### INVITATION TO BID

### BID NO. 15-0104-4

# PAVING RESURFACING AND IMPROVEMENTS 2015 SECOND LETTING

PRE-BID CONFERENCE: 2:00 PM, OCTOBER 6, 2015

BID OPENING: 2:00 PM, OCTOBER 20, 2015

THE COMMISSIONERS OF CHATHAM COUNTY, GEORGIA

ALBERT J. SCOTT, CHAIRMAN

COMMISSIONER HELEN J. STONE
COMMISSIONER JAMES J. HOLMES
COMMISSIONER TONY CENTER
COMMISSIONER PATRICK J. FARRELL

COMMISSIONER YUSUF K. SHABAZZ
COMMISSIONER LORI L. BRADY
COMMISSIONER DEAN KICKLIGHTER
COMMISSIONER PRISCILLA D. THOMAS

R. JONATHAN HART, COUNTY ATTORNEY

### CHATHAM COUNTY, GEORGIA

### DOCUMENT CHECK LIST

The following documents, when marked, are contained in and made a part of this Bid Package or are required to be submitted with the bid. It is the responsibility of the bidder to read, complete and sign, where indicated, and return these documents with his/her bid. **FAILURE TO DO SO MAY BE CAUSE FOR DISQUALIFYING THE BID.** 

MAT BE CAUSE FOR DISQUILLE TING THE DID.
X GENERAL INFORMATION AND INSTRUCTIONS TO BID WITH ATTACHMENTS
X SURETY REQUIREMENTS - A Bid Bond of 5% with this ITB.
X_PROPOSAL
XPLANS/SPECIFICATIONS – Typical Sections, plan sheets and Specifications are part of this package. There are <u>no additional Drawings for this project</u> .
X_BID SCHEDULE
PERFORMANCE BOND – Rquired at the time of contract.
PAYMENT BOND – Required at the time of contract.
CONTRACT
X LEGAL NOTICE
X_ATTACHMENTS: A. DRUG FREE WORKPLACE; B. NONDISCRIMINATION STATEMENT; C. DISCLOSURE OF RESPONSIBILITY STATEMENT; D. CONTRACTOR & SUBCONTRACTOR AFFIDAVIT AND AGREEMENT, E. BIDDER'S CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION, F. M/WBE PARTICIPATION REPORT, G. SYSTEMATIC ALIEN VERIFICATION FOR ENTITLEMENTS, H. CHATHAM APPRENTICE PROGRAM DOCUMENTATION
X DOCUMENTATION OF ABILITY TO PERFORM BID REQUIREMENTS. THIS MAY BE REQUIRED OF BIDDERS AFTER SUBMISSION OF BIDS.

COUNTY TAX CERTIFICATE REQUIREMENT - Contractor must supply a copy of their Tax Certificate from their location in the State of Georgia, as proof of payment of the occupational tax where their office is located. CURRENT TAX CERTIFICATE NUMBER CITY COUNTY\_\_\_\_ OTHER The Chatham County of Commissioners have established goals to increase participation of minority and woman owned businesses. In order to accurately document participation, businesses submitting bids or proposals are encouraged to report ownership status. A minority or woman owned business is defined as a business with at least 51% ownership by one or more minority/female individuals and whose daily business operations are managed and directed by one (1) or more of the minority/female owners. Please check ownership status as applicable: African-American Asian American Hispanic\_\_\_\_\_ Native American or Alaskan Indian Woman Woman In the award of "Competitive Sealed Proposals", minority/female participation may be one of several evaluation criteria used in the award process when specified as such in the Request for Proposal. RECEIPT IS HEREBY ACKNOWLEDGED OF ADDENDA NUMBER(S)\_\_\_\_\_ The undersigned bidder certifies that he/she has received the above listed and marked documents and acknowledges that his/her failure to return each, completed and signed as required, may be cause for disqualifying his/her bid. BY:\_\_\_\_ DATE SIGNATURE TITLE:

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

# CHATHAM COUNTY, GEORGIA OFFICE OF THE PURCHASING DIRECTOR 1117 EISENHOWER DRIVE - SUITE C SAVANNAH, GEORGIA 31406 (912) 790-1622

Date: September 15, 2015

BID NO. 15-0104-4

### GENERAL INFORMATION FOR INVITATION FOR BID

This is an invitation to submit a bid to supply Chatham County with construction, equipment, supplies and/or services as indicated herein. Sealed bids will be received at the Office of the Purchasing Agent, at The Chatham County Citizens Service Center, 1117 Eisenhower Drive, Suite C, Savannah, Georgia 31406 up to 2:00PM local time, OCTOBER 20, 2015, at which time they will be opened and publicly read. The County reserves the right to reject all bids that are non-responsive or not responsible.

Instructions for preparation and submission of a bid are contained in this Invitation To Bid package. Please note that specific forms for submission of a bid are required. Bids must be typed or printed in ink.

A <u>Pre-bid Conference</u> has been scheduled to be conducted at <u>The Chatham County Citizens</u> Service Center, 1117 Eisenhower Drive, Suite C, Savannah, Georgia, on, OCTOBER 6, 2015, at 2:00 PM., to discuss the specifications and resolve any questions and/or misunderstanding that may arise. You are encouraged to attend.

Any changes to the conditions and specifications must be in the form of a written addendum to be valid; therefore, the Purchasing Agent will issue a written addendum to document each approved change. Generally when addenda are required, the bid opening date will be changed.

Chatham County has an equal opportunity purchasing policy. Chatham County seeks to ensure that all segments of the business community have access to supplying the goods and services needed by County programs. The County affirmatively works to encourage utilization of disadvantaged and minority business enterprises in our procurement activities. The County provides equal opportunity for all businesses and does not discriminate against any persons or businesses regardless of race, color, religion, age, sex, national origin or handicap. The terms "disadvantaged business," "minority business enterprise," and "minority person" are more specifically defined and explained in the Chatham County Purchasing Ordinance and Procedures Manual, Article VII - Disadvantaged Business Enterprises Program.

This project <u>IS</u> a Special Purpose Local Option Sales Tax (SPLOST) Project. See paragraph 2.25 for MBE/WBE participation goals.

### INSTRUCTIONS TO BIDDERS

Purpose: The purpose of this document is to provide general and specific information for use in submitting a bid to supply Chatham County with equipment, supplies, and/or services as described herein. All bids are governed by the <u>Code of Chatham County</u>, Chapter 4, Article IV, and the laws of the State of Georgia.

### 1.2 How to Prepare Bids: All bids shall be:

- a. Prepared on the forms enclosed herewith, unless otherwise prescribed, and all documents must be submitted.
- b. Typewritten or completed with pen and ink, signed by the business owner or authorized representative, with all erasures or corrections initialed and dated by the official signing the bid. ALL SIGNATURE SPACES MUST BE SIGNED.

Bidders are encouraged to review carefully all provisions and attachments of this document prior to submission. Each bid constitutes an offer and may not be withdrawn except as provided herein.

### 1.3 **How to Submit Bids:** All bids shall be:

- a. An original and <u>duplicate</u> copy must be submitted in a sealed opaque envelope, plainly marked with the bid number and title, date and time of bid opening, and company name.
- b. Mailed or delivered as follows in sufficient time to ensure receipt by the Purchasing Director on or before the time and date specified above.
  - 1. Mailing Address: Chatham County Purchasing and Contracting, 1117 Eisenhower Drive, Suite C, Savannah, Georgia 31406.
  - 2. Hand Delivery: Purchasing Director, Chatham County Citizens Service Center, 1117 Eisenhower Drive, Suite C, Savannah, Georgia 31406.

# BIDS NOT RECEIVED BY THE TIME AND DATE SPECIFIED WILL NOT BE OPENED OR CONSIDERED.

1.4 **How to Submit an Objection:** Objections from bidders to this invitation to bid and/or these specifications should be brought to the attention of the County Purchasing Director in the following manner:

- a. When a pre-bid conference is scheduled, bidders shall either present their oral objections at that time or submit their written objections at least two (2) days prior to the scheduled pre-bid conference.
- b. When a pre-bid conference is not scheduled, the bidder shall submit any objections he may have in writing not less than five (5) days prior to the opening of the bid.
- c. The objections contemplated may pertain to form and/or substance of the invitation to bid documents. Failure to object in accordance with the above procedure will constitute a waiver on the part of the business to protest this invitation to bid.
- 1.5 **Failure to Bid:** If a bid is not submitted, the business should return this invitation to bid document, stating reason therefore, and indicate whether the business should be retained or removed from the County's bidders list.
- 1.6 **Errors in Bids:** Bidders or their authorized representatives are expected to fully inform themselves as to the conditions, requirements, and specifications before submitting bids. Failure to do so will be at the bidder's own risk. In case of error in extension of prices in the bid, the unit price will govern.
- 1.7 **Standards for Acceptance of Bid for Contract Award:** The County reserves the right to reject any or all bids and to waive any irregularities or technicalities in bids received whenever such rejection or waiver is in the best interest of the County. The County reserves the right to reject the bid of a bidder who has previously failed to perform properly or complete on time contracts of a similar nature, or a bid from a bidder whom investigation shows is not in a position to perform the contract.
- 1.8 **Bid Tabulation:** Tabulations for all bids will be posted for thirty (30) days after the bid opening in the Office of Purchasing and Contracting, 1117 Eisenhower Drive, Suite C, Savannah, Georgia 31406 or can be reviewed on the Purchasing web site 24/48 hours after opening at http://purchasing.chathamcounty.org.
- 1.9 **Bidder:** Whenever the term "bidder" is used it shall encompass the "person," "business," "contractor," "supplier," "vendor," or other party submitting a bid or proposal to Chatham County in such capacity before a contract has been entered into between such party and the County.
- 1.10 **Responsible** / **Responsive Bidder:** Responsible Bidder means a person or entity that has the capability in all respects to perform fully and reliably the contract requirements. Responsive Bidder means a person or entity that has submitted a bid or proposal that conforms in all material respects to the requirements set forth in the invitation for bids or request for proposals.

- 1.11 **Compliance with Laws:** The bidder and/or contractor shall obtain and maintain all licenses, permits, liability insurance, workman's compensation insurance and comply with any and all other standards or regulations required by federal, state or County stature, ordinances and rules during the performance of any contract between the contractor and the County. Any such requirement specifically set forth in any contract document between the contractor and the County shall be supplementary to this section and not in substitution thereof.
- 1.12 **Contractor:** Contractor or subcontractor means any person or business having a contract with Chatham County. The Contractor/Vendor of goods, material, equipment or services certifies that they will follow equal employment opportunity practices in connection with the awarded contract as more fully specified in the contract documents.
- Local Preference: On 27 March 1998, the Board of Commissioners adopted a "Local Vendor" Preference Ordinance that gives the lowest Chatham County vendor submitting a responsible bid/quote the opportunity to match the lowest price offered by an out-of-County vendor. If the County vendor confirms in writing to match within 24 hours, the award will be made to the Chatham County vendor. The lowest Chatham County responsive bidder will be afforded the "right to first refusal". "Local Vendor" is defined as a business or supplier which operates and maintains a regular place of business within the geographical boundaries of Chatham County or one of the local Municipalities of the County AND all real and personal property taxes are paid prior to award of a contract or purchase. "NOT APPLICABLE TO PUBLIC WORKS CONSTRUCTION PROJECTS AND REVENUE PRODUCING BIDS." However, contractors are encourage to apply the same method when awarding bids to local M/WBE businesses whenever possible in order to promote growth in Chatham County's economy.
- 1.14 **Debarred Firms and Pending Litigation:** Any potential proposer/firm listed on the Federal or State of Georgia Excluded Parties Listing (Barred from doing business) **will not** be considered for contract award. Proposers **shall disclose** any record of pending criminal violations (Indictment) and/or convictions, pending lawsuits, etc., and any actions that may be a conflict of interest occurring within the past five (5) years. Any proposer/firm previously defaulting or terminating a contract with the County will not be considered.
  - \*\* All bidders or proposers are to read and complete the Disclosure of Responsibility Statement enclosed as an Attachment to be returned with response. Failure to do so may result in your solicitation response being rejected as non-responsive.

Bidder acknowledges that in performing contract work for the Board, bidder shall not utilize any firms that have been a party to any of the above actions. If bidder has engaged any firm to work on this contract or project that is later debarred, Bidder shall sever its relationship with that firm with respect to Board contract.

- 1.15 **Performance Evaluation:** On 11April 2008, the Chatham County Board of Commissioners approved a change to the County Purchasing Ordinance requiring Contractor/Consultant Performance Evaluations, as a minimum, annually, prior to contract anniversary date. Should Contractor/Consultant performance be unsatisfactory, the appointed County Project Manager for the contract may prepare a Contractor/Consultant Complaint Form or a Performance Evaluation to the County Purchasing Agent.
- 1.16 **Payment of Taxes**: No contract shall be awarded unless all real and personal property taxes have been paid by the successful contractor and/or subcontractors as adopted by the Board of Commissioners on 8 April 1994.
- 1.17 **State Licensing Board for General Contractors:** Pursuant to Georgia law, the following types of contractors must obtain a license from the State Licensing Board of Residential and General Contractors by 1 July 2008:
  - \*Residential Basic Contractor (Contractor work relative to detached one-family and two-family residences and one-family townhouses not over three stories in height).
  - \*Residential Light Commercial Contractor (Contractor work or activity related to multifamily and multiuse light commercial buildings and structures).
  - \*General Contractor (Contractor work or activity that is unlimited in scope regarding any residential or commercial projects).

### See "Checklist for Submitting Bid" for the type of license required for this project.

1.18 **Immigration:** On 1 July, the Georgia Security and Immigration Compliance Act (SB 529, Section 2) became effective. All contractors and subcontractors with 100 or more employees entering into a contract or work must sign an affidavit that he/she has used the E-Verify System. E-Verify is a no-cost federal employment verification system to insure employment eligibility.

Affidavits are enclosed in this solicitation. You may download M-274 Handbook for Employers at <a href="http://www.dol.state.ga.us/spotlight/employment/rules">http://www.uscis.gov.</a> to find the E-Verify information.

