



# REQUEST FOR BIDS

For

## CHESTER COUNTY

**CHESTER CTC 2023 PAVING PROGRAM - 21 ROADS – RFB: 22-54.03**

**Advertisement Date: Wednesday, September 7, 2022**

**Project Number: 22-54.03**

**Bids Due: Tuesday, October 4, 2022, 2:00 PM**

**Length: 5.88 Miles**

**Type: Resurfacing and Base Work on 17 County Roads and Miscellaneous Work on 4 More County Roads in Chester County, South Carolina**

**Engineer: INFRASTRUCTURE CONSULTING & ENGINEERING (ICE)**

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

**Address:** \_\_\_\_\_  
\_\_\_\_\_

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## SECTION I: NOTICE TO CONTRACTORS

**PROJECT NAME:** CHESTER COUNTY

**PROJECT NUMBER:** 22-54.03

**PROJECT LOCATION:** 21 ROADS in VARIOUS LOCATIONS, in Chester County, SC

**BID BOND/SECURITY:** Required at 5% of the bid amount

**PERFORMANCE BOND:** Required at 100% of the bid amount

**PAYMENT BOND:** Required at 100% of the bid amount

**DBE PARTICIPATION:** Encouraged at 5% or greater

**DESCRIPTION OF PROJECT:** Resurfacing and Base Work on 17 County Roads and Miscellaneous Work on 4 More County Roads in Chester County, South Carolina

**AGENCY/OWNER:** Chester County, 1476 J A Cochran Bypass, Chester SC 29706

**ENGINEER:** Infrastructure Consulting & Engineering (ICE) 121 Midlands Court, West Columbia SC 29169  
Project Manager, Bill Coleman Phone: 803-822-0333 - Email: [bill.coleman@ice-eng.com](mailto:bill.coleman@ice-eng.com) Cell 803-261-5581

**QUESTIONS:** All questions, requests, and correspondence shall be addressed to the Project Manager, Bill Coleman. All questions concerning the Bid Documents shall be in writing and submitted by **September 30, 2022**. All answers and questions will be sent to all known plan holders.

**PLANS AND BIDDING DOCUMENTS:** Chester County Procurement Office, ICE, Columbia, South Carolina

**PLAN DEPOSIT:** Bid Documents may be obtained as electronic copy from the engineer or the county website at no charge. \$100.00 nonrefundable fee for hard copy

**BID CLOSING AND OPENING:** **Tuesday, October 4, 2022, 2:00 PM**

**BID SUBMITTAL:** Submit Sealed Bids clearly marked "**RFB: 22-54.03**" with the bidder's name, address, and South Carolina contractor license number on the envelope to: Chester County Government Complex Executive Board Room, Attn: Ms. Susan Cok, Director of Contracts and Purchasing, 1476 J A Cochran Bypass, Chester SC 29706

**SUBSTANTIAL COMPLETION:** Project will be completed and ready for final inspection on **December 31, 2023**

**IF YOU DOWNLOAD THIS DOCUMENT,  
PLEASE EMAIL BILL COLEMAN AT  
[BILL.COLEMAN@ICE-ENG.COM](mailto:BILL.COLEMAN@ICE-ENG.COM)  
SO THAT YOU CAN RECEIVE ANY  
ADDENDA OR OTHER MODIFICATIONS  
THAT MAY BE ISSUED AT A LATER DATE**

## SECTION II: CHESTER COUNTY DOCUMENTS



## REQUEST FOR BID

*Chester County, South Carolina*

**Solicitation:** RFB: 22-54.03

**Description:** 2023 Paving Program

**Using Governmental Unit:** Chester CTC

**Procurement Officer:** Ms. Susan M. Cok

**Issue Date:** September 7, 2022

**CLOSING DATE AND TIME:** Tuesday, October 4, 2022, 2:00 PM

**CLOSING LOCATION:** Chester County Government, Council Chambers  
1476 J.A. Cochran Bypass, Chester SC 29706

**Return Proposal To:**

*Chester County  
Office of Purchasing  
PO Drawer 580  
Chester, SC 29706  
Phone (803) 581-2829*

**Express / Hand Carry To:**

*Chester County  
Office of Purchasing  
1476 J.A. Cochran Bypass  
Chester, SC 29706*

**\*\*\* Solicitation Number and Opening Time must be shown on outside of sealed envelope \*\*\***

**NUMBER OF COPIES TO BE SUBMITTED:** One (1) original

**PROCUREMENT FOR: Chester CTC 2023 Paving Program - 21 Roads - RFB: 22-54.03**

The above solicitation number shall be shown on the front of the sealed envelope in which this proposal response is submitted. Chester County assumes no responsibility for unmarked envelopes being considered for award. Only one (1) proposal per envelope. Authorized company representative is required to sign in ink below on this page in the space provided. Any proposal not signed will be automatically rejected. It is requested that completed proposals be either typewritten or handwritten in black ink only. Facsimiles are not acceptable. If County offices are closed due to inclement weather, the proposal response shall be opened at the same scheduled hour on the 3rd working day (excluding County observed holidays) after the scheduled proposal opening date. Subject to the conditions, provisions and the enclosed information, sealed proposals will be received at this office until the stated date and time and then publicly opened.

The Term "Offer" Means Your "Bid" or "Proposal"

*Susan M. Cok*

Susan M. Cok  
Director of Contracts and Procurement

In compliance with the request for proposal, and subject to all conditions thereof, the undersigned offers and agrees to furnish any or all items proposed.

AUTHORIZED SIGNATURE	PRINT NAME	DATE
COMPANY NAME	PHONE	FAX
MAILING ADDRESS	STATE	ZIP CODE
EMAIL ADDRESS	FEDERAL TAX NO.	



## I. SCOPE OF SOLICITATION

It is the intent of the County of Chester, South Carolina Purchasing Department to Solicit proposals for:

### **Chester CTC 2023 Paving Program - 21 Roads - RFB: 22-54.03**

In accordance with all requirements stated herein.

#### **SOLICITATION OUTLINE**

- I. **Scope of Solicitation**
- II. **Instructions to Offerors**
  - A. **General Instructions**
  - B. **Special Instructions**
- III. **Administrative Rules for RFP**
- IV. **Terms and Conditions**
- V. **Scope of Work / Specification**
  - May be Blank if Bidding Schedule / Cost Proposal Attached
- VI. **Calendar of Events**
- VII. **Exhibits**

## II. INSTRUCTIONS TO OFFERORS

### A. General Instructions

#### 1.0 DEFINITIONS

- 1.01** Except as otherwise provided herein, the following definitions are applicable to all parts of the solicitation. For additional definitions see the terms and conditions below.
- (1) AMENDMENT – means a document issued to supplement the original solicitation document.
  - (2) COUNTY – means the County of Chester South Carolina.
  - (3) BUYER – means the Procurement Officer.
  - (4) COVER PAGE – means the top page of the original solicitation on which the solicitation is identified by number. Offerors are cautioned that Amendments may modify information provided on the cover page.
  - (5) OFFER – means the bid or proposal submitted in response to this solicitation. The terms “Bid” and “Proposal” are used interchangeably with the term “Offer.”
  - (6) OFFEROR – means the single entity submitting the offer. The term “Bidder” is used interchangeably with the term “Offeror.” See bidding provisions entitled “Signing Your Offer” and “Bid/Proposal as Offer to Contract.”
  - (7) PROCUREMENT OFFICER – means the person, or his successor, identified as such on the Cover Page.
  - (8) YOU and YOUR – means Offeror.
  - (9) SOLICITATION – means this document, including all its parts, attachments, and any Amendments.
  - (10) USING GOVERNMENTAL UNIT – means the Using Governmental Unit(s) identified on the Cover Page.
  - (11) SUBCONTRACTOR – means any person having a contract to perform work or render service to Contractor as a part of the Contractor’s agreement arising from this solicitation.

#### 2.0 COMPETITION

- 2.01** This solicitation is intended to promote competition. If any language, specifications, items and conditions, or any combination thereof restricts or limits the requirements in this solicitation to a single source, it shall be the responsibility of the interested vendor to notify the Purchasing Office in writing within five (5) days prior to the opening date. The solicitation may or may not be changed but a review of such notification will be made prior to the award.

### **3.0 COUNTY AS PROCUREMENT AGENT**

- 3.01** Authorized Agent. All authority regarding the conduct of this procurement is vested solely with the responsible Procurement Officer. Unless specifically delegated in writing, The County Council Chairman, County Manager or the Contracts and Procurement Director are the only government officials authorized to bind the government with regard to this procurement. Purchasing Liability, the Procurement Officer is an employee of the County acting in behalf of the Using County Unit(s) pursuant to the County Procurement Code. Any contracts awarded as a result of this procurement are between the contractor and the Using County Unit(s). The Procurement Office is not a party to such contracts, unless and to the extent that the procurement office is a using county unit, and bears no liability for any party's losses arising out of relating in any way to the contract.

### **4.0 ADMENDMENTS TO SOLICITATION**

- 4.01** The solicitation may be amended at any time prior to opening. Bidders shall acknowledge receipt of any amendment to this solicitation by signing and returning the amendment, by letter, or by submitting a bid that indicates in some way that the bidder received the amendment.

### **5.0 PROPOSAL AS OFFER TO CONTRACT**

- 5.01** By submitting your Proposal, you are offering to enter into a contract with the County. Without further action by either party, a binding contract shall result upon final award. Any award issued will be issued to, and the contract will be formed with, the entity identified as the Offeror on the Cover Page. An Offer may be submitted by only one legal entity: "joint bids" are not allowed.

### **6.0 DUTY TO INQUIRE**

- 6.01** Offeror, by submitting an Offer, represents that it has read and understands the Solicitation and that its Offer is made in compliance with the Solicitation. Offerors are expected to examine the Solicitation thoroughly and should request an explanation of any ambiguities, discrepancies, errors, omissions, or conflicting statements in the Solicitation. Failure to do so will be at the Offeror's risk. Offeror assumes responsibility for any patent ambiguity in the Solicitation that Offeror does not bring to the County's attention.

### **7.0 QUESTIONS FROM OFFERORS**

- 7.01** Any prospective offeror desiring an explanation or interpretation of the solicitation, drawings specifications, etc., must request it in writing. Questions must be received by the Procurement Officer no later than five (5) days prior to opening unless otherwise stated on the Cover Page. Oral explanations or instructions will not be binding. Any information given a prospective offeror concerning a solicitation will be furnished promptly to all other prospective offerors as an Amendment to the solicitation, if that information is necessary for submitting offers or if the lack of it would be prejudicial to other prospective offerors. The County seeks to permit maximum practicable competition. Offerors are urged to advise the Procurement Officer – as soon as possible – regarding any aspect of this procurement, including any aspect of the Solicitation that unnecessarily or inappropriately limits full and open competition

### **8.0 RESTRICTIONS APPLICABLE TO OFFERORS**

- 8.01** By submitting an Offer, you agree not to discuss this procurement activity in any way with any Using Governmental Unit or its employees, agents, or officials. All communications must be solely with the Procurement Officer. This restriction expires once a contract has been formed and may be lifted by express written permission from the Procurement Officer.

### **9.0 PROPRIETARY/CONFIDENTIAL INFORMATION**

- 9.01** Trade secrets or proprietary information submitted by an offeror in connection with a procurement transaction shall not be subject to public disclosure under the Freedom of Information Act; however, the offeror must invoke the protections of this section prior to or upon submission of the data or other materials, and must identify the data or other materials to be protected and state reasons why protection is necessary. Disposition of material after award is made should be stated by the offeror. No information, materials or

other documents relating to this procurement will be presented or made otherwise available to any other person, agency, or organization until after award.

**9.02** All offerors must visibly mark as "Confidential" each part of their proposal, which they consider to contain proprietary information. **All unmarked pages will be subject to release in accordance with the guidelines set forth under Chapter 4 of Title 30 (The Freedom of Information Act) South Carolina Code of Laws and Section 11-35-410 of the South Carolina Consolidated Procurement Code.** Privileged and confidential information is defined as "information in specific detail not customarily released to the public, the release of which might cause harm to the competitive position of the part supplying the information." The examples of such information provided in the statute are:

1. Customer lists;
2. Design recommendations and identification of prospective problem areas under an RFP;
3. Design concepts, including methods and procedures;
4. Biographical data on key employees of the offeror.

**9.03** MARKING YOUR ENTIRE PROPOSAL CONFIDENTIAL/PROPRIETARY IS NOT IN CONFORMANCE WITH THE SOUTH CAROLINA FREEDOM OF INFORMATION ACT.

## **10.0 DO NOT OMIT TAXES FROM PROPOSAL**

**10.01** Do not omit any taxes in your price the County may be required to pay. Enter as separate Line item.

## **11.0 SIGNING YOUR OFFER**

**11.01** Every Offer must be signed by an individual with actual authority to bind the Offer.

**11.02** If the Offeror is an individual, the offer must be signed by that individual. If the Offeror is an individual doing business as a firm, the Offer must be submitted in the firm name, signed by the individual, and state that the individual is doing business as a firm.

**11.03** If the Offeror is a partnership, the Offer must be submitted in the partnership names, followed by the words "by its Partner," and signed by a general partner.

**11.04** If the Offeror is a corporation, the Offer must be submitted in the corporate name, followed by the signature and title of the person authorized to sign.

**11.05** An Offer may be submitted by a joint venture involving any combination of individuals, partnerships, or corporations. If the Offeror is a joint venture, the Offer must be submitted in the name of the Joint Venture and signed by every participant in the joint venture in the manner prescribed in paragraphs 11.02 through 11.04 above for each type of participant.

**11.06** If an Offer is signed by an agent, other than as stated in subparagraphs 11.02 through 11.05 above the Offer must state that it has been signed by an Agent. Upon request, Offeror must provide proof of the agent's authorization to bind the principal.

## **12.0 DEADLINE FOR SUBMISSION OF OFFER**

**12.01** Any offer received after the procurement officer of the County or his designee has declared that the time set for opening has arrived, shall be rejected unless the offer has been delivered to the designated purchasing office or the county mail room which services the purchasing office prior to bid opening.

## **13.0 SUBMITTING YOUR OFFER OR MODIFICATIONS**

**13.01** Offers and offer modifications shall be submitted in sealed envelopes or packages:

- (1) Addressed to the office specified in the Solicitation.
- (2) Showing the time and date specified for opening, the solicitation number, and the name and address of the offeror.

**13.02** Each Offeror must submit the number of copies indicated on the Cover Page.

**13.03** Offerors using commercial carrier service shall ensure that the Offer is addressed and marked on the outermost envelope or wrapper as prescribed in paragraphs 13.01. (1) and 13.01. (2) of this provision when delivered to the office specified in the Solicitation.

**13.04** Facsimile Offers, modifications, or withdrawals will not be considered unless authorized by the solicitation.

Any proposals received after the scheduled deadline, will be immediately disqualified. The County assumes no responsibility for delivery of proposals, which are mailed.

