3. At the Engineer's direction, application rates for bituminous materials and aggregate may be varied outside the specified limits for each course at no additional cost provided the combined total of materials is within the specified total minimum and total maximum application rates for the combined total of all courses.
4. Maintain the control tolerances shown above or stop the work until the necessary corrections are made.
5. Apply at least one seal coat to the mat course on the same day when multiple applications are specified.

## Section 424-Bituminous Surface Treatment

## Section 424—Bituminous Surface Treatment, Crack-Relief Interlayer – Table 2a (Metric)

Bituminous Material Application (L/m <sup>2</sup> )	Application Rate	Control Tolerance
PG 58-22 or PG 64-22	.91 – 1.22	± .09
CRS-2h, CRS-2L or CRS 3	1.13 – 1.58	± .09
Aggregate Application (m <sup>3</sup> /m <sup>2</sup> )	Application Rate	Control Tolerance
#89	0.005 – 0.006	± .0007
#7	.006 – .009	± .0007

Notes:

- Target application rates for bituminous material and aggregate will be established by the Engineer within the limits shown in Table 2a.
- When single surface treatment stone size No. 89 or No. 7 is applied over a milled surface, the minimum application rate for CRS-2h, CRS-2L or CRS 3 shall be 1.36 (L/m<sup>2</sup>) and for PG 58-22 or PG 64-22 shall be 1.00 (L/m<sup>2</sup>).
- Do not apply bituminous material or aggregate outside the specified minimum and maximum application rates regardless of the control tolerances shown for each application.
- Maintain the control tolerances shown above or stop the work until the necessary corrections are made.
- Cover the single surface treatment Crack-Relief Interlayer with HMA Leveling on the same day.

## Section 424—Bituminous Surface Treatment, Sand Seal – Table 3a (Metric)

Aggregates	Application Rate (m <sup>3</sup> /m <sup>2</sup> )	Control Tolerance	Bituminous Material	Application Rate (L/m <sup>2</sup> )	Control Tolerance
#6	0.0102 – 0.0142	± .0007	CRS-2h, CRS-2L or CRS 3	1.04 – 1.58	± .09
			PG 58-22 or PG 64-22	0.91 – 1.36	± .09
#7	0.0061 – 0.0088	± .0007	CRS-2h, CRS-2L or CRS 3	0.95 – 1.31	± .09
			PG 58-22 or PG 64-22	0.81 – 1.13	± .09
#89	0.0047 – 0.0061	± .0007	CRS-2h, CRS-2L or CRS 3	0.91 – 1.00	± .09
			PG 58-22 or PG 64-22	0.77 – 0.86	± .09
WA 10 Washed Screenings	0.0034 – 0.0047	± .0007	CRS-2h, CRS-2L or CRS 3	0.45 – 1.13	± .09
			PG 58-22 or PG 64-22	0.45 – 0.77	± .09

Notes:

1. Target application rates for bituminous material, coarse aggregate and seal sand will be established by the Engineer within the limits shown in Table 3a, based on roadway and traffic conditions.
2. Do not apply bituminous material or aggregate outside the specified minimum and maximum application rates regardless of the control tolerances shown for each application unless directed by the Engineer in accordance with No. 3 below.
3. At the Engineer's direction, application rates for bituminous materials and aggregate may be varied outside the specified limits for each course at no additional cost provided the combined total of materials is within the specified total minimum and total maximum application rates for the combined total of all courses.
4. Maintain the control tolerances shown above or stop the work until the necessary corrections are made.
5. Cover the coarse aggregate seal stone with seal sand on the same day.

### D. Heating Bituminous Material

Evenly heat the entire mass of bituminous material for each application under positive control. While the material is being applied, maintain it within the specified temperature range.

**E. Applying Bituminous Material**

The following are temperatures at which bituminous material shall be applied.

Bituminous Material	Asphalt Cement	CRS-2h	CRS-3	CRS-2L
Application temperature °F (°C)	275–350 (135–177)	140–180 (60–82)	140–180 (60–82)	140–180 (60–82)

**NOTE 1: Do not store emulsified asphalts at temperatures exceeding 150 °F (65 °C) for any extended time.**

**NOTE 2: Do not place bituminous surface treatment on fresh asphaltic concrete, except for paved shoulders, until the asphaltic concrete has been in place at least 30 days.**

The Engineer will designate the maximum area to which bituminous material may be applied at one time. Apply the material as follows:

1. After applying the bituminous material to the section, immediately cover it with the correct application rate of aggregate before beginning the next section.

Do not apply the bituminous material to the full width of the pavement unless the aggregate spreader can immediately cover the full width of the applied material.

