

INVITATION TO BID

BID NO. 20-0003-4

PAVEMENT REHABILITATION 2020 – 1ST LET

PRE-BID CONFERENCE: 2:00 PM, JANUARY 30, 2020

BID OPENING: 2:00 PM, FEBRUARY 13, 2020

THE COMMISSIONERS OF CHATHAM COUNTY, GEORGIA

ALBERT J. SCOTT, CHAIRMAN

COMMISSIONER HELEN J. STONE

COMMISSIONER TABITHA ODELL

COMMISSIONER JAMES J. HOLMES

COMMISSIONER JAMES “JAY” JONES

COMMISSIONER BOBBY LOCKETT

COMMISSIONER DEAN KICKLIGHTER

COMMISSIONER PATRICK J. FARRELL

COMMISSIONER CHESTER A. ELLIS

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.**

GENERAL INFORMATION AND INSTRUCTIONS TO BID WITH ATTACHMENTS

SURETY REQUIREMENTS - **A Bid Bond of 5% with this ITB.**

PROPOSAL

PLANS/SPECIFICATIONS – **There are no additional plans or specifications for this project.**

BID SCHEDULE

PERFORMANCE BOND – **Required at the time of contract.**

PAYMENT BOND – **Required at the time of contract.**

CONTRACT

LEGAL NOTICE

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,

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 _____

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: January 10, 2020

BID NO. 20-0003-4

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 Director, at **The Chatham County Citizens Service Center, 1117 Eisenhower Drive, Suite C, Savannah, Georgia 31406 up to 2:00PM local time, FEBRUARY 13, 2020,** 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 **Pre-bid Conference** has been scheduled to be conducted **ON-SITE** at **The Chatham County Citizens Service Center, 1117 Eisenhower Drive, Suite C, Savannah, Georgia on JANUARY 30, 2020, at 2:00 PM.,** to discuss the specifications and resolve any questions and/or misunderstanding that may arise. **You are strongly 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 Director 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 IS a Special Purpose Local Option Sales Tax (SPLOST) Project. See paragraph 2.25 for MBE/WBE participation goals.

INSTRUCTIONS TO BIDDERS

1.1 **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 Code of Chatham County, 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 duplicate 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.
- 1.13 **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 11 April 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 <http://www.dol.state.ga.us/spotlight/employment/rules>. You may go to <http://www.uscis.gov> 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.

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 sixty (60) 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 Chatham County Purchasing Procedures Manual, 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 irresponsible 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 Division current and up-to-date Certificates of Insurance for multiple year contracts before the end of each term. **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:

\$1 million per claim/occurrence

Coverage Requirement:

If claims-made, retroactive date must precede or coincide with the contract effective date or the date of the Notice to Proceed. The professional must state 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 **90** 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 **\$250** 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 nonresponsive.

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, 1117 Eisenhower Drive, Suite 101, Savannah, Georgia 31406, (912) 652-7828 phone, or (912) 652-7951 fax. Email: cheyward@chathamcounty.org**

- 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.
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, date 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 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 **METHOD OF COMPENSATION.** 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.

3.3 SURETY REQUIREMENTS and Bonds: (check where applicable)

- A. Such bidder shall post a bid bond, certified check or money order made payable to the Chatham County Finance Department in the amount of 5% of the bid price.
- B. Contractor(s) shall be required at time of contract to shall post a payment/performance bond, certified check or money order made payable to the Chatham County Finance Department in the amount of 100% of the bid price if awarded the purchase. Such bond(s) are due prior to contract execution as a guarantee that goods meet specifications and will be delivered per contract. Such bonds will also guarantee quality performance of services and timely payment of invoices to any subcontractors.
- C. Whenever a bond is provided, it shall be executed by a surety authorized to do business in the State of Georgia and approved by Chatham County.
- D. Bidder acknowledges Chatham County's right to require a Performance and Payment Bond of a specific kind and origin. "Performance Bond" means a bond with good and sufficient surety or surities for the faithful performance of the contract and to indemnify the governmental entity for any damages occasioned by a failure to perform the same within the prescribed time. Such bond shall be payable to, in favor of, and for the protection of the governmental entity for which the work is to be done. "Payment Bond" means a bond with good and sufficient surety or surities payable to the governmental entity for which the work is to be done and intended for the use and protection of all subcontractors and all persons supplying labor, materials, machinery, and equipment in the prosecution of the work provided for in the public works construction contract.
- 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.

CONVERSATIONS OR CORRESPONDENCE REGARDING THIS SOLICITATION OR 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 _____

SIGNATURE

TITLE

COMPANY

Phone / Fax No's. / e-mail

CHATHAM COUNTY, GEORGIA
SURETY REQUIREMENTS

A Bid Bond for five percent (5%) of the amount of the bid is 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. 20-0003-4

PAVEMENT REHABILITATION 2020 – 1ST LET

The work will consist of furnishing all materials, labor and equipment for:

Five miles of pavement resurfacing on eleven county roads including Queen Aire Drive, Sandy Pond Court, Tara Manor Drive, Chrisfany Place, Penrose Point, Whitefield Avenue-North, Kings Way Circle, Southbridge Boulevard, Pin Point Avenue, Greenview Drive, and Kings Way. Signing, marking and miscellaneous concrete improvements are also included.

Location maps, typical sections and special provisions for the project are included in and made a part of this proposal. It is the responsibility of the contractor to make sure they have seen and fully understand these documents before bidding on the work.

The Prime Contractor must be pre-qualified by GDOT at the time of the bid opening. All subcontractors must be qualified or registered by GDOT prior to beginning work on the project. All subcontractors must be listed in the bid package or approved by the County in writing prior to performing work on the project.

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 90 CALENDAR DAYS AFTER THE TEN DAY PERIOD.

**Pavement Rehabilitation 2020 1st Let
 BID SHEET**

Item No.	Description	Unit	Est. Quantity	Unit Price	Total
150-1000	TRAFFIC CONTROL	LS	1		
163-0232	TEMPORARY GRASSING	AC	2		
163-0240	MULCH	TN	10		
210-0100	GRADING COMPLETE	LS	1		
231-0100	DEEP PATCHING	SY	1990		
310-1101	GR AGGR BASE CRS, INCL MATL	TN	225		
402-1812	RECYCLED ASPH CONC LEVELING INCL. BITUM MATL & H LIME	TN	125		
402-3100	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, TP 1, GP 1 OR BLEND 1, INCL. BITUM MATL & H LIME	TN	2770		
402-3103	RECYCLED ASPH CONC 9.5 MM SUPERPAVE, TP 2, GP 2 ONLY, INCL. BITUM MATL & H LIME	TN	6140		
413-1000	BITUM TACK COAT	GL	7800		
415-1000	ASPH CONC OGI, GP BEND	TN	1500		
432-5010	MILL ASPH CONC PVMT, VARIABLE DEPTH	SY	45360		
441-0060	CONC FILLET AT INTERSECTION, 6 IN DEPTH, Class A	SY	132		
441-0104	CONC SIDEWALK, 4 IN	SY	105		
441-4118	CONC GUTTER WITH RAISED EDGE, 6 IN X 18 IN	LF	60		
441-6002	CONC CURB & GUTTER, 6 IN X 18 IN, TP 2	LF	165		
500-3801	CONC SWALE, 4 FT W X 6.5 IN D, CL A CONC INCL REINF STEEL	LF	90		
610-6515	REM HIGHWAY SIGN, STD	EA	7		
611-8050	ADJUST MANHOLE GRADE	EA	9		
636-1033	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING TP 9	SF	11		
636-1036	HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING TP 11	SF	13		
636-2070	GALV STEEL POSTS, TP 7	LF	100		
653-0110	THERMOPLASTIC PVMT MARKING, ARROW, TP 1	EA	6		
653-0120	THERMOPLASTIC PVMT MARKING, ARROW, TP 2	EA	5		
653-0130	THERMOPLASTIC PVMT MARKING, ARROW, TP 3	EA	3		
653-0210	THERMOPLASTIC PVMN MARKING, WORD, TP 1	EA	1		
653-0230	THERMOPLASTIC PVMN MARKING, WORD, TP 3A	EA	1		
653-0296	THERMOPLASTIC PVMN MARKING, WORD, TP 15	EA	1		

653-1501	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	LF	6240		
653-1502	THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	LF	43400		
653-1704	THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	LF	225		
653-1804	THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	LF	640		
653-3501	THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	GLF	80		
653-4830	THERMOPLASTIC SKIP TRAF STRIPE, 18 IN, WHITE	GLF	75		
653-6006	THERMOPLASTIC TRAFFIC STRIPING, YELLOW	SY	1265		
654-1001	RAISED PVMT MARKERS TP 1, Blue	EA	37		
700-6910	PERMANENT GRASSING	AC	2		
700-7000	AGRICULTURAL LIME	TN	4		
700-7010	LIQUID LIME	GL	10		
700-8000	FERTILIZER MIXED GRADE	TN	2		

999-9000	FIELD CONDITION ALLOWANCE	LS	1	\$25,000.00	\$25,000.00
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Total Bid (Round off to whole dollar)

Name/ Title

Company

Address

Phone/ Fax Numbers

E-mail

SPECIAL CONDITIONS
2020 Resurfacing

1. **DESCRIPTION OF WORK:**

The work will consist of furnishing all materials, labor and equipment for:

Five miles of pavement resurfacing on eleven county roads including Queen Aire Drive, Sandy Pond Court, Tara Manor Drive, Chrisfany Place, Penrose Point, Whitefield Avenue-North, Kings Way Circle, Southbridge Boulevard, Pin Point Avenue, Greenview Drive, and Kings Way. Signing, marking and miscellaneous concrete improvements are also included.

Location maps, typical sections, roundabout plans and special provisions for the project are included in this proposal.

All work under this contract shall be done in accordance with the Georgia Department of Transportation (GDOT) Standard Specifications, latest edition and subsequent supplemental specifications; the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD) and the following Shelf Special Provisions which are available on the GDOT website at www.dot.ga.gov/PS/Business/Source/SpecialProvisions: 150 Traffic Control, 828 Hot Mix Asphaltic Concrete Mixtures, except for certain items deleted or modified in these documents. Special Provisions for 415 Asphaltic Concrete Open Graded Interlayer and Sampling and Testing are included in this proposal will also apply.

Contract administration, inspection and concrete testing will be performed by Chatham County or a consultant hired by Chatham County.

All materials used in the process of completion of the work included in the contract will be furnished from Georgia Department of Transportation certified suppliers only as per the GDOT Qualified Products List available on the website www.dot.ga.gov/PS/Materials/QPLCategories.

The Prime Contractor must be pre-qualified by GDOT at the time of the bid opening. All subcontractors must be qualified or registered by GDOT prior to beginning work on the project. All subcontractors must 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, technical specifications and other documents 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, shall be deemed to have been included in the prices bid for the various items scheduled.

2. **COMMENCEMENT AND COMPLETION:** 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 90 calendar days after the 10-day period. The Contractor shall work

continuously on the project after the Notice to Proceed is issued. Time charges will stop when all pay item work is complete.

The Contractor will have 45 days to complete any punchlist work after a final inspection is performed and the punchlist is provided. Time charges will resume after 45 days and continue until all punchlist work is complete.

Intermediate Deadlines

1. Asphalt operations including milling, patching and paving must be completed on each road within two weeks of starting on all roads with the exception of Southbridge Boulevard which shall be completed within three weeks.
2. Milled surfaces shall be resurfaced as follows:
 - a. Asphalt shall be covered within 7 calendar days.
 - b. Soil cement shall be covered within 48 hours.
3. OGI shall be covered within 48 hours.
3. **MAINTENANCE:** Once the Notice to Proceed has been issued, the Contractor is held responsible for all maintenance of the pavement within the limits of the project throughout the duration of the contract without exception.
4. **LIQUIDATED DAMAGES:** Failure to complete all work within 90 calendar days plus any extension authorized in writing by the County Engineer shall entitle the County to deduct as "Liquidated Damages" from the monies due the Contractor the amount of \$250 for each calendar day in excess of the authorized construction time. The Georgia Department of Transportation schedule for liquidated damages will not be used.

Failure to meet any of the intermediate deadlines outlined above in the section for Commencement and Completion plus any extension authorized in writing by the County Engineer 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 and the Contractor will be required to make corrections or complete any patching required due to traffic on exposed surfaces at their own expense.

Failure to complete the punchlist work within 45 days after the contract time of 90 calendar days shall entitle the County to deduct as "Liquidated Damages" from the monies due the Contractor the amount of \$250 for each calendar day in excess of authorized construction time plus 45 days for completion of punchlist work.

5. **PRECONSTRUCTION CONFERENCE:** The Contractor shall attend a pre-construction conference prior to commencing any work. The Project Manager in charge of day to day operations and Project Superintendent shall to be in attendance.
6. **CONSTRUCTION SCHEDULE:** The Contractor shall prepare a detailed schedule showing progress dates and completion dates of all phases of construction. The schedule must be submitted and approved prior to commencement of work.

7. **PAYMENT:** Quantities are approximate and payment shall be for measurements of actual in-place work as per the bid documents, plans and specifications. Any quantities exceeding the contract amount shall be requested by the Contractor in writing, for approval by the County Engineer, prior to the work being performed. Payment will not be made for additional quantities without prior, written approval of the County Engineer.

8. **TRAFFIC CONTROL:** Traffic safety is paramount. All roads must be open to traffic at all times. The Contractor will be responsible for all traffic control, in accordance with the Manual on Uniform Traffic Control Devices, GDOT standards and details, Special Provision 150 and all other safety measures that will enhance the safety of the construction site. All costs associated with this work shall be included in the bid price for traffic control. The Contractor shall submit a traffic control plan for each road for approval prior to beginning any work. Any changes to the approved traffic control plan must be submitted and approved in writing.

9. **INCIDENTAL ITEMS OF CONSTRUCTION:** 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.

10. **FORCE ACCOUNT:** When no agreement is reached for additional work to be done at Lump Sum or Unit Prices, then such additional work shall be done based on the following Cost-Plus-Percentage basis of payment. The Georgia Department of Transportation specifications for the use of a force account will not be used.

a. For work performed by the prime contractor/general contractor, the contractor shall be reimbursed for actual cost incurred in doing the work, and an additional payment of 15% to cover overhead and profit.

b. For work performed by a sub-contractor, the sub-contractor shall be reimbursed for actual cost incurred in doing the work, and an additional payment of 10% to cover overhead and profit. The contractor shall be allowed an overhead and profit mark-up not to exceed 7% on the subcontractor's price. The County shall not recognize subcontractors of subcontractors.

c. The term "Actual Cost" shall include the cost of material and labor as follows:

I. Material cost - Direct cost of material, sales tax, freight and equipment rental.

ii. Labor cost - Man hour cost listed separately by trade, payroll costs including workman's compensation, social security, pension and retirement.

d. The term "Overhead and Profit" shall include bonds (Payment & Performance, Roof & Wall), insurance (Liability, Builders Risk), permits, supervision costs (cost of subcontractor to supervise own work, cost of contractor to supervise work of sub-contractor), proposal preparation and all administrative costs.

11. **PRECONSTRUCTION INSPECTION:** A preconstruction DVD or CD of photographs is required and must be submitted to Chatham County Department of Engineering for approval prior to the start of work. Each road should be filmed and labeled individually on the disk. Special emphasis shall be given to record the existing condition of roadway pavement, signs, driveways, utilities and any other improvements within 20 feet of the project limits.

12. **BITUMINOUS TACK:** Only Asphalt Cement, performance grade PG 58-22, PG 64-22 or PG 67-22 will be allowed. Emulsified asphalt shall not be used.

13. **WORK HOURS:** Contractor work hours shall be restricted to daylight hours on weekdays unless specifically approved otherwise at least 48 hours in advance. Approval is at the discretion of the County Engineer.

14. **UTILITIES:** The Contractor will be responsible for all utility coordination and protection of utility facilities.

15. **PRIME CONTRACTOR SUPERINTENDENT:** A qualified Superintendent of the prime contractor shall be on-site at all times during construction activities, including those of subcontractors. A sub-contractor will not be an approved representative of the prime contractor. If the Superintendent is not present to control the work, work may be suspended by County personnel until such time as the Superintendent is on-site and has adequately addressed any problems or concerns.

16. **DEEP PATCHING:** The bid price for this item is to include all labor and equipment for the excavation and removal of 4 inches of existing materials and grading and compaction of subgrade as required to correct isolated areas of failed pavement. Saw cut pavement for vertical edge. Contractor to replace existing materials with 440 lb/sy of 19mm SP. The asphalt will be paid separately. Patching is expected on sections Chrisfany Pl, Whitefield Ave-North, Southbridge Blvd, Pin Point Ave., and Kings Way. Coordinate locations and extent with County personnel one week prior to propose start date for the patching on each road. Asphalt for patches less than six ft in length or width may be placed in one lift. Patches greater than six feet in length and width must be paved in two lifts.

17. **HERBICIDE:** All areas of pavement must be sprayed with herbicide as needed to kill any existing grass growing in or through the pavement, in the gutters or between the roadway and gutter one week prior to beginning paving operations.

18. **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. Tree trimming may be required on Sandy Pond Court, Greenview Drive, Southbridge Boulevard, Pin Point Avenue, and Whitefield Avenue-North. Shoulder grading will be required on Queens Aire, Chrisfany Pl, Penrose Pt, Whitefield Ave-North, Southbridge Blvd, and Pin Point Ave. Grading of base material will be required on Chrisfany Place and Penrose Point. 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. See typical sections for shoulder grading details on each road.

19. **GRASSING:** Graded areas shall be stabilized daily with either grass or mulch. Grassing shall be completed 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, reseeded, 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. The Contractor is responsible for keeping sediment from entering storm drainage structures or leaving the site. Additional Best Management Practice (BMP) devices may be required and will not be measured separately for payment but will be included in the overall bid for the project.

20. **MISCELLANEOUS CONCRETE:** All concrete work shall be coordinated with paving operations on said roads to ensure no damage to either the new concrete or new asphalt. The curb and gutter and swales shall be installed such that positive drainage is achieved. The curb and gutter shall be constructed using GDOT standards and to match existing. The swales shall conform to the details included in this proposal as well as to best match existing. Survey work will be required to ensure positive drainage.

21. **DRIVEWAYS:** Pave the existing asphalt and concrete driveways up to five feet back as needed for a smooth and well drained transition, match the existing width. Grade gravel and dirt drives, add graded aggregate base course as needed to bring to grade and pave with three inches of asphalt, in one lift, five feet back at a minimum width of 14 feet and a maximum width of 20 feet.

22. **NOTIFICATION OF WORK:** The Contractor will be responsible for providing written notice to property owners along roads with on street parking a minimum of 48 hours in advance of the work.

23. **PERMIT:** Contractor shall obtain an Encroachment Permit through the Public Works Department prior to any work within County right of way.