ALL MAIL IS PICKED UP FROM THE US POSTAL SERVICE ONCE DAILY AROUND 9:30 AM (EXCLUDING WEEKENDS AND HOLIDAYS).

#### **14.0 PUBLIC OPENING**

**14.01** Offers will be publicly opened at the date / time and at the location identified on the Cover Page, or last amendment, whichever is applicable. Proposals received one minute after the designated time will be considered late and will be rejected. Proposals will be opened at that time.

#### **15.0 RESPONSIVENESS / IMPROPER OFFERS**

**15.01** Bid as Specified. Offers for supplies or services other than those specified will not be considered unless authorized by the Solicitation.

**15.02** Multiple Offers. Offers may submit more than one Offer, provided that each Offer has significant differences other than price. Each separate Offer must satisfy all Solicitation requirements. While multiple Offers may be submitted, each must be submitted separately. If this solicitation is A Request for Proposal, each separate Offer must include a separate price proposal.

**15.03** Responsiveness. Any Offer which fails to conform to the material requirements of the Solicitation may be rejected as non-responsive. Offers which impose conditions that modify material requirements of the Solicitation may be rejected. If a fixed price is required, an Offer will be rejected if the total possible cost to the County cannot be determined. Offerors will not be given an opportunity to correct any material non-conformity. Any deficiency resulting from a minor informality may be cured or waived at the sole discretion of the Procurement Officer. [§11-35-1520 (13)]

**15.04** Unbalanced Bidding. The County may reject an Offer as non-responsive if the prices bid are materially unbalanced between line items or sub-line items. A bid is materially unbalanced when it is based on prices significantly less than cost for some work and prices which are significantly overstated in relation to cost for other work, and if there is a reasonable doubt that the bid will result in the lowest overall cost to the County even though it may be the low evaluated bid, or if it is so unbalanced as to be tantamount to allowing an advance payment.

#### **16.0 AWARD**

**16.01** The award of the project is conditional not only upon the proposal but also upon the qualifications of the offeror and the offer's ability to complete the project within the time frame. It is the intent of the County to award these projects to the most responsive, responsible Offeror. Considering budget restraints, it is possible that sufficient funds may not be available for all projects. Therefore, the County reserves the right to negotiate with the most responsive offeror, and award as many projects as possible. The award can be made to one or a multiple of vendors, whichever is in the best interest of the County, or unless otherwise stated on bidder's schedule. All ties will be resolved by the flip of a coin.

#### **17.0 AWARD NOTIFICATION**

**17.01** Notice regarding the County's intent to award a contract will be posted in the County Purchasing Office. The date and location of posting will be announced at opening. A bidder that requires a copy of the award notification must supply a self-addressed, stamped envelope.

#### **18.0 PROTESTS**

**18.01** Any prospective bidder, offeror, contractor, or subcontractor who is aggrieved in connection with the solicitation of a contract shall protest in writing within fifteen (15) days of the date of issue of the applicable solicitation document at issue. Any actual bidder, offeror, contractor, or subcontractor who is aggrieved in connection with the intended award or award of contract shall protest within fifteen (15) days of the date notification of award is posted in accordance with this code. A protest shall be in writing, submitted to the

Contracts and Procurement Director, and shall set forth the grounds of the protest and the relief requested with enough particularity to give notice of the issues to be decided §11-35-4210] Direct all correspondence to Director Contracts and Procurement, P. O. Drawer 580, Chester, South Carolina, 29706.

## **B. SPECIAL INSTRUCTIONS**

### **1.0 PRE-PROPOSAL CONFERENCE – NOT REQUIRED / REQUIRED**

### **2.0 SUBMISSIONS OF QUESTIONS**

#### **2.01 Primary Contact for Questions Regarding This Solicitation**

Please respond, in writing, no later than **September 30, 2022**, any questions you have regarding this Solicitation. Written responses should be directed to Bill Coleman, Project Manager, bill.coleman@ice-eng.com.

### **3.0 ADDITIONAL INFORMATION INQUIRIES**

#### **3.01 All inquiries concerning this RFP should be directed to:**

**Bill Coleman, Project Manager, cell 803-261-5581**  
**Bill.coleman@ice-eng.com**  
**121 Midlands Court**  
**West Columbia, SC 29169**  
**803-822-0333 Fax 803-822-0034**

## **III. ADMINISTRATIVE RULES FOR THE RFB**

### **1.0 TERMINOLOGY**

#### **1.01 The terminology used and the organization of the RFP is not intended to be restrictive in any way. Appropriate interpretation of the intent of the RFP should be made by the offeror in these situations**

### **2.0 AMENDMENTS**

#### **2.01 All amendments to and interpretations of this solicitation shall be in writing. Chester County shall not be legally bound by any amendment or interpretation that is not in writing. Only information supplied by the County in writing or in this RFP should be used in preparing offeror responses. All contacts that an offeror may have had before or after receipt of this RFP with any individuals, employees, or representatives of the County and any information that may have been read in any news media or seen or heard in any communication facility regarding this proposal should be disregarded in preparing responses.**

### **3.0 DISCUSSIONS/NEGOTIATIONS**

#### **3.01 By submission of a proposal, offeror agrees that during the period following issuance of the RFP and prior to final award of contract, offeror shall not discuss this procurement with any party except the Director of Contracts and Procurement or other parties that may be designated in this solicitation. Offeror shall not attempt to discuss with or attempt to negotiate with the using agency/department, any aspects of the procurement without prior approval of the Director of Contracts and Procurement.**

### **4.0 PREPARATION OF PROPOSAL:**

#### **4.01 PROPOSAL FORMAT**

Your proposal should be in the following order:

- (1) Name and contact information of person responsible for the proposal
- (2) Proposal
- (3) Compensation (in a separate sealed envelope)

- 4.02** All proposals should be complete and carefully worded and should convey all of the information requested by Chester County. If significant errors are found in the offeror's proposal, or if the proposal fails to conform to the essential requirements of the RFP, Chester County and Chester County alone will be the judge as to whether that variance is significant enough to reject the proposal.
- 4.03** Proposals should be prepared simply and economically, providing a straightforward, concise description of offerors capabilities to satisfy the requirements of the RFP. Emphasis should be on completeness and clarity of content.
- 4.04** Each copy of the proposal should be bound in a single volume where practical. All documentation submitted with the proposal should be bound in that single volume.
- 4.05** If your proposal includes any comment over and above the specific information requested in our Request for Proposal, you are to include this information as a separate appendix to your proposal.
- 4.06** Unless stated otherwise herein, the basic and governing language of the contract resulting from this solicitation shall be comprised of the RFP document, including any attachments and amendments, and the successful offeror's signed proposal. In the event of a conflict between the two documents, the RFP will govern.

## **5.0 CORRECTIONS MADE BY OFFEROR**

- 5.01** Offerors are cautioned not to obliterate, erase, or strike over any printed material as set forth in this Request for Proposal. In quoting prices, wherever Offeror has made an error and has corrected, all such corrections should be initialed by the person signing the proposal. Failure to comply with this provision may result in rejection of the proposal. All documents submitted must be legible.

## **6.0 COUNTY RESPONSIBILITY TO PROPOSAL**

- 6.01** This Solicitation does not commit Chester County to award a contract, to pay any costs incurred in the preparation of a proposal, or to procure or contract for the articles of goods or services. The County reserves the right to accept or reject any or all proposals received as a result of this request, or to cancel in part or in its entirety this proposal if it is in the best interest of the County to do so. If the proposal fails to conform to the essential requirements of the RFP, the County and the County alone will be the judge as to whether that variance is significant enough to consider the RFP non-responsive and therefore not considered for award.

## **7.0 OFFERERS RESPONSIBILITIES**

- 7.01** Each Offeror shall carefully examine all RFP documents and thoroughly familiarize itself with all requirements prior to submitting a proposal. Should an Offeror find discrepancies, ambiguities, or omissions in proposal documents, or should the Offeror be in doubt as to their meaning, Offeror shall at once request written clarification from the Director of Contracts and Procurement. The person submitting the Proposal shall be responsible for its prompt delivery. Any interpretation or clarification of the proposal documents will be made in writing to all persons.
- 7.02** Before submitting a proposal, each Offeror shall be responsible for making all investigations and examinations that are necessary to ascertain conditions and requirements affecting the requirements of this proposal. Failure to make such investigations and examinations shall not relieve the successful Offeror from the obligation to comply, in every detail, with all provisions and requirements of the request for proposal.
- 7.03** No proposal will be considered from any firm or individual that has failed to perform acceptably on any other contract with the County.
- 7.04** If the Offeror is a corporation, the proposal shall be signed in the name of and under the seal of the corporation by a duly authorized officer of the corporation with the designation of the signor's official capacity. The proposal shall show the state in which the corporation is chartered, and, if that state is other than South Carolina, the proposal shall show that the corporation is authorized to do business in the state of South Carolina. If the Offeror is a partnership, the proposal shall be signed in the name of the partnership by a general partner or other person who is duly authorized to bind the partnership. The signor's official capacity and authority shall be shown. If the Offeror is an individual or sole proprietorship, the proposal shall be signed by the individual in person, stating the name or style under which the Offeror is doing business. In

any case, the proposal shall show the current business address of the Offeror, which is to be used for receiving communications from the County.

## **8.0 WITHDRAWAL OF PROPOSALS**

**8.01** An Offeror may withdraw his proposal without prejudice to himself not later than the day and hour set in the advertisement for receiving proposals, by communicating the purpose in writing to the Director of Contracts and Procurement, 1476 J A Cochran Bypass, Chester SC 29706. When received, said proposal surety, if applicable, will be returned to the Offeror unopened. Notification of withdrawal is the sole responsibility of the Offeror.

## **9.0 MINIMUM QUALIFICATIONS:**

**9.01** The County reserves the right to determine whether Offerors have the minimum qualifications to complete the project. The determination by the County concerning Offeror qualifications shall be final.

## **10.0 REJECTION OF OFFERS**

**10.01** More than one proposal from an individual, firm, partnership, corporation, or association under the same or different names will not be considered. Any or all proposals will be rejected if there is reason to believe that collusion exists among the Offerors and no participants in such collusion will be considered in future proposals for the same work. Proposals in which the prices obviously are unbalanced will be rejected.

## **11.0 EVALUATION OF PROPOSALS**

**11.01** An evaluation committee will be established in order to review and evaluate all proposals submitted in response to this Request for Proposal. The committee shall conduct a preliminary evaluation of all responsive technical proposals. Based on the results of the preliminary evaluation, the highest rated offeror(s) may be invited by the Director of Contracts and Procurement to make oral presentations to the Evaluation Committee. This committee will then conduct a final evaluation of the offerors. The Contract and Procurement Director shall then negotiate a proposed contract with the highest qualified offeror. At the time the proposed contract is negotiated, the offeror and the Evaluation Committee may negotiate any changes desired in the Request for Proposal if deemed in the best interest of the County of Chester. If a satisfactory proposed contract cannot be negotiated with the highest qualified offeror, negotiations will be formally terminated. Negotiations shall then be undertaken with the second most qualified offeror and so on. The Committee will make appropriate recommendation to the Chester County Council prior to actual award of contract. In evaluating the proposals, the County reserves the right to accept or reject all or any part of any proposal, waive minor technicalities, and award the contract to the offeror deemed to best serve the interests of the County; and adopt any part or all of a proposal if it is judged in the best interests of the County.

**11.02** Each proposal will be evaluated on the content of the offeror's proposal, i.e., the burden of information clarification and research rests solely on each offeror's effort and will be considered a reflection of interest and efficiency.

**11.03** During the review process, the review panel shall have the right to request from offerors any other information or evidence which it deems necessary for evaluation of the proposal and relevant to any one or more of the stated evaluation factors. The failure of an offeror to promptly provide such requested information or evidence shall be sufficient grounds for determining the offeror to be non-responsive and for rejection of the proposal.

**11.04** The County reserves the right to contact an offeror for clarification of information submitted, to contact references, and to use other sources of obtaining information regarding the offeror that is deemed appropriate and would assist in the evaluation.

**11.05** Proposals, which, after discussion and submission of additional clarification and/or supplementary information, are determined to meet the specifications of the Request for Proposal, will be classified as "acceptable". Proposals found not to be acceptable will be classified, as "unacceptable" and no further discussion concerning it will be conducted.

## **12.0 EVALUATION CRITERIA**

- 12.01** The County of Chester intends to award a contract resulting from this request for proposal to the responsive and responsible offeror whose proposal is determined to be the most advantageous to the County taking into consideration price and other evaluation factors set forth herein; however, the right is specifically reserved to reject any and all proposals. Chester County shall be the sole judge of whether or not a proposal meets the requirements of this Request for Proposal.
- 12.02** Proposals will be reviewed and evaluated by the review panel based upon the evaluation factors, in addition to price, which are listed below:
1. Organizational Experience and Capabilities
    - a. Background, experience and qualifications
    - b. Financial Stability
    - c. Organisationnel Management
    - d. Personnel Qualifications
  2. Technical Quality of Proposal
    - a. General Approach and understanding of project.
  3. References
  4. Price Factor (to be computed by Contracts and Procurement Director).

## **13.0 DISCUSSIONS WITH RESPONSIVE OFFERORS:**

- 13.01** Discussions may be conducted with responsive offerors who submit proposals for the purpose of clarification to assure full understanding of the requirements of the request for proposals

## **14.0 ORAL PRESENTATION**

- 14.01** Each offeror who submits a response to this Request for Proposal *may* be required to make an oral presentation of the submitted proposal to the County. Such presentations provide an opportunity for the offeror to clarify the proposal, to ensure mutual understanding, and will in no way change the offeror's original proposal. Subsequent travel expense by the offeror will be at the offeror's expense.
- 14.02** Offerors are advised that, in the event of receipt of an adequate number of proposals, which in the opinion of the Director of Contracts and Procurement, require no clarifications and/or supplementary information, such proposals may be evaluated without further discussion. Hence, proposals should be submitted initially on the most complete and favorable terms from a technical standpoint which offerors are capable of submitting to the County. Should proposals submitted require additional clarification and/or supplementary information, offerors should be prepared to submit such additional clarification and/or supplementary information, in a timely manner, when so requested

## **15.0 NOTIFICATION OF INTENT OR STATEMENT OF AWARD:**

- 15.01** In order to receive a copy of the Notification of Intent to Award or Statement of Award you must enclose a self-addressed stamped envelope. Notification will not automatically be provided.

## **16.0 UNSUCCESSFUL OFFERORS:**

- 16.01** Offerors not awarded a contract under this solicitation, may request return of their proposals within thirty (30) days after notification of award is mailed. All cost of return items will be paid by the offeror. If Federal Express, UPS, or other shipping number is not received, all materials will be destroyed.