Systematic Alien Verification for Entitlements (SAVE) Program: O.C.G.A. 50-36-1, required Georgia's counties to comply with the federal Systematic Alien Verification for Entitlements (SAVE) Program. SAVE is a federal program used to verify that applicants for certain "public benefits" are legally present in the United States. Contracts with the County are considered "public benefits." Therefore, the successful bidder will be required to provide the Affidavit Verifying Status for Chatham County Benefit Application prior to receiving any County contract. The affidavit is included as part of this bid package but is only required of the successful bidder.

**Protection of Resident Workers.** Chatham County Board of Commissioners actively supports the Immigration and Nationality Act (INA) which includes provisions addressing employment eligibility, employment verification, and nondiscrimination. Under the INA, employers may hire only persons who may legally work in the United States (i.e., citizens and nationals of the U.S.) and aliens authorized to work in the U.S. The employer must verify the identity and employment eligibility of anyone to be hired, which includes completing the Employment Eligibility Verification Form (I-9). The Contractor shall establish appropriate procedures and controls so no services or products under the Contract Documents will be performed or manufactured by any worker who is not legally eligible to perform such services or employment.

1.19 Chatham Apprentice Program Hiring: Chatham County has established a Chatham Apprentice Program (CAP) to train area residents in the building trades. Successful Contractor shall be required to make a good faith effort to utilize labor from the CAP Program on this project when feasible. A Good Faith Effort will be demonstrated by documentation of inquiry into CAP labor available and resulting hiring of CAP labor or providing reasons for Contractor not utilizing any CAP labor. Form demonstrating Good Faith Effort is enclosed in this bid package. Contractor shall complete the form and return with their first pay request. All questions regarding CAP student hiring should be directed to Daniel Dodd-Ramirez at (912) 232-6747.

### GENERAL CONDITIONS

- 2.1 **Specifications:** Any obvious error or omission in specifications shall not inure to the benefit of the bidder but shall put the bidder on notice to inquire of or identify the same from the County. Whenever herein mentioned is made of any article, material or workmanship to be in accordance with laws, ordinances, building codes, underwriter's codes, A.S.T.M. regulations or similar expressions, the requirements of these laws, ordinances, etc., shall be construed to be the minimum requirements of these specifications.
- 2.2 **Multiple Bids:** No vendor will be allowed to submit more than one (1) bid. Any alternate proposals must be brought to the Purchasing Agent's attention during the Pre-bid Conference or submitted in writing at least five (5) days preceding the bid opening date.
- 2.3 Not Used.
- 2.4 **Prices to be Firm:** Bidder warrants that bid prices, terms and conditions quoted in his bid will be firm for acceptance for a period of <u>sixty (60)</u> days from bid opening date, unless otherwise stated in the bid.
- 2.5 **Completeness:** All information required by Invitation for Bids/Proposals must be completed and submitted to constitute a proper bid or proposal.
- 2.6 Quality: All materials, or supplies used for the construction necessary to comply with this

proposal shall be of the best quality, and of the highest standard of workmanship. Workmanship employed in any construction, repair, or installation required by this proposal shall be of the highest quality and meet recognized standards within the respective trades, crafts and of the skills employed.

- 2.7 **Guarantee/Warranty:** Unless otherwise specified by the County, the bidder shall unconditionally guarantee the materials and workmanship for one (1) year on all material and/or services. If, within the guarantee period, any defects occur which are due to faulty material and or services, the contractor at his expense, shall repair or adjust the condition, or replace the material and/or services to the complete satisfaction of the County. These repairs, replacements or adjustments shall be made only at such time as will be designated by the County as being least detrimental to the operation of County business.
- 2.8 **Liability Provisions:** Where bidders are required to enter or go onto Chatham County property to take measurements or gather other information in order to prepare the bid or proposal as requested by the County, the bidder shall be liable for any injury, damage or loss occasioned by negligence of the bidder, his agent, or any person the bidder has designated to prepare the bid and shall indemnify and hold harmless Chatham County from any liability arising therefrom. The contract document specifies the liability provisions required of the successful bidder in order to be awarded a contract with Chatham County.
- 2.9 Cancellation of Contract: The contract may be canceled or suspended by Chatham County in whole or in part by written notice of default to the Contractor upon non-performance or violation of contract terms. An award may be made to the next low bidder, for articles and/or services specified or they may be purchased on the open market and the defaulting Contractor (or his surety) shall be liable to Chatham County for costs to the County in excess of the defaulted contract prices. See the contract documents for complete requirements.
- 2.10 **Patent Indemnity:** Except as otherwise provided, the successful bidder agrees to indemnify Chatham County and its officers, agents and employees against liability, including costs and expenses for infringement upon any letters patent of the United States arising out of the performance of this Contract or out of the use or disposal for the account of the County of supplies furnished or construction work performed hereunder.
- 2.11 **Certification of Independent Price Determination:** By submission of this bid, the bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, that in connection with this procurement:
  - (1) The prices in this bid have been arrived at independently, without consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor;
  - (2) Unless otherwise required by law, the prices which have been quoted in this bid have

- not been knowingly disclosed by the bidder and will not knowingly be disclosed by the bidder prior to opening, directly or indirectly to any other bidder or to any competitor; and
- (3) No attempt has been made or will be made by the bidder to induce any other person or firm to submit or not be submit a bid for the purpose or restricting competition.
- 2.12 **Award of Contract:** The contract, if awarded, will be awarded to that responsible bidder whose bid/proposal will be most advantageous to Chatham County, price and other factors considered. The Board of Commissioners will make the determination as to which bid or proposal that serves as the best value to Chatham County.
- 2.13 **Procurement Protests:** Objections and protests to any portion of the procurement process or actions of the County staff may be filed with the Purchasing Agent for review and resolution. The <u>Chatham County Purchasing Procedures Manual</u>, Article IX Appeals and Remedies shall govern the review and resolution of all protests.
- 2.14 Qualification of Business (Responsible Bidder or Proposer): A responsible bidder or proposer is defined as one who meets, or by the date of the bid acceptance can meet, certifications, all requirements for licensing, insurance, and registrations, or other documentation required by the Design Professional engaged to develop Scope of Work, specifications and plans. These documents will be listed in the Special Conditions further on in this solicitation. Chatham County has the right to require any or all bidders to submit documentation of the ability to perform, provide, or carry out the service or provide the product requested.

Chatham County has the right to disqualify the bid or proposal of any bidder or proposer as being unresponsive or unresponsible whenever such bidder/proposer cannot document the ability to deliver the requested product.

2.15 Chatham County Tax Certificate Requirement: A current Chatham County Tax Certificate is required unless otherwise specified. Please contact the Building Safety and Regulatory Services at (912) 201-4300 for additional information.

**NOTE**: No contract shall be awarded unless all real and personal property taxes have been paid by the successful contractor and/or subcontractors as adopted by the Board of Commissioners on 8 April 1994.

2.16 Insurance Provisions, General: The selected contractor shall be required to procure and maintain for the duration of the contract insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by the Contractor, his agents, representatives, employees or subcontractors. The cost of such insurance shall be included in the Bid.

It is every contractor's responsibility to provide the County Purchasing and Contracting

<u>Division current and up-to-date Certificates of Insurance for multiple year contracts before the end of each term.</u>

Failure to do so may be cause for termination of contract.

### 2.16.1 General Information that shall appear on a Certificate of Insurance:

- I. Name of the Producer (Contractor's insurance Broker/Agent).
- II. Companies affording coverage (there may be several).
- III. Name and Address of the Insured (this should be the Company or Parent of the firm Chatham County is contracting with).
- IV. A Summary of all current insurance for the insured (includes effective dates of coverage).
- V. A brief description of the operations to be performed, the specific job to be performed, or contract number.
- VI. Certificate Holder (This is to always include Chatham County).

Chatham County as an Additional Insured: Chatham County invokes the defense of sovereign immunity. In order not to jeopardize the use of this defense, the County is not to be included as an Additional Insured on insurance contracts.

### 2.16.2 Minimum Limits of Insurance to be maintained for the duration of the contract:

- a. Commercial General Liability: Provides protection against bodily injury and property damage claims arising from operations of a Contractor or Tenant. This policy coverage includes: premises and operations, use of independent contractors, products/completed operations, personal injury, contractual, broad form property damage, and underground, explosion and collapse hazards. Minimum limits: \$1,000,000 bodily injury and property damage per occurrence and annual aggregate.
- b. Worker's Compensation and Employer's Liability: Provides statutory protection against bodily injury, sickness or disease sustained by employees of the Contractor while performing within the scope of their duties. Employer's Liability coverage is usually included in Worker's Compensation policies, and insures common law claims of injured employees made in lieu of or in addition to a Worker's Compensation claim. Minimum limits: \$500,000 for each accident, disease policy limit, disease each employee and Statutory Worker's Compensation limit.
- c. **Business Automobile Liability:** Coverage insures against liability claims arising out of the Contractor's use of automobiles. Minimum limit: \$1,000,000 combined single limit per accident for bodily injury and property damage. Coverage should be written on an Any Auto basis.

### 2.16.3 Special Requirements:

- a. Claims-Made Coverage: The limits of liability shall remain the same as the occurrence basis, however, the Retroactive date shall be prior to the coincident with the date of any contract, and the Certificate of Insurance shall state the coverage is claims-made. The Retroactive date shall also be specifically stated on the Certificate of Insurance.
- b. **Extended Reporting Periods**: The Contractor shall provide the County with a notice of the election to initiate any Supplemental Extended Reporting Period and the reason(s) for invoking this option.
- c. **Reporting Provisions:** Any failure to comply with reporting provisions of the policies shall not affect coverage provided in relation to this request.
- d. **Cancellation:** Each insurance policy that applies to this request shall be endorsed to state that it shall not be suspended, voided, or canceled, except after thirty (30) days prior to written notice by certified mail, return receipt requested, has been given to the County.
- e. **Proof of Insurance:** Chatham County shall be furnished with certificates of insurance and with original endorsements affecting coverage required by this request. The certificates and endorsements are to be signed by a person authorized by the insurer to bind coverage on its behalf. All certificates of insurance are to be submitted prior to, and approved by, the County before services are rendered. The Contractor must ensure Certificate of Insurance are updated for the entire term of the County.
- f. Insurer Acceptability: Insurance is to be placed with an insurer having an A.M. Best's rating of A and a five (5) year average financial rating of not less than V. If an insurer does not qualify for averaging on a five year basis, the current total Best's rating will be used to evaluate insurer acceptability.
- g. **Lapse in Coverage:** A lapse in coverage shall constitute grounds for contract termination by the Chatham County Board of Commissioners.
- h. **Deductibles and Self-Insured Retention**: Any deductibles or self-insured retention must be declared to, and approved by, the County. At the option of the County, either: the insurer shall reduce or eliminate such deductibles or self-insured retention as related to the County, its officials, officers, employees, and volunteers; or the Contractor shall procure a bond guaranteeing payment of related suits, losses, claims, and related investigation, claim administration and defense expenses.

### 2.16.4 Additional Coverage for Specific Procurement Projects:

a. Professional Liability: Insure errors or omission on behalf of architects,

engineers, attorneys, medical professionals, and consultants.

Minimum Limits:
Coverage Requirement:

\$1 million per claim/occurrence
If claims-made, retroactive date must precede
or coincide with the contract effective date or
the date of the Notice to Proceed. The
professional <u>must state</u> if tail coverage has
been purchased and the duration of the

coverage.

- b. Builder's Risk: (For Construction or Installation Contracts) Covers against insured perils while in the course of construction.

  Minimum Limits: All-Risk coverage equal 100% of contract value Coverage Requirements: Occupancy Clause permits County to use the facility prior to issuance of Notice of Substantial Completion.
- 2.17 **Compliance with Specification Terms and Conditions:** The Invitation to Bid, Legal Advertisement, General Conditions and Instructions to Bidders, Specifications, Special Conditions, Vendor's Bid, Addendum, and/or any other pertinent documents form a part of the bidders proposal or bid and by reference are made a part hereof.
- 2.18 **Signed Bid Considered Offer:** The signed bid shall be considered an offer on the part of the bidder, which offer shall be deemed accepted upon approval by the Chatham County Board of Commissioners, Purchasing Agent or his designee. In case of a default on the part of the bidder after such acceptance, Chatham County may take such action as it deems appropriate, including legal action for damages or lack of required performance.
- 2.19 **Notice to Proceed:** The successful bidder or proposer shall not commence work under this Invitation to Bid until a written contract is awarded and a Notice to Proceed is issued by the Purchasing Agent or his designee. If the successful bidder does commence any work or deliver items prior to receiving official notification, he does so at his own risk.
- 2.20 **Payment to Contractors:** Instructions for invoicing the County for products delivered to the County are specified in the contract document.
  - a. Questions regarding payment may be directed to the Finance Department at (912) 652-7900 or the County's Project Manager as specified in the contract documents.
  - b. Contractors will be paid the agreed upon compensation upon satisfactory delivery of the products or completion of the work as more fully described in the contract document.
  - c. Upon completion of the work or delivery of the products, the Contractor will

provide the County with an affidavit certifying all suppliers, persons or businesses employed by the Contractor for the work performed for the County have been paid in full.

- d. Chatham County is a tax exempt entity. Every contractor, vendor, business or person under contract with Chatham County is required by Georgia law to pay State sales or use taxes for products purchased in Georgia or transported into Georgia and sold to Chatham County by contract. Please consult the State of Georgia, Department of Revenue, Sales and Use Tax Unit in Atlanta (404) 656-4065 for additional information.
- 2.21 Owner's Rights Concerning Award: The Owner reserves the right, and sole and complete discretion to waive technicalities and informalities. The Owner further reserves the right, and sole and complete discretion to reject all bids and any bid that is not responsive or that is over the budget, as amended. In judging whether the bidder is responsible, the Owner will consider, but is not limited to consideration of, the following:
  - a. Whether the bidder or principals are currently ineligible, debarred, suspended, or otherwise excluded from bidding or contracting by any state or federal agency, department, or authority;
  - b. Whether the bidder or principals have been terminated for cause or are currently in default on a public works contract;
  - c. Whether the bidder can demonstrate a commitment to safety with regard to Workers' Compensation by having an experience Modification Rate (EMR) over the past three years not having exceeded an average of 1.2; and
  - d. Whether the bidder's past work provides evidence of an ability to successfully complete public works projects within the established time, quality, or cost, or to comply with the bidder's contract obligations; and
  - e. Whether the bidder has made a Good Faith Effort to meet local participation goals for local economic impact for Disadvantaged Business Enterprises and Small Business Enterprises.