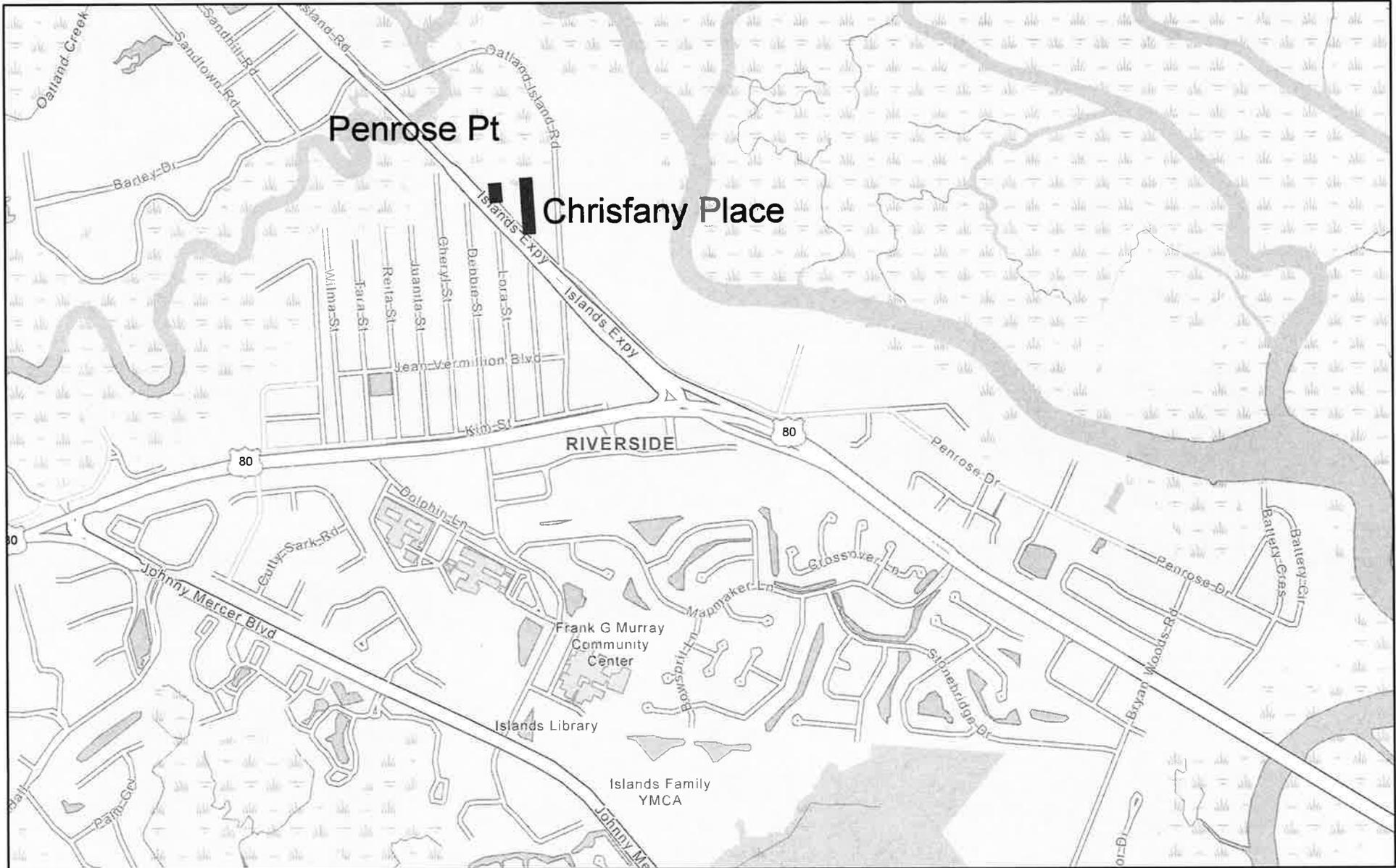
24. **SAMPLING AND TESTING OF MATERIALS:** All sampling and testing services with the exception of concrete shall be performed by an independent testing agency accepted by the County Engineer, at the Contractor's expense. All sampling and testing required for the project will be in accordance with the 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 placement of the next lift if applicable and prior to any payment for the work. Written field reports are acceptable for compaction testing to expedite construction. Verbal approval will not be acceptable. The cost associated with testing shall be included in the bid price for that item. Cores may be required for verification if compaction results from gauge readings fail to meet contract requirements or at the discretion of the Engineer to verify results.

25. **FIELD CONDITION ALLOWANCE:** The field condition allowance shown on the bid sheet shall belong to Chatham County. The purpose of this Allowance is to allow the County to designate actions associated with completion of the project which are not indicated on the plans, but which are dictated by field conditions. Bidders shall not use this Allowance to assume any Contractor costs known or unknown at the bidding. Chatham County must approve use of the Allowance. All bidders shall include this Field Condition Allowance within their base bid. Any unused allowance shall revert to Chatham County.

PROPOSAL INDEX: This proposal includes the following attachments for your information:

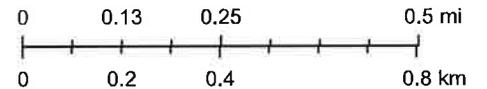
- Location Maps
- Typical Sections
- Road Listing
- Turn Out Listing
- Concrete Replacement List
- A Summary of Quantities
- Special Provision for Sampling and Testing
- Special Provision Section 415 Asphaltic Concrete Open Graded Interlayer
- Swale and Fillet Detail
- Driveway Detail
- Chrisfany Hammerhead Detail
- Plans for Berwick Roundabout
- Pavement Core Report

Resurfacing 2020 1st Let, Map 1 of 3



12/30/2019, 3:27:18 PM

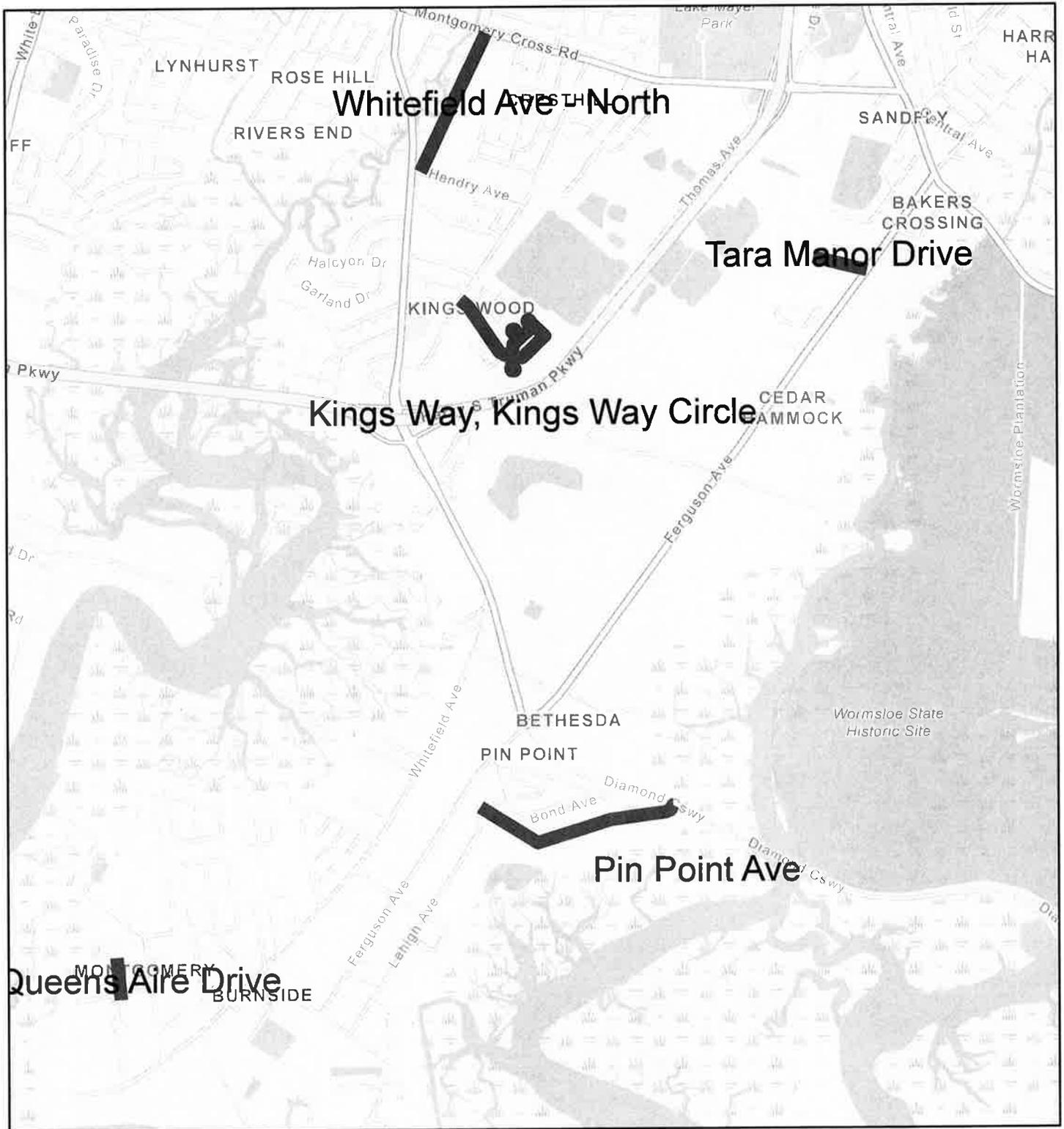
1:18,056



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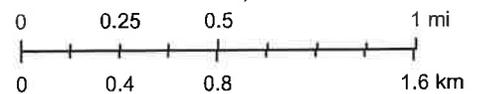
Resurfacing 2020 1st Let, Map 2 of 3



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Parcels Outline

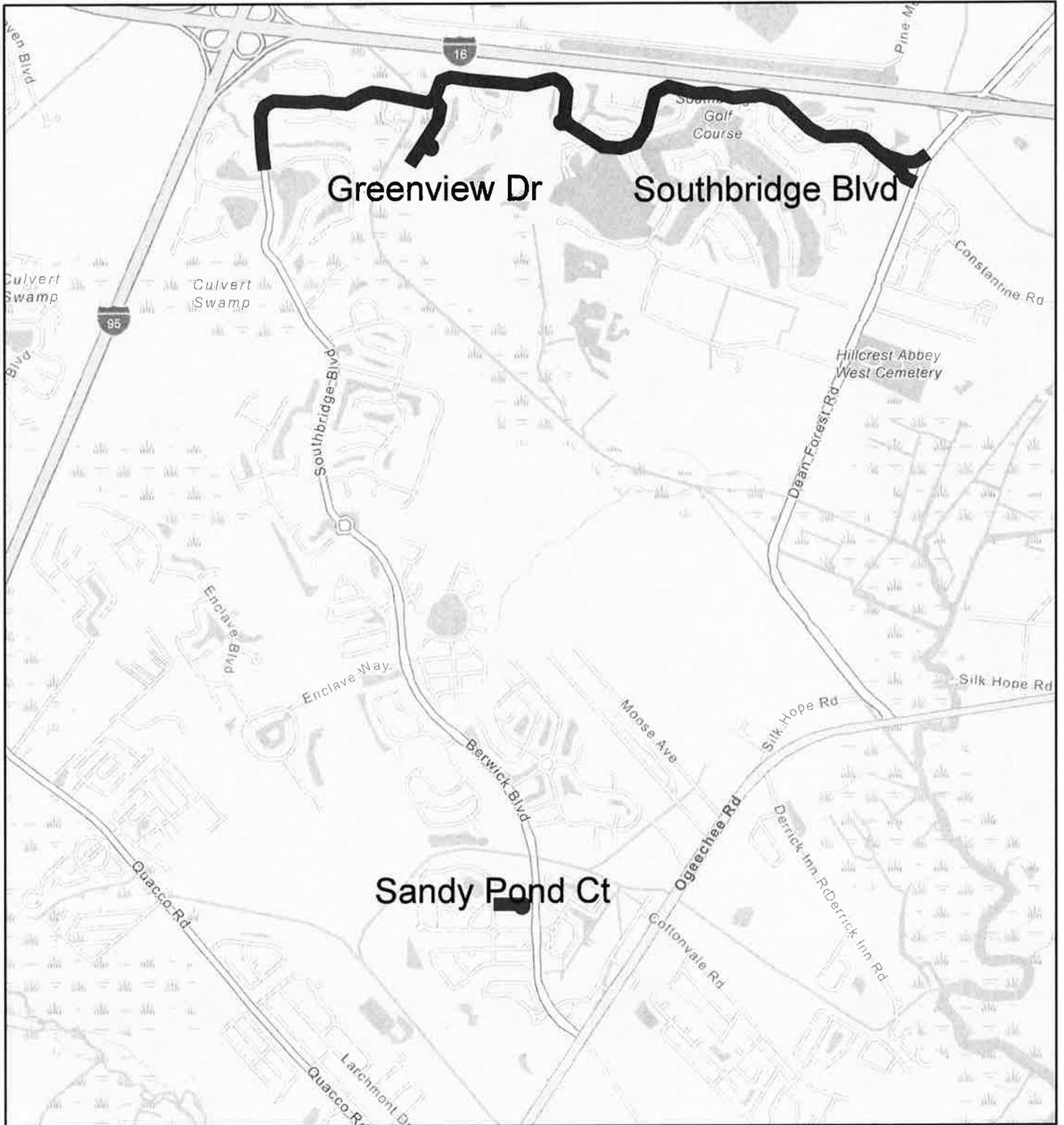
1:36,112



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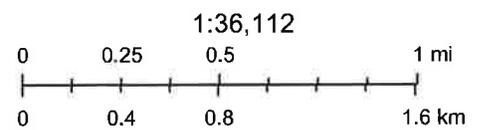
SAGIS

Resurfacing 2020 1st Let, Map 3 of 3



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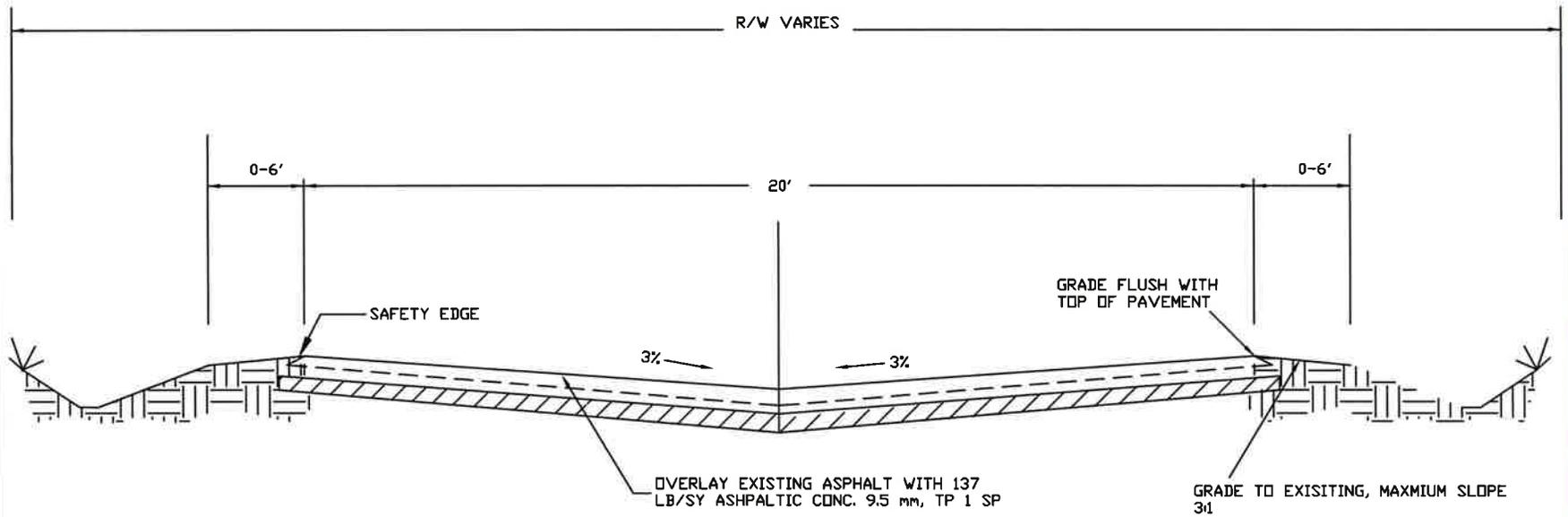
Parcels Outline



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TYPICAL SECTION 1



NOTES

1. MILL SIX FEET ALONG THE CURB AND GUTTER AND PRIVATE DRIVE FOR TIE-IN.
2. 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.

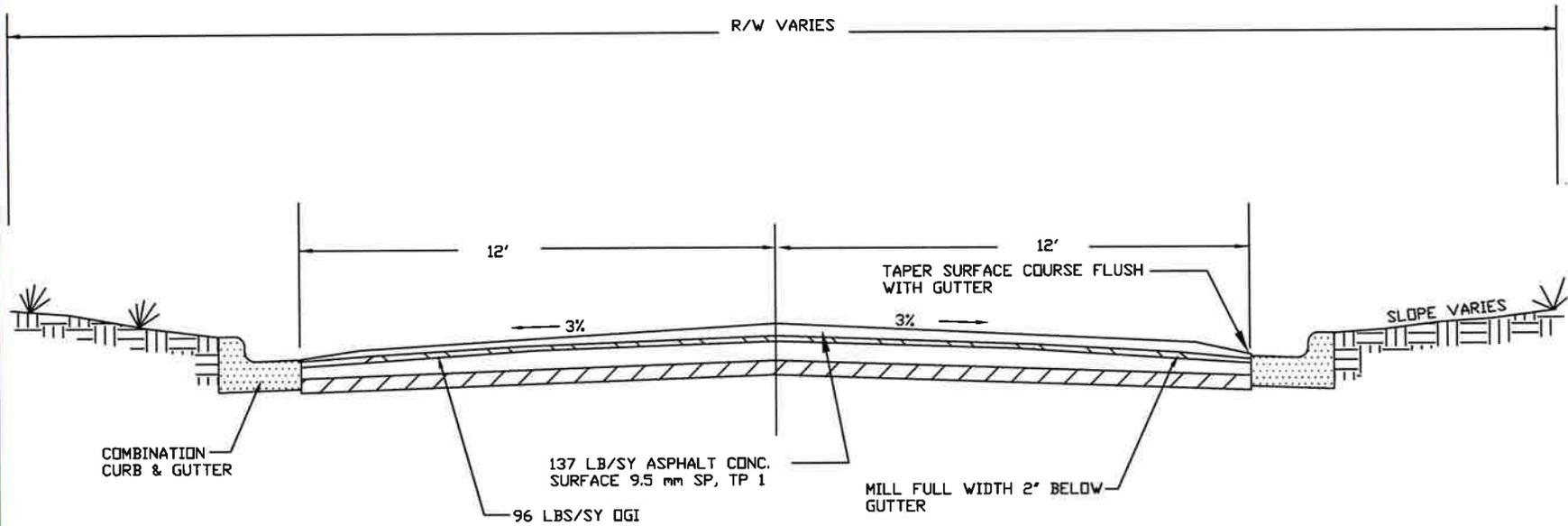
QUEEN AIRE DRIVE 2020 RESURFACING 1ST LET

CHATHAM COUNTY
DEPARTMENT OF ENGINEERING

SCALE: N.T.S.
DATED: August 2019



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.
2. AMOUNT OF ACTUAL MILLING MAY VARY DEPENDING ON PAVEMENT HEIGHT ABOVE GUTTER.

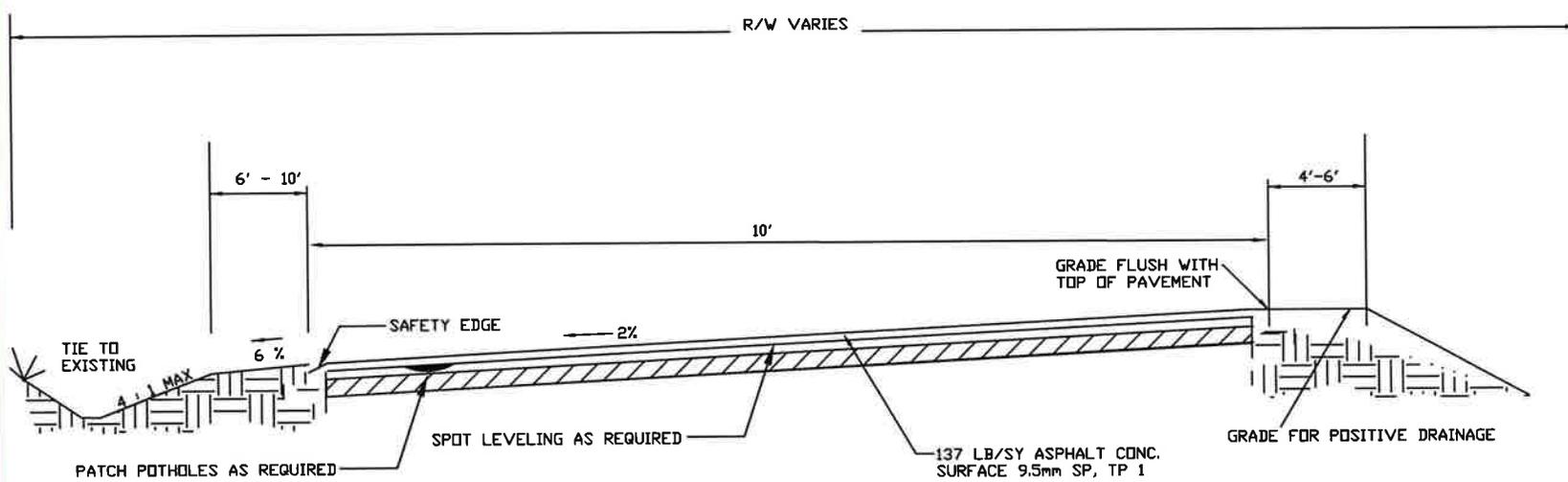
TARA MANOR DR, SANDY POND CT, KING WAY CIR, KINGS WAY
2020 RESURFACING 1ST LET

CHATHAM COUNTY
DEPARTMENT OF ENGINEERING

SCALE: N.T.S.
DATED: August 2019



TYPICAL SECTION 3



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.