## **17.0 RIGHT TO PROTEST:**

- 17.01** Any prospective offeror or contractor, who is aggrieved in connection with the solicitation of a contract shall protest in writing to the Director of Contracts and Procurement within fifteen (15) days of the date of issuance of the Requests for Proposals or other solicitation documents, whichever is applicable, or any amendment thereto, if the amendment is at issue. Any actual offeror or contractor, who is aggrieved in connection with the intended award or award of a contract shall protest in writing to the Director of Contracts and Procurement within fifteen (15) days of the notification of intent to award or statement of award.



## IV. TERMS AND CONDITIONS

### 1.0 AFFIRMATIVE ACTION

- 1.01** The contractor will take affirmative action in complying with all Federal and State requirements concerning fair employment and employment of the handicapped, and concerning the treatment of all employees, without regard or discrimination by reason of race, color, religion, sex, national origin, or physical handicap. The following are incorporated herein by reference: 41 C.F.R. 60-1.4, 60-250.4 and 60-741-4.

### 2.0 ASSIGNMENT

- 2.01** No contract or its provisions may be assigned, sublet, or transferred without the written consent of the Chester County Purchasing Office.

### 3.0 CONTRACT ADMENDMENTS

- 3.01** Amendments to any contract between the agency and the contractor must be reviewed and approved by the Chester County Purchasing Office.

### 4.0 COMPLIANCE WITH LAWS

- 4.01** The Contractor shall keep fully informed of all existing and future State and Federal Laws and Municipal Ordinances and Regulations in any manner affecting those engaged or employed in the work, and of all orders and decrees of bodies or tribunals having any jurisdiction or authority over the same. If any discrepancy or inconsistency is discovered in the specifications for this work in relation to any such law, ordinance, regulation, order, or decree, he shall forthwith report same to the Director of Contracts and Procurement, in writing. The Contractor shall at all times observe and comply with all such existing and future laws, ordinances, regulations, orders, and Decree's; and he shall protect and indemnify the County, its officers, and agents, against any claim or liability arising from or based upon violation of any such law, ordinance, regulation, order or decree whether by themselves or their employees.

### 5.0 FORCE MAJEURE:

- 5.01** The Contractor shall not be liable for any excess costs if the failure to perform the contract arises out of causes beyond the control and without fault or negligence of the contractor. Such causes may include, but are not restricted to acts of God or of the public enemy, acts of the Government in either its sovereign or contractual capacity, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes, and unusually severe weather; but in every case the failure to perform must be beyond the control and without the fault or negligence of the contractor. If the failure to perform is caused by default of a subcontractor, and if such default arises out of causes beyond the control of both the contractor and subcontractor and without excess costs for failure to perform, unless the supplies or services to be furnished by the subcontractor were obtainable from other sources in sufficient time to permit the contractor to meet the required delivery schedule.

### 6.0 INDEMNIFICATION

- 6.01** The Contractor and any of its Subcontractors shall indemnify, defend, hold harmless and reimburse the County, its agents, officers and employees from and against any and all losses, liabilities, expenses, and all claims for damages of any nature whatsoever, relating to or arising out of any action or failure to act, by the Contractor, its subcontractors, officers, agents and employees, or relating to or arising out of the performance or failure to perform by the Contractor, its subcontractors, officers, agents and employees of any of the obligations under this Agreement. Losses, liabilities, expenses and claims for damages shall include, but not be limited to, civil and criminal fines and penalties, a taking, whether direct or indirect (inverse), loss of use and/or services, bodily injury, death, personal injury, or injury to real or personal property, defense costs, legal fees and costs and attorney's fees for an appeal.

**7.0 LEGAL OR CONSULTANT SERVICES:**

**7.01** If this contract is for legal services, it is subject to the provisions of Section 11-9-105 of the 1976 Code of Laws of South Carolina as amended. "Any contract for legal or consultant services entered into by a state agency or institution shall include a provision which requires completion of all services. The Provision shall further require that in the event all services are not fully rendered as provided for in the contract, any Monies which have been paid by the agency under the contract must be refunded to the agency along with a twelve (12) percent penalty".

**8.0 PAYMENT FOR GOODS & SERVICES:**

**8.01** Payment for goods and services received by the County will be processed in accordance with Section 11-35-45 of the South Carolina Procurement Code.

**9.0 PRIME CONTRACTOR RESPONSIBILITY:**

**9.01** The contractor will be required to assume sole responsibility for the complete effort as required by this RFP. The County will consider the contractor to be the sole point of contact with regard to contractual matters

**10.0 RECORDS RETENTION & RIGHT TO AUDIT:**

**10.01** The County shall have the right to audit the books and records of the contractor as they pertain to this contract, both independent of and pursuant to, S.C. Code Section 11-3220. Such books and records shall be maintained for a period of three (3) years from the date of final payment under the contract. The County may conduct, or have conducted, performance audits of the contract or. The County may conduct, or have conducted, audits of specific requirements of this bid as determined necessary by the County. Pertaining to all audits, contractor shall make available to the County access to its computer files containing the history of contract performance and all other documents related to the audit. Additionally, any software used by the contractor shall be made available for auditing purposes a no cost to the County.

**11.0 SC LAW CLAUSE**

**11.01** Upon award of a contract under this proposal, the person, partnership, association, or corporation to whom the award is made must comply with the laws of South Carolina, which require such person or entity to be authorized and/or licensed to do business in this State. Notwithstanding the fact that applicable statutes may exempt or exclude the successful offeror from requirements that it be authorized and/or licensed to do business in this State, by submission of this signed proposal, the offeror agrees to subject itself to the jurisdiction and process of the courts of the State of South Carolina, County of Chester, as to all matters and disputes arising or to arise under the contract and the performance thereof, including any questions as to the liability for taxes, licenses, or fees levied by the State.

**11.02** The County shall promptly notify the Contractor of any civil or criminal actions filed against it or of any notice of violation from any federal or state agency or of any claim as soon as practical. The Contractor upon receipt of such notice shall have the right at its election to defend any and all actions or suits or join in the defense. Nothing herein shall be construed to prevent the County from defending its own interest.

**12.0 SUBCONTRACTING**

**12.01** If any part of the work covered by the RFB is to be subcontracted, the offeror shall identify the subcontracting organization and the contractual arrangements made therewith. All subcontractors must be approved by the County. The offeror will also furnish the corporate or company name and the names of the officers of any subcontractors engaged by the offeror.

**13.0 TERMINATION**

**13.01** *For Cause:* In the event of material breach by Contractor, County shall give written notice specifying the material breach. County would regard any deviation from the requirements of the contract that was neither trivial nor innocent as being material. Such deviations are evaluated on an instance-by-instance basis but any deviation, which impairs the utilization or value of the property to the County, would be regarded by the County as a material breach. Upon receipt of such notice, if Contractor has not begun correction of the material breach within two (2) days or has not substantially corrected the material breach

within ten (10) days of receipt of written notice, County shall have the right to terminate unilaterally and immediately services hereunder without further notice. County reserves the right to purchase any and all services or other items thereafter in the open market, charging the Contractor with any additional costs. Should such charge be assessed, no subsequent bids or proposals of the defaulting contractor will be considered until the assessed charge has been satisfied. Additionally, the County shall have a similar right of rescission in any instance where contractor provides or seeks to provide any services for a price higher than that specified herein, without regard to cause, including governmental regulatory intervention and insistence. In the event of rescission, revocation or termination, all documents and other materials in the possession of County or scheduled for delivery to County relating to performance hereunder shall become the property of County. County's failure to exercise their rights to terminate under this provision shall not be construed as a waiver of their rights to terminate, rescind or revoke the services herein in the event of any subsequent breach.

- 13.02** *Non-Appropriation:* If the Chester County Council fails to appropriate or authorize the expenditure of sufficient funds to provide the continuation of this contract or if a lawful order issued in, or for any fiscal year during the term of the contract, reduces the funds appropriated or authorized in such amounts as to preclude making the payments set out therein, the contract shall terminate on the date said funds are no longer available without any termination charges or other liability incurring to County.

#### **14.0 OFFEROR RESPONSIBILITY**

- 14.01** The Contractor shall provide all of the proposed work and services as finally agreed upon and accepted by the County of Chester. Each offeror shall fully acquaint himself with conditions relating to the scope and restrictions attending the execution of the work under the conditions of this proposal. It is expected that this will sometimes require on-site observation. The failure or omission of an offeror to acquaint himself with existing conditions shall in no way relieve him of any obligation with respect to this proposal or to the contract.

#### **15.0 OWNERSHIP OF MATERIAL**

- 15.01** All Proposals submitted in response to this document become the property of the County of Chester. Proposals submitted may be reviewed and evaluated by any person(s) at the discretion of the County upon award of contract. Ownership of all data, material and documentation originated and prepared for the County pursuant to this contract shall belong exclusively to the County. Offerors not awarded a contract under this solicitation, may request return of excess copies of their proposals within thirty (30) days after notification of award is mailed. All cost of returns will be paid by the offeror. If Federal Express, UPS, or other shipping number is not received with request, all excess copies will be destroyed.

#### **16.0 SOUTH CAROLINA SALES TAX:**

- 16.01** By submission of a signed bid/proposal, you are certifying, under penalties of perjury, that you comply with section 12-54-1020(B) of the SC Code of Laws 1976, as amended, relating to payment of any applicable taxes. This will certify to the County your compliance.

#### **17.0 PROHIBITION OF GRATUITIES**

- 17.01** Section 8-13-420 of the 1976 Code of Laws of South Carolina states in part as follows: "Whoever gives or offers to any public official or public employee any compensation including a promise of future employment to influence his action, vote, opinion or judgment as a public official or public employee, or such public official solicits or accepts such compensation to influence his action, vote or judgment shall be subject to the punishment as provided by Sections 16-9-210 and 16-9-220. "Gratuities in any form are strictly prohibited.

## **V. SCOPE OF WORK/SPECIAL INSTRUCTIONS**

### **Resurfacing and Base Work on 17 County Roads and Miscellaneous Work on 4 More County Roads in Chester County, South Carolina**

**Special Instructions**

- Only one person per company will be allowed at the bid opening.
- Bid opening will be held in Council Chambers.

**\*\*\*Please include the following with your bid proposal:**

- **Pages 1 and all Section III - Exhibits of this document completed.**
- **\*\*\*Bid name, RFB number, and your company name need to be shown on the outside of the bid package.**
- **W-9 – unless you are already a current vendor of Chester County Government.**

**VI. CALENDAR OF EVENTS**

<b>SOLICITATION AVAILABLE TO VENDORS</b>	<b>September 7, 2022</b>
<b>OFFEROR'S QUESTIONS DUE</b>	<b>September 30, 2022</b>
<b>OFFEROR'S QUESTIONS ANSWERED</b>	<b>ASAP</b>
<b>DEADLINE FOR RECEIPT OF OFFERS</b>	<b>October 4, 2022 @ 2:00 PM</b>
<b>LOCATION FOR RECEIPT OF OFFERS</b>	Chester County Government Council Chambers 1476 J A Cochran Bypass Chester, SC 29706

## SECTION III - EXHIBITS

### NON-COLLUSION AFFIDAVIT

STATE OF SOUTH CAROLINA  
COUNTY OF CHESTER

\_\_\_\_\_, deposes and says that:  
(Name of Offeror)

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

Authorized Signature \_\_\_\_\_

Printed Name \_\_\_\_\_

Witnessed by me this \_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_

Signature \_\_\_\_\_

Company \_\_\_\_\_

Printed Name \_\_\_\_\_

**CERTIFICATE OF FAMILIARITY**

The undersigned, having fully familiarized himself with the information contained within this entire solicitation and applicable amendments, submits the attached bid and other applicable information to the County, which I verify to be true and correct to the best of my knowledge. I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm or person submitting a bid for the same materials, supplies or equipment, and is in all respects, fair and without collusion or fraud. I agree to abide by all conditions of this bid and certify that I am authorized to sign this bid. ***By submission of a signed bid, I certify, under penalties of perjury, that the below company complies with section 12-54-1020(B) of the SC Code of Laws 1976, as amended, relating to payment of any applicable taxes.*** I further certify that this bid is good for a period of ninety (90) days, unless otherwise stated.

\_\_\_\_\_  
 Company Name as registered  
 with the IRS

\_\_\_\_\_  
 Authorized Signature

\_\_\_\_\_  
 Correspondence Address

\_\_\_\_\_  
 Printed Name

\_\_\_\_\_  
 City, State, Zip

\_\_\_\_\_  
 Title

\_\_\_\_\_  
 Date

\_\_\_\_\_  
 Telephone Number

## REQUEST FOR WRITTEN RESPONSE TO QUESTIONS

**TO: Bill Coleman, Project Manager, Email: bill.coleman@ice-eng.com**

**RFP No.: 22-54.03**

**Deadline for submitting questions: September 30, 2022**

DATE: \_\_\_\_\_

OFFEROR NAME AND ADDRESS:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

FAX #: \_\_\_\_\_

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

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*(PLEASE REFER TO PAGE AND PARAGRAPH NUMBER WHEREVER POSSIBLE. USE BLANK SECOND PAGE, IF NECESSARY)*



**SOLICITATION NUMBER: 22-54.03**

**PROCUREMENT:**

**"NO RESPONSE" RESPONSE FORM**

To submit a **"No Response"** for this project, this form must be completed for your company to remain on our bidders list for commodities/services referenced. If you do not respond your name may be removed from this bidders list. **In order to ensure that the County file has current information, or if you wish to be added to Chester County's Vendor Listing. You must also return the Certificate of Familiarity form completed in its entirety.**

Note: Please show the solicitation number on the outside of the envelope.

Please check statement(s) applicable to your **"No Response"** --

- Specifications are restrictive; i.e., geared toward one brand or manufacturer only (explain below).
- Specifications are ambiguous (explain below).
- We are unable to meet specifications.
- Insufficient time to respond to the solicitation.
- Our schedule would not permit us to perform.
- We are unable to meet bond requirements.
- We are unable to meet insurance requirements.
- We do not offer this product or service.
- Remove us from your vendor list for this commodity/service.
- Other (specify below).

**Comments:**

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\_\_\_\_\_  
Company Name (as registered with the IRS)

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Correspondence Address

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
City, State, Zip

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

\_\_\_\_\_  
Telephone

/ \_\_\_\_\_  
Fax

## SECTION IV: BID DOCUMENTS

ALL PAGES OF THIS SECTION MUST BE SUBMITTED

**BID BOND**

KNOW ALL MEN BY THESE PRESENTS, that we \_\_\_\_\_, as Principal, a (\_\_\_ corporation, \_\_\_ partnership, \_\_\_ individual) duly authorized by law to do business as a construction contractor in the State of South Carolina, and \_\_\_\_\_, as Surety, a corporation duly authorized to transact surety business under the Law of the state of South Carolina, are held and firmly bound unto Chester County as obligee, in the penal sum of: Five Percent (5%) of the Bid Amount for the payment of which sum well and truly to be made, the said Principal and the said Surety, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has submitted a bid for the project named:

**Chester CTC 2023 Paving Program - 21 Roads**  
**RFB NO.: 22-54.03**

NOW, THEREFORE, if the Oblige shall accept the bid of the Principal and the Principal shall enter into a Contract with the Oblige in accordance with the terms of such bid, and give such bonds as may be specified in the bidding or Contract Documents with good and sufficient surety acceptable to the Oblige, then this obligation shall be null and void, otherwise to remain in full force and effect.