### 2.22 Owner's Right to Negotiate with the Lowest Bidder:

In the event all responsive and responsible bids are in excess of the budget, the Owner, in its sole and absolute discretion and in addition to the rights set forth above, reserves the right either to (i) supplement the budget with additional funds to permit award to the lowest responsive and responsible bid, or (ii) to negotiate with the lowest responsive and responsible bidder (after taking all deductive alternates) only for the purpose of making changes to the Project that will result in a cost to the Owner that is within the budget, as it

may be amended.

### 2.23 Debarred or Suspended Subcontractors.

CONTRACTOR shall not subcontract, and shall ensure that no subcontracts are awarded at any tier, to any individual, firm, partnership, joint venture, or any other entity regardless of the form of business organization, that is on the Federal Excluded Parties List System (EPLS) at https://www.epls.gov or the State of Georgia, DOAS, State Purchasing Exclusion listing, or other local government entity. This includes pending litigation or claims with the County or other government entities. Contractor shall immediately notify County in the event any subcontractor is added to a Federal, State or other Government Entity listing after award of the subcontract.

### 2.24 Cone of Silence:

Lobbying of Procurement Evaluation Committee members, County Government employees, and elected officials regarding this product or service solicitation, Invitation to Bid (ITB) or Request for Proposal (RFP) or contract by any member of a proposer's staff, or those people employed by any legal entity affiliated with an organization that is responding to the solicitation is strictly prohibited. Negative campaigning through the mass media about the current service delivery is strictly prohibited. Such actions may cause your proposal to be rejected.

- 2.25 The Chatham County Board of Commissioners has adopted an aggressive program that establishes goals for minority/female, small and disadvantaged business participation in construction, professional services, and general procurement.
  - a. The Chatham County Board of Commissioners under Georgia law may reject any bid as non-responsive if they feel a bidder did not exercise "Good Faith Effort" in obtaining the goal established for M/WBE participation.
  - b. The Chatham County Board of Commissioners adopted a policy establishing goals oriented to increase participation of minority and female owned businesses, through MBE/WBE certification and development. In order to accurately document participation, businesses submitting bids, quotes or proposals are encouraged to report ownership status. A bidder or vendor that is certified by any agency of the Federal Government or State of Georgia may submit a copy of their certification with their bid as proof of qualifications. Bidders that intend to engage in joint ventures or utilize subcontractors must submit to the County Contracts Administrator, a report on Minority/Female Business Enterprise participation.

### Goals established for this project is 30% Combined.

c. A Minority/Female Business Enterprise (M/WBE) is a business concern that is at

least 51% owned by one or more minority/female individuals and whose daily business operations are managed and directed by one (1) or more of the minority/female owners.

- 2.26 **LIQUIDATED DAMAGES**: Failure to complete all work within 60 calendar days plus any extension authorized in writing by the County shall entitle the County to deduct as "Liquidated Damages" from the monies due the Contractor the amount of \$200 for each calendar day in excess of the authorized construction time.
- 2.26 Bidders or proposers are required to make a **Good Faith Effort**, where subcontracting is to be utilized in performing the contract, to subcontract with or purchase supplies from qualified M/WBEs. Bidders or proposers are required to state if they intend to subcontract any part of the work. Goals will be established for each contract at the onset. **Forms** requiring the signatures of bidders or proposers are enclosed as **Attachments** and must be completed and returned with your bid response. If forms are not completed and submitted, the bid may be considered <u>nonresponsive</u>.

Each bidder or proposer is required to maintain records of such efforts in detail adequate to permit a determination of compliance with these requirements. All contracts will reflect Good Faith Efforts and reporting requirements for the term of the contract. The County particularly urges general contractors to give emphasis to subcontracting with local area firms. For information on the program or M/WBE contractors/vendors please contact Connell C. Heyward, Chatham County Minority and Women Business Coordinator, 124 Bull Street, Suite 310, Savannah, Georgia 31401, (912) 652-7828 phone, or (912) 652-7951 fax. Email: <a href="mailto:cheyward@chathamcounty.org">cheyward@chathamcounty.org</a>

2.27 **GEORGIA OPEN RECORDS ACT** - The responses will become part of the County's official files without any obligation on the County's part. Ownership of all data, materials and documentation prepared for and submitted to Chatham County in response to a solicitation, regardless of type, shall belong exclusively to Chatham County and will be considered a record prepared and maintained or received in the course of operations of a public office or agency and subject to public inspection in accordance with the Georgia Open Records Act, Official Code of Georgia Annotated, Section 50-18-70, et. Seq., unless otherwise provided by law.

Responses to RFPs shall be held confidential from all parties other than the County until after the contract is awarded by the Board of Commissioners.

The vendor and their bid price in response to ITBs will be read allowed at public bid openings. After Bid Tabulations, the ITB shall be available for public viewing.

Chatham County shall not be held accountable if material from responses is obtained without the written consent of the vendor by parties other than the County, at any time during the solicitation evaluation process.

- 2.28 **GEORGIA TRADE SECRET ACT of 1990** In the event a Bidder/Proposer submits trade secret information to the County, the information must be clearly labeled as a Trade Secret. The County will maintain the confidentiality of such trade secrets to the extent provided by law.
- 2.29 **CONTRACTOR RECORDS** -The Georgia Open Records Act is applicable to the records of all contractors and subcontractors under contract with the County. This applies to those specific contracts currently in effect and those which have been completed or closed for up three (3) years following completion.
- 2.30 **REFERENCES \$500,000 or more:** For bidders to be responsive each must provide information on the most recent five (5) projects with similar scope of work as well as other information to determine experience and qualifications as follows:

a.	Project Name:
	Location:
	Owner:
	Address:
	City and State:
	Contact:
	Phone & Fax:
	*Architect or Engineer:
	Contact:
	Phone & Fax:
b.	The awarded bid amount and project start date.
	nal cost of project and completion date.
	imber of change orders.
	ntracted project completion in days.
	oject completed on time. Yes No Days exceeded
	st previous contracts your company performed for Chatham County by Project Title, date
	and awarded/final cost.
На	s contractor ever failed to complete a project? If so, provide explanation.
На	ve any projects ever performed by contractor been the subject of a claim or lawsuit by or
	against the contractor? If yes, please identify the nature of such claim or lawsuit,
	the court in which the case was filed and the details of its resolution.

\$499,000 and less: Provide references from owners of at least three (3) projects of various sizes. Include government owners if possible. If the contractor has performed any work for the Chatham County Board of Commissioners within the last five (5) years, at least one (1) of the three (3) owner references must be from the appropriate party within the Chatham County Government. Provide in the format as in (a) above on the attached form.

Failure to provide the above information may result in your firm's bid being rejected and ruled as non-responsive.

NOTE: FORMS FOR YOU TO FILL OUT FOR YOUR REFERENCES ARE ATTACHED TO THE BACK OF THIS BID PACKAGE.

### ADDITIONAL CONDITIONS

3.1 <u>METHOD OF COMPENSATION</u>. The compensation provided for herein shall include all claims by the CONTRACTOR for all costs incurred by the CONTRACTOR in the conduct of the Project as authorized by the approved Project Compensation Schedule and this amount shall be paid to the CONTRACTOR after receipt of the invoice and approval of the amount by the COUNTY. The COUNTY shall make payments to the CONTRACTOR within thirty (30) days from the date of receipt of the CONTRACTOR's acceptable statement on forms prepared by the CONTRACTOR and approved by the COUNTY.

Should the Project begin within any one month, the first invoice shall cover the partial period from the beginning date of the Project through the last day of the month (or on a mutually agreeable time) in which it began. The invoices shall be submitted each month until the Project is completed. Invoices shall be itemized to reflect actual expenses for each individual task; also refer to the requirements concerning changes, delays and termination of work under Sections I-8, 9, and 10 of the contract. Each invoice shall be accompanied by a summary progress report which outlines the work accomplished during the billing period and any problems that may be inhibiting the Project execution. The terms of this contract are intended to supersede all provisions of the Georgia Prompt Pay Act.

As long as the gross value of completed work is less than 50% of the total contract amount, or if the contractor is not maintaining his construction schedule to the satisfaction of the engineer, the County shall retain 10% of the gross value of the completed work as indicated by the current estimate approved by the engineer.

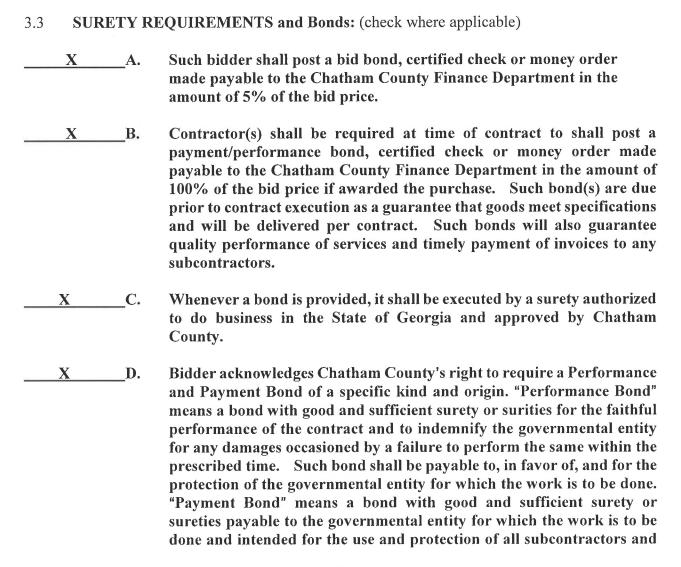
After the gross value of completed work becomes to or exceed 50% of the total contract amount within a time period satisfactory to the County, then the total amount to be retained may be reduced to 5% of the gross value of the completed work as indicated by the current estimate approved by the engineer, until all pay items are substantially completed.

When all work is completed and time charges have ceased, pending final acceptance and final payment the amount retained may be further reduced at the discretion of the County.

The CONTRACTOR may submit a final invoice to the County for the remaining retainage

upon COUNTY'S acceptance of the Certificate of Substantial Completion. Final payment constituting the entire unpaid balance due shall be paid by the COUNTY to the

CONTRACTOR when work has been fully completed and the contract fully performed, except for the responsibilities of the CONTRACTOR which survive final payment. The making of final payment shall constitute a waiver of all claims by Chatham County except those arising from unsettled liens, faulty or defective work appearing after substantial completion, failure of the work to comply with the requirements of the Contract Documents, or terms of any warranties required by the Contractor Documents or those items previously made in writing and identified by the COUNTY as unsettled at the time of final application for payment. Acceptance of final payment shall constitute a waiver of all claims by the CONTRACTOR, except those previously made in writing and identified by the CONTRACTOR as unsettled at the time of final application for payment.



all persons supplying labor, materials, machinery, and equipment in the prosecution of the work provided for in the public works construction contract.

X E. Forfeit the amount of the Bid Bond if he/she fails to enter into a contract with Chatham County to do and/or furnish everything necessary to provide service and/or accomplish the work stated and/or specified in this bid proposal for the bid amount.

### 3.4 WARRANTY REQUIREMENTS:

- a. Provisions of item 2.7 apply.
- b. Warranty required.
- X 1. Standard warranty shall be offered with bid.
  - 2. Extended warranty shall be offered with bid. The cost of the extended warranty will be listed separately on the bid sheet.
- 3.5 **TERMS OF CONTRACT:** (check where applicable):
  - a. Annual Contract (With automatic renewal options for four (4) additional one (1) year terms if all parties agree)
  - b. One-time Purchase
- X c. Other **ONE TIME CONTRACT**

### 3.6 AUDITS AND INSPECTIONS:

At any time during normal business hours and as often as the County may deem necessary, the Contractor and his subcontractors shall make available to the County and/or representatives of the Chatham County Department of Internal Audit for examination of all its records with respect to all matters covered by this Contract. It shall also permit the County and/or representatives of the Department of Internal Audit to audit, inspect, examine and make copies, excerpts or transcripts from such records of personnel, conditions of employment and other data relating to all matters covered by this Contract. All documents to be audited shall be available for inspection at all reasonable times in the main offices of the County or at the offices of the Contractor as requested by the County.

REPORT BETWEEN PROSPECTIVE OFFERORS AND PERSONS OUTSIDE THE CHATHAM COUNTY PURCHASING OFFICE WILL NOT BE CONSIDERED OFFICIAL OR BINDING UNLESS OTHERWISE SPECIFICALLY AUTHORIZED WITHIN THIS DOCUMENT.

The undersigned bidder or proposer certifies that he/she has carefully read the preceding list of instructions to bidders and all other data applicable hereto and made a part of this invitation; and, further certifies that the prices shown in his/her bid/proposal are in accordance with all documents contained in this Invitation for Bids/ Proposals package, and that any exception taken thereto may disqualify his/her bid/proposal.

This is to certify that I, the undersigned bidder, have read the instructions to bidder and agree to be bound by the provisions of the same.

This	day of	20
BY		
	SIGNATU	RE
	TITLE	
2	COMPAN	NY
-	Phone / Fay No's / e-m	nail

### CHATHAM COUNTY, GEORGIA SURETY REQUIREMENTS

A Bid Bond for five percent (5%) of the amount of the bid <u>is</u> required to be submitted with each bid.

A Performance Bond for one hundred percent (100%) of the bid **shall** be required of the successful bidder.

The Bidder certifies that he/she has examined all documents contained in this bid package, and is familiar with all aspects of the proposal and understands fully all that is required of the successful bidder. The Bidder further certifies that his/her bid shall not be withdrawn for thirty (30) days from the date on which his bid is publicly opened and read.