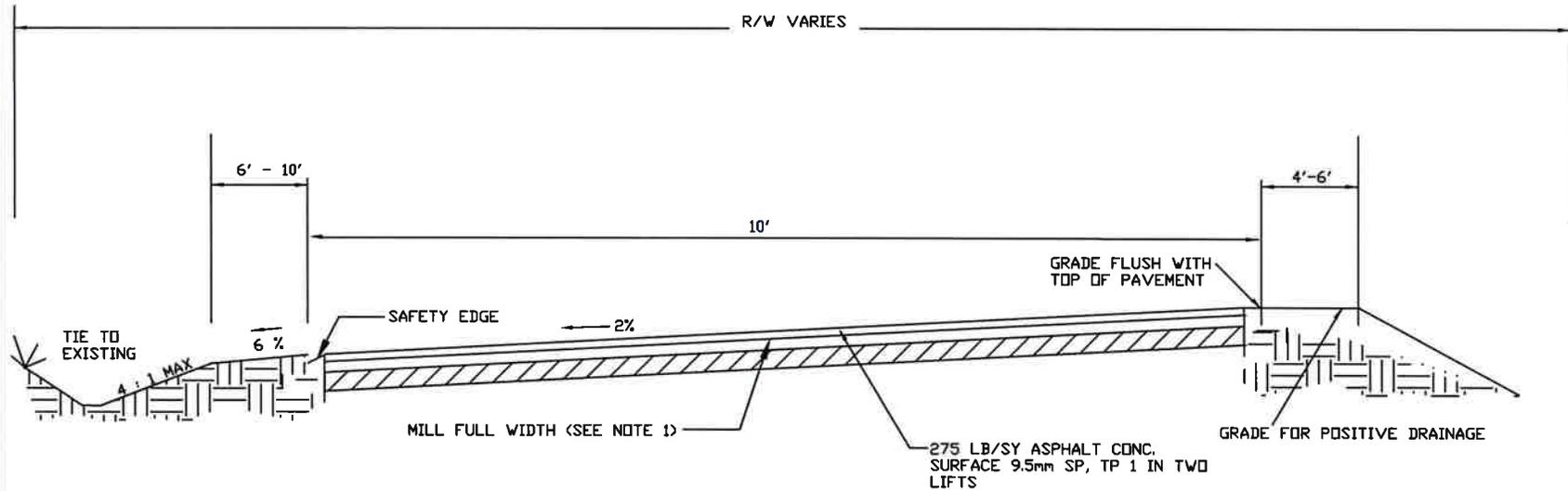
CHRISFANY PLACE 2020 RESURFACING 1ST LET

CHATHAM COUNTY
DEPARTMENT OF ENGINEERING

SCALE:	N.T.S.
DATE:	August 2019



TYPICAL SECTION 4



NOTES

1. MILL FULL WIDTH TO 3" DEPTH, LEAVE MILLINGS IN PLACE AND RECOMPACT.
2. 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.

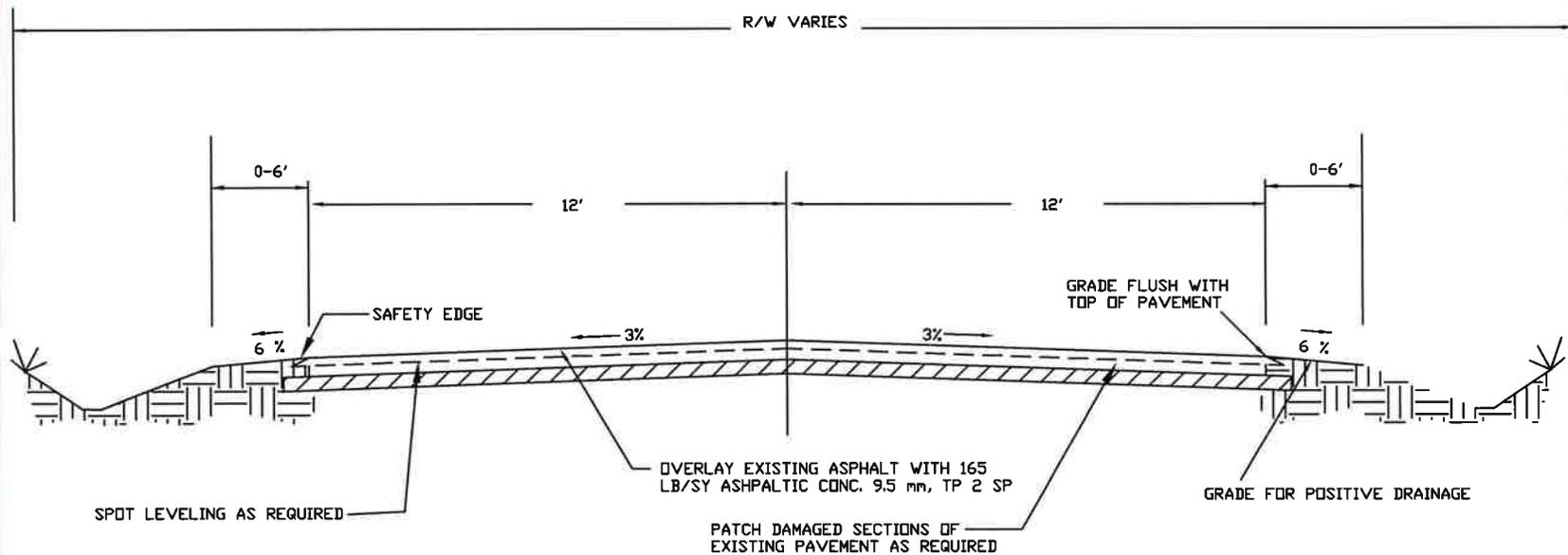
PENROSE POINT 2020 RESURFACING 1ST LET

CHATHAM COUNTY
DEPARTMENT OF ENGINEERING

SCALE: N.T.S.
DATED August 2019



TYPICAL SECTION 6



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.

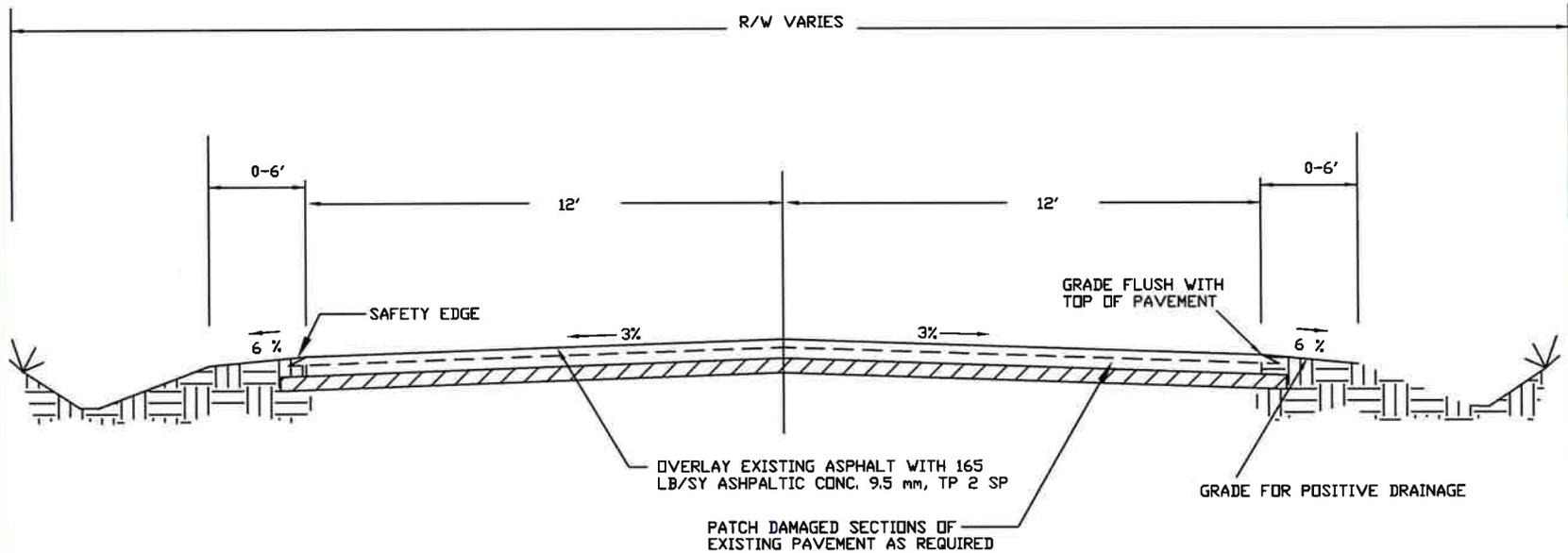
WHITEFIELD AVE-NORTH, PAST MONTGOMERY ST ENTRANCE AREA
2020 RESURFACING 1ST LET

CHATHAM COUNTY
DEPARTMENT OF ENGINEERING

SCALE: N.T.S.
DATED: August 2019



TYPICAL SECTION 8



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.

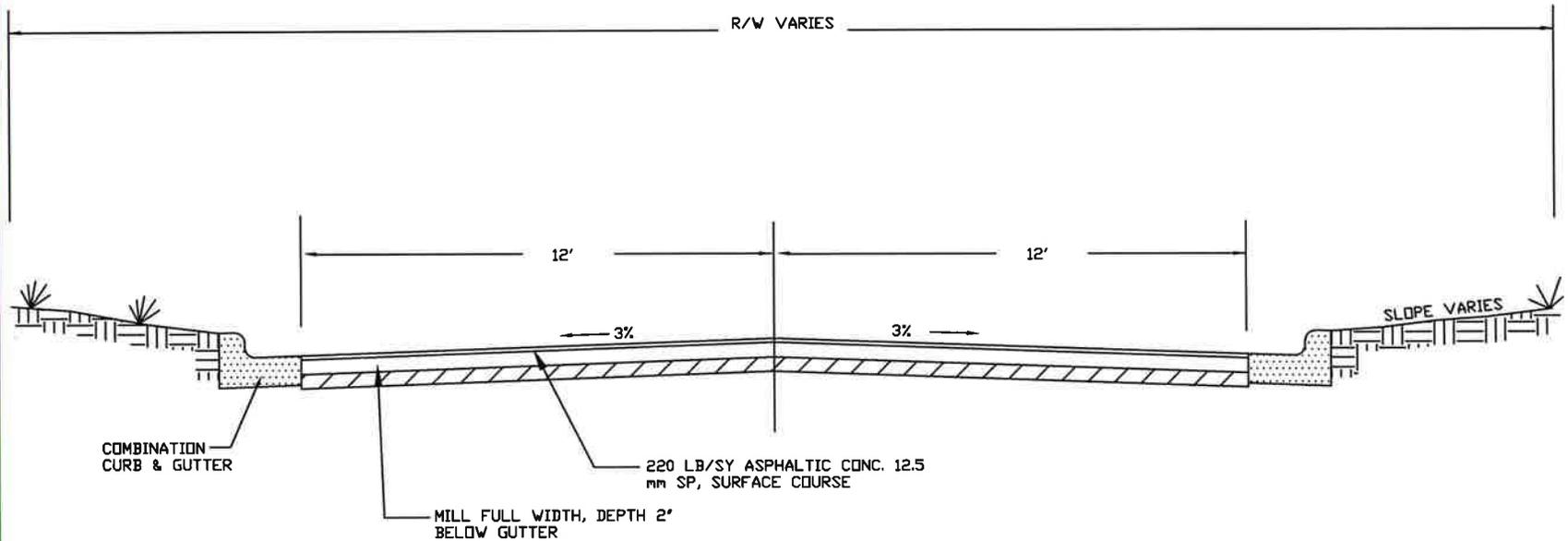
SOUTHBRIDGE BLVD, 411 SOUTHBRIDGE TO WEDGEFIELD CROSSING
2020 RESURFACING 1ST LET

CHATHAM COUNTY
DEPARTMENT OF ENGINEERING

SCALE: N.T.S.
DATED: August 2019



TYPICAL SECTION 9



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.

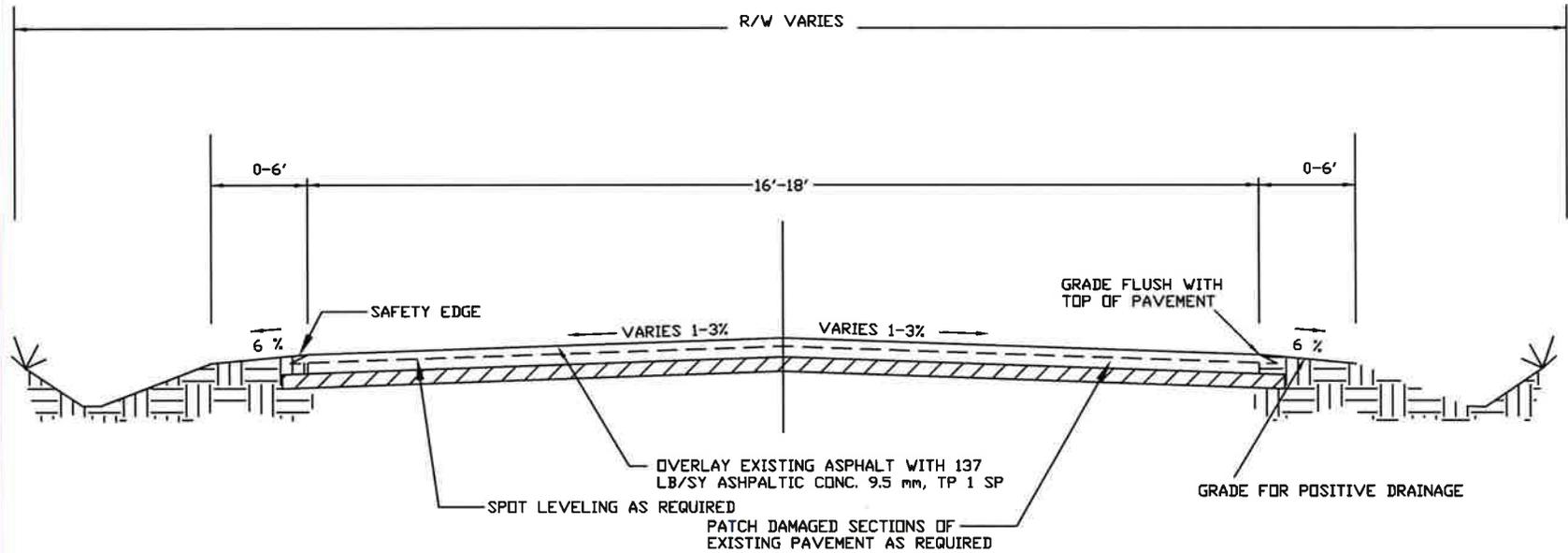
SOUTHBRIDGE BLVD, WEDGEFIELD CROSSING TO DEAN FOREST
2020 RESURFACING 1ST LET

CHATHAM COUNTY
DEPARTMENT OF ENGINEERING

SCALE: N.T.S.
DATED: AUGUST 2019



TYPICAL SECTION 10



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.

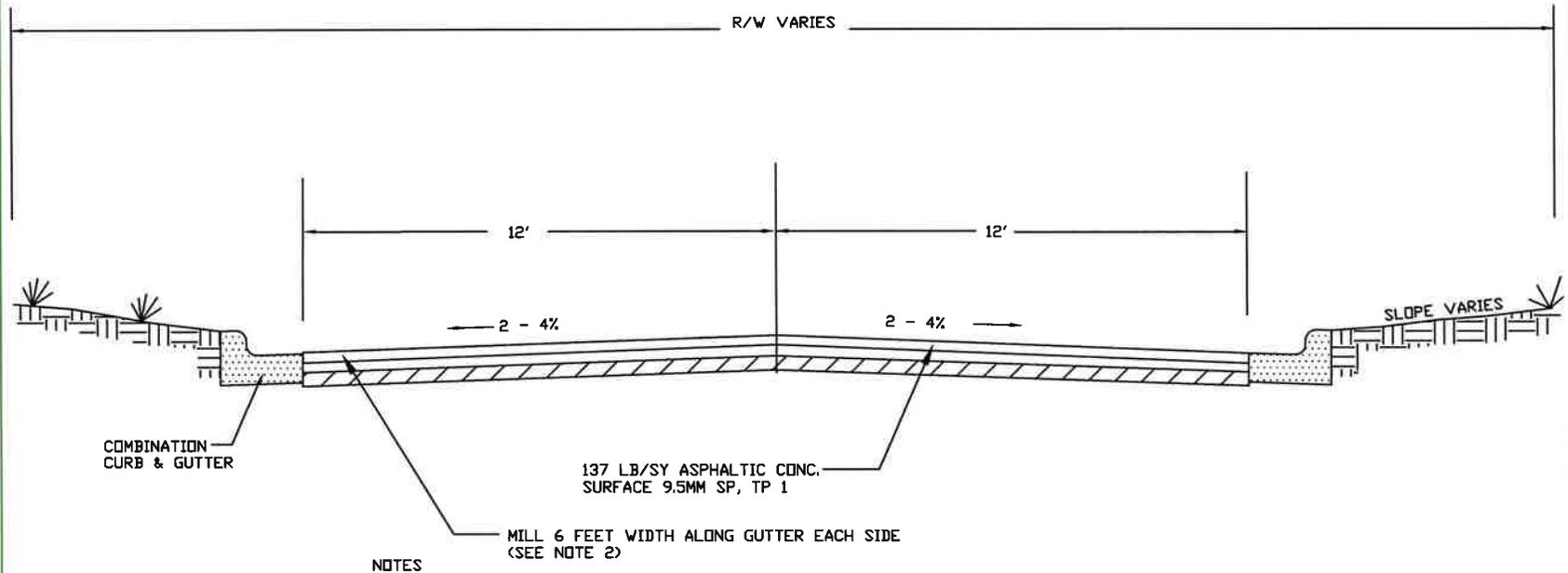
PIN POINT AVENUE 2020 RESURFACING 1ST LET

CHATHAM COUNTY
DEPARTMENT OF ENGINEERING

SCALE: N.T.S.
DATED: August 2019



TYPICAL SECTION 11



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.
2. MILL 2 IN FULL WIDTH 500 FEET BETWEEN 105-113 GREENVIEW, 220 LB/SY 9.5 MM TP 1 IN 2 LIFTS.

GREENVIEW DRIVE 2020 RESURFACING 1ST LET

CHATHAM COUNTY
DEPARTMENT OF ENGINEERING

SCALE: N.T.S.
DATED August 2019



**Pavement Rehabilitation 2020 1st Let
Road Listing**

Road Name: Queens Aire Drive

Begin At: Cartwright St Length (mi): 0.10
End At: End Width (ft): 20.00

Proposed Construction

Grade dirt and gravel driveways and add graded aggregate base as needed as per Special Provision and Driveway Detail. Mill 6' along curb and gutter and private concrete driveway. Overlay road with 137 lb/sy 9.5 mm TP 1, pave driveways as per Driveway Detail, grade shoulders and grass throughout. Place 1 stopbar.