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_, 2022.

**PRINCIPAL**

**SURETY**

\_\_\_\_\_  
Bidder's Name and Corporate Seal (Seal)

\_\_\_\_\_  
Surety's Name and Corporate Seal (Seal)

By: \_\_\_\_\_  
Signature and Title

By: \_\_\_\_\_  
Signature and Title  
(Attach Power of Attorney)

Attest: \_\_\_\_\_  
Signature and Title

Attest: \_\_\_\_\_  
Signature and Title

**BID FORM****Section One****Chester CTC 2023 Paving Program - 21 Roads**

BY SUBMITTING THIS BID, THE UNDERSIGNED BIDDER REPRESENTS:

- A.** that he has carefully examined the plans and specifications with the related documents and visited the site of the Project for which he is submitting a Bid.
- B.** that he is familiar with all the conditions surrounding the performance of the Work required for this Project, including the availability of materials, equipment, supplies and labor, and has visited the site and is therefore familiar with all physical conditions affecting the work and has considered same in calculating his bid
- C.** that, if he is awarded the Contract, he will provide all labor, material, supplies. And equipment and execute the Work in accordance with the Contract Documents.
- D.** that, if awarded the Contract he will commence work after the issuance of a "Notice to Proceed" as required herein.
- E.** that, if awarded the Contract, he agrees that if the Work or any part thereof is not completed according to the specifications and terms of the Contract Documents and within Contract Time (including any extension thereof), he and his sureties will be liable for Liquidated Damages in accordance with the Contract.
- F.** that he will hold his Bid open for sixty(60) calendar days after the date Bids are opened or else forfeit the Bid Security to the Owner.
- G.** that, if awarded the Contract, he will provide a Performance Bond and a Payment Bond together with insurance coverage as required herein.
- H.** that he understands that the Owner reserves the right to reject any Bids which do not meet the Bid Requirements, or all Bids in the event that the Project is canceled or postponed, or if such is in the best interests of the County.
- I.** that if awarded the Contract the successful Bidder will enter and execute a contract as required herein.
- J.** that the Bidder is legally able to enter into and perform a contract, if awarded.
- K.** that the Bidder is current on all taxes and fees owed to the County.
- L.** that the bidder agrees to commence work upon issuance of Notice to Proceed with an adequate force, carry the work forward as rapidly as possible, and complete the Project as required by the Special Provisions. .
- M.** that the bidder agrees that in the case of failure or refusal on his part to execute the Contract within five (5) calendar days after the issuance of a Notice of Award, the check, cash, or Bid Bond accompanying this Bid shall be paid into the funds of the County's account set aside for this Project, as liquidated damages, and not as penalty, for such failure; otherwise the check, cash, or Bid Bond accompanying this Bid shall be returned to the undersigned.
- N.** that the unit price per ton, square yard, linear foot, etc., must reflect all materials, supplies, equipment, supervision, labor costs, quality control services, and sales tax necessary to complete the project. All costs for grading, sweeping, cleaning, shaping, tacking, compacting, etc.; shall also be included in the unit bid price.

- O. that the unit price per ton, square yard, linear foot, etc., must reflect all materials, supplies, equipment, supervision, labor costs, quality control services, and sales tax necessary to complete the project. All costs for grading, sweeping, cleaning, shaping, tacking, compacting, etc.; shall also be included in the unit bid price.
- P. that he acknowledges and understands that all Contractor "As Bid" unit measures for the various Project Elements will be reviewed by The County and, where any discrepancies are noted The County reserves the right to advise the bidder and make the necessary corrections and thereby adjust the Contractor's sum total bid amount accordingly. All adjustments, if any, will be predicated on work measurement as represented on the plans. We shall have the option to decline any reasonable unit measure adjustment that will reflect an increase in our base bid. Therefore, it is understood that unless declined, any adjustments reflecting an increase in the element costs will, when adjusted, reflect an overall increase in the base bid and will be considered in determining the most responsive
- Q. that the undersigned, certify that this Bid does not violate Federal or State Antitrust Laws and I have received and read the Request for Bids and understand that this Bid is subject to all conditions thereof. A signature below indicates that the Offeror herein, his agents, servants and/or employees, have not in any way colluded with anyone for and on behalf of the Offeror, or themselves, to gain any favoritism in the award of the Contract herein.
- R. that the undersigned certifies that the Contractor listed below will provide a "drug-free workplace" as that term is defined in Section 44-107-30 of the Code of Laws of South Carolina, 1976, as amended, by complying with the requirements set forth in Title 44, chapter 107.

FEDERAL IDENTIFICATION NUMBER: \_\_\_\_\_

CONTRACTOR'S CLASSIFICATIONS AND SUBCLASSIFICATIONS WITH LIMITATIONS

\_\_\_\_\_ (Classification)      \_\_\_\_\_ (Sub-Classification)      \_\_\_\_\_ (Limitations)

\_\_\_\_\_  
(S.C. Contractor's License Number)

**BID FORM****Section Two****Chester CTC 2023 Paving Program - 21 Roads**

**BID OF (Contractor)** \_\_\_\_\_

**Date of Bid:**        **October 4, 2022 @ 2:00 PM**

ITEM #	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	EXTENDED PRICE
1	Bonds and Insurance	LS	1		
2	Mobilization	NEC	12		
3	Traffic Control	NEC	12		
4	Station Grading	STA	10		
5	Cement Modified Recycled Base (8" Uniform) Method A	SY	31577		
6	Portland Cement for Cement Modified Recycled Base (60 LBS/SY)	TON	950		
7	Maintenance Stone	TON	185		
8	HMA Surface Course Type C (Liquid Included) 2" Uniform	SY	75551		
9	Permanent Vegetation	ACRE	10.98		
10	Permanent Construction Signs (Ground Mounted) Schedule E	SF	1080		
11	Permanent Construction Signs (Ground Mounted) Schedule C	SF	228		
12	Loose Stone/25MPH	SF	119		
13	18" RCP	LF	32		
14	24" RCP	LF	32		
15	Street Sign	EA	27		
16	24" White Solid Lines (Stop) FDP	LF	302		
17	24" White Solid Lines (Stop) Thermoplastic-125 Mil	LF	302		
18	Riprap	TON	40		
19	57 Stone	TON	20		
20	Patch Over Pipe Cut (Remove Exist Stone & Replace with 2" HMA)	SY	496		
21	HMA Full Depth Patching	SY	3850		
22	Stop Signs	EA	27		
				<b>Total</b>	\$

\_\_\_\_\_  
**(Grand Total in Words)**

The Bid prices for Unit Price Work set forth as of the Effective Date of the Agreement are based on estimated quantities. As provided in the General Conditions, estimated quantities are not guaranteed, and determinations of actual quantities and classifications are to be made by Engineer as provided in of the General Conditions.

**BID FORM**  
Section Three

## Chester CTC 2023 Paving Program - 21 Roads

### LISTING OF SUBCONTRACTORS

Any bidder in response to this Request for Bids shall set forth in his bid the name and location of the place of business for each of the following subcontractors (if so specified) who may perform work or render services to the prime Contractor to or about the construction, or who will specifically fabricate or install a portion of the work. If the prime Contractor determines to use his own employees to perform any portion of the work for which he would otherwise be required to list a subcontractor, and if the prime Contractor is qualified to perform such work under the terms of the Request for Bids, the prime Contractor shall indicate this in his bid and not subcontract any of that work except with the approval of owner for good cause shown.

Failure to list specified subcontractors shall render the prime Contractor's bid non-responsive. No prime Contractor whose bid is accepted shall substitute any person as a subcontractor in place of the subcontractor listed in the original bid, except as specified within the contract documents.

#### Listing of Subcontractors

Subcontractor: \_\_\_\_\_  
 Work to be undertaken: \_\_\_\_\_  
 Place of Business: \_\_\_\_\_  
 Principal: \_\_\_\_\_  
 License No. \_\_\_\_\_

Subcontractor: \_\_\_\_\_  
 Work to be undertaken: \_\_\_\_\_  
 Place of Business: \_\_\_\_\_  
 Principal: \_\_\_\_\_  
 License No. \_\_\_\_\_

Subcontractor: \_\_\_\_\_  
 Work to be undertaken: \_\_\_\_\_  
 Place of Business: \_\_\_\_\_  
 Principal: \_\_\_\_\_  
 License No.: \_\_\_\_\_

Subcontractor: \_\_\_\_\_  
 Work to be undertaken: \_\_\_\_\_  
 Place of Business: \_\_\_\_\_  
 Principal: \_\_\_\_\_  
 License No.: \_\_\_\_\_

**BID FORM**

**Section Four**

**Chester CTC 2023 Paving Program - 21 Roads**

Respectfully submitted this \_\_\_\_ day of \_\_\_\_\_, 2022.

Company Name \_\_\_\_\_

Authorized Signature \_\_\_\_\_

Name and Title (type or print) \_\_\_\_\_

Principal of Company (e.g., Name of President, General Partner, Owner, etc.)

\_\_\_\_\_

State of Incorporation: \_\_\_\_\_

Business Address: \_\_\_\_\_

\_\_\_\_\_

City, State, Zip Code

\_\_\_\_\_

Telephone Number

Fax Number

Contractor's Federal Tax I.D. No.: \_\_\_\_\_

S.C. Contractor's License No.: \_\_\_\_\_

S.C. Bidder's License No.: \_\_\_\_\_

**ACKNOWLEDGMENT OF RECEIPT OF AGENDA:**

(If more addenda are issued, then add to the list.)

Addendum No.1 dated: \_\_\_\_\_

Addendum No.2 dated: \_\_\_\_\_

Addendum No.3 dated: \_\_\_\_\_



## SECTION V: GENERAL CONDITIONS AND CONTRACT

## GENERAL CONDITIONS

### 1. BID INSTRUCTIONS AND SUBMITTAL:

- a. The County shall not accept responsibility for unidentified bids.
- b. In the event that a bid is unintentionally opened prior to the official time set for the bid opening, the employee opening such bid shall immediately inform the Procurement Officer or his/her assistant who shall, in the presence of another of equal rank or above, immediately contact the vendor submitting the bid.
- c. The vendor so contacted will be informed as to the circumstances and shall be invited to come to the office of Procurement to reseal and submit or withdraw the bid, if the vendor elects to reseal and submit the bid, such vendor shall be required to sign, date and indicate the time of resealing on the bid envelope. If the vendor directs the Procurement Office to reseal the bid, both the employee making the contact to the vendor and the owner witness present, shall sign, date and indicate the time of sealing on the bid envelope.
- d. In the event that the Procurement Office is directed by the vendor to return the bid, a statement properly witnessed stating the action taken and when, shall be duly filed.
- e. All prices and quotations shall be entered in ink or typewritten and shall remain firm for no less than sixty (60) days from the date of the bid. Mistakes may be crossed out and corrections inserted adjacent there to and shall be initialed in ink by the person signing the bid. The bidder shall insert the net price per stated unit and the extension against each item, which he/she proposed to deliver. The price shall include in the grand total column all delivery charges, installation and applicable taxes when necessary.
- f. Bids Will Not Be Considered unless the bidder is legally qualified under the provisions of the South Carolina Contractor's Licensing Law (South Carolina Code of Laws as amended).
- g. Bids Will Not Be Considered unless sealed accompanied by a bidder's bond, for 5 percent (5%) of the amount of the bid. Bid bond will be duly executed by the bidder as principal & having as surety thereon a surety company licensed to do business in the State of South Carolina. Successful bidder will be required to furnish a satisfactory performance & payment bond each in the amount of 100 percent (100%) of the bid.
- h. The County Reserves the Right to accept or reject any & all responses, to waive technicalities & informalities, to negotiate further with the Contractor of its choice, & to request additional information, to interview & to make an award deemed in its own best interest.

All submittals shall become property of the County & is subject to the Freedom of Information Act (FOIA) regulations.

2. AMBIGUOUS BIDS: Bids which are uncertain as to terms, delivery, quantity, or compliance with requirements and/or specifications may be rejected or otherwise disregarded.
3. COVENANT AGAINST CONTINGENT FEES: The vendor warrants that no person or selling agency has been employed or retained to solicit or secure this contract upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, excepting bona fide employees or bona fide established commercial or selling agencies maintained by the vendor for the purpose of securing business. For breach or violation of this warranty, Chester County shall have the right to annul this contract without liability or in its discretion to deduct from the contract price or consideration, or otherwise recover the full amount of such commission, percentage, brokerage, or contingent fee.
4. BIDDER'S QUALIFICATIONS: Bids shall be considered only from bidders who are regularly established in the business called for and who in the judgment of the Owner are financially responsible and able to show evidence of their reliability, ability, experience, equipment supervised by them to render

prompt and satisfactory service in the volume called for under this contract. All bidders for road paving and grading must be on the SCDOT list of approved contractors.