The Bidder agrees, if awarded this bid, he/she will:

- A. Furnish, upon receipt of an authorized Chatham County Purchase Order, all items indicated thereon as specified in this bid proposal for the bid amount, or;
- B. Enter a contract with Chatham County to do and/or furnish everything necessary to provide the service and/or accomplish the work as stated and/or specified in this bid proposal for the bid amount, and;
- C. Furnish, if required, a Performance Bond, and acknowledges Chatham County's right to require a Performance Bond of a specific kind and origin, and;
- D. Forfeit the amount of the Bid Bond if he/she fails to enter a contract with Chatham County as stated in (B) above, within fifteen (15) days of the date on which he/she is awarded the bid, and/or:
- E. Forfeit the amount of the Performance Bond if he/she fails to execute and fulfill the terms of the contract entered. The amount of forfeiture shall be:
  - 1. The difference between his/her bid and the next lowest, responsible bid that has not expired or been withdrawn, or;
  - 2. The difference between his/her bid and the amount of the lowest, responsible bid received as a result of rebidding, including all costs related to rebidding.

COMPANY	DATE
SIGNATURE	TITLE
TELEPHONE NUMBER	

### **PROPOSAL**

### **SPECIFICATIONS FOR:**

BID NO. 15-0104-4

### PAVEMENT RESURFACING AND IMPROVEMENTS - 2015 SECOND LETTING

This work will consist of furnishing all materials, lobor and equipment for:

The resurfacing of nine County roads including Crossover Lane, Golden Isles Way, Hampshire Road, Off Shore Road, Old Dock Road, Olde Towne Road, Penn Waller Road, Rivirside Drive, and Teakwood Drive. The resurfacing of Corssover Lane will include placing full width fabric. Work will also include grading shoulders on Golden Isles Way, Penn Waller Road and Riverside Drive as well as all milling, signage, striping, audible pedestrian signals and miscellaneous concrete work specified in this proposal

The General Contractor, allong with any subcontractors shall be registered by GDOT at the time of the bid opening. All subcontractors shall be listed in the bid package or approved by the County in writing prior to performing work on the project.

Typical sections, plan sheets and a location map are included in this ITB. No additional drawings are available.

This shall be a Line Item contract.

### **COMMENCEMENT AND COMPLETION:**

WORK SHALL BEGIN WITHIN 10 DAYS AFTER RECEIPT OF "NOTICE TO PROCEED". ALL WORK SHALL BE COMPLETED WITHIN  $\underline{60}$  CALENDAR DAYS AFTER THE TEN DAY PERIOD.

# Resurfacing 2015 2nd Let BID SHEET

			Est.		
Item No.	Description	Unit	Quantity	Unit Price	Total
150-1000	TRAFFIC CONTROL	LS	1		
163-0232	TEMPORARY GRASSING	AC	2.5		
163-0240	MULCH	TN	15		
163-0529	CONSTRUCT AND REM. BALED STRAW CHECK DAM	LF	100		
171-0010	TEMPORARY SILT FENCE, TYPE A	LF	100		
210-0100	GRADING COMPLETE	LS	1		
231-1000	DEEP PATCHING	SY	25		
310-1101	GR AGGR BASE CRS, INCL MATL	TN	80		
	RECYCLED ASPH CONC LEVELING INCL. BITUM				
402-1812	MATL & H LIME	TN	100		
	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, TP 2,				
402-3103	GP 2 ONLY, INCL. BITUM MATL & H LIME	TN	2050		
	RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 1	<b>TN</b> 1	500		
402-3141	OR 2, INCL. BITUM MATL & H LIME RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1	TN	500		
402 2100	OR 2, INCL. BITUM MATL & H LIME	TN	50	12	
	BITUM TACK COAT	GL	3400		No.
	MILL ASPH CONC PVMT, VARIABLE DEPTH	SY	35200		
	CONC FLUME, GDOT STD 9013	LF	30		
	CONC SPILLWAY, TP 3	EA	1		
	CONC SWALE, 3 FT W X 6.5 IN D	LF	450		
	CONC SWALE, 3 FT W X 6.5 IN D	LF	55		
	CONC SWALL, 411 W X 6.5 IN D	SY	30		
	CONC CURB & GUTTER, 6 IN X 18 IN, TP 1	LF	30		
	CONC CURB & GUTTER, 6 IN X 18 IN, TP 2	LF	80		
	CONC CURB & GUTTER, 6 IN X 24 IN, TP 1	LF	20		
	PVMT REINF FABRIC FULL WIDTH, TYPE 2	SY	3050		
	ADJUST MANHOLE TO GRADE	EA	1		
	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING TP 9	SF	25		
030-1033	ILIGUAL SIGNS, IN LINATE, KELL SHEETING IN 9	J.	1 20		

			Est.		
Item No.	Description	Unit	Quantity	Unit Price	Total
636-2070	GALV STEEL POSTS, TP 7	LF	70		
647-6086	AUDIBLE PEDESTRIAN PUSHBUTTON	LS	1		
653-0120	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	EA	12		
653-1704	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	LF	510		
653-1804	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	LF	4500		
653-0230	THERMOPLASTIC PVMT MARKING, WORD, TP 3A	EA	2		
653-2501	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	LM	2.8		
653-2502	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOV	LM	0.4		
653-4501	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	GLM	0.2		
653-4502	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, YELLOW	GLM	1.1		
653-6004	THERMOPLASTIC TRAFFIC STRIPING, WHITE	SY	100		
654-1001	RAISED PVMT MARKER, TP 1	EA	100		
654-1002	RAISED PVMT MARKER, TP 2	EA	20		
654-1003	RAISED PVMT MARKER, TP 3	EA	70		
654-1011	BLUE RAISED PVMT MARKERS, TP 1	EA	12		
700-6910	PERMANENT GRASSING	AC	2.5		
700-7000	AGRICULTURAL LIME	TN	5		
700-7010	LIQUID LIME	GL	12		
700-8000	FERTILIZER MIXED GRADE	TN	2		

TOTAL	BID		

NAME / TITLE	
COMPANY	
ADDRESS	
PHONE / FAX NO's	
E-MAIL	

LIST OF SUBCONTRACTORS

PE OF WORK

# SPECIAL CONDITIONS Pavement Resurfacing and Improvements 2015 2nd Let

1. **DESCRIPTION OF WORK:** The work will consist of furnishing all materials, labor and equipment for:

The resurfacing of nine County roads including Crossover Lane, Golden Isles Way, Hampshire Road, Off Shore Road, Old Dock Road, Olde Towne Road, Penn Waller Road, Riverside Drive and Teakwood Drive. The resurfacing of Crossover Lane will include placing full width fabric. Work will also include grading shoulders on Golden Isles Way, Penn Waller Road and Riverside Drive as well as all milling, signage, striping, audible pedestrian signals and miscellaneous concrete work specified in this proposal.

All work under this contract shall be done in accordance with the 2013 edition of the Georgia Department of Transportation (GDOT) Standard Specifications, the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD), supplemental GDOT specifications, GDOT Standards and Details, and the following Shelf Special Provisions which are available on the GDOT website at <a href="https://www.dot.ga.gov/PS/Business/Source">www.dot.ga.gov/PS/Business/Source</a>; 150 – Traffic Control and 828 – Hot Mix Asphaltic Concrete Mixtures. The attached Special Provision for Prompt Payment as well as Details for concrete Curb and Gutter, Swales and Fillets will also apply.

Contract administration and inspection will be performed by County personnel.

All materials used in the process of completion of the work included in the contract shall be furnished from Georgia Department of Transportation certified suppliers only as per the GDOT Qualified Products List available on the website <a href="https://www.dot.ga.gov/PS/Materials/QPLCategories">www.dot.ga.gov/PS/Materials/QPLCategories</a>.

The Prime Contractor along with any subcontractors shall be registered by GDOT at the time of the bid opening. All subcontractors shall be listed in the bid package or approved by the County in writing prior to performing work on the project.

It is the responsibility of the bidder to carefully examine and fully understand the construction contract, plans and special provisions hereto attached and make a personal examination of the site of the proposed work, and satisfy him or herself as to the actual conditions and requirements of the work.

The bidder further agrees that the cost of any work performed, materials furnished, services provided, or expenses incurred, which are not specifically delineated in the contract documents but which are incidental to the scope, intent, and completion of the contract, will be deemed to have been included in the prices bid for the various items scheduled.

2. <u>COMMENCEMENT AND COMPLETION</u>: The Contractor shall agree to commence work under this contract within ten (10) working days after the Notice to Proceed is issued, and complete all work within <u>60</u> calendar days after the 10-day period. The Contractor shall work continuously on the project after the Notice to Proceed is issued.

- 3. MAINTENANCE: Once the Notice to Proceed has been issued, the Contractor is held responsible for all maintenance of the pavement within the project limits throughout the duration of the contract without exception. Contractor is also responsible for maintenance of all graded and grassed areas of the project until final acceptance.
- 4. <u>LIQUIDATED DAMAGES</u>: Failure to complete all work within 60 calendar days plus any extension authorized in writing by the County Engineer will entitle the County to deduct as "Liquidated Damages" from the monies due the Contractor the amount of \$200 for each calendar day in excess of the authorized construction time. The Georgia Department of Transportation schedule for liquidated damages will not be used.
- 5. **PRECONSTRUCTION CONFERENCE:** The Contractor shall attend a preconstruction conference prior to commencing any work.
- 6. **PAYMENT:** Quantities are approximate and payment will be for measurements of actual in-place work as per the plans and specifications. Any quantities exceeding the contract amount shall be approved in writing by the County Engineer prior to completion of the work. Payment will not be made for additional quantities without prior, written approval.
- 7. TRAFFIC CONTROL: All roads shall be open to traffic at all times. The Contractor shall be responsible for all traffic control, in accordance with the Manual on Uniform Traffic Control Devices, GDOT standards and Special Provision 150- Traffic Control. Lane closures shall be in compliance with GDOT Standard 9102. All contractor vehicles shall park on the same side of the road as the lane closure. Contractor vehicles and equipment shall not park on private property without consent of the owner. All costs associated with this work shall be included in the bid price for traffic control. A traffic control plan shall be submitted by the Contractor and approved by the County prior to beginning any work. Low and soft shoulder signs shall be installed on roads with shoulder work and maintained until project acceptance.
- 8. <u>INCIDENTAL ITEMS OF CONSTRUCTION:</u> The cost associated with any incidental items of construction in which no specific pay items are set up for shall be included in the overall cost of the project.
- 9. **PRECONSTRUCTION INSPECTION:** A preconstruction video, DVD or CD of photographs is required and shall be submitted to Chatham County Department of Engineering for approval prior to the start of work. Documentation shall record the existing condition of the roadway, driveways, signs, utilities and any other improvements within 20 feet of the pavement.
- 10. **BITUMINOUS TACK:** Only Asphalt Cement, performance grade PG 58-22, PG 64-22 or PG 67-22 will be allowed. Emulsified asphalt will not be used.
- 11. <u>LAYOUT OF THE WORK:</u> The requirements of Section 149 of the Georgia Department of Transportation standard specifications will apply. The Contractor shall layout his own construction survey work and be responsible for all measurements in connection therein. Some survey work will be required for installation of miscellaneous concrete work.
- 12. MILLED SURFACE RESTRICTION: Milled pavement on Hampshire Road shall be resurfaced within 48 hours. All other milled areas shall be resurfaced within seven (7) calendar days. Drainage inlets shall be protected during the milling operation to avoid milling debris

entering the structures. If any debris from the milling operation enters a drainage structure, the Contractor will be responsible for cleaning out the structure completely of any and all debris. Millings become the property of the Contractor.

- 13. <u>SAMPLING AND TESTING OF MATERIALS:</u> All sampling and testing services shall be performed by an independent testing agency accepted by the County Engineer, at the Contractor's expense. All sampling testing required for the project will be in accordance with the GDOT Sampling, Testing and Inspection Guidelines except as revised in the attached Special Provision Sampling and Testing of Materials. It is understood that these are the minimum testing requirements and that additional testing may be requested by the Engineer, as needed. A copy of all test reports shall be sent to the Project Manager and must be received prior to payment for the work. The cost associated with testing shall be included in the bid price for that item.
- 14. GRADED AGGREGATE BASE: The graded aggregate base (GAB) shall be granite only. Any GAB required to create a base if unsuitable materials are found will be paid for at the bid price for graded aggregate base. GAB quantities are set up for a bus stop on Penn Waller, driveways on Penn Waller and Riverside Drive, patching on Olde Towne Road and as needed.
- 15. **GRADING COMPLETE:** Grading Complete for this project should include but is not limited to: borrow material, hauling and placing or excavating material as needed, grading shoulders and driveways, adjusting water valves to grade, tree trimming as needed to allow for paving operations, cleaning gutters throughout the paving limits and other miscellaneous work as required. There are brick pavers near the entrance of Teakwood Drive which may require some repair. Existing railroad ties must be removed for installation of curb and gutter at the radius on Riverside Drive. After installation of the curb and gutter, new railroad ties, as provided by the property owner, must be installed for maintenance of the slope.

Some grading may require hand work around existing trees, landscaping and mailboxes. If mailboxes must be moved to complete shoulder work, the Contractor is responsible for removing and replacing them on the same day.

Shoulder building shall not begin until at least three days after the paving is complete. The Contractor will be responsible for removal and replacement of any damaged pavement surface as per GDOT specifications.

- 16. **DRIVEWAYS:** Existing gravel driveways shall be graded level and GAB added as needed for a firm base and to allow for 2 inches of asphalt 5 ft back from the edge of pavement. Existing asphalt and concrete driveways shall be cleaned, tacked and paved up to 5 feet back from the edge of pavement as necessary to provide a smooth transition and positive drainage.
- 17. **SAFETY EDGE:** A safety edge shall be constructed on Golden Isles Way, Penn Waller and Riverside Drive following GDOT Detail P-7.
- 18. **GRASSING:** Graded areas shall be stabilized daily with either grass or mulch. Grassing shall be installed within 7 days of disturbance. It will be the Contractors responsibility to maintain all areas until a final stand of grass is established and accepted. This includes watering, mowing, reseeding, additional applications of mixed grade fertilizer or other miscellaneous work

as related to maintenance of the grass as needed. The cost for this work shall be included in the bid price for temporary and permanent grassing.