Road Name: Sandy Pond Ct

Begin At: Heritage Way Length (mi): 0.14
End At: End Width (ft): 24.0

Proposed Construction

Mill full width 2" depth, inlay with 96 lb/sy OGI and 137 lb/sy 9.5 mm TP 1. Place 1 stopbar.

Road Name: Tara Manor

Begin At: Ferguson Ave Length (mi): 0.19
End At: End Width (ft): 24.0

Proposed Construction

Mill full width 2" depth removing all asphalt. Inlay with 96 lb/sy OGI and 137 lb/sy 9.5 mm TP 1. Adjust manhole to grade. Place 2 blue RPM and 1 stopbar.

Road Name: Chrisfany Pl

Begin At: Penrose Dr Length (mi): 0.10
End At: End Width (ft): 10

Proposed Construction

Proposed Construction

Replace concrete swales and fillets on Kings Way Court. Replace 11' of curb & gutter between 1751 - 1749 Kings Way, 14' of curb & gutter at 1731 Kings Ways, 10' of curb & gutter at 1622 Kings way, and 20' of curb & gutter at 1605 Kings Way. Mill full width 2" depth removing all asphalt. Inlay with 96 lb/sy OGI, overlay with 137 lb/sy 9.5 mm TP 1. Mill Kings Way Court full width 2" depth removing all asphalt, inlay with 96 lb/sy OGI, and overlay with 137 lb/sy 9.5 mm TP 1. Place 4 blue RPM and place 2 stopbars.

2020 Resurfacing Turn Out Listing

Queen Aire Dr

Pave existing driveways one to five feet back from the edge of pavement to ensure a smooth transition and positive drainage. Pave dirt and gravel driveways as per Special Provision and Driveway Detail.

Sandy Pond Court

No side roads or driveways to be paved.

Tara Manor Drive

No side roads or driveways to be paved.

Chrisfany Place

No side roads or driveways to be paved.

Penrose Point

No side roads to be paved. Pave existing driveways one to five feet back from the edge of pavement to ensure a smooth transition and positive drainage.

Whitefield Avenue-North

Grade, place GAB in dirt/gravel drives as needed, compact and pave driveway as per driveway detail. Pave existing concrete or asphalt driveways one to five feet back from the edge of pavement to ensure a smooth transition and positive drainage.

Kings Way Circle

Mill and pave cul-de-sac.

Southbridge Boulevard

Mill full width to back radius of Baymeadow Point, Golf Club Dr, and Baysprings Pl and inlay. Mill full width on Whispering Pines Ct. and inlay. No driveways to be paved.

Pin Point Avenue

Grade, place GAB in dirt/gravel drives as needed, compact and pave driveway as per driveway detail. Pave existing concrete or asphalt driveways one to five feet back from the edge of pavement to ensure a smooth transition and positive drainage. Mill full width for 137 lb/sy of 9.5mm type 1 for 70' from Pin Point Ave on Bond Avenue to the back of the radius and repave.

Greenview Drive

Mill 6' from curb & gutter and pave Greenview Circle to the back of the radius.

Kings Way

Mill full width two inch depth and pave Kings Way Court and Cul-de-Sac at the back of Kings Way with 96 lb/sy OGI, and 165 lb/sy 9.5 mm TP 1.

**2020 1st Let
Concrete Replacement List**

Queens Aire Dr

No concrete repair required.

Sandy Pond Ct

No concrete repair required.

Tara Manor Dr

No concrete repair required.

Chrisfany Pl

No concrete repair required.

Penrose Pt

No concrete repair required.

Whitefield Ave - North

Replace 40' of curb & gutter and sidewalk across from St. James Catholic Church.

Kings Way Cir.

Replace concrete swales and fillets on both ends of Kings Way Cir. Replace 40' of curb & gutter at 1730 Kings Way Cir.

Southbridge Blvd

Replace 28' of curb & gutter at 507 Southbridge Blvd and 58' of gutter with raised edge at 517 Southbridge Blvd.

Pin Point Ave

No concrete repair required.

Greenview Dr

No concrete repair required.

Kings Way

Replace concrete swales and fillets on Kings Way Ct. Replace 11' of curb & gutter between 1751 - 1749 Kings Way, 14' of curb & gutter at 1731 Kings Ways, 10' of curb & gutter at 1622 Kings way, and 20' of curb & gutter at 1605 Kings Way.

Pavement Rehabilitation, 2020 1st Let - SUMMARY OF QUANTITIES

ROADS	TOTAL	0.10 mi	Queens Aire Dr	Sandy Pond Ct 0.14 mi	Tara Manor Dr 0.19 mi	Chrisfany Pl 0.10 mi	Penrose Pt 0.02 mi	Ave-North 0.52 mi	Whitefield	kings Way Cir 0.13 mi	Southbridge Blvd 2.71 mi	Pin Point Ave 0.73 mi	Greenvelw Dr 0.26 mi	Kings Way 0.48 mi	Berwick Blvd Roundabout
		UNIT	QUANTITY	1463	1779	2863	589	197	9400	2810	45840	7996	4311	11604	
PAY ITEMS	LS	1													
TRAFFIC CONTROL	LS	1													
TEMPORARY GRASSING	AC	1.88	0.09			0.06	0.02	0.35			0.86	0.5			
MULCH	TN	10	0.5			0.25	0.1	1.2			2.6	2			
GRADING COMPLETE	LS	1													
DEEP PATCHING	SY	1984				60		24			471	85	1333	11	
GR AGGR BASE CRS, INCL MATL	TN	222	50			22		50			100				
RECYCLED ASPH CONC LEVELING INCL. BITUM MATL & H LIME	TN	122				5		50			55	12			
RECYCLED ASPH CONC 9.5 MM SUPERPAVE, TP 1, GP 1 OR BLEND 1, INCL. BITUM MATL & H LIME	TN	2770	(137 lbs/sy) 120	(137 lb/sy) 126	(137 lb/sy) 203	(137 lb/sy) 56	(275 lb/sy) 30	Drives 50	(137 lb/sy) 200		(137 lb/sy) 700	(137 lb/sy) 463	(137 lb/sy) 822		
RECYCLED ASPH CONC 9.5 MM SUPERPAVE, TP 2, GP 2 ONLY, INCL. BITUM MATL & H LIME	TN	6140						(165 lb/sy) 940		(165 lb/sy) 5200					
BITUM TACK COAT	GL	7789	90	288	464	34	24	1046	455	2750	495	267	1876		
ASPH CONC OGI, GP BEND	TN	1500		(96 lb/sy) 100	(96 lb/sy) 162			(96 lb/sy) 420	(96 lb/sy) 160					(96 lb/sy) 658	
MILL ASPH CONC PVMT, VARIABLE DEPTH	SY	45357	870	1779	2863		197	3833	2810	17815	1015	2571	11604		
CONC FILLET AT INTERSECTION, 6 IN DEPTH, CLASS A	SY	132							42					90	
CONC SIDEWALK, 4 IN	SY	104						24							80
CONC GUTTER WITH RAISED EDGE, 6 IN X 18 IN	LF	58								58					
CONC CURB & GUTTER, 6 IN X 18 IN, TP 2	LF	165						42	40	28				55	
CONC SWALE, 3 FT W X 6.5 IN D	LF	90							44					46	
REM HIGHWAY SIGN, STD	EA	7													7
ADJUST MANHOLE GRADE	EA	9			1				3	1	4				
HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING TP 9	SF	11													11
HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING TP 11	SF	13													13
GALV STEEL POSTS, TP 7	LF	100													100
THERMOPLASTIC PVMT MARKING, ARROW, TP 1	EA	6								6					

ROADS	TOTAL	Queens Aire	Sandy Pond	Tara Manor	Christlany Pl	Penrose Pt	Whitefield	kings Way	Southbridge	Pin Point Ave	Greenveiw	Kings Way	Berwick Blvd
		0.10 mi	Ct 0.14 mi	Dr 0.19 mi	0.10 mi	0.02 mi	Ave-North 0.52 mi	Cir 0.13 mi	2.71 mi	Blvd	0.73 mi	Dr 0.26 mi	0.48 mi
THERMOPLASTIC PVMT MARKING, ARROW, TP 2	EA	5							5				
THERMOPLASTIC PVMT MARKING, ARROW, TP 3	EA	3							3				
THERMOPLASTIC PVMN MARKING, WORD, TP 1	EA	1							1				
THERMOPLASTIC PVMN MARKING, WORD, TP 3A	EA	1					1						
THERMOPLASTIC PVMN MARKING, WORD, TP 15	EA	1											1
THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE	LF	6236					4904		332				1000
THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW	LF	43374					5600		29774	7500			500
THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	LF	224	1=10	1=12	1=12	1=5	1=5	2x12=24	3x12= 36	4x12=48	3x8=24	2x12=24	2x12=24
THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	LF	637						274		53			310
THERMOPLASTIC SKIP TRAF STRIPE, 5 IN, WHITE	GLF	80								80			
THERMOPLASTIC SKIP TRAF STRIPE, 18 IN, WHITE	GLF	75											75
THERMOPLASTIC TRAFFIC STRIPING, YELLOW	SY	1265							1265				
RAISED PVMT MARKERS TP 1, BLUE	EA	37			2			4	19	6	2	4	
PERMANENT GRASSING	AC	1.88	0.09			0.06	0.02	0.35	0.86	0.5			
AGRICULTURAL LIME	TN	3.76	0.18			0.12	0.04	0.7	1.72	1			
LIQUID LIME	GL	9.4	0.45			0.3	0.1	1.75	4.3	2.5			
FERTILIZER MIXED GRADE	TN	1.536	0.072			0.048	0.016	0.3	0.7	0.4			

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 testing required for the project will be in accordance with the GDOT Sampling, Testing and Inspection Guidelines except as modified here. It is understood that these are the minimum testing requirements and that additional testing may be requested by the Engineer, as needed. A minimum of 24 hours' notice shall be given to the County Project Manager prior to work which requires testing. A copy of all test reports shall be sent to the Project Manager and must be received prior to placement of the next lift if applicable and prior to any payment for the work. Written field reports are acceptable for compaction testing to expedite construction. Verbal approval will not be acceptable. The cost associated with testing shall be included in the bid price for that item.

A. 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.

B. Section 209 Subgrade - One in-place density test shall be taken per every 500 linear feet, maximum 24 foot width, 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 subsequent lift. 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.

C. Section 310 Graded Aggregate Construction - One thickness measurement and one in-place density test per 500 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.

D. Section 400 & 402 Hot mix Asphalt Construction - The contractor shall be responsible for comparison testing and quality assurance according to GDOT Standard Specification 400.3.06.A and compaction testing according to GDOT Standard Specification 400.3.06.B except for the following revisions:

1. The adjustment period for density will be one day for each mix on each road.
2. The maximum pavement mean air voids for all Superpave mixes must not exceed 7.8 percent for 100% pay factor for all roads with the exception of Southbridge Boulevard which must not exceed 7.0 percent for the 100% pay factor.

As required in GDT 39 contractor shall report density and voids to the nearest 0.1 on Form OMR-TM-150. Contractor shall fill out form OMR-TM-151 Calibration of Nuclear Gauge to Asphalt Cores worksheet. These forms can be provided upon request. Gradation and asphalt cement content test reports will be required from the asphalt plant quality control program as well as comparison test results and compaction test results from the independent lab prior to payment for asphalt placed. Additional cores may be required to verify compaction if gauge readings indicate compaction below the maximum mean air void tolerance for 100% pay factor or at the discretion of the Engineer.

E. Section 441 Miscellaneous Concrete & Section 500 Concrete - 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.

**DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA**

Section 415—Asphaltic Concrete Open Graded Interlayer

415.1 General Description

This work includes constructing a bituminous plant produced Asphaltic Concrete Open Interlayer over the existing roadway surface. The mixture shall serve as asphaltic concrete leveling over irregular surfaces and provide mitigation for reflective cracking prior to the placement of the final surface pavement. The mixture shall conform to the lines, grades, thicknesses, typical sections and cross sections shown on the Plans or established by the Engineer.

This section includes the requirements for Asphaltic Concrete Open Graded Interlayer mixtures regardless of the gradation of the aggregates, type and amount of bituminous material, or pavement use. Follow the requirements in [Section 400](#), and [Section 828](#) for production and placement, materials, equipment, and acceptance plans except as noted or modified in this Specification.

Acceptance of work is on a lot-to-lot basis according to the requirements of this Section, [Section 400](#) and [Section 106](#).

415.1.01 Definitions

Asphaltic Concrete Open Graded Interlayer: an open graded mixture placed at a lift thickness that yields stone on stone contact that provides in-place air void content in excess of 20% to mitigate existing cracking within asphaltic concrete pavements.

415.1.02 Related References

A. Standard Specifications

[Section 400](#)— Hot Mix Asphaltic Concrete Construction

[Section 800](#)— Coarse Aggregate

[Section 802](#)— Aggregate for Asphaltic Concrete

[Section 820](#)— Asphalt Cement

[Section 828](#)— Hot Mix Asphaltic Concrete Mixtures

A. Standard Specifications

[Section 106](#)—Control of Materials

[Section 109](#)—Measurement and Payment

[Section 152](#)—Field Laboratory Building

[Section 413](#)—Bituminous Tack Coat

[Section 802](#)—Coarse Aggregate for Asphaltic Concrete

[Section 828](#)—Hot Mix Asphaltic Concrete Mixtures

B. Referenced Documents

AASHTO T 209

AASHTO T 202

AASHTO T 49

AASHTO T 315

[Department of Transportation Standard Operating Procedure \(SOP\) 27, "Quality Assurance for Hot Mix Asphaltic Concrete Plants in Georgia"](#)

[Department of Transportation Standard Operating Procedure \(SOP\) 15](#)

Department of Transportation Standard Operation Procedure (SOP) 40

GDT 38

GDT 73

GDT 83

GDT 119

GDT 125

GDT 126

GSP 15

GSP 21

QPL 1

QPL 2

QPL 7

QPL 26

QPL 39

QPL 41

QPL 45

415.1.03 Submittals

A. Invoices

Furnish formal written invoices from a supplier for all materials used in production of HMA when requested by Department. Show the following on the Bill of Lading:

- Date shipped
- Quantity in tons (megagrams)
- Included with or without additives (for asphalt cement)

Purchase asphaltic cement directly from a supplier listed on Qualified Products List 7 and provide copies of Bill of Lading at the Department's request.

B. Paving Plan

Before starting asphaltic concrete construction, submit a written paving plan to the Engineer for approval. Include the following on the paving plan:

- Proposed starting date
- Location of plant(s)
- Rate of production
- Average haul distance(s)
- Number of haul trucks
- Paver speed feet (meter)/minute for each placement operation
- Mat width for each placement operation
- Number and type of rollers for each placement operation
- Sketch of the typical section showing the paving sequence for each placement operation
- Electronic controls used for each placement operation
- Temporary pavement marking plan

If staged construction is designated in the Plans or contract, provide a paving plan for each construction stage.

If segregation is detected, submit a written plan of measures and actions to prevent segregation. Work will not continue until the plan is submitted to and approved by the Department.

C. Job Mix Formula

Submit to the Engineer a written job mix formula proposed for each mixture type to be used based on an approved mix design. Furnish the following information for each mix:

- Specific project for which the mixture will be used
- Source and description of the materials to be used
- Mixture I.D. Number
- Proportions of the raw materials to be combined in the paving mixture
- Single percentage of the combined mineral aggregates passing each specified sieve
- Single percentage of asphalt by weight of the total mix to be incorporated in the completed mixture
- Single temperature at which to discharge the mixture from the plant
- Theoretical specific gravity of the mixture at the designated asphalt content
- Name of the person or agency responsible for quality control of the mixture during production

Do the following to have the formulas approved in accordance with SOP 40 “Approval of Contractor Job Mix Formulas” and to ensure their quality:

1. Submit proposed job mix formulas for review at least two weeks before beginning the mixing operations.
2. Do not start hot mix asphaltic concrete work until the Engineer has approved a job mix formula for the mixture to be used. No mixture will be accepted until the Engineer has given approval.
3. Provide mix designs for all SMA, Superpave and 4.75 mm mixes to be used. The Department will provide mix design results for other mixes to be used.
4. After a job mix formula has been approved, assume responsibility for the quality control of the mixtures supplied to the Department according to Subsection 106.01, “Source of Supply and Quantity of Materials.”

D. Quality Control Program

Submit a Quality Control Plan to the Office of Materials and Research for approval. The Quality Control Program will be included as part of the certification in the annual plant inspection report.

415.2 Materials

The requirements established in Section 400 are to be followed for Asphaltic Concrete Open Interlayer production and placement, materials, equipment, and acceptance plans except as noted or modified in this Specification.

Ensure that materials comply with the specifications listed in Table 1.

Table 1—Materials Specifications

Material	Subsection
Asphalt Cement, Grade Specified	<u>820.2</u>
Coarse Aggregates for Asphaltic Concrete	<u>802.2.02</u>
Fine Aggregates for Asphaltic Concrete	<u>802.2.01</u>
Mineral Filler	<u>883.1</u>
Heat Stable Anti-Stripping Additive	<u>831.2.04</u>
Hydrated Lime	<u>882.2.03</u>

Silicone Fluid (When approved by the Office of Materials and Research)	<u>831.2.05</u>
Bituminous Tack Coat: PG 58-22, PG 64-22, PG 67-22	<u>820.2</u>
Hot Mix Asphaltic Concrete Mixtures	<u>828</u>

415.2.01 Mix Design Requirements

The Open Graded Mixture shall be formulated to contain approximately 20 to 25 percent in-place air voids after compaction. Use approved mixtures that meet the following mixture control tolerances and design criteria:

Table 1 – Asphaltic Concrete Open Graded Interlayer Mixture Design and Control

Sieve Size	Mixture Control Tolerance, %	Design Gradation Limits, % Passing
		Open Graded Interlayer
3/4 in (19 mm) sieve	±0.0	100
1/2 in (12.5 mm) sieve	±6.1	80 - 100
3/8 in (9.5 mm) sieve	±5.6	40 - 65
No. 4 (4.75 mm) sieve	±5.7	10 - 25
No. 8 (2.36 mm) sieve	±4.6	2 - 8
No. 200 (75 µm) sieve	±2.0	1 - 4
Range for % AC	±0.4	4.00 – 5.00
Class of stone (<u>Section 800</u>)		"A" only
Drain-down (AASHTO T305), %		<0.3
Design optimum air voids (%)		22% ±1
Control Sieves used in Acceptance Schedule		3/8 in., No. 8 (9.5 mm, 2.36 mm) and Asphalt Cement

Notes:

1. Use only PG 67-22 asphalt cement (specified in Section 820).
2. Use no less than 1.0% hydrated lime regardless of aggregates group or source(s) used.

The Department will design the Open Graded Interlayer mixture. All materials and appropriate related information (material sources, gradation and project for use) shall be furnished to the Office of Materials and Research. Once the materials and related information has been provided, the Department shall have four weeks to design the mixture. The Department will establish the mix design Asphalt Cement content for the mix.

415.3 Construction Requirements

The requirements established in Section 400 are to be followed for warm mix asphaltic concrete production and placement, materials, equipment, and acceptance plans except as noted or modified in this Specification.

415.3.01 Personnel

General Provisions 101 through 150.

415.3.02 Construction

Asphaltic concrete plants that produce mix for Department use are governed by Quality Assurance for Hot Mix Asphaltic Concrete Plants in Georgia, Laboratory Standard Operating Procedure No. 27.

Follow requirements established in Section 400 for production and placement, materials, equipment, acceptance plans and adjustments except as noted or modified in this Specification.