5. WITHDRAWAL OF BIDS: Any bidder may withdraw his bid prior to the closing time scheduled for the receipt of bids. No bid shall be withdrawn for a period of sixty (60) days after the schedule closing time for the receipt of bids. The County reserves the right to award contracts for a period of sixty (60) days.
6. SUBMISSION OF DATA: Each bidder, upon request, shall submit evidence of Liability Insurance, Workmen's Compensation (if required), and other data regarding experience relating to this bid and proposes to satisfy the requirements of this solicitation and fulfillment of a contract.
7. ACCIDENTS: The vendor shall hold the County harmless from all damages and claims that may arise by reason of any negligence on the part of the vendor, his agents or employees in the performance of this contract. In case any action is brought against the County or any of its agents or employees, the vendor shall assume full responsibility for the defense thereof. Upon his failure to do so after proper notice, the County reserves the right to defend such motion and charge all costs thereof to the vendor. The vendor shall take all precautions necessary to protect the public against injury.
8. MATERIALS REQUIRED: Materials required must be in conformity with the specifications and shall be subject to inspection and approval after delivery, and shall comply in quality and type of material and method of manufacture with all applicable local or state laws pertaining thereto. The right is reserved to reject and return at the risk and expense of the vendor such portions of any shipment which may be defective or fail to comply with specifications and without validating the remainder of order.
9. "OR APPROVED EQUAL" CLAUSES: Certain processes, types of equipment or kinds of materials are described in the specifications and on the drawings by means of trade names and catalog numbers. In each instance where this occurs, it is understood and inferred that such description is followed by the words "or approved equal". Such method of description is intended merely as a means of establishing a standard of comparison. However, the County reserves the right to select the items which, in the judgment of the County, are best suited to the needs of the County, based on price, quality, service, availability and other relative factors. Bidders must indicate brand name, model, model number, size, type, weight, color, etc., of the item bid if not the same as the item specified. Vendor's stock number or catalog number is not sufficient to meet this requirement. If any bidder desires to furnish an item different from that specifically mentioned in the specifications, he/she shall submit with his bid the information, data, pictures, cuts, designs, etc., of the material he/she plans to furnish so as to enable the County to compare the material specified; and, such material will be given due consideration. The County reserves the right to insist upon and receive the items as specified, if the submitted items do not meet the County's standards for acceptance.
10. PATENTS: The vendor shall hold the County, its officers, agents, and employees harmless from liability of any nature or kind whatsoever, on account of use by the publisher or author, manufacturer or agent, of any copyrighted or uncopyrighted composition, secret process, article or appliance furnished or used under this bid.
11. INSTALLATION: Where equipment is called for to be installed under this bid, it shall be placed, leveled and accurately fastened into place by the vendor. He/she shall be responsible for obtaining dimensions and other such data which may be required to assure exact fit to work under another contract or as intended by the County. The vendor shall be responsible providing an appropriate amount of lead-in to equipment requiring electrical, water or other basic service. The County will normally be responsible for bringing the appropriate service to the lead-in. The vendor shall completely remove from the

premises all packing, crating, and other letter due to his/her work. He/she shall also be responsible for the cost of repair of any damage to existing work which is caused by him/her equipment.

12. **GUARANTEE:** The vendor shall supply a guarantee for all workmanship for the equipment he/she is furnishing for a period comparable to the standards in the industry. When defects or faulty material is discovered during the guarantee period, the vendor shall, immediately, upon notification by the County, proceed at his/her own expense, to repair or replace the same, together with any damage to all finishes, equipment, and furnishings that may have been damaged as a result of the defective equipment or workmanship.
13. **CONFLICTS IN SPECIFICATIONS:** When contract language or specifications are in conflict, the Engineer shall choose the language/specification that is applicable to the project condition covered, and shall generally choose the more stringent, restrictive or costly language/specification.
14. **SERVICE FACILITIES:** In considering the services bid upon, the County shall take into consideration past performance of existing work and installations, service and facilities provided by the bidder. The bidder shall have available a local organization that is trained in proper construction methods.
15. **COMPETITION:** There are no Federal or State laws that prohibit bidders from submitting a bid lower than a price or bid given to the United States Government. Bidders may bid lower than the United States Government Contract price without any liability because the State is exempt from provisions of the Robinson-Patman Act and other related laws.
16. **ASSIGNMENT:** No contract may be assigned, sublet, or transferred without a written consent of the Procurement Officer.
17. **SPECIFICATIONS:** Any deviation from specifications indicated herein must be clearly pointed out; otherwise, it will be considered that items offered are in strict compliance with these specifications, and the successful bidder shall be held responsible thereof.
18. **INCORPORATION BY REFERENCE:** The contents of this Request for Bids, including all drawings, attachments, specifications, and any addenda, will become part of the contract for this Project.
19. **PROTECTION OF EXISTING VEGETATION, STRUCTURES, EQUIPMENT, UTILITIES, AND IMPROVEMENTS:**
  - a. The Contractor shall preserve and protect all structures, equipment, and vegetation (such as grass, trees, and shrubs) or on or adjacent to the work sites, which are not to be removed and which do not unreasonably interfere with the work required under this contract. The Contractor shall only remove trees when specifically authorized to do so, and shall avoid damaging vegetation that will remain in place. If any limbs or branches of trees are broken during contract performance, or by any careless operation of equipment, or by workman, the Contractor shall trim those limbs or branches with a clean cut and paint the cut with tree pruning compound as directed by the Engineer.
  - b. The Contractor shall protect from damage all existing improvements and utilities at or near the work site and on adjacent property of a third party, the locations of which are known to or should be known by the Contractor. The Contractor shall repair any damage to those facilities, including those that are the property of a third party resulting from failure to comply with the requirements of this contract or failure to exercise reasonable care in performing the work. If the Contractor fails or refuses to repair the damage promptly, the County representatives(s) may recommend that the necessary work be performed and charge the cost to the Contractor.

20. SAFETY AND PROTECTION: Contractor shall be solely responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the Work. Contractor shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury or loss to all persons on the Site or who may be affected by the Work, all the Work and materials and equipment to be incorporated therein, whether in storage on or off the Site; and other property at the Site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, utilities, and Underground Facilities not designated for removal, relocation, or replacement in the course of construction. Contractor shall comply with all applicable Laws and Regulations relating to the safety of persons or property, or to the protection of persons or property from damage, injury, or loss; and shall erect and maintain all necessary safeguards for such safety and protection. Contractor shall notify owners of adjacent property and of Underground Facilities and other utility owners when prosecution of the Work may affect them, and shall cooperate with them in the protection, removal, relocation, and replacement of their property.

21. SECURITY REQUIRED:

- a. Bid Security - Each Bid must be accompanied by a Bid Bond acceptable to the County. Bid Bonds must be issued by a corporate surety registered and authorized to do business in the State of South Carolina. Bid Bonds shall be payable to the County, shall be for at least five (5%) percent of the total amount of the Bid, and shall serve as a guarantee deposit that the bid will be carried out to the complete satisfaction of the County.
- b. Forfeiture of Bid Security - Nonperformance by the successful Bidder, or its failure to execute the Contract and meet performance and payment bond requirements and insurance requirements within five (5) calendar days after issuance of Notice of Award, shall result in its bid security being forfeited as liquidated damages, and the Notice of Award and Contract will be rescinded and awarded to another Bidder. Withdrawal or attempted withdrawal of a Bid after the closing date and time but prior to sixty (60) calendar days after the closing date may also result in forfeiture of bid security.
- c. Return of Bid Security - Bid security will be returned to all bidders after the successful Bidder has executed the Contract and delivered all required bonds and insurance certificates. Unsuccessful Bidders will not be entitled to any interest earnings on returned funds.
- d. Payment and Performance Security
  - i. The successful Bidder shall provide Performance and Payment Bonds, in a form satisfactory to the County (see Attached "Sample Forms"), in the following amounts no later than at the time of execution of the Contract:
    - Payment Bond: 100% of the total amount of the Contract.
    - Performance Bond: 100% of the total amount of the Contract.
  - ii. The aforesaid Payment and Performance Bonds must be issued by a corporate surety registered and authorized to do business in South Carolina and must be counter-signed by a licensed, authorized South Carolina agent.
  - iii. Attorneys-in-fact who sign Bid Bonds or Performance Bonds must file with each Bond a certified and effective, dated copy of their power of attorney.
  - iv. The time to be covered by the Performance Bond shall commence on the date of execution of any contract resulting from this RFB and terminate upon final payment to Bidder by County. The time to be covered by the Payment Bond shall commence on the date of execution of any contract resulting from this RFB and terminate twelve (12) months after the date of final acceptance of the Work by the County.
  - v. Contractor shall execute the attached Form of Agreement upon contract award.

**22. CHANGE ORDER**

- a. A Change Order is a written order to the Contractor, signed by the authorized County representative, directing changes in the work within the provisions of the Contract.
- b. A Change Order is used to change contract quantities for items with unit prices, provide for incentives, penalties, and adjustments for unit price items as provided in the original Contract, delete contract items, and revise contract time.
- c. A Change Order may include written agreement made and entered into by and between the Contractor and the Owner, covering alterations and unforeseen work incidental to the proper completion of the project, when such work is paid for at an agree unit or lump sum price. Such Change Order becomes a part of the Contract when approved and properly executed.

23. PERMITS/LICENSING: It shall be the responsibility of the contractor to comply with County Ordinances by securing necessary permits and licenses.

24. ENVIRONMENTAL MANAGEMENT: Vendor/Supplier/Contractor will be responsible for complying with all federal, state, and local environmental regulations relating to transportation, handling, storage, spillage, and any other aspect of providing the services specified herein, as applicable.

**[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]**

**FORM OF AGREEMENT**  
**BETWEEN OWNER AND CONTRACTOR**  
**FOR CONSTRUCTION CONTRACT**

THIS AGREEMENT is by and between \_\_\_\_\_ Chester County \_\_\_\_\_ (“Owner”) and  
 \_\_\_\_\_ (“Contractor”).

Owner and Contractor hereby agree as follows:

**ARTICLE 1 – WORK**

Contractor shall complete all Work as specified or indicated in the Contract Documents. The Work is generally described as follows: **Cement Modified Recycled Base, HMA Paving and Miscellaneous Related Items on Secondary County Roads in Chester County South Carolina**

**ARTICLE 2 – THE PROJECT**

2.01 The Project for which the Work under the Contract Documents may be the whole or only a part is generally described as follows:

**Chester CTC 2023 Paving Program - 21 Roads**

**ARTICLE 3 – ENGINEER**

3.01 The Project has been designed by Infrastructure Consulting & Engineering (ICE), (Engineer), which is to act as Owner’s representative, assume all duties and responsibilities, and have the rights and authority assigned to Engineer in the Contract Documents in connection with the completion of the Work in accordance with the Contract Documents.

**ARTICLE 4 – CONTRACT TIMES**

4.01 Time of the Essence

a. All time limits for Milestones, if any, Substantial Completion, and completion and readiness for final payment as stated in the Contract Documents are of the essence of the Contract.

4.02 Dates for Substantial Completion and Final Payment

Project will be completed and ready for final inspection on December 31, 2023, except for Stephenson and Rocky Creek Roads Pipe Work, which must have the pipe portion completed by January 31, 2023. HMA Patching may be done later in season.

4.03 Liquidated Damages

a. Contractor and Owner recognize that time is of the essence as stated in Paragraph 4.01 above and that Owner will suffer financial loss if the Work is not completed within the times specified in Paragraph 4.02 above, plus any extensions thereof allowed in accordance with the General Conditions. The parties also recognize the delays, expense, and difficulties involved in proving in a legal or arbitration proceeding the actual loss suffered by Owner if the Work is not completed on time. Accordingly, instead of requiring any such proof, Owner and Contractor agree that as liquidated damages for delay (but not as a penalty), Contractor shall pay Owner \$500.00 for each day that expires after the time specified in Paragraph 4.02 above for Substantial Completion until the Work is substantially complete. After Substantial Completion, if Contractor shall neglect, refuse, or fail to complete the remaining Work within the Contract Time or any proper extension thereof granted by Owner, Contractor shall pay Owner \$500.00 for each day that expires after the time specified in Paragraph 4.02 above for completion and readiness for final payment until the Work is completed and ready for final payment.

**ARTICLE 5 – CONTRACT PRICE**

5.01 Owner shall pay Contractor for completion of the Work in accordance with the Contract Documents an amount in current funds equal to the sum of the amounts determined in the bid documents:

- a. For all Work other than Unit Price Work, a lump sum of: \$ \_\_\_\_\_ N/A \_\_\_\_\_  
All specific cash allowances are included in the above price.
- b. For all Unit Price Work, an amount equal to the sum of the established unit price for each
- c. For all Work, at the prices stated in Contractor's Bid, attached hereto as an exhibit.

ITEM #	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	EXTENDED PRICE
1	Bonds and Insurance	LS	1		
2	Mobilization	NEC	12		
3	Traffic Control	NEC	12		
4	Station Grading	STA	10		
5	Cement Modified Recycled Base (8" Uniform) Method A	SY	31577		
6	Portland Cement for Cement Modified Recycled Base (60 LBS/SY)	TON	950		
7	Maintenance Stone	TON	185		
8	HMA Surface Course Type C (Liquid Included) 2" Uniform	SY	75551		
9	Permanent Vegetation	ACRE	10.98		
10	Permanent Construction Signs (Ground Mounted) Schedule E	SF	1080		
11	Permanent Construction Signs (Ground Mounted) Schedule C	SF	228		
12	Loose Stone/25MPH	SF	119		
13	18" RCP	LF	32		
14	24" RCP	LF	32		
15	Street Sign	EA	27		
16	24" White Solid Lines (Stop) FDP	LF	302		
17	24" White Solid Lines (Stop) Thermoplastic-125 Mil	LF	302		
18	Riprap	TON	40		
19	57 Stone	TON	20		
20	Patch Over Pipe Cut (Remove Exist Stone & Replace with 2" HMA)	SY	496		
21	HMA Full Depth Patching	SY	3850		
22	Stop Signs	EA	27		
<b>TOTAL:</b>					

---

**(Grand Total in Words)**

The Bid prices for Unit Price Work set forth as of the Effective Date of the Agreement are based on estimated quantities. As provided in the General Conditions, estimated quantities are not guaranteed, and determinations of actual quantities and classifications are to be made by Engineer as provided in of the General Conditions.

#### **ARTICLE 6 - PAYMENT PROCEDURES**

##### **6.01 Submittal and Processing of Payments**

Engineer will generate pay estimate and submit to contractor for approval prior to sending to owner for approval and payment

##### **6.02 Progress payments; Retainage**

- a. Owner shall make progress payments on account of the Contract Price on the basis of Contractor's Applications for Payment on or about the 15th day of each month during performance of the Work as provided in Paragraph 6.02.A.1 below. All such payments will be measured by the schedule of values established as provided in the General Conditions (and in the case of Unit Price Work based on the number of units completed) or, in the event there is no schedule of values, as provided in the General Requirements.



- b. Prior to Substantial Completion, progress payments will be made in an amount equal to the percentage indicated below but, in each case, less the aggregate of payments previously made and less such amounts as Engineer may determine or Owner may withhold, including but not limited to liquidated damages, in accordance with the General Conditions.
- c. 90 percent of Work completed (with the balance being retainage). If the Work has been 50 percent completed as determined by Engineer, and if the character and progress of the Work have been satisfactory to Owner and Engineer, then as long as the character and progress of the Work remain satisfactory to Owner and Engineer, there will be no additional retainage; and
- d. 90 percent of cost of materials and equipment not incorporated in the Work (with the balance being retainage).
- e. Upon Substantial Completion, Owner shall pay an amount sufficient to increase total payments to Contractor to 95 percent of the Work completed, less such amounts as Engineer shall determine in accordance with the General Conditions and less 95 percent of Engineer's estimate of the value of Work to be completed or corrected as shown on the tentative list of items to be completed or corrected attached to the certificate of Substantial Completion.

#### 6.03 Final Payment

- a. Upon final completion and acceptance of the Work in accordance with the General Conditions, Owner shall pay the remainder of the Contract Price as recommended by Engineer.

### ARTICLE 7 - INTEREST

- 7.01 All moneys not paid when due as provided in the General Conditions shall bear interest at the rate of 12 percent per annum.