- 19. PAVEMENT FABRIC: Pavement Fabric shall be from an approved source on the GDOT qualified products list. An equivalent fabric may be allowed only as approved in writing by the County Engineer. The Contractor shall be responsible for any and all testing required by the County to establish the acceptability of any alternate material. Installation shall be completed as per GDOT specifications and the manufacturer's installation guidelines. The Contractor preforming the work shall have a copy of the instructions with them on site. Fabric shall be installed one lane at a time. No traffic will be allowed to drive on the pavement fabric.
- 20. MISCELLANEOUS CONCRETE All concrete work shall be finished before the paving operation begins on said roads. The curb and gutter, swale and fillet shall be installed such that positive drainage is achieved. The curb and gutter, swale and fillets are to be constructed using GDOT standards or the details included in this proposal to best match existing.
- 21. <u>UTILITIES:</u> It shall be the Contractor's responsibility to coordinate with the utility companies and to protect the existing facilities to remain. The Contractor shall adhere to the call before you dig law by calling the underground protection center at Georgia 811.
- 22. <u>WATER:</u> All water used for construction shall be metered through an approved backflow prevention device and fire hydrant meter.
- 23. **PROPERTIES:** Contractor shall maintain access to adjacent properties at all times during construction. The Contractor shall be responsible for protecting all post mounted signs, mailboxes and other private property within the project limits.
- 24. <u>SIGNS:</u> Refer to 'Sign Replacement' listing in this proposal for signs to be replaced following GDOT details T-1 and T-3A and the Manual on Uniform Traffic Control Devices. Stop signs shall be replaced immediately after removal. All signs should be 30 in x 30 in. The old signs will become the property of the contractor and the cost of removal included in the bid price for the signs or grading complete.
- 25. **PRIME CONTRACTOR:** A qualified representative of the prime contractor shall be on site while any subcontractor is working on the project. If adequate management is not present to control the work, work will be suspended by County personnel until such time as the Contractors Superintendent is on-site and has adequately addressed any problems or concerns.
- 26. **DEEP PATCHING**: The bid price for this item to include all labor and equipment for the excavation and removal of a minimum of 4 inches to a maximum of 12 inches of existing materials, grading and compaction of subgrade. Contractor to replace existing materials with a combination of graded aggregate base and/or 19mm asphalt as determined on site in order to address areas of deficiency. The GAB and asphalt will be paid separately. Known locations include an area of 12' x 8' on Olde Towne Road where the base is failing and along about 25 ft of Riverside Drive where the pavement width is too narrow. There are several potholes on Teakwood and Off Shore Road which may require patching.
- 27. <u>AUDIBLE PEDESTRIAN PUSH BUTTONS</u>: Contractor to install Audible Pedestrian Push Buttons for three crossings at the intersection of Penn Waller and Johnny Mercer

Boulevard. This work includes all labor, materials and equipment to install six audible push buttons, a central control unit and voice message with road names. No signs are required. Shop drawings must be submitted and approved prior to beginning any work on site. Push buttons should not be installed for the crossing across Penn Waller Road on the south side of the intersection.

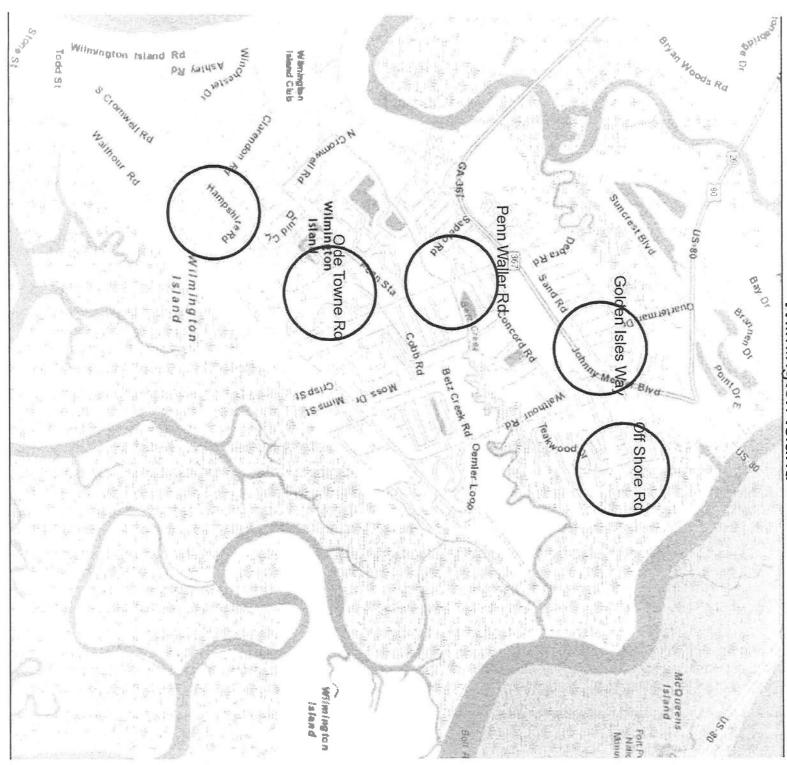
- 28. WORK HOURS: Contractor work hours shall be restricted to the daylight hours on week days unless specifically approved otherwise at least 48 hours in advance with the exception of work on Penn Waller Road.
- 29. <u>PENN WALLER ROAD:</u> Due to heavy volumes and school traffic on Penn Waller Road, work during week days is restricted to the hours between 9 am and 3 pm. Night or weekend work is acceptable for Penn Waller Road only.

A contract was awarded to Savannah Paving Company for construction of sidewalks, curb ramps, signs and other improvements on Penn Waller Road between Concord Road and Trafford Lane. Notice to Proceed was given for that work on August 31, 2015. Work is expected to be complete by November 9, 2015. If notice to proceed is given for this resurfacing work prior to completion of the sidewalk project, the Contractor must coordinate work with Savannah Paving Company to ensure that there are no conflicts.

Striping on Penn Waller includes thermoplastic to replace existing markings and to install crosswalks in the area of the sidewalk project as well as at the intersection of Penn Waller and Johnny Mercer Boulevard (three of four crossings). Plans for the sidewalk project that include the location of crosswalks are included in this bid package for your information. Stopbars will be required on side roads included in the resurfacing project beyond the limits of the sidewalk project.

- 30. **PROPOSAL INDEX**: This proposal includes the following attachments for your information:
  - Location Maps
  - Typical Sections
  - Road Listing
  - Turn Out Listing
  - Sign Replacement
  - Pavement Core Results
  - Special Provision for Prompt Payment
  - Special Provision for Sampling and Testing
  - Curb and Gutter Detail
  - Swale and Fillet Detail
  - A Summary of Quantities
  - Select Sheets for the Sidewalk Project

# Wilmington Island





0.325 0.65

Wiles

1.750 3.500

Feat

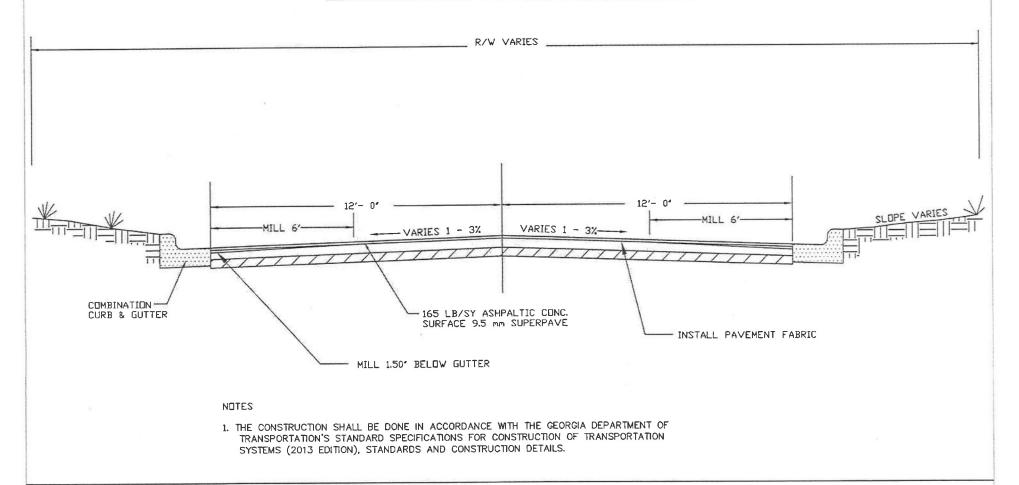
www.SAGII
Savannah Area Geographic Information System (SA

Sources: Earl, HERE, DeLorme, USGS, Intermap, Increment P Corp., NRCAN, Earl Jap. METI, Earl Chhina (Hong Kong), Earl (Thailand), Mapmylndie, Ø OpenStreetiMap contribut and the GIS User Community

WWW.SAC Sources, Esri, HERE, DeLoone, USGS, Internap, increment P Corp., NRCAN, Esri J. METI, Esti China Hford Kerg); Esri (Thalland), Mapmyindia, © OpenStreatMap contrib and the GIS User Community

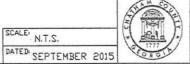
Savannah Area Geographic Information System (SA)

# TYPICAL SECTION 1

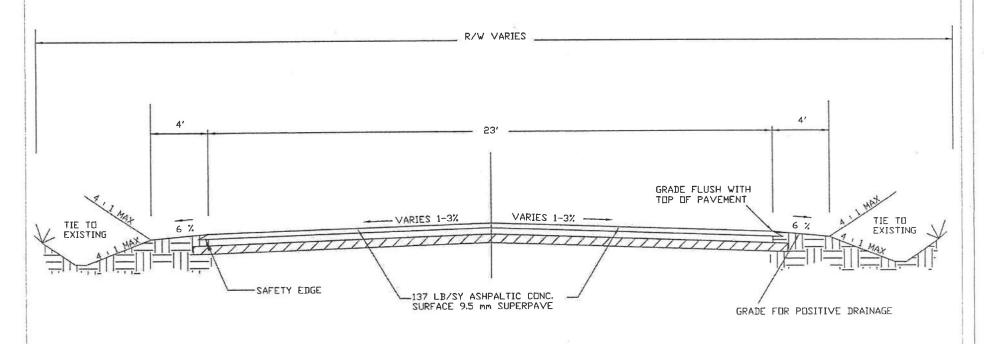


# CROSSOVER LANE RESURFACING

CHATHAM COUNTY
DEPARTMENT OF ENGINEERING



## TYPICAL SECTION 2

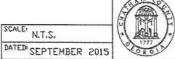


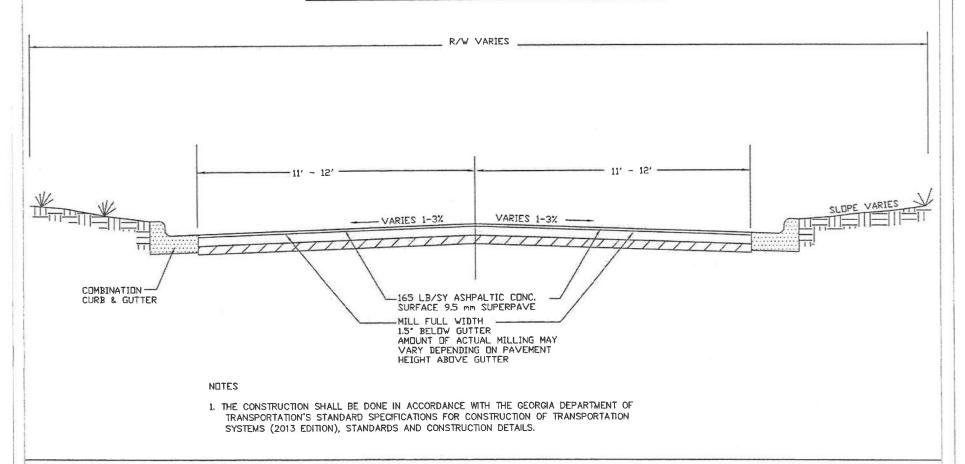
### NOTES

1. THE CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE GEORGIA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR CONSTRUCTION OF TRANSPORTATION SYSTEMS (2013 EDITION), STANDARDS AND CONSTRUCTION DETAILS.

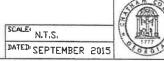
# GOLDEN ISLES WAY RESURFACING

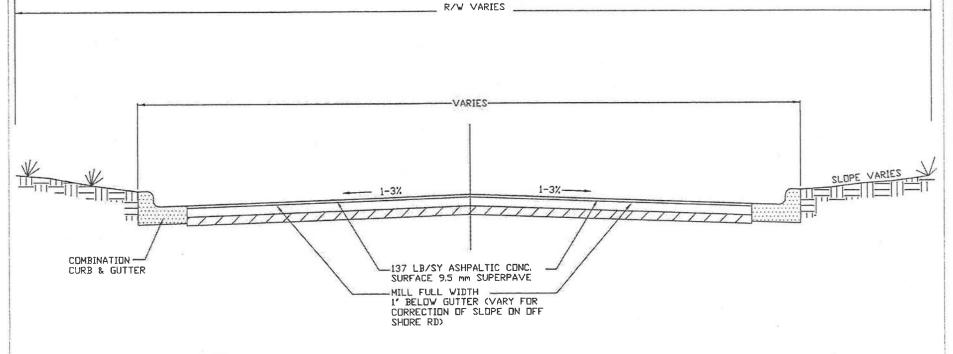
CHATHAM COUNTY
DEPARTMENT OF ENGINEERING





## HAMPSHIRE RD RESURFACING

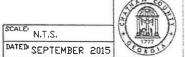




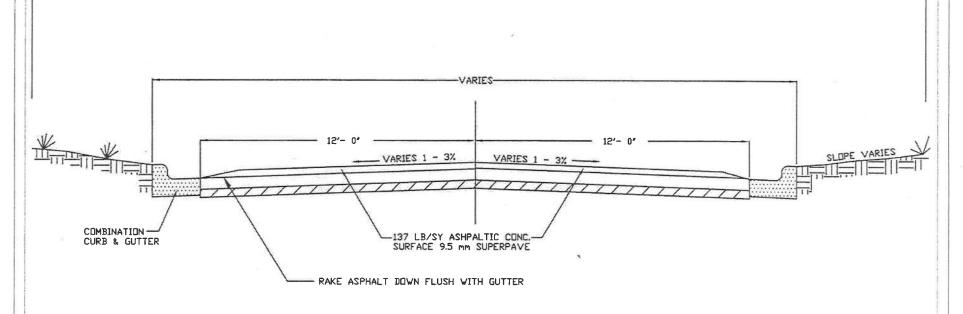
#### NOTES

1. THE CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE GEORGIA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR CONSTRUCTION OF TRANSPORTATION SYSTEMS (2013 EDITION), STANDARDS AND CONSTRUCTION DETAILS.