- A. Apply the bituminous tack coat according to Section 413. The Engineer will determine the application rate, which must be within the limits of 0.03 gal/yd² to 0.05 gal/yd².
- B. The mix shall be produced and placed at a temperature of 250°F with a tolerance of ± 20°F.
- C. Place the mix to a compacted lift thickness of 1-inch. For construction purposes, the target thickness will be converted to spread rate based on the bulk specific gravity of the asphaltic concrete mixture being used as shown in the following equation:

$$\text{Spread rate (lbs/yd}^2\text{)} = t * G_{mb} * 46.8$$
 Where: t = Compacted lift thickness (inches)
 G_{mb} = bulk specific gravity of the mix from the approved mix design
 The spread rate shall be controlled within 10 lbs/yd² (6 kg/m²).
- D. Do not place mix at air temperatures below 50°F.
- E. The mix shall be compacted in a manner to achieve 20% - 25% in-place air voids. Steel wheel rollers operating in static mode *only* will be used to seat the lift of Asphaltic Concrete Open Graded mixture. Pneumatic tire rollers shall not be allowed on the Asphaltic Concrete Open Graded mat.

415.4. Measurement

If the spread rate exceeds the upper limits outlined in Subsection 415.3.02.C, the mix in excess will not be paid for. If the rate of the spread is less than the lower limit, the deficient course is subject to correction by overlaying the entire lot. The mixture used for correcting deficient areas is paid for at the Contract Unit Price of the course being corrected and is subject to mixture control requirements established in Table 1 – Asphaltic Concrete Open Graded Crack Relief Interlayer Mixture Design and Control.

415.5 Payment

Asphaltic Concrete Open Graded Crack Relief Layer mix is paid for at the Contract Unit Price per ton (megagram). Payment is full compensation for furnishing and placing materials including asphalt cement, hydrated lime, approved additives, and for cleaning and repairing, preparing surfaces, hauling, mixing, spreading, rolling, and performing other operations to complete the Contract Item.

Payment will be made under:

Item No. 415	Asphaltic Concrete Open Graded Crack Relief Interlayer, group-blend, Including bituminous materials and hydrated lime	Per ton (megagram)
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415.5.01 Adjustments

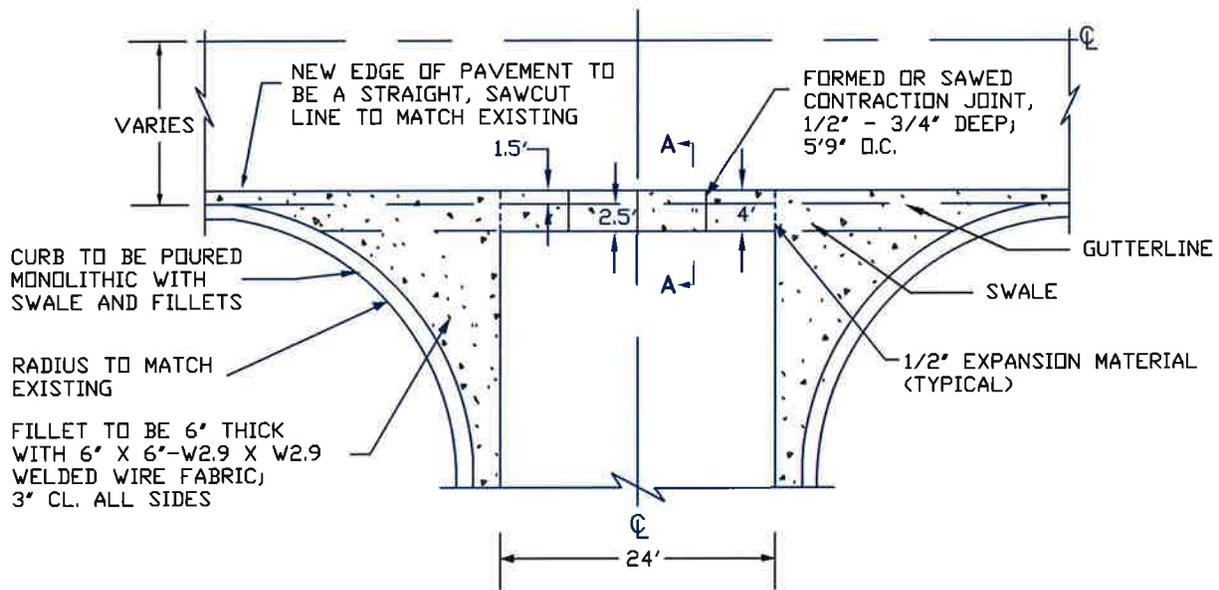
A. Materials Produced and Placed During the Adjustment Period

Follow requirements established in Section 400 for production and placement, materials, equipment, acceptance plans and adjustments except as noted or modified in this Specification.

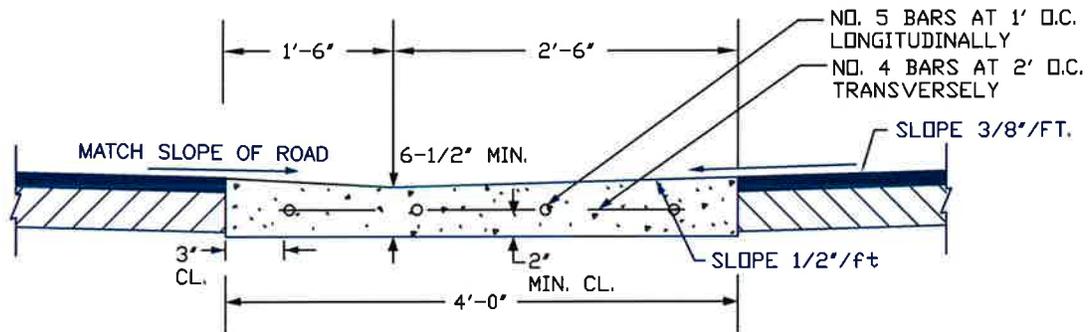
Asphaltic Concrete Open Graded Crack Relief Interlayer shall be granted an adjustment period for the first Lot or day, whichever is less, produced for the Contract. A new adjustment period shall not be granted for a change of producer, mix design or asphalt plant location. The adjustment period is provided to adjust or correct the mix and to establish the construction procedures and sequence of operations. Test the mixture in accordance with Section 400.3.06. Maintain the asphalt cement content and gradation within the limits provided in Table 1 – Asphaltic Concrete Open Graded Interlayer Mixture Design and Control. The Engineer will not use these test results in the acceptance for payment decision but production and placement operations shall cease for failure to meet mixture control tolerances established in Table 1 – Asphaltic Concrete Open Graded Interlayer Mixture Design and Control.

415.5.02 Determine Lot Acceptance

The Engineer will accept the mixture based on visual inspection. The mixture shall be inspected for texture, segregation, bleeding, fat spots, raveling, delamination, tearing, targeted in-place air void content and slippage areas. Remove and replace and areas determined to be unacceptable to the Engineer.



PLAN VIEW



SECTION A - A

NOTES:

1. COMPACT SUBGRADE TO 100%.
2. CONCRETE SHALL BE GDOT CLASS A.
3. TIE STEEL AT EVERY INTERSECTION WITHIN THE MAT. STEEL MAT MUST BE SUPPORTED BY CHAIRS.
4. ALL PAVEMENT AND CONCRETE CUTS MUST BE STRAIGHT, SAWCUT LINES.

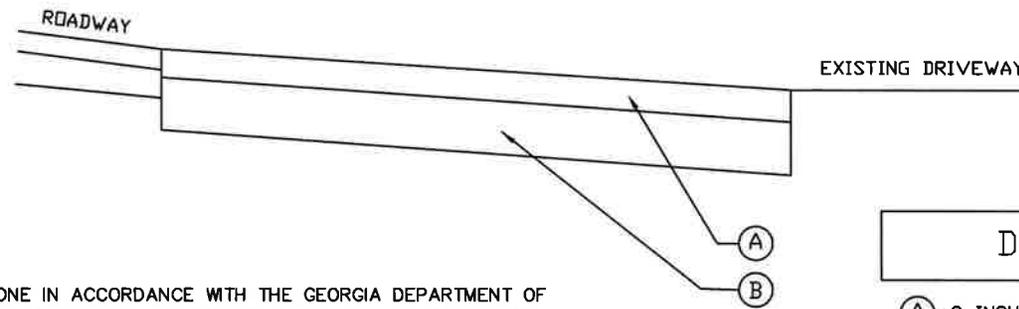
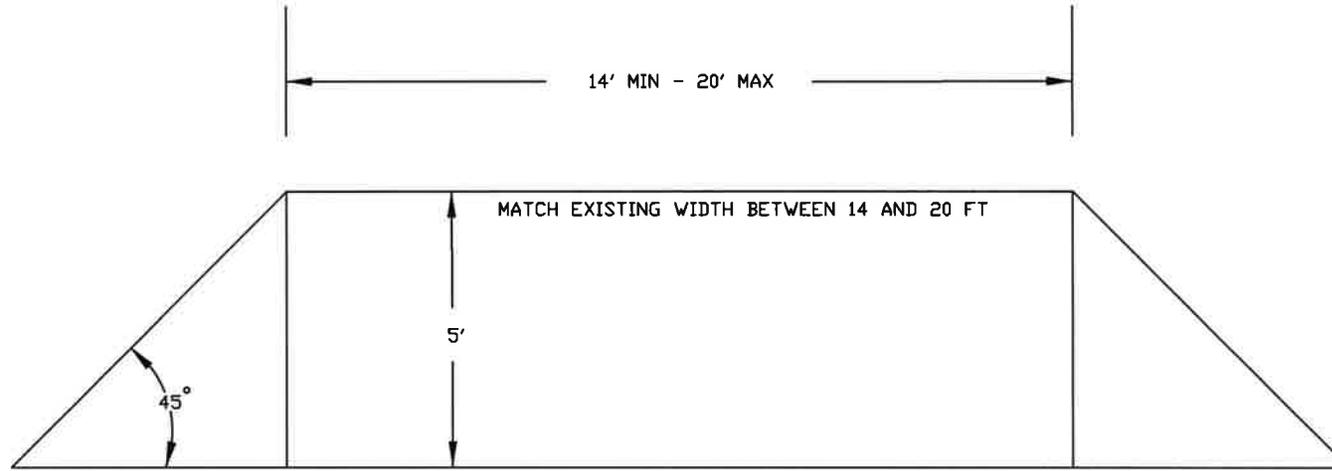
CONCRETE SWALE WITH FILLETS

CHATHAM COUNTY
DEPARTMENT OF ENGINEERING

SCALE: N.T.S.
DATED: NOVEMBER 2017



TYPICAL DRIVEWAY DETAIL



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.

DRIVEWAY SECTION

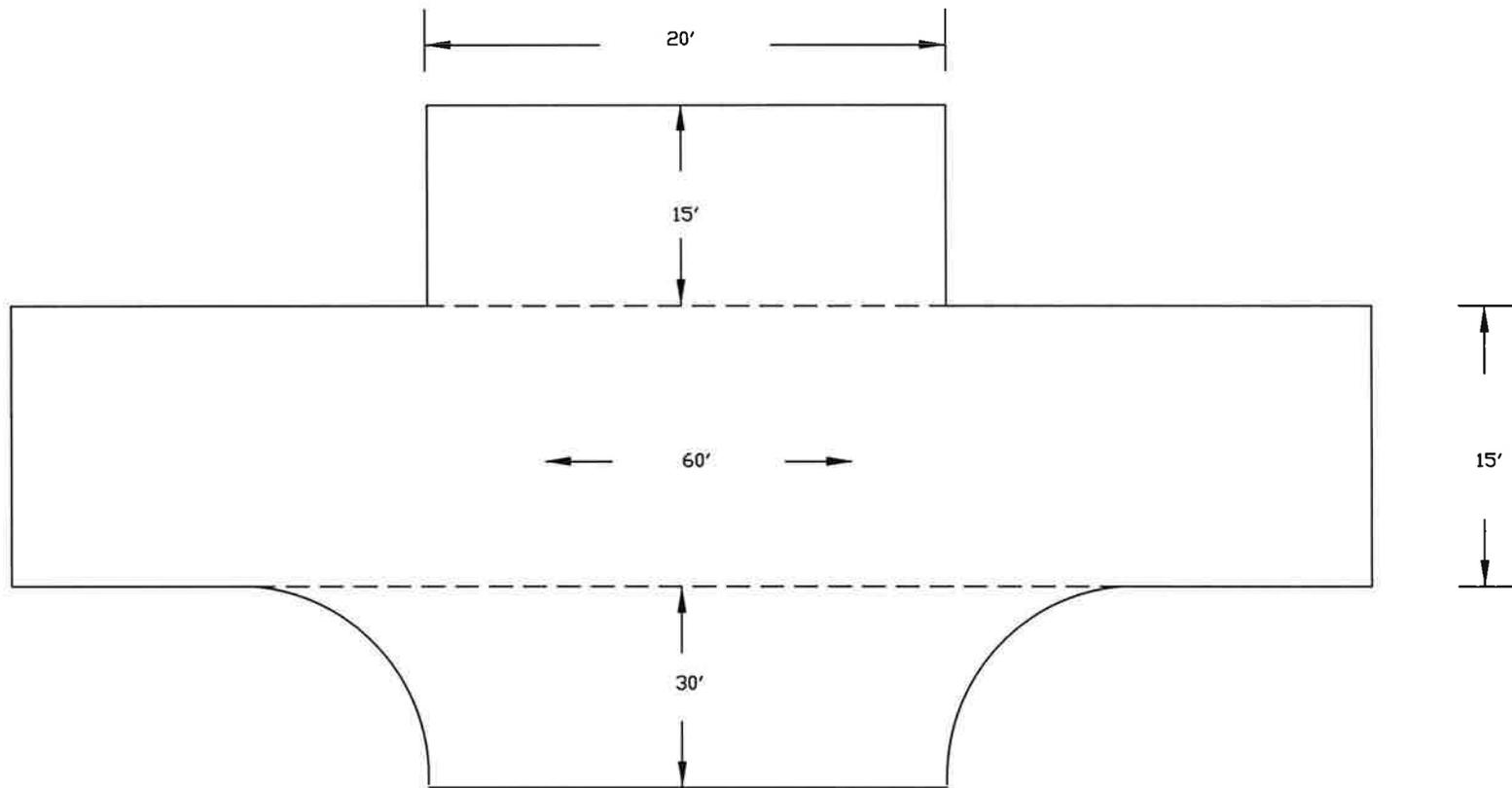
- (A) 3 INCHES ASPHALT, MATCH TOPPING ASPHALT
- (B) EXISTING AND/OR UP TO 6 INCHES GAB COMPACTED TO 100%

DRIVEWAYS

CHATHAM COUNTY
DEPARTMENT OF ENGINEERING

SCALE: N.T.S.
DATED: NOVEMBER 2017



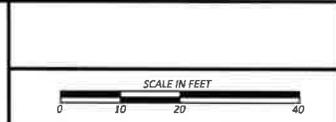
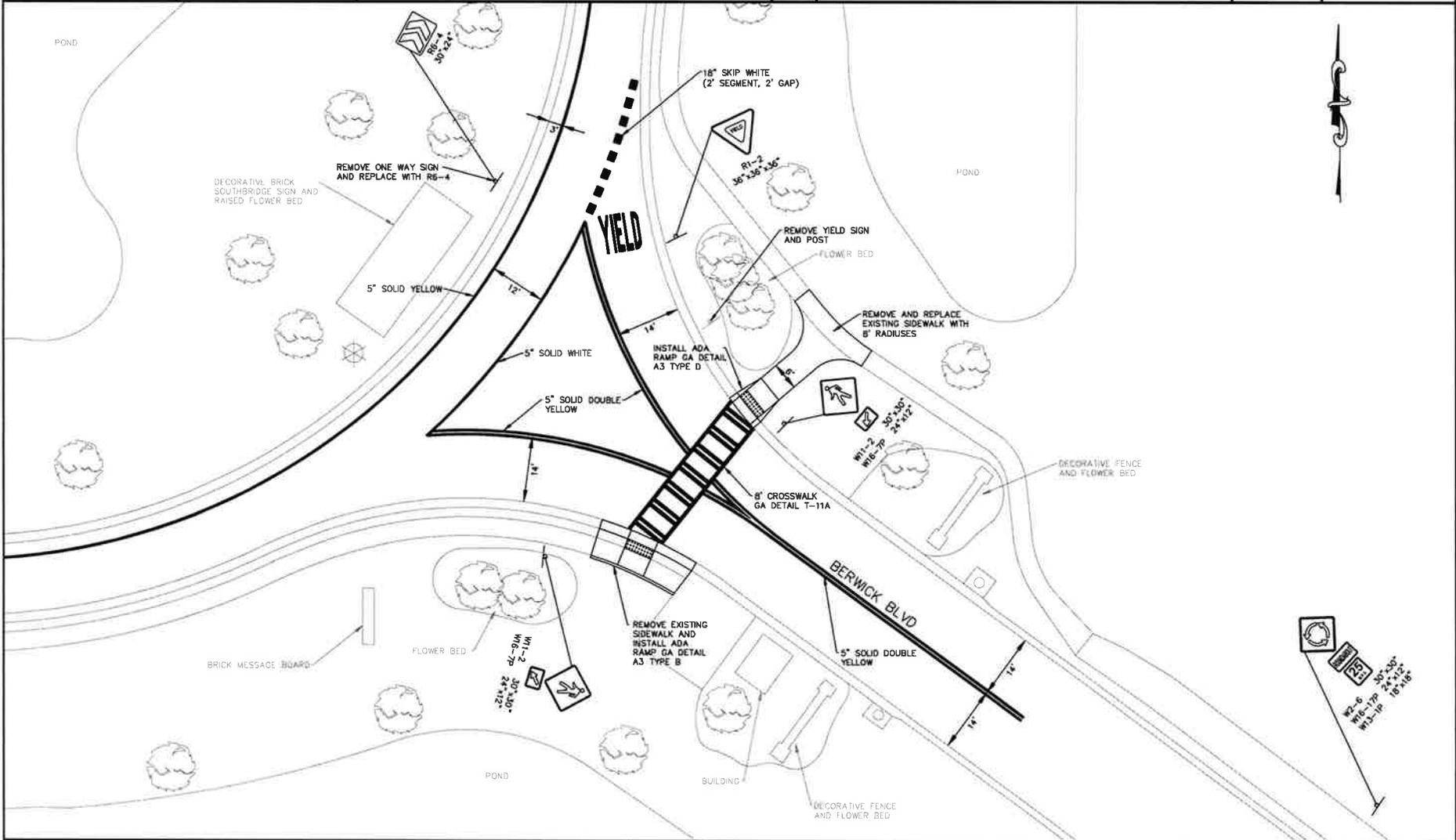


HAMMERHEAD DETAIL FOR CHRISFANY PLACE

CHATHAM COUNTY
DEPARTMENT OF ENGINEERING

SCALE: N.T.S.
DATED: DECEMBER, 2019





CHATHAM COUNTY
DEPARTMENT OF ENGINEERING
 124 BULL STREET, SUITE 430
 SAVANNAH, GA 31401
 PHONE: (912) 652-7600 FAX: (912) 652-7618