### ARTICLE 8 – CONTRACTOR RESPONSIBILITIES

- 8.01 In order to induce Owner to enter into this Agreement, Contractor makes the following representations:
- a. Contractor has examined and carefully studied the Contract Documents and the other related data identified in the Bidding Documents.
  - b. Contractor has visited the Site and become familiar with and is satisfied as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
  - c. Contractor is familiar with and is satisfied as to all federal, state, and local Laws and Regulations that may affect cost, progress, and performance of the Work.
  - d. Contractor does not consider that further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract Documents.
  - e. Contractor is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Contract Documents.
  - f. Contractor has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Contractor has discovered in the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.
  - g. The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.

### ARTICLE 9 – CONTRACT DOCUMENTS

#### 9.01 Contents

The Contract Documents consist of the following:

- a. This Agreement
- b. Performance bond

- c. Payment bond
- d. General Conditions
- e. Standard Specifications and Drawings as referenced in the bid documents.
- f. Contents of Request for Bids, including all drawings, attachments, specifications, and addenda
- g. Drawings consisting of 0 pages.
- h. Addenda (numbers 0 to 0, inclusive).
- i. Exhibits to this Agreement (enumerated as follows):
- j. Contractor's Bid
- k. The following which may be delivered or issued on or after the Effective Date of the Agreement and are not attached hereto:
  - a. Notice to Proceed
  - b. Work Change Directives.
  - c. Change Orders.

The documents listed in paragraph 9.01.a are attached to this agreement (except as expressly noted otherwise above)

There are no contract documents other than those listed in this Article 9.

The contract documents may only be amended, modified, or supplemented as provided in the General Conditions.

## **ARTICLE 10 – MISCELLANEOUS**

### 10.01 Terms

- a. Terms used in this Agreement will have the meanings stated in the General Conditions and the Supplementary Conditions.

### 10.02 Assignment of Contract

- a. No assignment by a party hereto of any rights under or interests in the Contract will be binding on another party hereto without the written consent of the party sought to be bound; and, specifically but without limitation, moneys that may become due and moneys that are due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under the Contract Documents.

### 10.03 Successors and Assigns

- a. Owner and Contractor each binds itself, its partners, successors, assigns, and legal representatives to the other party hereto, its partners, successors, assigns, and legal representatives in respect to all covenants, agreements, and obligations contained in the Contract Documents.

### 10.04 Severability

- a. Any provision or part of the Contract Documents held to be void or unenforceable under any Law or Regulation shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon Owner and Contractor, who agree that the Contract Documents shall be reformed to replace such stricken provision or part thereof with a valid and enforceable provision that comes as close as possible to expressing the intention of the stricken provision.

### 10.05 Contractor's Certifications

- a. Contractor certifies that it has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for or in executing the Contract. For the purposes of this Paragraph 10.05:

1. "Corrupt practice" means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process or in the Contract execution;
2. "Fraudulent practice" means an intentional misrepresentation of facts made (a) to influence the bidding process or the execution of the Contract to the detriment of Owner, (b) to establish Bid or Contract prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition;
3. "Collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish Bid prices at artificial, non-competitive levels; an
4. "Coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

**[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]**

IN WITNESS, WHEREOF, Owner and Contractor have signed this Agreement. Counterparts have been delivered to Owner and Contractor. All portions of the Contract Documents have been signed or have been identified by Owner and Contractor or on their behalf.

This Agreement will be effective on \_\_\_\_\_, 2022, (Which is the Effective Date of the Agreement).

**OWNER:**

**CONTRACTOR:**

Chester County, South Carolina \_\_\_\_\_

\_\_\_\_\_

By: \_\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

Title: \_\_\_\_\_

(If Contractor is a corporation, a partnership, or a joint venture, attaches evidence of authority to sign.)

Attest: \_\_\_\_\_

Attest: \_\_\_\_\_

Title: \_\_\_\_\_

Title: \_\_\_\_\_

Address for giving notices:

Address for giving notices:

PO Drawer 580 \_\_\_\_\_

\_\_\_\_\_

Chester SC 29706 \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

License No.: \_\_\_\_\_

(Where applicable)

(If Owner is a corporation, attach evidence Of authority to sign. If Owner is a public body, attach evidence of authority to sign and resolution or other documents authorizing execution of this Agreement.)

Agent for service of process:

\_\_\_\_\_

**PERFORMANCE BOND**

KNOW ALL MEN BY THESE PRESENTS, that \_\_\_\_\_, as Principal, hereinafter called Contractor, and \_\_\_\_\_ as Surety, hereinafter called Surety, are held and firmly bound unto **Chester County**, 1476 J A Cochran, Chester SC 29706, as obligee, hereinafter called Owner, in the amount of \_\_\_\_\_ Dollars (\$\_\_\_\_\_), for the payment whereof Contractor and Surety bind themselves, their heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

WHEREAS, Contractor has entered into a certain contract with the Owner, dated \_\_\_\_\_ day of \_\_\_\_\_, 2022, for the construction of **Chester CTC 2023 Paving Program - 21 Roads** in accordance with the Drawings and Specifications prepared by Infrastructure Consulting & Engineering (ICE), which contract is by reference made a part hereof, and is hereinafter referred to as the Contract.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that, if Contractor shall promptly and faithfully perform said Contract, then this obligation shall be null and void; otherwise, it shall remain in full force and effect.

The Surety hereby waives notice of any alteration or extension of time made by the Owner.

Whenever Contractor shall be, and declared by Owner to be in default under the Contract, the Owner having performed Owner's obligations there under, the Surety may promptly remedy the default, or shall promptly:

- 1) Complete the Contract accordance with its terms and conditions, or
- 2) Obtain a bid or bids for completing the Contract in accordance with its terms and conditions, and upon determination by Surety of the lowest responsible bidder, or, if the Owner elects, upon determination by the Owner and the Surety jointly of the lowest responsible bidder, arrange for a contract between such bidder and Owner, and make available as Work progresses (even though there should be a default or a succession of defaults under the contract or contracts of completion arranged under this paragraph) sufficient funds to pay the cost of completion less the balance of the contract price; but not exceeding, including other costs and damages for which Surety may be liable hereunder, the amount set forth in the first paragraph hereof. The term "balance of the contract price", as used in this paragraph, shall mean the total amount payable by Owner to Contractor under the Contract and any amendments thereto, less the amount properly paid by Owner to Contractor.

Any suit under this bond must be instituted before the expiration of two (2) years from the date on which final payment under the Contract falls due.

No right of action shall accrue on this bond to or for the use of any person or corporation other than the Owner named herein or the heirs, executors, administrators, or successors of the Owner.

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_, 2022.

**PRINCIPAL**

**SURETY**

\_\_\_\_\_  
Bidder's Name and Corporate Seal (Seal)

\_\_\_\_\_  
Surety's Name and Corporate Seal (Seal)

By: \_\_\_\_\_  
Signature and Title

By: \_\_\_\_\_  
Signature and Title  
(Attach Power of Attorney)

Attest: \_\_\_\_\_  
Signature and Title

Attest: \_\_\_\_\_  
Signature and Title

**PAYMENT BOND**

KNOW ALL MEN BY THESE PRESENTS that \_\_\_\_\_, as Principal, hereinafter called Principal, and \_\_\_\_\_, as Surety, hereinafter called Surety, are held and firmly bound unto **Chester County**, 1476 J A Cochran Bypass, Chester SC 29706, as obligee, hereinafter called Owner, in the amount of \_\_\_\_\_ Dollars (\$ \_\_\_\_\_), for the payment whereof Principal and Surety bind themselves, their heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

WHEREAS, Principal has entered into a certain contract with the Owner, dated \_\_\_\_\_ day of \_\_\_\_\_, 2022, for the construction of: **Chester CTC 2023 Paving Program - 21 Roads** in accordance with the Drawings and Specifications prepared by Infrastructure Consulting & Engineering (ICE), which contract is by reference made a part hereof, and is hereinafter referred to as the Contract.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that, if Principal shall promptly make payment to all claimants as hereinafter defined, for all labor and material used or reasonably required for use in the performance of the Contract, then this obligation shall be void; otherwise, it shall remain in full force and effect, subject, however, to the following conditions:

1. A claimant is defined as one having a direct contract with the principal or with a Subcontractor of the Principal for labor, material, or both, used or reasonably required for use in the performance of the Contract, labor and material being construed to include that part of water, gas, power, light, heat, oil, gasoline, telephone service or rental of equipment directly applicable to the Contract.
2. The above named Principal and Surety hereby jointly and severally agree with the Owner that every claimant as herein defined, who has not been paid in full before the expiration of a period of ninety (90) days after the date on which the last of such claimant’s work or labor was done or performed, or materials were furnished by such claimant, may sue on this bond for the use of such claimant, prosecute the suit to final judgment for such sum or sums as may be justly due claimant, and have execution thereon. The Owner shall not be liable for the payment of any costs or expenses of any such suit.
3. No suit or action shall be commenced hereunder by any claimant:
  - a) Unless claimant, other than one having a direct contract with the Principal, shall have given written notice to any two of the following: the Principal, the Owner, or the Surety above named, within ninety (90) days after such claimant did or performed the last of the work or labor, or furnished the last of the materials for which said claim is made, stating with substantial accuracy the amount claimed and the name of the party to whom the materials were furnished, or for whom the work or labor was done or performed. Such notice shall be served by mailing the same by registered mail or certified mail, Postage prepaid, in an envelope addressed to the Principal, Owner, or Surety, at place where an office is regularly maintained for the transaction of business, or served in any manner in which legal process may be served in the state in which the aforesaid project is located, save that such service need not be made by a public officer.
  - b) After the expiration of one (1) year following the date on which Principal ceased Work on said Contract, it being understood, however, that if any limitation embodied in this bond is prohibited by any law controlling the construction hereof such limitation shall be deemed to be amended so as to be equal to the minimum period of limitation permitted by such law.
4. The amount of this bond shall be reduced by and to the extent of any payment or payments made in good faith hereunder, inclusive of the payment by Surety of mechanics’ liens which may be filed of record against said improvement, whether or not claim for the amount of such lien be presented under and against this bond.

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_, 2022

**PRINCIPAL**

**SURETY**

\_\_\_\_\_  
 Bidder’s Name and Corporate Seal  
 By: \_\_\_\_\_  
 Signature and Title  
 Attest: \_\_\_\_\_  
 Signature and Title

\_\_\_\_\_  
 Surety’s Name and Corporate Seal  
 By: \_\_\_\_\_  
 Signature and Title  
 (Attach Power of Attorney)  
 Attest: \_\_\_\_\_  
 Signature and Title

## SECTION VI: SPECIAL PROVISIONS

**SPECIAL PROVISIONS****PROJECT NUMBER****COUNTY****RFB 22-54.03****CHESTER**

This project is to be constructed under the South Carolina Department of Transportation's Specifications for Highway Construction Edition of 2007, the South Carolina Department of Transportation's 2004 Construction Manual, and the Supplemental Technical Specifications in effect at the time of the letting, and the following Special Provisions.

**DEFINITION AND TERMS:**

Delete Paragraph 101.3.27, (the) Engineer, of the 2007 Version of the Standard Specifications for Highway Construction in its entirety and replace with the following:

*Chester County, acting directly or through his duly authorized representative, such representative acting within the scope of particular assigned duties or authority. On this Project the firm of Infrastructure Consulting & Engineering (ICE) shall function as the Engineer's duly authorized representative with authority as described in Section 105, "CONTROL OF WORK", of the Standard Specifications for Highway Construction, latest Edition.*

***The project Owner is CHESTER COUNTY. In the specifications where the terms "SCDOT" or "Department" or other like terms are used to describe the facility Owner, it shall be interpreted as meaning Chester County, as appropriate.***

Add "Notice-to-Proceed" to Section 101 as follows:

*Notice-to-Proceed. A written notice to the Contractor fixing the date on which the Contract Time will commence to run and on which the Contractor may start to perform obligations under the Contract Documents.*

*It is the intentions of the owner to have the Contractor begin work on this project as soon as practical. The owner anticipates that an award and contract will be issued within two weeks after bids are received. The owner will require that the completed contract, bonds, insurance, and other information required by the contract shall be completed within two weeks after bids are received.*

**ERRATA TO 2007 STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION:**

See attached Supplemental Specification dated **January 1, 2018** on **page 59**.

**SUBSTANTIAL COMPLETION OF WORK:**

Contractor shall have the work substantially complete **on December 31, 2023**.

**STANDARD DRAWINGS:**

The Bidders are hereby advised that this project shall be constructed using the latest Standard Drawings with all updates effective at the time of the letting. The Standard Drawings are available for download at [http://www.scdot.org/doing/sd\\_disclaimer.shtml](http://www.scdot.org/doing/sd_disclaimer.shtml). All drawings that are updated are labeled with their effective letting date in red.

The Standard Drawings are available to purchase through the SCDOT Engineering Publications Sales Center. The Engineering Publication Sales Center is located in Room G-19 (basement level) of the SCDOT Headquarters Building, 955 Park Street, Columbia, South Carolina.

All references in the plans, standard specifications, supplemental specifications, supplemental technical specifications or special provisions to drawings under the previous numbering system are hereby updated to the new drawing numbers. Refer to sheets 000-205-01 through 000-205-07 to find new drawing numbers when looking for references to older drawing numbers.

**AWARD OF CONTRACT:**

Subsection 103.2 of the Standard Specifications is amended to allow sixty (60) days for the award of a contract after the opening of proposals.

**PROPOSAL ITEMS AND QUANTITIES:**

A list of bid items and quantities is on **page 30**.



**CONSTRUCTION STAKES, LINES AND GRADES:**

Stakes, Lines, and Grades shall be provided by the Contractor as necessary.

**QUALIFIED PRODUCT LISTINGS:**

All references to "Approval Sheet" or "Approval Policy" are to be replaced with "Qualified Products Listings (QPL)" and "Qualified Products Policies (QPP)" respectively. This change includes all references in the SCDOT Standard Drawings, SCDOT Standard Specifications, SCDOT Supplemental Specifications, SCDOT Special Provisions, SCDOT Supplemental Technical Specifications, SCDOT Internet and Intranet websites, and all other documents produced by SCDOT.

**SOUTH CAROLINA MINING ACT:**

See Attached Supplemental Specification Dated **March 20, 2003**, on page **58**. This Supplemental Specification is hereby modified as follows:

Paragraph 9 is hereby deleted and replaced with the following:

The deputy secretary for engineering, or his duly appointed representative, will make a final inspection of the reclaimed area and keep a permanent record of his approval thereof. A map or sketch providing the location and approximate acreage of each pit used on the project will be provided to the resident construction engineer for inclusion in the final plans.