# OFF SHORE ROAD AND OLD DOCK ROAD RESURFACING



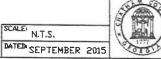
R/W VARIES

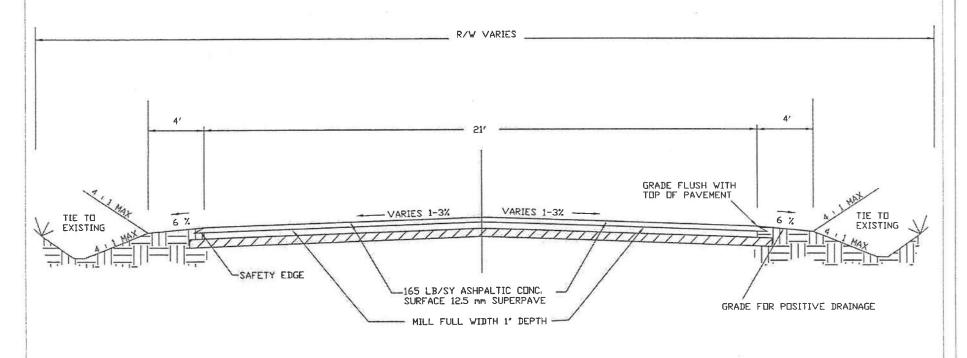


#### NOTES

 THE CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE GEORGIA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR CONSTRUCTION OF TRANSPORTATION SYSTEMS (2013 EDITION), STANDARDS AND CONSTRUCTION DETAILS.

# OLDE TOWNE ROAD AND TEAKWOOD DRIVE RESURFACING

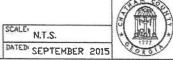


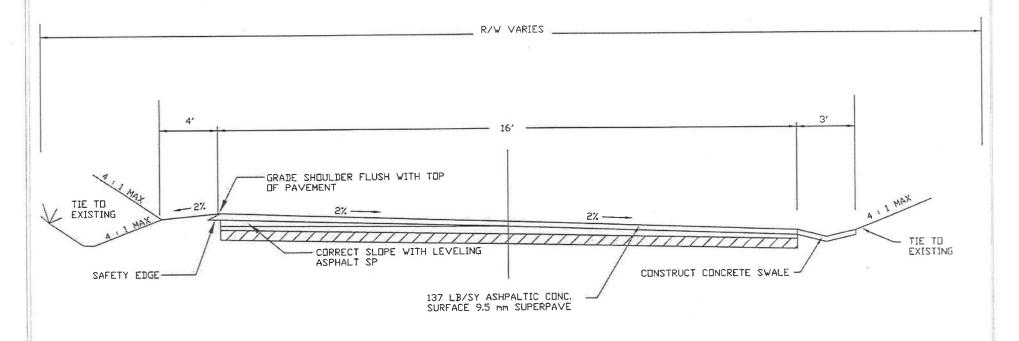


#### NOTES

 THE CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE GEORGIA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR CONSTRUCTION OF TRANSPORTATION SYSTEMS (2013 EDITION), STANDARDS AND CONSTRUCTION DETAILS.

# PENN WALLER ROAD RESURFACING

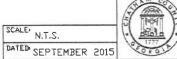




#### NOTES

 THE CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE GEORGIA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR CONSTRUCTION OF TRANSPORTATION SYSTEMS (2013 EDITION), STANDARDS AND CONSTRUCTION DETAILS.

## RIVERSIDE DRIVE RESURFACING



## RESURFACING 2015 2ND LET - ROAD LISTING

Road Name: Begin At: End At:	Crossover Ln Binnacle Ct Cul-de-Sac	Length (mi): Width (ft): Striping: Signs:	0.21 24.00 4 Stopbars None	Proposed Construction Replace broken curb and gutter at spillway & swales at Capstan Mill 6 ft each side at gutter Install pavement fabric Pave with 165 lb/sy 9.5mm SP
Road Name: Begin At: End At:	Golden Isles Way Quaterman Drive End	Length (mi): Width (ft): Striping: Signs:	0.25 23.0 5 Stopbars None	Adjust water valves in pvmt as needed Pave with 137 lb/sy of 9.5mm SP Grade Shoulders and grass
Road Name: Begin At: End At:	Hampshire Rd Jt 600 ft west of Steerforth End	Length (mi): Width (ft): Striping: Signs:	0.33 23.0 4 Stopbars 1 Stop & 1 Dead	Replace swale at Steerforth  Mill full width approx. 1.5 in down to base Pave with 165 lb/sy of 9.5mm SP  End
Road Name: Begin At: End At:	Off Shore Rd Hanging Moss Cul-de-Sac	Length (mi): Width (ft): Striping: Signs:	0.15 Varies, 21-30 None 1 Stop Sign	Replace broken curb and gutter at cul-de-sac Patch potholes as needed Mill full width, approx. 1 in, vary for slope Pave with 137 lb/sy of 9.5mm SP
Road Name: Begin At: End At:	Old Dock Rd End End	Length (mi): Width (ft): Striping: Signs:	0.17 23.0 3 Stopbars None	Replace broken swale at Jamaica Run & fillet at Green Turtle Mill full width approx. 1 in Pave with 137 lb/sy of 9.5mm SP

Road Name: Begin At: End At:	Olde Towne Rd Penn Waller Rd Farrington Ct	Length (mi): Width (ft): Striping: Signs:	0.40 24.0 4 Stopbars 1 New Post	Replace 13 ft broken curb & gutter at Gloucester Deep patch area 12 x 8 between Gloucester & Farrington Mill 6 ft ea side at gutters (contractors option) Pave with 137 lb/sy of 9.5mm SP
Road Name: Begin At: End At:	Penn Waller Rd 50ft South of Johnny Mercer Walthour Rd	Length (mi): Width (ft): Striping: Signs:	1.27 21.0 See sep. sheet None	Mill full width approx 1 in; place bus stop bay (See Turn Outs) Pave 165 lb/sy with 12.5mm SP incl. turnouts (see Turn Outs) Temporary stripe immediately - Thermo after 15 days Grade shoulders and grass
Road Name: Begin At: End At:	Riverside Dr. Penrose Dr. End	Length (mi): Width (ft): Striping: Signs;	0.10 16.0 1 Stopbar 1 Dead End	Survey and install concrete curb & gutter, swale & spillway Pave for superelevation with leveling asphalt Pave 137 lb/sy of 9.5mm SP for topping Grade shoulders and grass
Road Name: Begin At: End At;	<b>Teakwood Dr</b> Walthour Rd Runner Rd	Length (mi): Width (ft): Striping: Signs:	0.25 24.0 4 Stopbars None	Replace broken swale & fillet at Sapphire St. Repair brick pavers and patch poltholes as needed Pave 137 lb/sy with 9.5mm SP, rake down to gutter

\*

## Resurfacing 2015 2<sup>nd</sup> Let Turn Out Listing

### Crossover Lane

No side roads or drives to be paved.

## Golden Isles Way

No side roads to be paved. Driveways are all concrete and should be paved from one to five feet back from the edge of pavement to ensure a smooth transition and positive drainage.

### Hampshire Road

- 1. Talbot Street: Mill and inlay to the back of the radius.
- 2. Steerforth Road: Mill and inlay to the back of the radius on the side without a concrete swale,

#### Off Shore Road

No side roads or drives to be paved.

#### Old Dock Road

1. Cuttysark: Mill and inlay to the back of the radius.

#### OldeTowne Road

1. Gloucester Road: Pave to the back of the radius on both sides of Olde Towne Road.

#### Penn Waller Road

- 1. Bus Stop on Left: Excavate, grade and place 8 inches of GAB, 2.5 inches of 19mm binder and 1.5 inches of 12.5mm topping. Area is 133 SY with tapers 25ft and 75 ft in length, full width area 50 feet in length and 12 feet wide.
- 2. Traffod Lane/ The Oaks: Mill and inlay approximately 2 ft beyond edge of Penn Waller travel lane as needed for a smooth transition.
- 3. Olde Towne Road: The sidewalk project will alter the curb line in this area somewhat (See plans). Mill and inlay the acceleration and deceleration lanes and to the back of the radius at the intersection. Also mill and inlay approximately 12 feet from edge of Penn Waller travel lane back on the entrance road. Old Towne Road and entrance will be resurfaced as part of this contract without milling. Milling may be tapered and an asphalt joint created as necessary for a good tie-in. Ensure that areas adjacent to newly placed pedestrian ramps are milled and paved to match.
- 4. **Olde Towne Place**: Mill and inlay approximately 2 feet beyond edge of Penn Waller travel lane as needed for a smooth transition.
- 5. **Penn Station**: Mill and inlay entrance area at Penn Station. Stop at the existing pavement joint on Penn Station. Stop about 10 ft from the end of the curb and gutter at the driveway to the apartments. Also mill and inlay acceleration and deceleration lanes. Decel lane has minimal

- slope. Review this area prior to begin work to ensure positive drainage.
- 6. **Cobb Road**: Mill and inlay approximately 2 ft beyond edge of Penn Waller travel lane as needed for a smooth transition.
- 7. **Deerwood Road**: Mill and inlay approximately 2 ft beyond edge of Penn Waller travel lane as needed for a smooth transition.
- 8. S. Sheftall Circle: Mill and inlay approximately 2 ft beyond edge of Penn Waller travel lane as needed for a smooth transition.
- 9. N. Sheftall Circle: Mill and inlay north radius where asphalt is uneven. Area is approximately 60 SY. Approximately 40 ft of curb and gutter in this area may need to be replaced. Review and survey for positive drainage. Contractor to meet with Engineering Staff to determine extent of work. Mill and inlay approximately 2 ft beyond edge of Penn Waller travel lane as needed for a smooth transition for the remainder N. Sheftall Circle.
- 10. St. Andrews School Exit: Mill and inlay to include the patched area where pipe was installed, even with the back of the ditch.
- 11. St. Andrews School Entrance (South): Mill and inlay approximately 2 ft beyond edge of Penn Waller travel lane as needed for a smooth transition.
- 12. **St. Andrews School Entrance (North)**: Mill and inlay approximately 2 ft beyond edge of Penn Waller travel lane as needed for a smooth transition.
- 13. **Port Royal Drive**: Mill and Inlay to the back of the radius, just before the flumes on each side (approximately 23 ft from Penn Waller travel lane).
- 14. **Penn Waller Cove**: Mill and inlay approximately 2 ft beyond edge of Penn Waller travel lane as needed for a smooth transition.
- 15. Concord Road: Mill and inlay to the back of the radius.
- 16. Wassaw Road: Mill and inlay to the back of the radius.
- 17. Larbre Road: Mill and inlay even with the curb and gutter across the front of the median at the entrance of Larbre Road (approximately 21 ft from the Penn Waller travel lane).
- 18. Shopping Center Back Access: Mill and inlay approximately 2 ft beyond edge of Penn Waller travel lane as needed for a smooth transition.
- 19. **Shopping Center Main Access**: Mill and inlay approximately 2 to 3 ft beyond edge of Penn Waller travel lane even with curb and gutter across the front of median islands.
- 20. Church Driveway: Mill and Inlay acceleration and deceleration lanes as well as the

driveway to the right of way line (approximately 25 ft from the Penn Waller travel lane).

21. **Residential Driveways**: Pave the concrete (16) and asphalt (11) driveways up to 5 feet as needed for a smooth transition, match existing width. Grade gravel and dirt drives (7), add graded aggregate base course as needed to bring to grade and pave with 2 in of asphalt 5 ft back at a minimum width of 14 ft and a maximum width of 20 ft. If the existing dirt/ gravel driveway width is between 14 and 20 ft, match existing width.

## Riverside Drive

No side roads to be paved. There are approximately one asphalt, four gravel and four concrete driveways to be paved. Gravel driveways should be graded with GAB as needed and paved 5 ft back with 2 inches of asphalt. Concrete and asphalt drives should be paved from one foot up to the right of way line as needed for a smooth transition and positive drainage.

### Teakwood Drive

**Sapphire Road**: Pave asphalt area between concrete and brick pavers at the entrance. Rake asphalt down to match concrete and brick pavers.

## Resurfacing 2015 2<sup>nd</sup> Let Sign Replacement

Crossover Lane
No sign installation

Golden Isles Way
No sign installation

Hampshire Road

- 1. Replace the Stop sign (R1-1) and post at the southeast corner of the intersection of Hampshire Road and Steerforth Road (that is in the bushes).
- 2. Replace the Dead End sign (W14-1) and post on Hampshire Road.

Off Shore Road

1. Replace the Stop sign (R1-1) and post at Hanging Moss Road.

Old Dock Road
No sign installation

Olde Towne Road

1. Move the Do Not Enter sign onto a separate post where currently mounted on the same post as the Stop sign on Farrington Circle. The sign should be moved at least five feet away from the stop sign.

Penn Waller Road
No sign installation

Riverside Drive

1. Replace the No Outlet Sign with a Dead End sign (W14-1) and post on Riverside Drive.

<u>Teakwood Drive</u> No sign installation

#### **CORING-THICKNESS REPORT**

Report Number:

ES151154.0001

Service Date:

08/04/15

Report Date: Task:

08/21/15

## **Project**

Chatham County Coring

2201 Rowland Ave.

912-629-4000

Savannah, GA 31404

Various Roads

Savannah, GA

Project No.