REVISION DATES

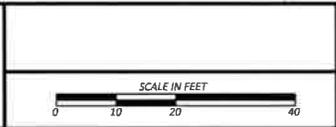
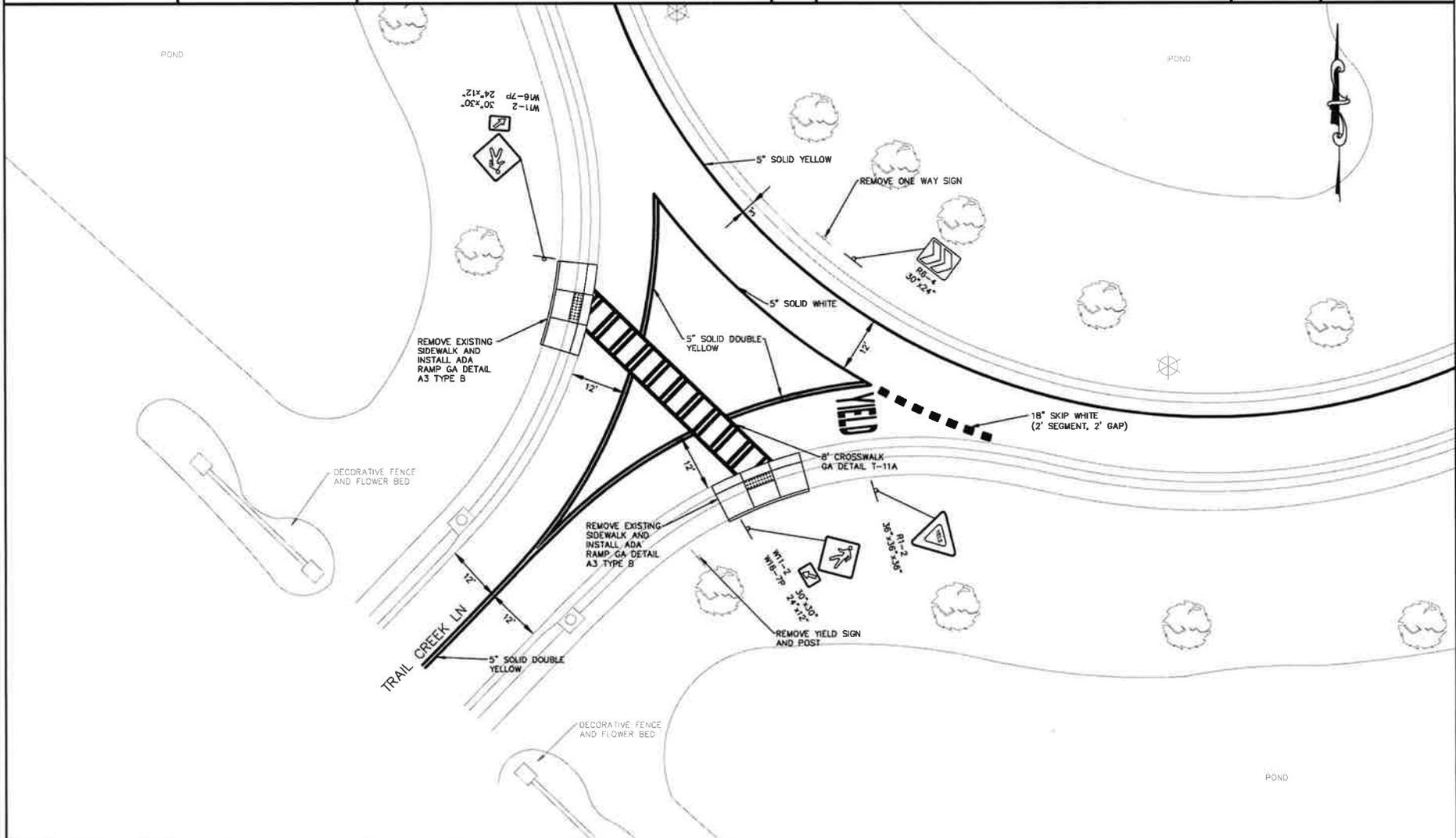
CHATHAM COUNTY GA

SIGNING MARKING AND ADA RAMP

BERWICK BLVD ROUNDABOUT IMPROVEMENTS

DRAWING NO. **001**

		STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
		GA			



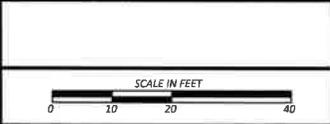
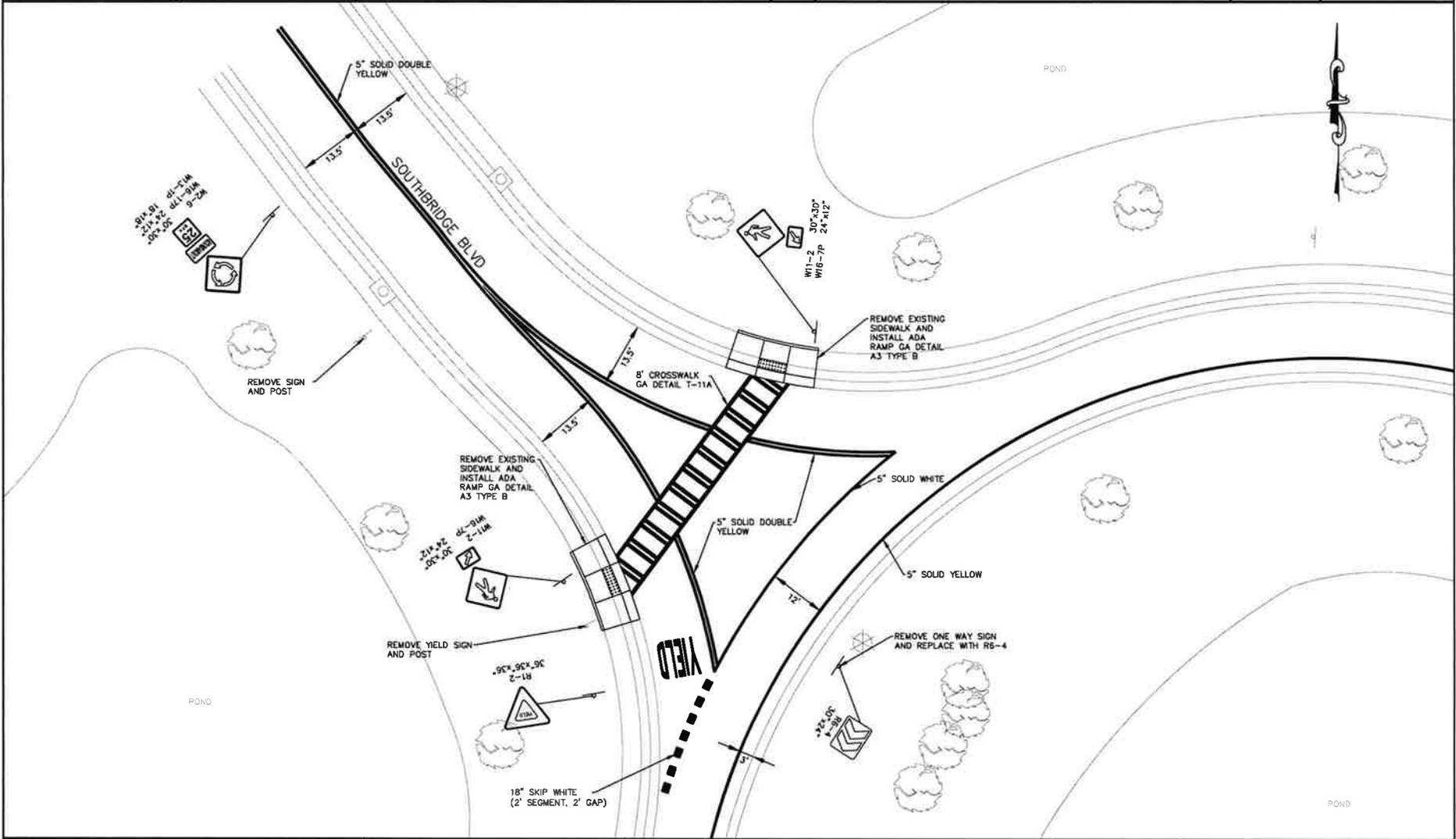
CHATHAM COUNTY
 DEPARTMENT OF ENGINEERING
 124 BULL STREET, SUITE 430
 SAVANNAH, GA 31401
 PHONE: (912) 652-7800 FAX: (912) 652-7818

REVISION DATES

CHATHAM COUNTY GA
SIGNING MARKING AND ADA RAMP
 BERWICK BLVD ROUNDABOUT IMPROVEMENTS

DRAWING NO. 002

STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS
GA			

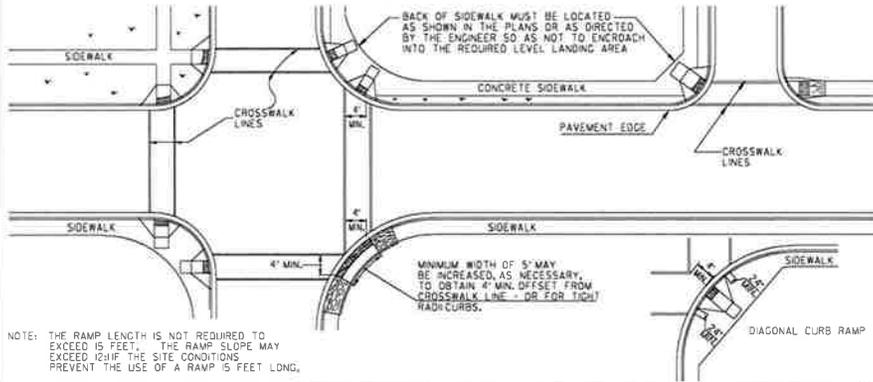


CHATHAM COUNTY
 DEPARTMENT OF ENGINEERING
 124 BULL STREET, SUITE 430
 SAVANNAH, GA 31401
 PHONE: (912) 652-7800 FAX: (912) 652-7818

REVISION DATES

CHATHAM COUNTY GA
 SIGNING MARKING AND ADA RAMP
 BERWICK BLVD ROUNDABOUT IMPROVEMENTS
 DRAWING NO. 003

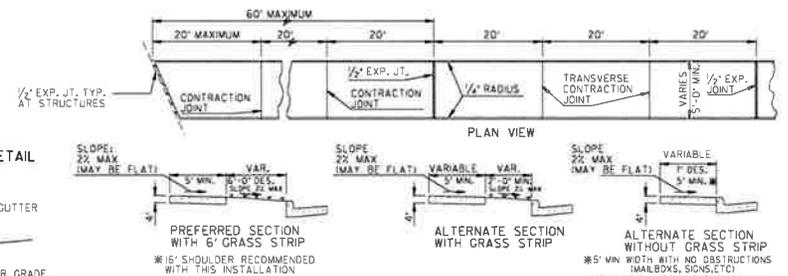
TYPICAL LOCATIONS FOR CURB CUT RAMPS - PLAN VIEW



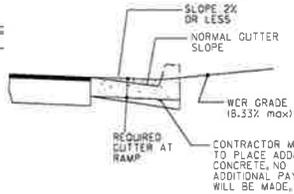
NOTE: THE RAMP LENGTH IS NOT REQUIRED TO EXCEED 12 FEET. THE RAMP SLOPE MAY EXCEED 12% IF THE SITE CONDITIONS PREVENT THE USE OF A RAMP 15 FEET LONG.

CONCRETE SIDEWALK DETAILS

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



GUTTER TRANSITION DETAIL



NOTES FOR CONCRETE SIDEWALK:

- CONCRETE TO BE PLACED 4" THICK AND FINISHED WITH TAMP, WOOD FLOATS AND STIFF-BRISTLE BROOMS.
- TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED AT 20 FT. INTERVALS. ALL EDGES TO BE ROUNDED TO 1/4" RADIUS.
- 1/2" EXPANSION JOINTS SHALL BE PLACED WHERE SIDEWALK TIE INTO A STRUCTURE OR TERMINATE AT CURB, RAMPS OR DRIVEWAYS AND AT 60' INTERVALS.

NOTES FOR CURB CUT RAMPS:

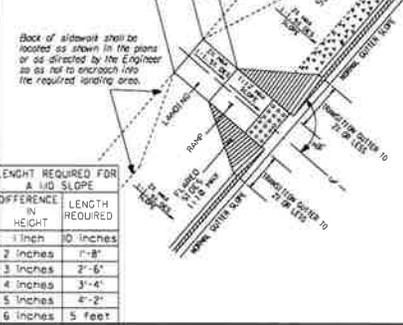
- CURB CUT RAMPS WILL BE LOCATED AS FOLLOWS UNLESS PLANS OR CONTRACT SPECIFY OTHERWISE.
 - AT ALL PEDESTRIAN CROSSWALKS WHERE CURB IS CONSTRUCTED OR REPLACED.
 - WHERE THE SIDEWALK, CONCRETE OR UNPAVED, IS INTERRUPTED BY THE CURB AT TURNOUTS OR AT INTERSECTIONS.
 - AT OTHER LOCATIONS SUCH AS HOSPITALS, NURSING HOMES, REST AREAS, ETC., WHERE THE CURB WOULD OTHERWISE BE AN OBSTRUCTION TO THE PHYSICALLY DISABLED.
- RAMPS WILL BE CONSTRUCTED FROM CONCRETE. SPECIFICATIONS FOR RAMPS WILL BE THE SAME AS FOR CONCRETE SIDEWALKS. RAMPS SHALL HAVE EITHER A ROUGH OR A TEXTURED FINISH.
- DROP INLETS ARE NOT TO BE LOCATED DIRECTLY IN FRONT OF RAMPS. CATCH BASINS SHOULD BE LOCATED AT LEAST 10 FT. FROM RAMPS WHEN FEASIBLE.
- WHERE RAMPS ARE LOCATED IN RADIUS, THE DIMENSIONS SHOWN FOR RAMP WIDTHS AND TAPERS ARE MEASURED PERPENDICULAR TO THE RAMP AND NOT ALONG THE CURVE.
- WHERE UTILITY STRUCTURES CONFLICT, WHERE SIDEWALK GEOMETRY VARIES, AT SKEWED INTERSECTIONS, OR IN OTHER SPECIAL CASES, THE RAMP DESIGN MAY BE MODIFIED BY THE DESIGNER OR ENGINEER, PROVIDED THAT THE WIDTH REMAINS A MINIMUM OF 48 INCHES, AND NO SLOPE ON THE ACCESSIBLE PART OF THE RAMP IS STEEPER THAN 12:1.
- 1 1/2" FT. OF CURB AND GUTTER WILL INCLUDE THE TRANSITIONED CURB IN FRONT OF RAMPS. 50-105" OF CONCRETE SIDEWALK AND CONCRETE MEDIAN PAVING WILL INCLUDE RAMPS. NO ADDITIONAL PAYMENT WILL BE MADE FOR CURB RAMPS. NO ADDITIONAL PAYMENT WILL BE MADE FOR SAWING AND REMOVING EXISTING SIDEWALK OR CURB WHERE NECESSARY FOR RAMP CONSTRUCTION.
- WHEN A CURB RAMP IS PLACED ON EXISTING PAVEMENT, THE PAVEMENT SHALL BE REMOVED TO PROVIDE A MINIMUM THICKNESS OF 3 INCHES OF CONCRETE AT ALL LOCATIONS; NO SEPARATE PAYMENT WILL BE MADE FOR REMOVAL OF THE PAVEMENT.
- DETECTABLE WARNING SURFACES ARE REQUIRED ON ALL INTERSECTIONS WITH PUBLIC STREETS, SIGNALIZED COMMERCIAL DRIVEWAYS, AND COMMERCIAL DRIVEWAYS WITH AN AADT OF 25 VPD.

This Detail Replaces Ga Standard 9031W

Guidelines For Usage On Metric Projects
When these details are incorporated into plans and/or projects that are being prepared or constructed in metric units, exact or precise conversion to metric units is not required. The dimensions shown that are in feet and inches may be converted to corresponding metric units using the following "Rounded-Off" conversion factors: 1" = 25mm, 4" = 100mm, and 12" or 1' = 300mm. All measurement notes that refer to linear feet and square yards shall be interpreted to mean linear meters and square meters.

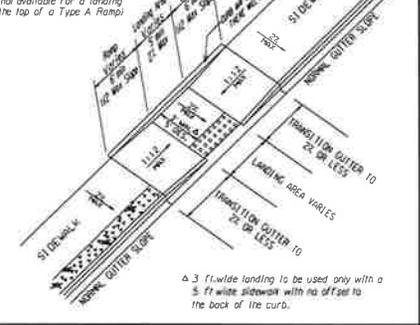
Type A

(Perpendicular)
(The Preferred Ramp)



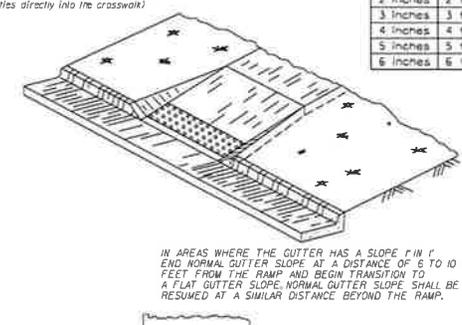
Type B

(Parallel)
(Normally used when space is not available for a landing at the top of a Type A Ramp)



Type D

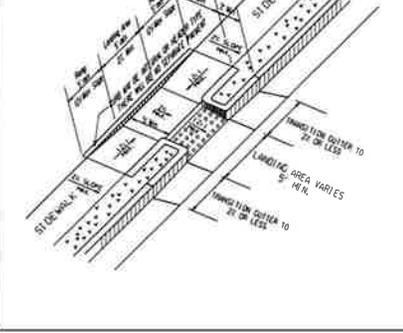
(Perpendicular)
(Normally used when the sidewalk ties directly into the crosswalk)



DIFFERENCE IN HEIGHT	LENGTH REQUIRED
1 inch	1 foot
2 inches	2 feet
3 inches	3 feet
4 inches	4 feet
5 inches	5 feet
6 inches	6 feet

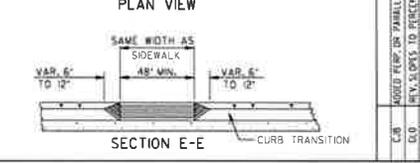
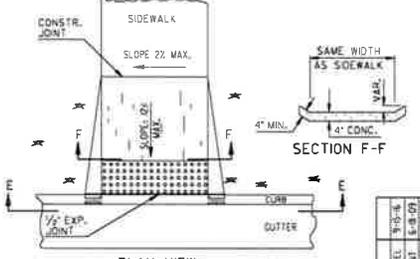
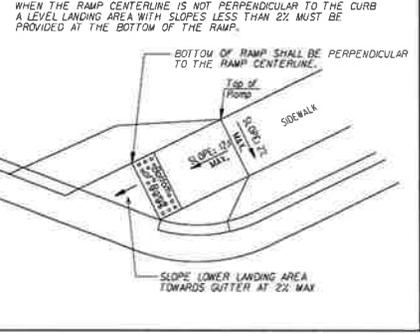
Type C

(Parallel)



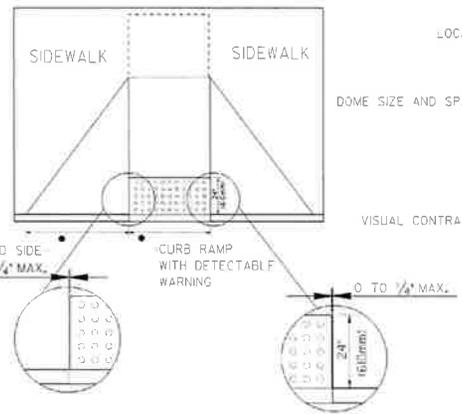
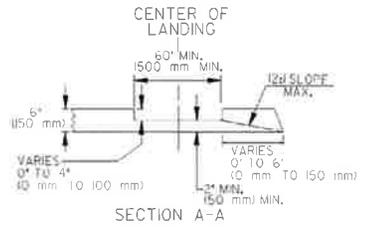
Skewed Ramp Details

(Applies to Type A Type D Ramps Only)



REV.	DATE	DESCRIPTION
1	10-10-01	REVISED
2	11-10-01	REVISED
3	12-10-01	REVISED
4	1-10-02	REVISED
5	2-10-02	REVISED
6	3-10-02	REVISED
7	4-10-02	REVISED
8	5-10-02	REVISED
9	6-10-02	REVISED
10	7-10-02	REVISED
11	8-10-02	REVISED
12	9-10-02	REVISED
13	10-10-02	REVISED
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151	4-10-14	REVISED
152	5-10-14	REVISED
153	6-10-14	REVISED
154	7-10-14	REVISED
155	8-10-14	REVISED
156	9-10-14	REVISED
157	10-10-14	REVISED
158	11-10-14	REVISED
159	12-10-14	REVISED
160	1-10-15	REVISED
161	2-10-15	REVISED
162	3-10-15	REVISED
163	4-10-15	REVISED
164	5-10-15	REVISED
165	6-10-15	REVISED
166	7-10-15	REVISED
167	8-10-15	REVISED
168	9-10-15	REVISED
169	10-10-15	REVISED
170	11-10-15	REVISED
171	12-10-15	REVISED
172	1-10-16	REVISED
173	2-10-16	REVISED
174	3-10-16	REVISED
175	4-10-16	REVISED
176	5-10-16	REVISED
177	6-10-16	REVISED
178	7-10-16	REVISED
179	8-10-16	REVISED
180	9-10-16	REVISED
181	10-10-16	REVISED
182	11-10-16	REVISED
183	12-10-16	REVISED
184	1-10-17	REVISED
185	2-10-17	REVISED
186	3-10-17	REVISED
187	4-10-17	REVISED
188	5-10-17	REVISED
189	6-10-17	REVISED
190	7-10-17	REVISED
191	8-10-17	REVISED
192	9-10-17	REVISED
193	10-10-17	REVISED
194	11-10-17	REVISED
195	12-10-17	REVISED
196	1-10-18	REVISED
197	2-10-18	REVISED
198	3-10-18	REVISED
199	4-10-18	REVISED
200	5-10-18	REVISED
201	6-10-18	REVISED
202	7-10-18	REVISED
203	8-10-18	REVISED
204	9-10-18	REVISED
205	10-10-18	REVISED
206	11-10-18	REVISED
207	12-10-18	REVISED
208	1-10-19	REVISED
209	2-10-19	REVISED
210	3-10-19	REVISED
211	4-10-19	REVISED
212	5-10-19	REVISED
213	6-10-19	REVISED
214	7-10-19	REVISED
215	8-10-19	REVISED
216	9-10-19	REVISED
217	10-10-19	REVISED
218	11-10-19	REVISED
219	12-10-19	REVISED
220	1-10-20	REVISED
221	2-10-20	REVISED
222	3-10-20	REVISED
223	4-10-20	REVISED
224	5-10-20	REVISED
225	6-10-20	REVISED
226	7-10-20	REVISED
227	8-10-20	REVISED
228	9-10-20	REVISED
229	10-10-20	REVISED
230	11-10-20	REVISED
231	12-10-20	REVISED
232	1-10-21	REVISED
233	2-10-21	REVISED
234	3-10-21	REVISED
235	4-10-21	REVISED
236	5-10-21	REVISED
237	6-10-21	REVISED
238	7-10-21	REVISED
239	8-10-21	REVISED
240	9-10-21	REVISED
241	10-10-21	REVISED
242	11-10-21	REVISED
243	12-10-21	REVISED
244	1-10-22	REVISED
245	2-10-22	REVISED
246	3-10-22	REVISED
247	4-10-22	REVISED
248	5-10-22	REVISED
249	6-10-22	REVISED

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

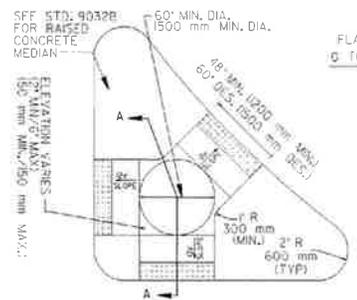


SIZE: DETECTABLE WARNINGS SHALL BE 24 INCHES (610 mm) IN THE DIRECTION OF PEDESTRIAN TRAVEL AND EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE.