The last paragraph is hereby deleted and replaced with the following:

The contractor shall comply with the provisions of the plan that are applicable to the project as determined by the engineer. Seeding or other work necessary to comply with the plan on pits furnished by the contractor shall be at the expense of the contractor. Seeding shall be in accordance with SC-M-810 (latest version) which can be found at [http://scdot.org/doing/sup\\_tech\\_specs.shtml](http://scdot.org/doing/sup_tech_specs.shtml).

**DBE PARTICIPATION:**

The Bidder is encouraged to utilize DBE subcontractors on this project. All DBE participation shall be reported to the Engineer prior to Substantial Completion.

**CONSTRUCTION QUALITY CONTROL AND ASSURANCE TESTING:**

The contractor shall provide construction quality control and quality assurance testing for this project, except for MANUFACTURERS MATERIALS CERTIFICATIONS AND CERTIFIED TEST REPORTS as required by the provision included below.

**INSURANCE REQUIREMENTS:**

In addition to the requirements as set forth in Section 103.8 of the Standard Specifications (Edition of 2007), the Contractor shall purchase and maintain, in a company or companies acceptable to the Owner, general liability and automobile liability insurance written on an occurrence basis, with minimum limits as shown below or as required by law, whichever is greater. **The Contractor shall include the Owner, and Infrastructure Consulting & Engineering (ICE) As Additional Insured's.** The authorized insurance company shall provide a Waiver of Subrogation in all policies maintained by the insured for the performance of the Contract.

<b>GENERAL LIABILITY</b>	<b>LIMIT</b>
General Aggregate	\$1,000,000.00
Products – Comp/Ops Aggregate	\$500,000.00
Personal & Advertising Injury	\$500,000.00
Each Occurrence	\$500,000.00
Fire Damage (any one fire)	\$25,000.00
Medical Expense (any one person)	\$10,000.00
<b>AUTOMOBILE LIABILITY (Any Auto)</b>	
Combined Single Limit	\$500,000.00

The Contractor shall also purchase and maintain in a company or companies acceptable to the Owner, Worker's Compensation and Employer's Liability Insurance with minimum limits as shown below or as required by law, whichever is greater:

<b><u>WORKER'S COMPENSATION and EMPLOYER'S LIABILITY (statutory)</u></b>	<b><u>LIMIT</u></b>
(Each Accident)	\$100,000.00
(Disease-Policy Limit)	\$500,000.00
(Disease-Each Employee)	\$100,000.00

Certificates of Insurance acceptable to the Owner shall be filed not less than 10 days after notification of award.

The Certificate of Insurance shall not be changed to the extent that limits are decreased by endorsement, canceled or non-renewed without thirty (30) days prior written notice to the Owner. The Contractor shall provide and maintain the overages as required by Section 103.08 and these additional requirements. Failure to provide and maintain the required coverage will be grounds to declare the Contractor in default of the Contract.

The criteria which Insurance Company or Companies are deemed satisfactory by the Owner shall include, but not be limited to the following:

- a) The above required insurance coverage shall be written by a Company or Companies licensed in the areas of required coverage by the Insurance Commissioner of the South Carolina Department of Insurance, and
- b) The Insurance Company or Companies shall be assigned a rating of "A-" or better by A. M. Best Company on its most recent Best's Insurance Report, and
- c) The Owner considers the "ACORD Certificate of Insurance" as an acceptable form of certificate.

#### **RETAINAGE:**

If the Contractor's progress is judged to be delinquent or portions of the work are defective, the County reserves the right to withhold retainage. The total amount retained will be sufficient to cover anticipated liquidated damages and the cost to correct defective work.

#### **PROMPT PAYMENT CLAUSE:**

See attached Supplemental Specification dated **July 2017** on page **63**.

#### **MANUFACTURERS MATERIALS CERTIFICATIONS AND CERTIFIED TEST REPORTS:**

The contractor shall supply the Engineer with all required materials certifications and manufacturers test reports for items to be permanently incorporated into the project, prior to their use. The County must approve these certifications and reports before payment can be made to the contractor for these items.

#### **REQUIRED MEDIA NOTIFICATION FOR CONSTRUCTION PROJECTS:**

Contractors are encouraged to co-operate with the news media since all projects are constructed with public funds. Because the scope of this project will cause disruption of normal traffic flow, the Contractor is required to notify the public, in a timely manner, of disruptive activities such as lane closures.

The Contractor is required to utilize area media to accomplish public notification of traffic disruptions.

The Contractor is required to deal directly with the news media and all reasonable efforts should be made to co-operate with the media. However, the safety, security and construction schedule on site should not be disrupted to accomplish this. The Contractor may coordinate these activities with and receive guidance from the Engineer.

#### **CONTRACT PROVISION TO REQUIRE CERTIFICATION AND COMPLIANCE CONCERNING ILLEGAL ALIENS:**

By submission of this bid, the bidder as the prime contractor does hereby agree:

- a. to certify its compliance with the requirements of Chapter 14 of Title 8 of the S.C. Code of Laws regarding Unauthorized Aliens and Public Employment;
- b. to provide SCDOT with any documents required to establish such compliance upon request; and
- c. to register and participate and require agreement from subcontractors and subcontractors to register and participate in the federal work authorization program to verify the employment authorization of all new employees, or to employ only workers who supply the documents required pursuant to S.C.Code 8-14-20(B)(2).

#### **PROSECUTION OF THE ROAD IMPROVEMENT WORK:**

It is the County's intentions that work on this contract be performed in a sequential manner. Once a construction activity (reclamation, treatment, shoulder work) has started on a road, the Contractor will continue this activity until it is complete before moving to another road. In the event the Contractor elects to use multiple crews on this project,

work may proceed on more than one area. However, in no case will construction activities be initiated on more area than the number of work crews engaged in the work without the approval of the Resident Construction Engineer.

#### **CONTRACT TIME AND DETERMINATION AND EXTENSION OF CONTRACT TIME:**

Any extensions of these completion dates will adhere to Section 108.6 of the Standard Specifications.

#### **FAILURE TO COMPLETE THE WORK ON TIME:**

Delete Section 108.9 in its entirety and substitute the following in its place:

Owner and Contractor recognize that time is of the essence and that the Owner will suffer financial loss if the work is not substantially complete in accordance with the time(s) specified herein. They also recognize the delays, expenses and difficulties involved in proving in a legal or arbitration proceeding the actual loss suffered by the Owner if the work is not completed on time.

Accordingly, instead of requiring such proof, the Owner and the Contractor agree that as liquidated damages for delay (but not as a penalty) the Contractor shall pay the Owner \$500.00 per day for each calendar day past the contract specified interim and completion date.

#### **COORDINATION OF UTILITY RELOCATION WORK WITH HIGHWAY CONSTRUCTION:**

As it is not economically feasible to complete the rearrangement of all utility conflicts in advance of the highway construction, such rearrangements may be underway concurrently with construction.

***It shall be the responsibility of the contractor to inspect the site for potential utility conflicts.***

It is the responsibility of the Contractor to call Palmetto Utility Protection Service (1-888-721-7877) three (3) days prior to work so that existing utilities can be properly marked.

#### **CEMENT MODIFIED RECYCLED BASE**

Section 306 of the standard specifications is deleted and replaced with the attached supplemental specification dated 1-2018, as shown on page 67.

#### **RATE OF APPLICATION:**

Portland cement shall be uniformly applied and mixed over the entire length of each roadway at a rate established per roadway, as determined by the Project Manager or Engineer. The pounds per square yard specified are set up as an average rate of application. The Engineer may direct variations wherever conditions warrant.

**The rate of application for this project will be determined by the contractor per section 306.4.4 with a separate test on each road. For bid purposes only, 60 LBS/SY have been used on 8" thick reclamation. The actual amount of cement required is normally less than the bid rate and will be paid for at the rate used in the field.**

#### **DRESSING OF SHOULDERS:**

Prior to beginning work on the Cement Modified Recycled Base, the contractor shall be required to remove all vegetation in the existing roadway and to a distance of 12 inches outside the edge of the new *pavement* and any other area which impedes the placement of the base and or asphalt mixture to the specified width.

The contractor shall also remove and dispose of all excess asphalt and debris which is disturbed during minor grading for widening or during removal of debris or grass from existing surface during preparation of surface for new lift. After the surfacing, has been placed, the contractor shall blade the disturbed material to the extent that the shoulder is left in a neat and presentable condition. All excess material shall be removed from the project. No direct payment shall be made for this work. All costs are to be included in the price of other items of work.

#### **BORROW EXCAVATION FOR SHOULDERS**

This work shall consist of satisfactory placement of all materials necessary to bring the shoulder grade flush with the final pavement edge grade. The Contractor shall furnish all earth material necessary to eliminate any edge of final pavement to shoulder gradient differential that exceeds 1 inch.

Selected materials shall be used for this operation. The selected material shall consist of a friable material such as topsoil, etc., containing grass roots and having the properties of being comparatively porous; capable of growing grass and of a stable nature in that when compacted it will resist erosion and be capable of supporting vehicles when relatively wet. When the area where material is to be placed, is greater than 4 feet in width, it shall be scarified and/or disked to a minimum depth of 3 inches prior to placing any material. Scarifying or disking is not required for

areas less than 4 feet in width. Borrow shall be mixed with the existing scarified and/or disked shoulder material in such a manner as to provide a seed bed in accord with Section 810.15 of the Standard Specifications. The Contractor has the option of placing the borrow material (a) Prior to placing final surface course or (b) Following the placing of the finished surface course. Payment for this work shall be included in the payment price for Cement Modified Reclaimed Base or HMA Surface Course Type C (liquid included).

**MAINTENANCE STONE:**

Maintenance Stone used on this project shall conform to the gradation requirements of Section 305, or to the gradation specified for Aggregate No. CR-14 in the Standard Specifications. This material will be used in driveways, over pipe, and as directed by the engineer.

**WORK TO BE INCLUDED IN THIS PROJECT:**

Chester County, due to budget considerations or any other reason, reserves the right to adjust the amount of work to be performed on this project. Projects (complete roads) may be added or deleted only at the discretion of the County. The Contractor shall, by signing this request for bids, agree to adjust, as indicated by the County, the lengths or quantities of roadways and corresponding pay items to be performed, at the times and locations determined to be beneficial to the County.

**ROADWAY TYPICAL SECTION:**

Each roadway or section of roadway shall have a corresponding ROADWAY TYPICAL SECTION that the final roadway surface shall be graded and surfaced to meet. The ROADWAY TYPICAL SECTION drawing is included in these bid documents on **page 87**. The Typical Section contains profile and cross slope criteria that shall be met for the entire length of each roadway or roadway section. Contractor shall grade the existing roadway to generally improve vertical curves and to create uniform roadway profiles and alignments. Roadway profiles shall be graded to maintain drainage and to minimize dips or steepness (minimum of .05% or as directed by Engineer). Slope and profile shall be subject to approval by Engineer prior to cement stabilization. All work associated with achieving the ROADWAY TYPICAL SECTION shall be included in the unit price work for under Cement Stabilized Earth Base Course HMA Paving or Station Grading.

**BITUMINOUS SURFACING:**

Sections 406 – 408 of the Standard Specifications shall be amended and/or include as follows:

Contractor shall allow proper breakdown of liquid emulsion before applying stone to treatment. The Contractor shall exercise care so as not to spread an excessive amount of aggregate, which may become a hazard.

Bituminous Surfacing Single Treatment shall include CRS-2P emulsion. After sufficient time has passed to allow stone to adequately set, but no later than 24 hours upon completion of rolling, roads and intersections must be swept to remove all loose stone from the treatment.

Section 406.3.2 Aggregate Spreaders: The first sentence shall be amended to read, Aggregate Spreaders for this project shall be self-propelled.

**BITUMINOUS SURFACING – DOUBLE TREATMENT TYPE 3**

CRS – 2P shall be used in the place of CRS – 2 for the Double Treatment Process. Excess stone shall be removed prior to final inspection.

**BITUMINOUS SURFACING OPERATIONS:**

The bituminous surfacing overlays shall be applied in two separate and distinct operations as described in sections 406 & 407 of the Standard Specifications, each operation representing about one-half of the roadway width and traffic shall be maintained continuously. Unless otherwise directed by the Engineer, paving operations shall be scheduled such that the length of the longitudinal joint exposed to traffic shall not extend beyond the length of pavement placed in one normal day's operation (or 3 miles, whichever is greater) before dropping back to bring the adjacent lane forward.

**MAINTENANCE OF TRAFFIC:**

In addition to the Contractor maintaining traffic throughout the length of this project as required by the Specifications, it will also be necessary that the Contractor, prior to beginning any work, submit to the Engineer for approval his plan for constructing this project.

**MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES:**

The Contractor is advised that all work involving design or installation of traffic control devices, including but not limited to signs, pavement markings, elements of work zone traffic control, signals, etc., shall be in compliance with the FHWA's Manual on Uniform Traffic Control Devices (MUTCD), latest edition. The latest edition is defined as the edition that the Traffic Engineering Division of SCDOT recognizes as having been officially adopted (Engineering Directive, Memorandum 19) at the time the project is let, unless stated otherwise in the Special Provisions.

**A suggested permanent construction sign schedule has been included on page 109. It shall be the responsibility of the contractor to verify the correctness and mark the location of all signs.**

**TRAFFIC CONTROL**

The Contractor shall execute the item of Traffic Control as required by the Standard Specifications, the plans, the Standard Drawings for Road Construction, these special provisions, all supplemental specifications, the MUTCD, and the Engineer. This is an amendment to the Standard Specifications to require the following:

**GENERAL REGULATIONS -**

These special provisions shall have priority to the plans and comply with the requirements of the MUTCD and the standard specifications. Revisions to the traffic control plan through modifications of the special provisions and the plans shall require approval by the County. **Final approval of any revisions to the traffic control plan shall be pending upon review.**

Install and utilize changeable message signs in all lane closures installed on high volume high-speed multilane roadways. Use of changeable message signs in lane closures installed on low volume low speed multilane roadways is optional unless otherwise directed by the plans and the Engineer. Install and use a changeable message sign within a lane closure set-up as directed by the *Standard Drawings For Road Construction*. When a lane closure is not present for any time to exceed 24 hours, remove the changeable message sign from the roadway. Place the sign in a predetermined area on the project site, as approved by the Engineer, where the sign is not visible to passing motorists. The preprogrammed messages utilized shall be in accordance with the *Standard Drawings For Road Construction* when used as part of the traffic control set-up for lane closures. Only those messages pertinent to the requirements of the traffic control situation and the traffic conditions are permitted for display on a changeable message sign at all times. At no time, will the messages displayed on a changeable message sign duplicate the legends on the permanent construction signs.

During operation of changeable message signs, place the changeable message sign on the shoulder of the roadway no closer than 6 feet between the sign and the near edge of the adjacent travel lane. When the sign location is within 30' of the near edge of a travel lane open to traffic, supplement the sign location with no less than 5 portable plastic drums placed between the sign and the adjacent travel lane for delineation of the sign location. Install and maintain the drums no closer than 3 feet from the near edge of the adjacent travel lane. This requirement for delineation of the sign location shall apply during all times the sign location is within 30' of the near edge of a travel lane open to traffic, including times of operation and non-operation. Oversized cones are prohibited as a substitute for the portable plastic drums during this application.