**NOTE: Never allow bituminous material to chill, set up, dry, or reach a condition that impairs the retention of cover aggregate before the aggregate is applied.**

2. When a longitudinal joint is necessary:
  - Do not overlap the applications more than 4 in (100 mm).
  - Do not leave any area uncovered.
  - Never allow excess quantities of bituminous materials to build up.
3. On curves that require widening:
  - a. Shoot the extra width on the outside first.
  - b. Shoot the normal width with the distributor and follow the inside paving edge.
4. Ensure that the spray of bituminous material is uniform at all times. If the spray is not uniform:
  - a. Stop the work.
  - b. Change equipment, personnel, or methods to attain the required uniformity.
  - c. Apply bituminous material at one-half the width of the roadway, if necessary.
5. If streaking develops:
  - a. Stop the distributor and correct the problem before proceeding.
  - b. Use a hand hose or a hand pouring pot to cover the streaked areas at approximately the same application rate of bituminous material.
6. If a part of the work cannot be reached by the distributor, treat it by hand hoses with nozzles.
7. Protect curbs, gutters, handrails, and other structures from discoloration by the bituminous material. Remove bituminous material that is sprayed or spilled on these structures.
8. Ensure that the bituminous material joins neatly in place by beginning and ending the asphalt application from a heavy paper or tight trough that is longer than the width of the treatment being applied. Place it to catch and hold the surplus material.
9. When cleaning and emptying the distributor, empty it where the bituminous material can be covered with dirt and completely disposed of without damaging the Rights-of-Way.

**F. Spreading Aggregates**

Spread the aggregates as follows:



1. Ensure that aggregates do not contain free moisture when spread.
2. Apply aggregate immediately after applying bituminous materials.
3. Uniformly spread the aggregate at the specified rate without corrugations, overlaps, excess, or deficient areas.
4. Move the spreader at a uniform speed, regardless of the grade.
5. Ensure that the distance that the aggregate free falls remains constant during spreading.
6. Remove corrugations. Operate the spreader to prevent overlap of aggregates. If overlap occurs, remove the excess aggregate before rolling.
7. Ensure a uniform aggregate spread by hand spotting and brooming as necessary.

### G. Rolling

Observe the following guidelines for rolling bituminous surface treatment:

1. Synchronize the speed of the distributor and aggregate spreader with that of the rolling operation.
2. Use a minimum of two (2) individual rollers, one of which must be a pneumatic-tired roller meeting the requirements of Subsection 424.3.02.E.
3. If a steel-wheeled roller will fracture the aggregate, use pneumatic-tired rollers only.
4. Begin rolling within one minute after spreading the aggregate.
5. Operate rollers at speeds not exceeding 5 mph.
6. Proceed in a longitudinal direction, beginning at the outside edge of the aggregate application.
7. A roller pass is defined as one trip in a single direction.
8. Overlap each roller pass by approximately 1/2 the roller width.
9. Provide a minimum of three (3) roller passes per roller for each layer of aggregate to properly embed the aggregate particles.

**Note: Unless a sufficient number of rollers are in operation to complete the above requirements, do not make subsequent applications of bituminous material until rolling of the previous application is completed.**

### H. Brooming

Use a revolving broom as necessary, supplemented by hand brooming, to remove or redistribute excess stone. Sweep the completed surface treatment within the first three hours of the next available workday following placement. Take care not to unseat bonded stone when sweeping.

### I. Controlling Traffic

Do not allow traffic on the surface treatment until the bituminous material has cured sufficiently to ensure that the aggregate will not be loosened, dislodged, or whipped off by slow moving traffic.

Control traffic to speeds not exceeding 25 mph for a minimum of two hours after application of the seal stone and until the Engineer permits the road to be opened to normal traffic speeds.

Use pilot vehicles to control traffic speeds.

#### 424.3.06 Quality Acceptance

General Provisions 101 through 150.

#### 424.3.07 Contractor Warranty and Maintenance

Maintain and protect the surface course as specified in [Section 105](#) until the Project has been accepted. Make repairs as the Engineer directs. The cost of maintenance, protection, and repair is included in the Unit Prices Bid for the Item for which they apply.

**424.4 Measurement**

The area to be measured is the number of square yards (meters) of each type surface treatment completed and accepted.

**424.4.01 Limits**

The length is measured along the surface. The width is specified on the Plans, plus or minus any authorized changes. Irregular areas are measured by the surface square yard (meter) within the lines shown on the Plans or authorized changes.

**424.5 Payment**

The accepted area of surface treatment will be paid for at the Contract Unit Price per square yard (meter) complete for each type and stone size specified.

Payment will be made under:

Item No. 424	Single surface treatment stone size __ group__	Per square yard (meter)
Item No. 424	Double surface treatment stone size __ and __ group __	Per square yard (meter)
Item No. 424	Double surface treatment stone size __ and __ group __ with Seal Sand __ and Latex-Modified Emulsion	Per square yard (meter)
Item No. 424	Double surface treatment stone size #6 and #7 group __ with Seal Sand ____	Per square yard (meter)
Item No. 424	Triple surface treatment stone sizes __, __ and __, group __	Per square yard (meter)

**424.5.01 Adjustments**

General Provisions 101 through 150.