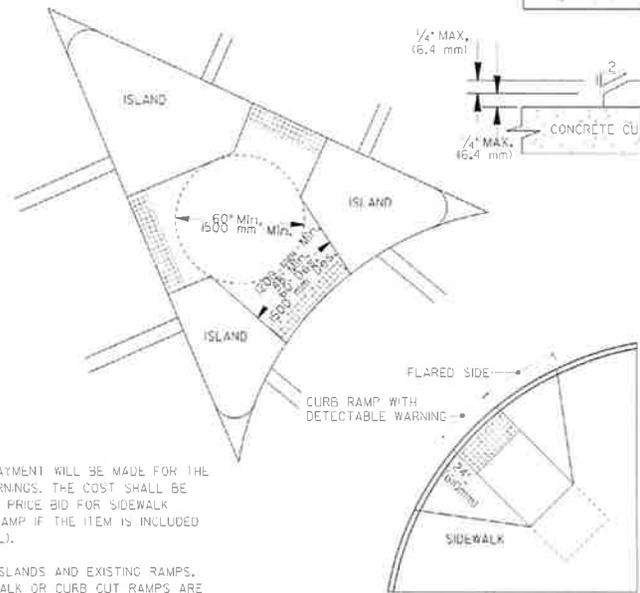
LOCATION: THE DETECTABLE WARNING SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE OR OTHER POTENTIAL HAZARD IS 6 TO 8 INCHES (150 mm TO 180 mm) FROM THE CURB LINE OF OTHER POTENTIAL HAZARD, SUCH AS A REFLECTIVE POOL EDGE OR THE DYNAMIC ENVELOPE OF RAIL OPERATIONS.

DOME SIZE AND SPACING: TRUNCATED DOMES SHALL HAVE A BASE DIAMETER OF 0.9 INCH TO 1.4 INCH (23mm-36mm) AT THE BOTTOM, A DIAMETER OF 0.45 INCH TO 0.9 INCH (11mm-23mm) AT THE TOP, THE TOP DIAMETER SHALL BE A MINIMUM OF 50% AND A MAXIMUM OF 65% OF THE BASIC DIAMETER, A HEIGHT OF 0.2 INCH (5.1mm) AND A CENTER-TO-CENTER SPACING OF 2.4 INCHES (61mm) DESIRABLE 1.60 INCHES (41mm) MINIMUM MEASURED ALONG ONE SIDE OF A SQUARE ARRANGEMENT. DOMES SHALL HAVE A SQUARE ARRANGEMENT, DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN DOMES.

VISUAL CONTRAST: DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH THE ADJACENT WALKING SURFACE EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT. THE MATERIAL USED TO PROVIDE VISUAL CONTRAST SHALL BE AN INTEGRAL PART OF THE DETECTABLE WARNING SURFACE.



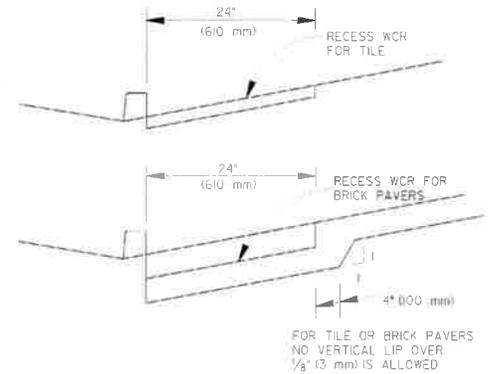
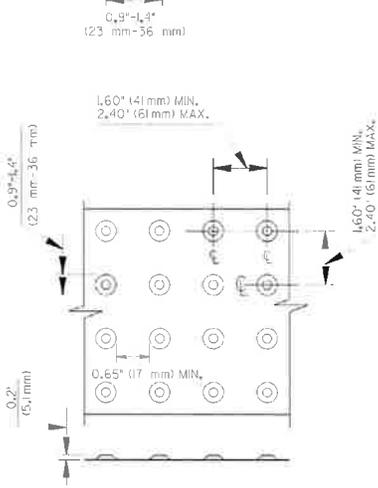
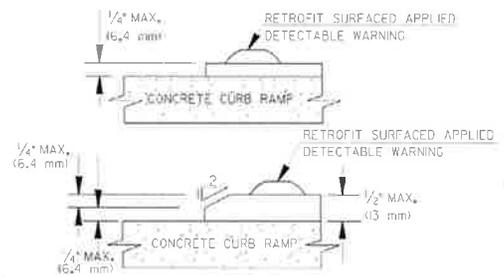
CONCRETE ISLAND WITH ELEVATED CUT THROUGH



DETAIL FOR DETECTABLE WARNING AT CUT-THRU CONCRETE ISLAND

NO SEPARATE PAYMENT WILL BE MADE FOR THE DETECTABLE WARNINGS. THE COST SHALL BE INCLUDED IN THE PRICE BID FOR SIDEWALK OR CURB CUT RAMP IF THE ITEM IS INCLUDED IN THE PROPOSAL.

FOR CUT-THRU ISLANDS AND EXISTING RAMPS, WHERE NO SIDEWALK OR CURB CUT RAMPS ARE IN THE PROPOSAL, THE COST OF THE DETECTABLE WARNINGS SHALL BE INCLUDED IN THE OVERALL BID PRICE SUBMITTED.



MATERIALS:

NEW CONSTRUCTION

THE DETECTABLE WARNINGS SHALL BE MADE OF MATERIALS SPECIFIED ON OPL 8T.

RETROFIT OF EXISTING RAMPS

SURFACED APPLIED MATERIALS WILL ONLY BE APPROVED TO BE USED ON EXISTING WHEELCHAIR RAMPS.

INSTALLATION:

BRICK PAVERS SHALL BE SET IN A WET MORTAR BED. THE BED SHALL BE PLACED ON CONCRETE. THE CONCRETE SHALL BE A MINIMUM OF 4" THICK.

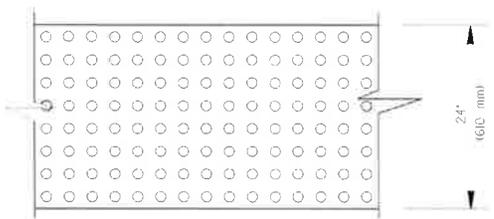
CERAMIC TILE SHALL BE EPOXYED IN PLACE OR SET IN A WET MORTAR BED. MANUFACTURER RECOMMEND ADHESIVE OR FASTENER SHALL BE USED IN THE INSTALLATION.

ALL OTHER MATERIALS SHALL BE INSTALLED ACCORDING TO MANUFACTURERS DETAILS OR INSTRUCTION.

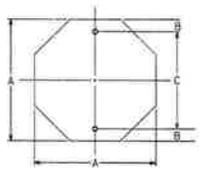
GENERAL NOTES:

- RETROFIT SURFACED APPLIED MATERIALS ONLY: CHANGES IN LEVEL OF 1/4" (6.4 mm) HIGH MAXIMUM SHALL BE PERMITTED VERTICALLY ON SURFACED APPLIED MATERIALS.
- CHANGES IN LEVEL BETWEEN 1/4" (6.4 mm) HIGH MINIMUM AND 1/2" (13 mm) HIGH MAXIMUM SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 2:1.

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
SPECIAL DETAIL	
DETECTABLE WARNING SURFACE TRUNCATED DOME SIZE, SPACING AND ALIGNMENT REQUIREMENTS	
NO SCALE	MARCH 12, 2002
NUMBER A4	

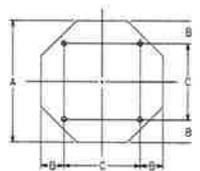


STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



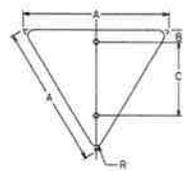
A	B	C
24	3	18
30	3	24
36	3	30

OCTAGON

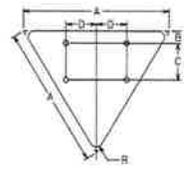


A	B	C
48	9	30

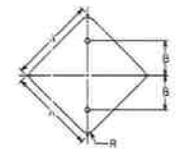
EQUILATERAL TRIANGLE



A	B	C	R
30	3	18	1 1/2
36	3	21	2
48	3	27	3

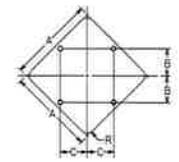


A	B	C	D	R
60	3	18	15	3



A	B	R
24	12	1 1/2
30	15	1 3/4
36	18	2 1/4

DIAMOND



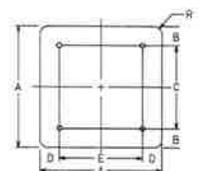
A	B	C	R
36	10	10	2 1/4
48	15	15	3
60	18	18	3 3/4

* FOR TWO POST ERECTION



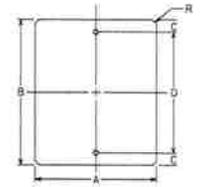
A	B	C	R
18	3	12	1 1/2
24	3	18	1 1/2
30	3	24	1 3/4

SQUARE

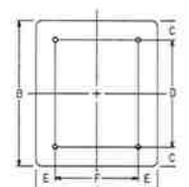


A	B	C	D	E	R
36	6	24	6	24	2 1/4
48	6	36	6	36	3

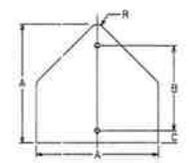
VERTICAL RECTANGLE



A	B	C	D	R
12	18	1 1/2	15	1 1/2
18	24	3	18	1 1/2
24	30	3	24	1 1/2
30	36	3	30	1 3/4

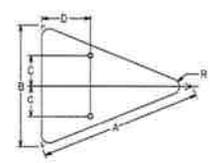


A	B	C	D	E	F	R
36	48	6	36	6	24	2 1/4
48	60	6	48	9	30	3



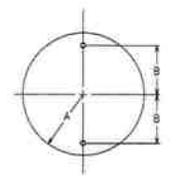
A	B	C	R
30	21	3	1 3/8
36	24	3	2 1/4

PENTAGON



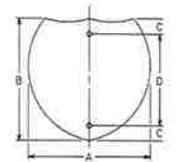
A	B	C	D	R
40	30	7 1/2	12	1 3/8
48	36	9	15	2 1/4

ISOSCELES TRIANGLE



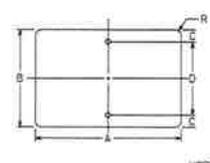
A	B
15	12
18	15

CIRCLE



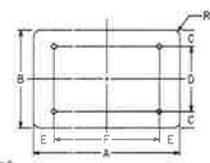
A	B	C	D
24	24	3	18
30	24	3	18
36	36	6	24
45	36	6	24

INTERSTATE SHIELD



A	B	C	D	R
21	15	1 1/2	12	1 1/2
24	12	1 1/2	9	1 1/2
24	18	3	12	1 1/2
30	15	1 1/2	12	1 1/2
30	24	3	18	1 1/2
36	12	1 1/2	9	1 1/2
36	24	3	18	1 1/2
48	12	1 1/2	9	1 1/2
48	24	3	18	1 3/4

HORIZONTAL RECTANGLE



A	B	C	D	E	F	R
48	36	6	24	9	30	2 1/4
60	24	3	18	12	36	1 1/2
60	36	6	24	12	36	2 1/4

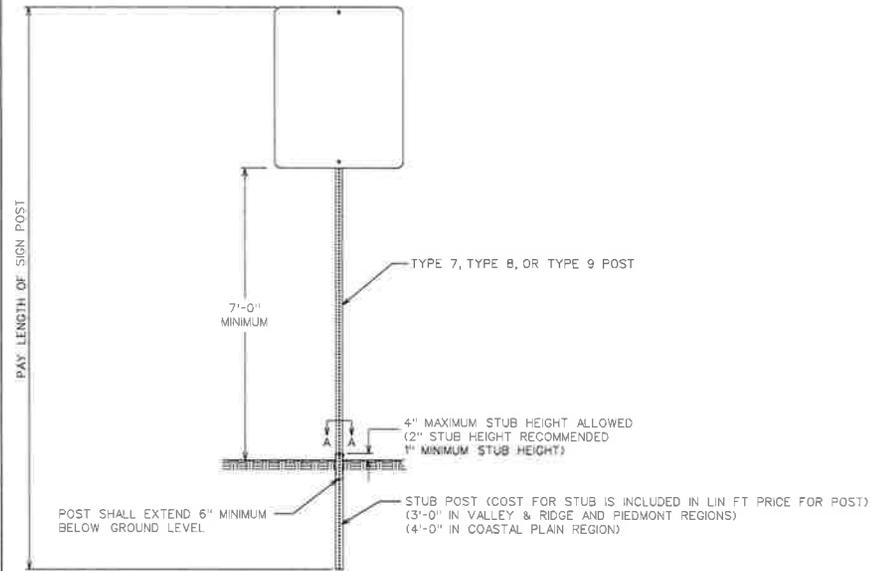
DATE	REVISIONS

GEORGIA DEPARTMENT OF TRANSPORTATION
OFFICE OF TRAFFIC SAFETY & DESIGN

DETAILS OF SIGN PLATES

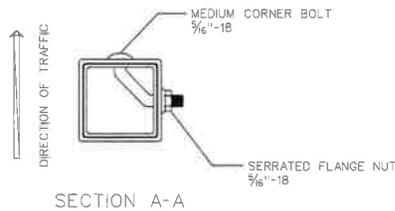
NO SCALE JANUARY 2000

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



FRONT VIEW

POST	STUB SIZE
TYPE 7	2 1/4" x 2 1/4"
TYPE 8	2 3/4" x 2 3/4"
TYPE 9	2 1/2" x 2 1/2"



SECTION A-A

SIGN POST SELECTION CHART

70 mph Wind Load Chart - 150' Gust Factor

Sign Centroid	SLIP BASE NOT REQUIRED			GROUND MOUNTED BREAKAWAY SIGN SUPPORT REQUIRED					
	TYPE 7 2 1/4 go		TYPE 9 2 1/2" 14 go	TYPE 8 2 1/2" 12 go	TYPE 8 2 1/2" 12 go		TYPE 8 w / TYPE 9 Insert 2 1/2" 12 go W / 2 1/4" 14 go		
	1 Post	2 Post	1 Post	1 Post	2 Post	3 Post	1 Post	2 Post	3 Post
	SQUARE FOOTAGE								
6'	13.50	27.00	19.25	30.00	60.00	90.00	49.25	98.50	147.75
7'	11.60	23.20	16.50	26.75	53.50	80.25	42.25	84.50	126.75
8'	10.15	20.30	14.45	23.55	47.10	70.65	37.00	74.00	111.00
9'	9.00	18.00	12.85	20.00	40.00	60.00	32.85	65.70	98.55
10'	8.10	16.20	11.55	18.00	36.00	54.00	29.55	59.10	88.65
11'	7.40	14.80	10.50	16.40	32.80	49.20	26.90	53.80	80.70
12'	6.80	13.60	9.65	15.00	30.00	45.00	24.85	49.70	74.55
13'	6.25	12.50	8.90	13.85	27.70	41.55	22.75	45.50	68.25
14'	5.80	11.60	8.25	12.90	25.80	38.70	21.15	42.30	63.45
15'	5.00	10.00	7.45	10.10	20.20	30.30	16.55	33.10	49.65
16'	4.70	9.40	7.05	9.45	18.90	28.35	15.50	31.00	46.50
17'	4.40	8.80	6.70	8.90	17.80	26.70	14.80	29.20	43.80
18'	4.15	8.30	6.40	8.40	16.80	25.20	13.80	27.60	41.40
19'	3.95	7.90	6.10	7.95	15.90	23.85	13.05	26.10	39.15
20'	3.75	7.50	5.85	7.55	15.10	22.65	12.40	24.80	37.20

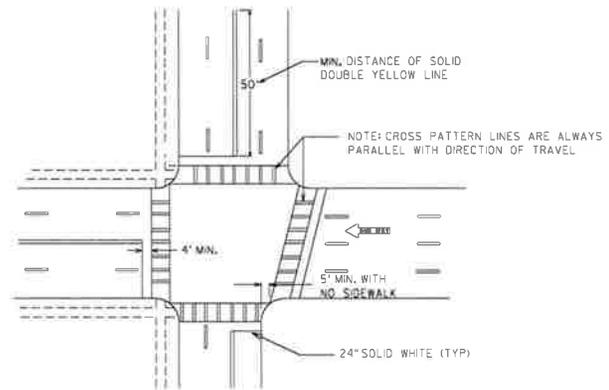
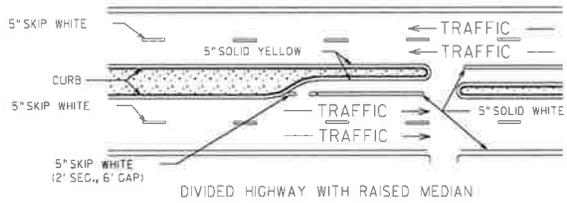
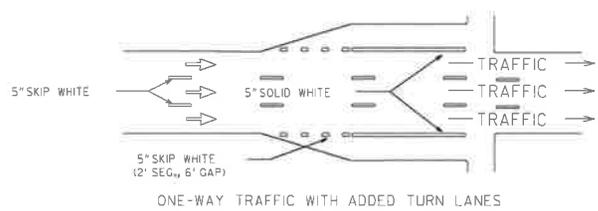
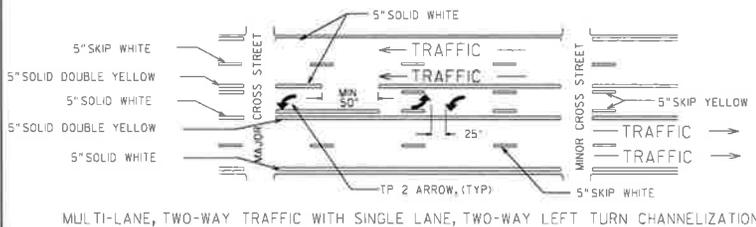
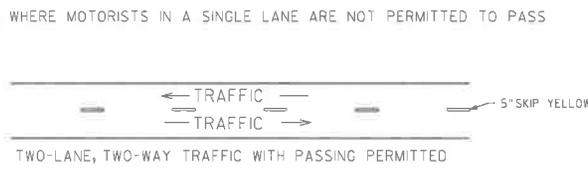
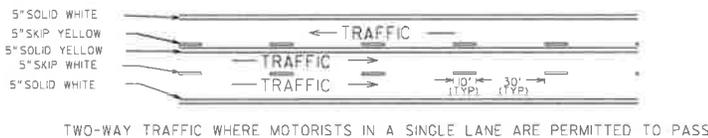
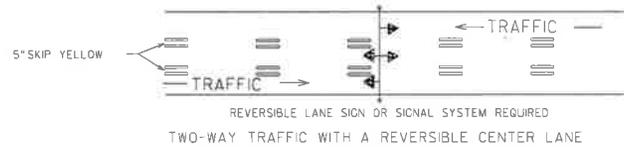
SIGN CENTROID IS DISTANCE FROM GROUND LEVEL TO BOTTOM OF SIGN PLUS HALF THE HEIGHT OF SIGN.
EXAMPLE: 24" X 48" SIGN THAT IS 7 FEET FROM GROUND TO BOTTOM OF SIGN, ADD HALF OF 48" (24" OR 2 FT) PLUS 7 FT. = 9' CENTROID.