#### Client

Chatham County Engineering Department

Attn: Pamela Bernard

P. O. Box 8161

124 Bull Street, Room 430 Savannah, GA 31412

Core	Location	Asphalt Thickness (in.)	Base Thickness (in.)
#1	Crossover Lane	1.62	4.22
#2	Old Dock Road	2.44	4.51
#3	Hampshire Road	1.48	4.42
#4	Teakwood Drive	1.68	-
#5	Off Shore Road	3.48	1.94
#6	Off Shore Road	307	2.97
#7	Penn Waller Road	3.25	6.82
#8	Penn Waller Road	4.07	8
#9	Old Towne Road	1.82	~
#10	Old Towne Road	1.66	4.17

Services:

Terracon Rep:

Joshua Williams

Reported To: Contractor:

Report Distribution

(1) Chatham County Engineering Department, Pamela

Kevin Luidhardt Staff Engineer

The tests were performed in general accordance with applicable ASTM, AASHTO, or DOT test methods. This report is exclusively for the use of the client indicated above and shall not be reproduced except in full without the written consent of our company. Test results transmitted herein are only applicable to the actual samples tested at the location(s) referenced and are not necessarily indicative of the properties of other apparently

# SPECIAL PROVISION PROMPT PAYMENT

Prime Contractors, who sublet a portion of their work, shall pay their subcontractors for satisfactory performance of their contracts no later than ten calendar days from receipt of each payment made to them.

Any delay or postponement of payment among the parties may take place only for good cause with prior written approval from the County.

If the contractor is found to be in noncompliance with these provisions, it shall constitute a breach of contract and further payments for any work performed may be withheld until corrective action is taken. If corrective action is not taken, it may result in termination of the contract.

All subcontract agreements shall contain this requirement.

# CHATHAM COUNTY, GEORGIA SPECIAL PROVISION SAMPLING AND TESTING OF MATERIALS

All sampling and testing services shall be performed by an independent testing agency which operates in accordance to ASTM D3470 and E329, latest edition, and accepted by the County Engineer, at the contractor's expense. All sampling and testing will be in accordance with the Georgia Department of Transportation Standard Specifications and Sampling, Testing and Inspection Guide except as modified here. It should be understood that these are minimum requirements and that additional testing may be requested by the Engineer as needed. A copy of all test reports shall be sent to the Engineer. The cost associated with testing should be included in the bid price for that item.

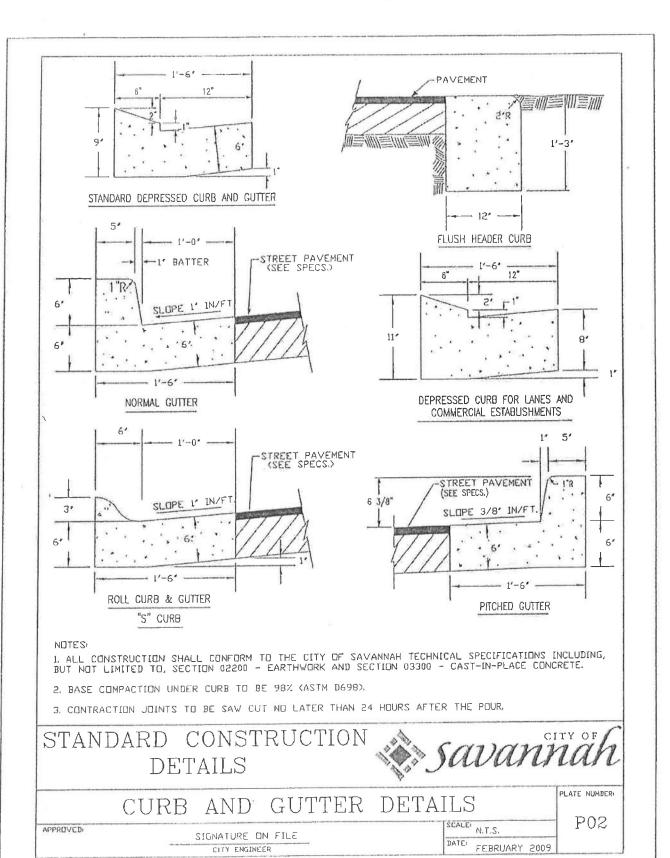
Section 208 Embankment- One sample per major soil type shall be taken to ensure that the material meets the requirement for Class IIB3 or better soils as per GDOT Standard Specification 810.2.01. One in-place density test shall be taken per area of embankment constructed at one time on every other lift, or every 2,000 cubic yards, whichever is less. Required compaction is a minimum of 95% of the maximum dry density and optimum moisture content as determined by the testing agency. Any areas that fail a compaction test must pass a retest prior to any additional embankment being placed at that location. Testing as per GDT 7, 20, 21, 24a, 24b, 59, 67.

Section 209 Subgrade - One in-place density test shall be taken per every 2,500 square yards or for each section set up at one time, of subgrade under the pavement. Subgrade testing under miscellenous concrete or shoulders shall be at intervals of no less than 500 ft for each section set up at one time. Compaction shall be a minimum of 100% of maximum dry density and optimum moisture content as determined by the testing agency. Any areas that fail a compaction test must pass a retest prior to placement of base course. The subgrade shall be proof rolled with a loaded dump truck and approved by the Engineer prior to placement of any base course. Testing as per GDT 7, 20, 24a, 24b, 59, 67.

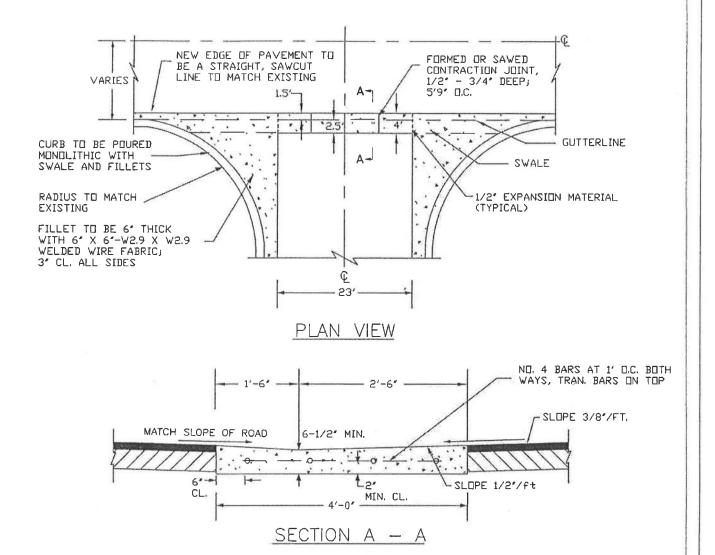
Section 310 Graded Aggregate Construction - One thickness measurement and one in-place density test per 1,000 linear feet, maximum 24 foot width, for each section set up at one time. Sections over 8 inches in depth will require testing in two lifts. A proof roll with a loaded dump truck may be required by the Engineer prior to placement of any asphalt or bituminous prime coat. Testing as per GDT 21,59.

<u>Section 400 & 402 Hot Mix Asphalt Construction</u> - The contractor shall be responsible for comparison testing and quality assurance according to GDOT Standard Specification 400.3.06.A. 3.4. and compaction testing according to GDOT Standard Specification 400.3.06.B.

<u>Section 441 Miscellaneous Concrete</u> - One set of test cylinders per each 100 cumulative cubic yards or one set per week if placement is less than 100 cumulative cubic yards per week. Air and slump test are required when cylinders are made and as necessary to insure adequate control. Cylinders shall be tested at 28 days in accordance with ASTM C39.



CITY ENGINEER



NOTES:

- 1. COMPACT SUB-BASE TO 100% STANDARD (ASTM D-698).
- 2. CONCRETE IN THE ROW SHALL BE 4000PSI.
- 3. TIE STEEL AT EACH INTERSECTION ON THE OUTER EDGES AND AT EVERY OTHER INTERSECTION WITHIN THE MAT.
- 4. ALL PAVEMENT AND CONCRETE CUTS MUST BE STRAIGHT, SAWCUT LINES.

## CONCRETE SWALE WITH FILLETS

CHATHAM COUNTY
DEPARTMENT OF ENGINEERING

DATED NOVEMBER 2014



## **ATTACHMENT A**

## DRUG - FREE WORKPLACE CERTIFICATION

THE UNDERSIGNED CERTIFIES THAT THE PROVISIONS OF CODE SECTIONS 50-24-1 THROUGH 50-24-6 OF THE OFFICIAL CODE TO GEORGIA ANNOTATED, RELATED TO THE \*\*DRUG-FREE WORKPLACE\*\*, HAVE BEEN COMPLIED WITH IN FULL. THE UNDERSIGNED FURTHER CERTIFIES THAT:

1.	A Drug-Free Workplace will be performance of the contract; and	provided for the employees during the	
2.	Each sub-contractor under the d following written certification:	rection of the Contractor shall secure the	
		(CONTRACTOR)	
certifies t	o Chatham County that a Drug-Fre	e Workplace will be provided for the employee	S
		n as procurement Pavement Resurfacing an	
		JECT) pursuant to paragraph (7) of subsection (	
of Code Se	ection 50-24-3. Also, the undersign wful manufacture, sale, distribution	ned further certifies that he/she will not engage, possession, or use of a controlled substance or erformance of the contract.	ir
CONTRAC	TOR	DATE	
JOTARY	9.	DATE	

## ATTACHMENT B

## PROMISE OF NON-DISCRIMINATION STATEMENT

Kno	ow All Men By These Presence, that I (We), _	
		Name
Title	le	Name of Bidder
	(herein after Company) in consideration of the Chatham County project procurement Paven Second Letting hereby consent,	nent Resurfacing and Improvements 2015
	No person shall be excluded from participation criminated against on the basis of race, color, not submitted to Chatham County or the performance.	ational origin or gender in connection with the
	That it is and shall be the policy of this Companies persons seeking to contract or otherwise impanies owned and controlled by racial minorit	nterested with the Company, including those
own	In connection herewith, I (We) acknowledge are of, understands and agrees to take affirmationed companies with the maximum practicable of this contract;	
(4) thro	That the promises of non-discrimination as noughout the duration of this contract with Chatle	
	That the promises of non-discrimination as nemed to be made a part of and incorporated by ray be awarded;	nade and set forth herein shall be and are hereby reference in the contract which this Company
the (	That the failure of this Company to satisfactor crimination as made and set forth above may contract to declare the contract in default and to the limited to termination of the contract.	onstitute a material breach of contract entitling
	Signature	Date

## ATTACHMENT C

## DISCLOSURE OF RESPONSIBILITY STATEMENT

Failure to complete and return this information will result in your bid/offer/proposal being disqualified from further competition as non-responsive.

List any convictions of any person, subsidiary, or affiliate of the company, arising obtaining, or attempting to obtain a public or private contract or subcontract, or in performance of such contract or subcontract.	
List any indictments or convictions of any person, subsidiary, or affiliate of this c for offenses such as embezzlement, theft, fraudulent schemes, etc. or any other of indicating a lack of business integrity or business honesty which affects the responsite the contractor.	ffenses
List any convictions or civil judgments under states or federal antitrust statutes.	
List any violations of contract provisions such as knowingly (without good cause perform, or unsatisfactory performance, in accordance with the specifications of a contract.	
List any prior suspensions or debarments by any governmental agency.	
List any contracts not completed on time.	
List any penalties imposed for time delays and/or quality of materials and workm	ıanshij
List any documented violations of federal or any state labor laws, regulations, or standards, occupational safety and health rules.	
2	

., as	
Name of individual	Title & Authority
of, declare under oath that	
Company Name	
the above statements, including any supplemental responses attached he	ereto, are true.
Signature	
State of	
County of	
Subscribed and sworn to before me on this day of	
20 by representing him/herself to be	
of the company named herein.	
Notary Public	
My Commission expires:	
Resident State:	

DPC Form #45

#### ATTACHMENT D

## CONTRACTOR AFFIDAVIT under O.C.G.A. § 13-10-91(b)(1)

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 <u>CHATHAM COUNTY</u> 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 O.C.G.A. § 13-10-91. Furthermore, the undersigned contractor will continue to use the federal work authorization program 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 O.C.G.A. § 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
Date of Authorization
Name of Contractor
Name of Project
Name of Public Employer
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:

## SUBCONTRACTOR AFFIDAVIT under O.C.G.A. § 13-10-91(b)(3)

By executing this affidavit, the undersigned 13-10-91, stating affirmatively that the indi		
physical performance of services under a co		(name of
contractor) on behalf of CHATHAM COU	NTV has registered with is authorized	
the federal work authorization program con		
replacement program, in accordance with the		
O.C.G.A. § 13-10-91. Furthermore, the ur		
federal work authorization program through		
subcontractor will contract for the physical		
contract only with sub-subcontractors who		
information required by O.C.G.A. § 13-10-		
will forward notice of the receipt of an affice		
five (5) business days of receipt. If the unc		
affidavit from any sub-subcontractor that has		
within five (5) business days of receipt, a co		
hereby attests that its federal work authoriz		
authorization are as follows:	ation user identification framoer and c	
authorization are as follows.		
Federal Work Authorization User Identifica	ation Number	
Date of Authorization		
Name of Subcontractor		
Name of Project		
Name of Public Employer		
I hereby declare under penalty of perjury th	nat the foregoing is true and correct.	
Executed on,, 201 in(	(city),(state).	
Signature of Authorized Officer or Agent		
Printed Name and Title of Authorized Office	cer or Agent	
	5	
SUBSCRIBED AND SWORN BEFORE MON THIS THE DAY OF		
	**************************************	
NOTARY PUBLIC		
My Commission Expires:		

#### ATTACHMENT E

## CHATHAM COUNTY, GEORGIA

## BIDDER'S CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

The undersigned certifies, by submission of this proposal or acceptance of this contract, that neither Contractor nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntary excluded from participation in this transaction by any Federal department or agency, State of Georgia, City of Savannah, Board of Education or local municipality. Bidder agrees that by submitting this proposal that Bidder will include this clause without modification in all lower tier transactions, solicitations, proposals, contracts and subcontracts. Where the Bidder or any lower tier participant is unable to certify to this statement, that participant shall attach an explanation to this document.

Bidder must verify Sub-Tier Contractors and Suppliers are not debarred, suspended, ineligible, pending County litigation or pending actions from any of the above government entities.