SIGN PLATE SHALL NOT EXCEED 48" IN WIDTH ON A SINGLE POST.

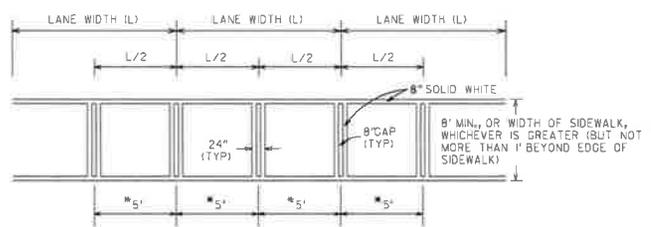
TYPE 9 INSERT SHALL BE A CONTINUOUS POST INSERTED INTO THE TYPE 8 POST WHERE REQUIRED. THE INSERT POST SHALL EXTEND FROM THE BOTTOM OF THE SLIP BASE UPPER ASSEMBLY TO 4" BELOW THE BOTTOM OF THE SIGN. THE INSERT POST SHALL NOT EXTEND ABOVE THE BOTTOM OF THE SIGN. PAYMENT FOR THE INSERT POST SHALL BE PER LINEAR FOOT OF TYPE 9 POST.

GROUND MOUNTED BREAKAWAY SIGN SUPPORT WILL BE MEASURED AND PAID FOR SEPARATELY. THE COST FOR THIS WORK SHALL INCLUDE THE UPPER AND LOWER ASSEMBLY, STUB POST, CLASS "A" CONCRETE, ALL HARDWARE NECESSARY TO COMPLETE THE INSTALLATION, AND BE INCLUDED IN THE BID PRICE SUBMITTED FOR ITEM 636-3010.

DATE	REVISIONS	GEORGIA DEPARTMENT OF TRANSPORTATION OFFICE OF TRAFFIC SAFETY & DESIGN
		TYPE 7, 8, AND 9 SQUARE TUBE POST INSTALLATION DETAIL
		NO SCALE JULY 2002



TYPICAL LOCATION OF CROSSWALKS AND STOP BARS



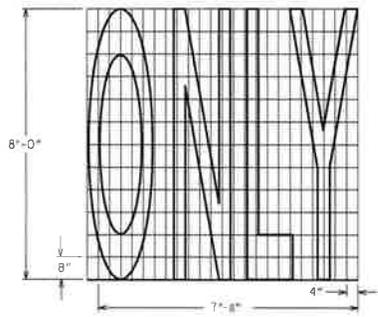
*USE WHERE THE LANE WIDTH EXCEEDS 12' OR WHERE LANE LINES HAVE BEEN OMITTED

CROSSWALK DETAIL

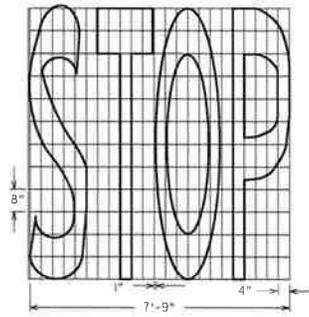
- GENERAL NOTES:
1. SPACING BETWEEN DOUBLE LINES SHALL BE EQUAL TO THE LINE WIDTH.
 2. EDGE LINES SHALL BE PLACED A MINIMUM OF 4 INCHES FROM THE NORMAL EDGE OF PAVEMENT.
 3. CONTRAST MARKINGS FOR SKIP STRIPING SHALL BE AS SHOWN IN DETAIL T-IIA.

DEPARTMENT OF TRANSPORTATION		STATE OF GEORGIA	
CONSTRUCTION DETAILS			
PAVEMENT MARKING PLACEMENT			
NON-LIMITED ACCESS ROADWAY			
NO SCALE		JANUARY 2000	
DESIGNED	BY	NUMBER	T-IIA
DRAWN	BY		
TRACED	BY		
CHECKED	BY		

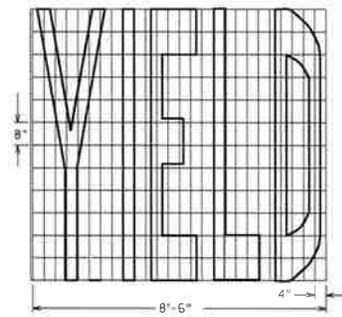
STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



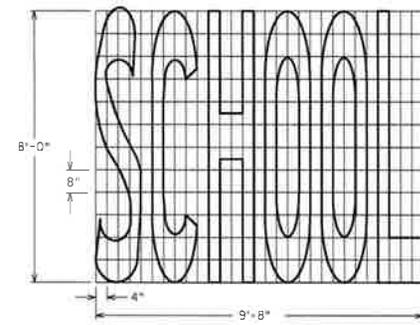
TYPE 1
AREA = 20.8 FT²



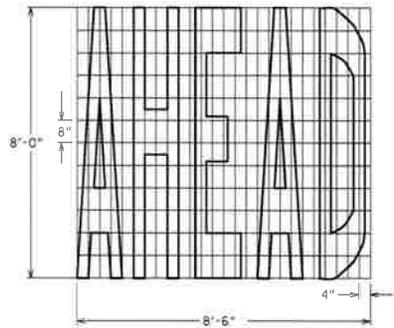
TYPE 2
AREA = 25.4 FT²



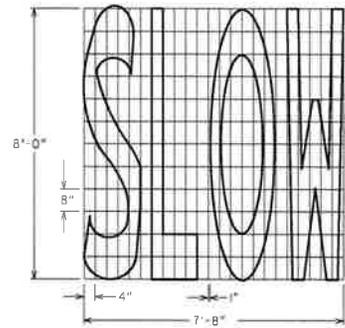
TYPE 15
AREA = 25.4 FT²



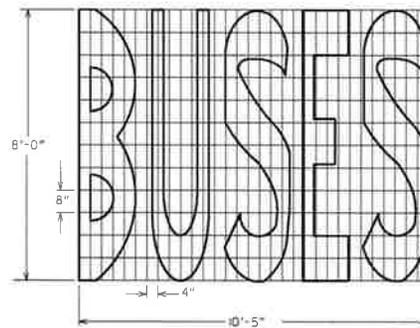
TYPE 3A
(SINGLE LANE)
AREA = 33.5 FT²



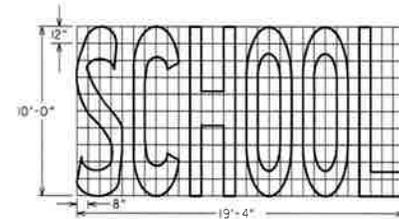
TYPE 4
AREA = 29.1 FT²



TYPE 5
AREA = 25.4 FT²



TYPE 6
AREA = 38.1 FT²



TYPE 3B
(TWO LANES)
AREA = 85.0 FT²

9-16-16		DATE		DEPARTMENT OF TRANSPORTATION			
REVISION				STATE OF GEORGIA			
CONTRACT NUMBER TO SLIDE 3				CONSTRUCTION DETAILS			
BY				DETAILS OF PAVEMENT MARKING WORDS			
DESIGNED				NO SCALE SHEET 1 OF 3 JANUARY 2000			
DRAWN				NUMBER			
TRACKED				T-13A			
CHECKED							

ASPHALT OBSERVATIONS REPORT

Report Number: ES191142.0001
Service Date: 07/29/19
Report Date: 08/06/19
Task:



2201 Rowland Ave
Savannah, GA 31404-4434
912-629-4000

Client

Chatham County GA
Engineering Department
Attn: Pamela Bernard
124 Bull St Rm 430
Savannah, GA 31412-8161

Project

2019 Misc Asphalt Coring Exploration
Southbridge Blvd.
Savannah, GA

Project No. ES191142

Southbridge Blvd #1

Depth Below Grade (inch)	Material Description	USCS Classification
0-1.50"	Asphalt Core	N/A
1.50"-9.0"	Limestone Aggregate Base	GP-GM

Southbridge Blvd #2

Depth Below Grade (inch)	Material Description	USCS Classification
0-1.50"	Asphalt Core	N/A
1.50"-8.5"	Granite Aggregate Base	GP-GM

Southbridge Blvd #3 (Intersection of Greenview Drive)

Depth Below Grade (inch)	Material Description	USCS Classification
0-5.00"	Asphalt Core	N/A
5.00"-12.00"	Limestone Aggregate Base	GP-GM
12.00"-14.00"	Light Gray SAND with Silt	SP-SM
14.00"-24.00"	Light Brown Sand	SP

Greenview Drive #1 (near 108 Greenview Dr.)

Depth Below Grade (inch)	Material Description	USCS Classification
0-1.50"	Asphalt Core	N/A
1.50"-12.00"	Granite Aggregate Base	GP-GM
12.00"-24.00"	Light Brown SAND with Clay	SP-SC

Services:

Terracon Rep: Barton Hill

Reported To:

Contractor:

Report Distribution

(1) Chatham County GA, Pamela

Reviewed By:

Kevin Golden
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 similar or identical materials.

ASPHALT OBSERVATIONS REPORT

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2201 Rowland Ave
Savannah, GA 31404-4434
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124 Bull St Rm 430
Savannah, GA 31412-8161

Project

2019 Misc Asphalt Coring Exploration
Southbridge Blvd.
Savannah, GA

Project No. ES191142

Greenview Drive #2

Depth Below Grade (inch)	Material Description	USCS Classification
0-1.50"	Asphalt Core	N/A
1.50"-10.00"	Granite Aggregate Base	GP-GM

Sandy Pond Court

Depth Below Grade (inch)	Material Description	USCS Classification
0-2.25"	Asphalt Core	N/A
2.25"-8.75"	Granite Aggregate Base	GP-GM

Kings Way

Depth Below Grade (inch)	Material Description	USCS Classification
0-2.00"	Asphalt Core	N/A
2.00"-8.00"	Soil Cement	N/A

Kings Way Court

Depth Below Grade (inch)	Material Description	USCS Classification
0-2.00"	Asphalt Core	N/A
2.00"-8.5"	Soil Cement	N/A

Services:

Terracon Rep: Barton Hill

Reported To:

Contractor:

Report Distribution

(1) Chatham County GA, Pamela

Reviewed By:

Kevin Golden
Staff Engineer

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ASPHALT OBSERVATIONS REPORT

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2201 Rowland Ave
Savannah, GA 31404-4434
912-629-4000

Client

Chatham County GA
Engineering Department
Attn: Pamela Bernard
124 Bull St Rm 430
Savannah, GA 31412-8161

Project

2019 Misc Asphalt Coring Exploration
Southbridge Blvd.
Savannah, GA

Project No. ES191142

Tara Manor Drive

Depth Below Grade (inch)	Material Description	USCS Classification
0-1.00"	Asphalt Core	N/A
1.00"-7.00"	Soil Cement	N/A

Services:

Terracon Rep: Barton Hill

Reported To:

Contractor:

Report Distribution

(1) Chatham County GA, Pamela

Reviewed By:

Kevin Golden
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 similar or identical materials.

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 provided for the employees during the performance of the contract; and
2. Each sub-contractor under the direction of the Contractor shall secure the following written certification:

_____ (CONTRACTOR)
certifies to Chatham County that a Drug-Free Workplace will be provided for the employees during the performance of this contract known as procurement **Pavement Rehabilitation 2020 1st Let** (PROJECT) pursuant to paragraph (7) of subsection (B) of Code Section 50-24-3. Also, the undersigned further certifies that he/she will not engage in the unlawful manufacture, sale, distribution, possession, or use of a controlled substance or marijuana during the performance of the contract.

CONTRACTOR

DATE

NOTARY

DATE

ATTACHMENT B

PROMISE OF NON-DISCRIMINATION STATEMENT

Know All Men By These Presence, that I (We), _____
Name

_____, _____
Title Name of Bidder

(herein after Company) in consideration of the privilege to bid/or propose on the following Chatham County project procurement **Pavement Rehabilitation 2020 1st Let** hereby consent, covenant and agree as follows:

- (1) No person shall be excluded from participation in, denied the benefit of or otherwise discriminated against on the basis of race, color, national origin or gender in connection with the bid submitted to Chatham County or the performance of the contract resulting therefrom;
- (2) That it is and shall be the policy of this Company to provide equal opportunity to all business persons seeking to contract or otherwise interested with the Company, including those companies owned and controlled by racial minorities, and women;
- (3) In connection herewith, I (We) acknowledge and warrant that this Company has been made aware of, understands and agrees to take affirmative action to provide minority and women owned companies with the maximum practicable opportunities to do business with this Company on this contract;
- (4) That the promises of non-discrimination as made and set forth herein shall be continuing throughout the duration of this contract with Chatham County;
- (5) That the promises of non-discrimination as made and set forth herein shall be and are hereby deemed to be made a part of and incorporated by reference in the contract which this Company may be awarded;
- (6) That the failure of this Company to satisfactorily discharge any of the promises of non-discrimination as made and set forth above may constitute a material breach of contract entitling the County to declare the contract in default and to exercise appropriate remedies including but not limited to termination of the contract.

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.

1. List any convictions of any person, subsidiary, or affiliate of the company, arising out of obtaining, or attempting to obtain a public or private contract or subcontract, or in the performance of such contract or subcontract.

2. List any indictments or convictions of any person, subsidiary, or affiliate of this company for offenses such as embezzlement, theft, fraudulent schemes, etc. or any other offenses indicating a lack of business integrity or business honesty which affects the responsibility of the contractor.

3. List any convictions or civil judgments under states or federal antitrust statutes.

4. List any violations of contract provisions such as knowingly (without good cause) to perform, or unsatisfactory performance, in accordance with the specifications of a contract.

5. List any prior suspensions or debarments by any governmental agency.

6. List any contracts not completed on time.

7. List any penalties imposed for time delays and/or quality of materials and workmanship.

8. List any documented violations of federal or any state labor laws, regulations, or standards, occupational safety and health rules.

I, _____, as _____
Name of individual Title & Authority

of _____, declare under oath that

Company Name _____

the above statements, including any supplemental responses attached hereto, 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: _____

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 CHATHAM COUNTY 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 subcontractor 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 under a contract with _____ (name of contractor) on behalf of CHATHAM COUNTY 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 subcontractor will continue to use the federal work authorization program throughout the contract period and the undersigned subcontractor will contract for the physical performance of services in satisfaction of such contract only with sub-subcontractors who present an affidavit to the subcontractor with the information required by O.C.G.A. § 13-10-91 (b). Additionally, the undersigned subcontractor will forward notice of the receipt of an affidavit from a sub-subcontractor to the contractor within five (5) business days of receipt. If the undersigned subcontractor receives notice of receipt of an affidavit from any sub-subcontractor that has contracted with a sub-subcontractor to forward, within five (5) business days of receipt, a copy of such notice to the contractor. Subcontractor 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 Subcontractor

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:

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 complete to the best of my knowledge and belief.

(Printed or typed Name of Signatory)

(Signature)

(Date)

NOTE: 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: _____

Bid No: _____

M/WBE Firm	Type of Work	Contact Person/ Phone #	City, State	%	MBE or WBE

MBE Total _____

WBE Total _____%

M/WBE Combined _____%

The undersigned should enter into a formal agreement with M/WBE Contractor identified herein for work listed in this schedule conditioned upon execution of contract with the Chatham County Board of Commissioners.

Signature _____ Print _____

Phone () _____

Fax () _____

ATTACHMENT G

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

By executing this affidavit under oath, as an applicant for a Chatham County, Georgia Business License or Occupation Tax Certificate, Alcohol License, Taxi Permit, Contract or other public benefit as reference in O.C.G.A. Section 50-36-1, I am stating the following with respect to my bid for a Chatham County contract for _____. [Name of natural person applying on behalf of individual, business, corporation, partnership, or other private entity]

1.) _____ I am a citizen of the United States.

OR

2.) _____ I am a legal permanent resident 18 years of age or older.

OR

3.) _____ I am an otherwise qualified alien (8 § USC 1641) or non-immigrant under the Federal Immigration and Nationality Act (8 USC 1101 et seq.) 18 years of age or older and lawfully present in the United States.*

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

Signature of Applicant:

Date

Printed Name:

SUBSCRIBED AND SWORN
BEFORE ME ON THIS THE
____ DAY OF _____, 20__

* _____
Alien Registration number for non-citizens.

Notary Public
My Commission Expires:

REFERENCE FORM

REFERENCES - \$499,999 or more: On July 25, 2003 the Board of Commissioners directed that all construction projects with a bid of \$499,999 or less, for bidders to be responsive each must provide information on the most recent three (3) projects with similar scope of work as well as other information to determine experience and qualifications as follows. 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

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 _____
- g. List previous contracts your company performed for Chatham County by Project Title, date 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.

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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.
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- a. Project Name: _____
Location: _____
Owner: _____
Address: _____
City and State: _____
Contact: _____
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- 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.

CHECKLIST FOR SUBMITTING BID

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. ORIGINAL 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 ALL 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](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. COPY OF PRIME CONTRACTOR GDOT PRE-QUALIFICATION.

NAME/TITLE

COMPANY NAME

ADDRESS

CITY/STATE/ZIP

PHONE / FAX NUMBERS

E-MAIL

LEGAL NOTICE
CC NO. 167805
Invitation to Bid

Sealed Bids will be received until **2:00 P.M.** on **FEBRUARY 13, 2020** 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 : 20-0003-4 PAVEMENT REHABILITATION 2020 – 1ST LET.

PRE-BID CONFERENCE: Conference will be held at The Chatham County Citizens Service Center, 1117 Eisenhower Drive, Suite C, Savannah, Georgia on JANUARY 30, 2020, at 2:00 P.M. You are strongly encouraged to attend.

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

For any additional questions regarding this bid, please contact Robert Marshall, Senior Procurement Specialist, at 912-790-1622.or rmarshall@chathamcounty.org

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: Jan 15, 2020
Please send affidavit to:
Chatham County Purchasing & Contracting Department
1117 Eisenhower Drive, Suite C
Savannah, Georgia 31406
(912) 790-1622