Certification - the above information is true and complet belief.	e to the best of my knowledge and
(Printed or typed Name of Signatory)	
(Signature)	
(Date)	
<b>NOTE:</b> The penalty for making false statements in offers is	prescribed in 18 U.S.C. 1001

END OF DOCUMENT Mod. CC P & C 6/2005

## ATTACHMENT F

## Chatham County Minority and Women Business Enterprise Program M/WBE Participation Report

Name of Bidder:					
Name of Project:		<u></u>	Bid No:		
M/WBE Firm	Type of Work	Contact Person/ Phone #	City, State	%	MBE or WBE
MDET	WDF T.A.	1 0/	M/WBE Comb	inad	0/
MBE Total The undersigned should for work listed in this so Board of Commissioner	enter into a formal agr hedule conditioned upo	eement with M/W	/BE Contractor ide	entified	herein
Signature		Print			
Phone ( )					

## ATTACHMENT G

## Systematic Alien Verification for Entitlements (SAVE) Affidavit Verifying Status for Chatham County Benefit Application

By executing this affidavit under oath, License or Occupation Tax Certificate, benefit as reference in O.C.G.A. Section bid for a Chatham County contract for person applying on behalf of individual	Alcohol License, Taxi Permit, Control on 50-36-1, I am stating the following	act or other public with respect to my . [Name of natural
1.) I an	n a citizen of the United States.	
OR		
2.) I am	a legal permanent resident 18 years of	of age or older.
OR		
immigrant under the Ferseq.) 18 years of age or  In making the above representa knowingly and willfully makes	an otherwise qualified alien (8 § USO deral Immigration and Nationality Ac older and lawfully present in the Unit tion under oath, I understand that any a false, fictitious, or fraudulent states a violation of Code Section 16-10-20	t (8 USC 1101 et led States.*  person who ment or representation
S	Signature of Applicant:	Date
	Printed Name:	9
SUBSCRIBED AND SWORN	*	
BEFORE ME ON THIS THEDAY OF, 20	Alien Registration number for	non-citizens.
Notary Public My Commission Expires:		

## **ATTACHMENT H**

**Chatham Apprentice Program Documentation** (must be submitted to Arneja Riley County MWBE Coordinator with 1<sup>st</sup> Pay Request)

Contractor	
Name of Project	
Contract No	
1) Contractor has contact CAP office to determine avail may be utilized for the project:	
Date of Inquiry	# of Available Participants
	Patricia de la companya del companya de la companya del companya de la companya d
2) Anticipated number of CAP students that will be hired	and related trade category:
#Trade	e Category
# Trade	e Category
# Trade	e Category
3) If CAP students are not anticipated to be hired for this explain.	project, the contractor must briefly

Any questions regarding the Construction Apprentice Program and available participant labor should be directed to Daniel Dodd-Ramirez at (912) 232-6747.

Project Name:
Location:
Owner:
Address:
City and State:
Contact:
Phone & Fax:
*Architect or Engineer:
Contact:
Phone & Fax:
Email:
The awarded bid amount and project start date  Final cost of project and completion date.  Number of change orders  Contracted project completion in days  Project completed on time. Yes No Days exceeded
List previous contracts your company performed for Chatham County by Project Title and awarded/final cost.  Has contractor ever failed to complete a project? If so, provide explanation. Have any projects ever performed by contractor been the subject of a claim or lawsuit against the contractor? If yes, please identify the nature of such claim explicit the court in which the case was filed and the details of its resolution.

a.	Project Name:
	Location:
	Owner:
	Address:
	City and State:
	Contact:
	Phone & Fax:
	*Architect or Engineer:
	Contact:
	Phone & Fax:
	Email:
c. d. e.	The awarded bid amount and project start date  Final cost of project and completion date.  Number of change orders  Contracted project completion in days  Project completed on time. Yes No Days exceeded
da h. i.	List previous contracts your company performed for Chatham County by Project Title te and awarded/final cost.  Has contractor ever failed to complete a project? If so, provide explanation. Have any projects ever performed by contractor been the subject of a claim or lawsuit or against the contractor? If yes, please identify the nature of such claim
or	lawsuit, the court in which the case was filed and the details of its resolution.

a.	Project Name:
	Location:
	Owner:
	Address:
	City and State:
	Contact:
	Phone & Fax:
	*Architect or Engineer:
	Contact:
	Phone & Fax:
	Email:
c. d. e.	The awarded bid amount and project start date  Final cost of project and completion date.  Number of change orders  Contracted project completion in days  Project completed on time. Yes No Days exceeded
	List previous contracts your company performed for Chatham County by Project
_	le, date and awarded/final cost.
h. i. law suc	Has contractor ever failed to complete a project? If so, provide explanation. Have any projects ever performed by contractor been the subject of a claim or suit by or against the contractor? If yes, please identify the nature of h claim or lawsuit, the court in which the case was filed and the details of its
resc	olution

a.	Project Name:
	Location:
	Owner:
	Address:
	City and State:
	Contact:
	Phone & Fax:
	*Architect or Engineer:
	Contact:
	Phone & Fax:
	Email:
b.	The awarded bid amount and project start date.
c.	Final cost of project and completion date.
d.	Number of change orders.
e.	Contracted project completion in days.
f.	Project completed on time. Yes No Days exceeded
	List previous contracts your company performed for Chatham County by Project Title
dat	te and awarded/final cost.
h.	Has contractor ever failed to complete a project? If so, provide explanation.
i.	Have any projects ever performed by contractor been the subject of a claim or lawsuit
by	or against the contractor? If yes, please identify the nature of such claim
or	lawsuit, the court in which the case was filed and the details of its resolution.

a.	Project Name:
	Location:
	Owner:
	Address:
	City and State:
	Contact:
	Phone & Fax:
	*Architect or Engineer:
	Contact:
	Phone & Fax:
	Email:
b.	The awarded bid amount and project start date
	Final cost of project and completion date.
	Number of change orders
e.	Contracted project completion in days.
f.	Project completed on time. Yes No Days exceeded
g.	List previous contracts your company performed for Chatham County by Project Title,
	te and awarded/final cost.
h.	Has contractor ever failed to complete a project? If so, provide explanation.
	Have any projects ever performed by contractor been the subject of a claim or lawsuit
by	or against the contractor? If yes, please identify the nature of such claim
or	lawsuit the court in which the case was filed and the details of its resolution.

## Sign below and submit this sheet with Bid

NOTE: All of the following items must be submitted with your Bid to be considered "responsive".

- 1. ACKNOWLEDGMENT OF ANY/ALL ADDENDUMS (Page 3 of ITB).
- 2. ORGINAL SURETY BOND (5% OF BID) ALONG WITH SURETY REQUIREMENTS SHEETS FILLED OUT.
- 3. BID SHEET COMPLETELY FILLED OUT AND SIGNED.
- 4. "LIST OF SUBCONTRACTORS" SHEET FILLED OUT WITH ALL SUBCONTRACTORS AND SUPPLIERS.
- 5. **"% TO MBE SUBCONTRACTORS/SUPPLIERS' SHEET** COMPLETELY FILLED OUT SHOWING \$ AMOUNT AS WELL AS % OF PROJECT THAT IS PROJECTED TO GO TO MBE/WBE SUBCONTRACTORS/SUPPLIERS.
- 6. SECTION 2.31 OF ITB **REFERENCES**: Read this section and submit the correct number of "References" (based on total dollar amount of project) Note: Supply <u>ALL</u> the information that is requested for each Reference. NOTE: Forms for Reference Information are attached to this Bid Package.
- 7. ALL FIRMS REQUESTING TO DO BUSINESS WITH CHATHAM COUNTY MUST REGISTER ON-LINE AT HTTP://PURCHASING.CHATHAMCOUNTY.ORG.
- 8. COMPLETE AND SUBMIT ALL ATTACHMENTS TO THE ITB (Attachments A thru H). D-2 IS TO BE FILLED OUT FOR EACH SUBCONTRACTOR.
- 9. SUBMIT PROOF OF REGISTRATION WITH GDOT (G/C & ALL SUBS.)

NAME/TILE		
COMPANY NAME		
ADDRESS	na di dina di di	
CITY/STATE/ZIP		
PHONE NUMBER		
FAX NUMBER		

# LEGAL NOTICE CC NO. 166251 Invitation to Bid

Sealed Bids will be received until 2:00 P.M. on OCTOBER 20, 2015 and publicly opened in Chatham County Purchasing & Contracting Department, at The Chatham County Citizens
Service Center, 1117 Eisenhower Drive, Suite C, Savannah, Georgia 31406, for: BID NO:
15-0104-4 PAVEMENT RESURFACING AND IMPROVEMENTS – 2015 SECOND
LETTING

PRE-BID CONFERENCE: Conference will be held <u>at the The Chatham County Citizens</u>
<u>Service Center, 1117 Eisenhower Drive, Suite C, Savannah, Georgia on OCTOBER 6, 2015, at 2:00 P.M.</u> You are encouraged to attend.

The Bid Package can be downloaded and printed from the County website <a href="http://purchasing.chathamcounty.org">http://purchasing.chathamcounty.org</a> Also, all firms requesting to do business with Chatham County must also register on-line at website: <a href="http://purchasing.chathamcounty.org">http://purchasing.chathamcounty.org</a>

For any additional questions regarding this bid, please contact Robert Marshall, Senior Procurement Specialist, at 912-790-1622.or <a href="marshall@chathamcounty.org">marshall@chathamcounty.org</a>

Bid Bond is required at the time of bid. (5% of total bid)
Payment and Performance Bonds (100% of bid) will be required for this project at the time of contract award.

CHATHAM COUNTY HAS THE AUTHORITY TO REJECT ALL BIDS AND WAIVE MINOR FORMALITIES.

"CHATHAM COUNTY IS AN EQUAL OPPORTUNITY EMPLOYER, M/F/H, ALL BIDDERS ARE TO BE EQUAL OPPORTUNITY EMPLOYERS"

MARGARET H.JOYNER, PURCHASING DIRECTOR

SAVANNAH NEWS/PRESS INSERT: SEP. 21, 2015 Please send affidavit to: Chatham County Purchasing & Contracting Department 1117 Eisenhower Drive, Suite C Savannah, Georgia 31406 (912) 790-1622

## RESURFACING 2015 2ND LET - SUMMARY OF QUANTITIES

ROADS		TOTAL	Crossover Ly	Colden lifes	Yennoshire O.33 nijire	Or Shore Ro	Old Dock Ro	Olde Towne	Penn Waller	Pinerside Or	Peakwood Dr. O. 25 Mi Dr.
PAY ITEMS	UNIT	QUANTITY	3030 SY	3700 SY	4700 SY	2215 SY	2435 SY	5600 SY	20430 SY	1100 SY	4000 SY
TEMPORARY GRASSING	AC	2.5		0.4					1.85	0.15	
MULCH	TN	15		2.5					11	1	
CONSTRUCT AND REM. BALED STRAW CHECK DAM	LF	100		30					30	30	
TEMPORARY SILT FENCE, TYPE A	LF	100		30					30	30	
GRADING COMPLETE	LS	1		Shoulders					shoulders, drives	shoulders, drives	
DEEP PATCHING	SY	25				1		12		10	2
GR AGGR BASE CRS, INCL MATL	TN	80						5	65	5	
RECYCLED ASPH CONC LEVELING INCL. BITUM MATL & H LIME	TN	100				·				62	
RECYCLED ASPH CONC 9.5 MM SUPERPAVE, TP 2, GP 2 ONLY, INCL. BITUM MATL & H LIME	TN	2050	(165 lb/sy <u>)</u> 250	(137 lb/sy) 254	(165 lb/sy) 388	(137 lb/sy) 152	(137 lb/sy) 168	(137 lb/sy) 385		(137 lb/sy) 76	(137 lb/sy) 275
RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 1 OR 2, INCL. BITUM MATL & H LIME	TN	500							(165 lb/sy) 472		
RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL. BITUM MATL & H LIME	TN	50							20	10	
BITUM TACK COAT	GL	3400	820	150	50	135	145	225	1225	110	160
MILL ASPH CONC PVMT, VARIABLE DEPTH	SY	35200	(6 ft o/s) 1478		(full w) 4700	(full w) 2215	(full w) 2435	(6 ft o/s) 3126	(full w) 20200		
CONC FLUME, GDOT STD 9013	LF	30			4					30	
CONC SPILLWAY, TP 3	EA	1								1	
CONC SWALE, 3 FT W X 6.5 IN D	LF	450	52							360	24
CONC SWALE, 4 FT-W X 6.5 IN D	LF	55		-	26		26				
CONC FILLET AT INTERSECTION, 6 IN DEPTH	SY	30					5				25
CONC CURB & GUTTER, 6 IN X 18 IN, TP 1	LF	30	12					13			
CONC CURB & GUTTER, 6 IN X 18 IN, TP 2	LF	80							40		
CONC CURB & GUTTER, 6 IN X 24 IN, TP 1	LF	20				10					
PVMT REINF FABRIC FULL WIDTH, TYPE 2	SY	3050	3030								
ADJUST MANHOLE TO GRADE	EA	1									

ROADS		TOTAL	Crossover In	Colden les	Vo.33 hije	Or Shore Ro	OH DOCK PO	Olde Poune	Penn Waller	Pinerside Dr.	Peakwood Dr. O. S. Mi. O.
HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING TP 9	SF	25			12.5	6.25				6.25	
GALV STEEL POSTS, TP 7	LF	70			28	14		14		14	
AUDIBLE PEDESTRIAN PUSHBUTTON	LS	1							1		
THERMOPLASTIC PVMT MARKING, ARROW, TP 2	EA	12							12		
THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	LF	510	48	68	48		40	60	145	12	72
THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	LF	4500							4500		
THERMOPLASTIC PVMT MARKING, WORD, TP 3A	EA	2							2		
THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	LM	2.8							2.8		
THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	LM	0.4							0.4		
THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	GLM	0.2							0.2		
THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, YELLOW	GLM	1.1							1.1		
THERMOPLASTIC TRAFFIC STRIPING, WHITE	SY	100							100		
RAISED PVMT MARKER, TP 1	EA	100							100		
RAISED PVMT MARKER, TP 2	EA	20							20		
RAISED PVMT MARKER, TP 3	EA	70							70		
BLUE RAISED PVMT MARKERS, TP 1	EA	12	2	2	1		1	1	3		1
PERMANENT GRASSING	AC	2.5		0.4					1.85	0.15	
AGRICULTURAL LIME	TN	5		0.8				=	3.7	0.3	
LIQUID LIME	GL	12		2					9	1	
FERTILIZER MIXED GRADE	TN	2		0.3					1.5	0.15	