**All signs mounted on portable sign supports shall have a minimum mounting height of 5' from the ground to the bottom of the sign. All signs mounted on ground mounted u-channel posts shall have a minimum mounting height of 7' from the ground to the bottom of the sign. Temporary "Exit" signs (M1025-00) shall be located within each temporary gore during lane closures on multilane roadways. Mount these signs a minimum of 7' from the pavement surface to the bottom of the sign in accordance with the requirements of the MUTCD.**

When covering signs with opaque materials, the Department prohibits attaching a covering material to the face of the sign with tape or a similar product or any method that will leave a residue on the retroreflective sheeting. Residue from tape or similar products, as well as many methods utilized to remove such residue, damages the effective reflectivity of the sign. Therefore, contact of tape or a similar product with the retroreflective sheeting will require replacement of the sign. Cost for replacement of a sign damaged by improper covering methods will be considered incidental to providing and maintaining the sign; no additional payment will be made.

Signs not illustrated on the typical traffic control standard drawings designated for permanent construction signs shall be considered temporary and shall be included in the lump sum price bid item for "Traffic Control" unless otherwise specified.

Install and maintain any necessary detour signing as specified by the typical traffic control standard drawings designated for detour signing, Part VI of the MUTCD, these Special Provisions, and the Engineer. The lump sum price bid item for "Traffic Control" includes payment for installation and maintenance of the detour signing.

The Contractor shall maintain the travel patterns as directed by the traffic control plans and shall execute construction schedules expeditiously. The Contractor shall provide the Resident Engineer with no less than a two-week prior notification of changes in traffic patterns.

Upon completion of the final riding surface on each road, the Contractor will be allowed up to 3 working days to begin eliminating shoulder drop-offs greater than 2" and continue the work until these drop-offs are eliminated.

**During paving operations, the Department requires lane closures at all times where grade elevation differences and drop-offs greater than 2" exist adjacent to or between the travel lanes of a roadway opened to traffic, unless otherwise specified by these special provisions. Maintain lane closure restrictions at all times unless otherwise directed by these special provisions.**

**During surface planing and milling operations, the department requires lane closures at all times where grade elevation differences and drop-offs greater than 1" exist adjacent to or between the travel lanes of a roadway open to traffic, unless otherwise specified by these special provisions. If this grade elevation difference exceeds 1", mill the adjacent travel lanes or pave the milled travel lanes as necessary to eliminate these grade elevation differences before opening the travel lanes to traffic at these locations. Maintain lane closure restrictions at all times unless otherwise directed by these special provisions.**

**During the paving operations, the length of roadway with an acceptable grade elevation difference less than or equal to 2" shall not exceed 2 miles.**

**During the surface planing operations, the length of roadway with an acceptable grade elevation difference less than or equal to 1" shall not exceed 2 miles.**

#### **LANE CLOSURE RESTRICTIONS -**

The Contractor shall install all lane closures as directed by the Standard Specifications For Highway Construction (Edition of 2007), the Standard Drawings For Road Construction, these special provisions, the MUTCD, and the Engineer. The Contractor shall close the travel lanes of two-lane two-way roadways by installing flagging operations. The Contractor shall close the travel lanes of multilane roadways as directed by the typical traffic control standard drawings designated for lane closures on primary routes.

**The Department prohibits lane closures on primary routes during any time of the day that traffic volumes exceed 800 vehicles per hour per direction. The Department reserves the right to suspend a lane closure if any resulting traffic backups are deemed excessive by the Engineer. Maintain all lane closure restrictions as directed by the plans, these special provisions, and the Engineer. The Department reserves the right to restrict the installation of lane closures on high volume primary routes when the presence of a lane closure will seriously hinder normal traffic flow during extended holiday periods. An extended holiday period is hereby defined as those days preceding and following the holiday that experience significant increases in the volume of traffic due to the holiday as determined by the Department. Also, the Department reserves the right to increase an extended holiday period if excessive traffic disruptions occur during those days prior to and after the established extended holiday period. Extended holiday periods include but are not limited to the week of Thanksgiving, the weeks before and after Christmas, and the weeks before and after the 4<sup>th</sup> of July. The Contractor should submit inquiries to the Engineer regarding specific days of an extended holiday period no less than two weeks prior to entering into an extended holiday period. The Contractor should make these inquiries annually due to the progressive nature of the calendar.**

Flagging operations are considered to be lane closures for two-lane two-way operations and shall be subject to all restrictions for lane closures as specified by this contract.

Lane closures, including flagging operations, are restricted to maximum distances of 2 miles. Install all lane closures according to the typical traffic control standard drawings. On occasions when daytime lane closures must be extended into the nighttime hours, substitute the nighttime lane closure standards for the daytime lane closure standards.

**The Department reserves the right to suspend a lane closure if any resulting traffic backups are deemed excessive by the Engineer. Maintain all lane closure restrictions as directed by the Standard Specifications, these special provisions, and the Engineer.**

Install the permanent construction signs as shown on the typical traffic control standard drawing, "Construction Signing Permanent Primary Routes 605-010-02", or as directed by Engineer. A list of roadways for the placement of the signs can be obtained from the Engineer.

#### **CONSTRUCTION SCHEDULE:**

The successful Bidder shall, prior to commencement of work, submit to the County a schedule showing the order in which he proposes to carry on the Work indicating the periods during which he will perform work on each roadway. The County of Chester reserves the right to determine priority of schedule items, but unless modified by the parties, in writing, the successful Bidder shall have sole Responsibility for following and coordinating its schedule.

#### **SURPLUS MATERIAL:**

The contract bid price for other items of work shall be full payment for excavating, hauling, disposing of and seeding any surplus material.

#### **SEEDING:**

Section 810.2.3.3 is hereby amended by adding the following note to the table:

- 2 The use of Annual Sudan Grass for temporary vegetation shall be prohibited statewide. Seeding will be accomplished using the hydro seeding method.

#### **PERMANENT PIPE CULVERTS**

Ensure that all types and sizes of permanent and temporary pipe culverts conform to the requirements of the special provisions and the latest edition of applicable SCDOT supplemental, OMR Standard Method of tests.

**Supplemental Technical Specification SC-M-714 in effect at the time the bid proposed for the project was advertised. (September 8, 2009).**

#### **LUMP SUM BID ITEMS:**

It is predetermined that all lump sum bid items shall be applied equally among all roads, unless otherwise stated. This will apply to pay estimates as well deletion or addition of a road should one be deleted or added.

Lanksford and Knollwood, Shoreview and Hopps, and Orrs Station, Pall Mall, Sunshine, and Ballindam will be considered as one for purposes of lump sum bid items and one for each bid item of Mobilization and Traffic Controls.

#### **HOT MIX ASPHALT (LIQUID INCLUDED):**

The costs of shaping and compacting the existing or added crushed stone base in driveways or elsewhere shall be included in the costs of the HMA which will cover the base. All driveways will be paved. The contractor shall furnish to the Engineer a plant mix lab report for each mix used on a daily basis.

#### **TESTING:**

The contractor will be responsible for all quality control and testing. One-point proctors will be accepted if necessary. A minimum of one compaction test will be run every 2500 feet of cement modified base or at least one per lane per road. Roller patterns, daily plant test reports, and other tests required by SCDOT will also be required on HMA.

#### **WORK SCHEDULE:**

There will be no mixing or digging operations between 4 PM on Friday and 7AM on Monday, without written permission of the engineer. No work will be performed on Saturday or Sunday.

#### **ASPHALT BINDER ADJUSTMENT INDEX:**

The Asphalt binder index on this project is the SCDOT index September 2022 but will be used only on HMA Surface Course Type C (liquid included) and be determined in the following manner. Each square yard of HMA Surface Course Type C (liquid included) 2" uniform shall be assumed to weigh 220 pounds or .11 tons. Using the daily plant mix lab report, the amount of binder will be determined and indexed up or down accordingly. The base price for this project is the SCDOT September 2022 Index is \$755.91.

**WARRANTY:**

The Contractor agrees to a one-year warranty against defects, failures etc. caused by materials and workmanship, beginning on the date of final acceptance of punch list.

**CEMENT MODIFIED RECYCLED BASE DEPTH:**

The bid item for Cement Modified Recycled Base thickness is shown in the quantities per road section beginning on **page 76**. After mix designs are determined, if more than stated uniform depth is required, 3% of base bid will be added for each additional inch of depth required. Cement will be paid for on a Ton basis as used.

**BID DOCUMENTS:**

All documents from **page 7 thru page 32** inclusive, shall be considered part of the bidding documents, and will be submitted with bid, making sure all blanks have been filled in or signed.

**HMA FULL DEPTH PATCHING:**

This item will consist of 4" deep HMA patching per SCDOT specs

**PATCH OVER PIPE CUT:**

This item will consist of saw cutting to existing pavement squared off, removing a minimum of 2" existing stone and replacing with 2" HMA.

**EARLY COMPLETION DATE:**

The completion date for this project is December 31, 2023, **except for Stephenson and Rocky Creek pipe work, which must have the pipe portion of the work completed prior to January 31, 2023**. HMA Patching may be done later in the season.

**STOP SIGN PLACEMENTS:**

Each Stop Sign shall be attached to each Street Sign.

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## SECTION VII: SUPPLEMENTAL SPECIFICATIONS

March 20, 2003

## THE SOUTH CAROLINA MINING ACT

The South Carolina Mining Act enacted by the General Assembly in 1973 requires that the Department adopt reclamation standards to govern activities of the Department and any person acting under contract with the Department, on highway rights-of-way or material pits maintained solely in connection with the construction, repair and maintenance of the public road systems in South Carolina.

STANDARD PLAN FOR THE RECLAMATION OF EXCAVATED AREAS ADOPTED BY THE South Carolina DEPARTMENT OF TRANSPORTATION

Reclamation plans as stated herein shall include all areas disturbed in excavations of borrow and material pits, except planned inundated areas.

The final side slopes of areas excavated for borrow and material pits shall be left at such an angle so as to minimize erosion and the possibility of slides. The minimum slope in every case shall be not less than 3:1.

Small pools of water should not be allowed that are, or are likely to become noxious, odious, or foul to collect or remain on the borrow pit. Suitable drainage ditches, conduits, or surface gradient shall be constructed to avoid collection of noxious, odious, or foul pools of water unless the borrow pit is to be reclaimed into a lake or pond.

Borrow pits reclaimed to a lake or pond must have an adequate supply of water to maintain a water sufficient level to maintain a minimum water depth of four (4) feet on at least fifty (50) percent of the surface area of the lake or pond.

Excavated areas will be drained where feasible unless otherwise requested by the property owner where, in such instances, the property owner may wish to develop the excavated area for recreational purposes or for the raising of fish, or for other uses, in compliance with the South Carolina Mining Act.

Where material is stripped from the ground surface in relatively thin layers, the area, after excavation has been completed, will be thoroughly scarified and terraced and planted to establish satisfactory vegetation necessary to control erosion. Vegetative cover should be established on a continuing basis to ensure soil stability appropriate to the area. Conservation practices essential for controlling both on-site and off-site erosion and siltation must be established. A minimum of seventy-five (75) percent vegetative ground cover, with no substantial bare spots, must be established and maintained into the second growing season.

Excavated areas that are drained will be seeded to obtain a satisfactory vegetative cover. The side slopes of excavated area will be planted to vegetation.

The State Highway Engineer, or his duly appointed representative, will make a final inspection of the reclaimed area and keep a permanent record of his approval thereof. A map or sketch providing the location and approximate acreage of each pit used on the project will be made available to the Final Plans Engineer.

All applicable regulations of agencies and statutes relating to the prevention and abatement of pollution shall be complied with by the contractor in the performance of the contract.

The Contractor shall comply with the provisions of the Plan which are applicable to the project as determined by the Engineer. Seeding or other work necessary to comply with the plan on pits furnished by the contractor shall be at the expense of the contractor. Bermuda shall not be planted on ground surface pit areas. The quantity of fescue seed specified in Subsection 810.04 of the Standard Specifications shall be increased to fifteen (15) pounds in lieu of the deleted Bermuda seed.

January 1, 2018

## ERRATA TO 2007 STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION

Make the changes listed below to correct errata in the SCDOT *2007 Standard Specifications for Highway Construction*:

### DIVISION 100 GENERAL PROVISIONS

#### SECTION 101 DEFINITIONS AND TERMS

##### Subsection 101.2 Abbreviations and Acronyms

Amend the table of **SCDOT OFFICIALS AND OFFICES** as follows:

DELETIONS		REPLACEMENTS	
<del>BDE*</del>	<del>Bridge Design Engineer</del>	PSE*	Preconstruction Support Engineer
<del>BDGE*</del>	<del>Bridge Design Geotechnical Engineer</del>	GDSE*	Geotechnical Design Support Engineer
<del>SHE*</del>	<del>State Highway Engineer</del>	DSE*	Deputy Secretary for Engineering

\*Wherever it appears in the text, replace the deleted abbreviation with the new abbreviation.

#### SECTION 102 BIDDING REQUIREMENTS AND CONDITIONS

##### Subsection 102.8 Irregular Bids

Paragraph 2, item E, first sentence; delete the word "the" after the word "When".

#### SECTION 105 CONTROL OF WORK

##### Subsection 105.6 Cooperation with Utilities

Paragraph 1, last sentence; change the word "THE" to "the".

### DIVISION 200 EARTHWORK

#### SECTION 202 REMOVAL OF STRUCTURES AND OBSTRUCTIONS

##### Subsection 202.5 Measurement

Paragraph 5, second bullet; change the words "Brick sidewalk" to "Concrete, brick or stone sidewalks".

#### SECTION 204 STRUCTURE EXCAVATION

##### Subsection 204.2.1.2 Structure Excavation for Culverts

Paragraph 1, at the end of the first sentence; change "**Subsection 204.4**" to "**Subsection 204.5**".

### DIVISION 400 ASPHALT PAVEMENTS

#### SECTION 401 HOT MIXED ASPHALT (HMA) PAVEMENT

##### Subsection 401.2.1.2 Liquid Anti-Stripping Agent

Paragraph 1, first sentence; delete the period at the end of the sentence and add "and SC-M-406".

##### Subsection 401.2.5 Material for Full Depth Patching

Paragraph 1, delete and replace with the following:

"Use an approved SCDOT Intermediate Type C mix for all Full Depth Patching."

**Subsection 401.5 Measurement**

After paragraph 10, add the following paragraph:

11 The measurement of Prime Coat is the number of gallons of asphalt material applied to the completed and accepted base course.

**Subsection 401.6 Payment**

After paragraph 12, add the following paragraph:

13 "The payment for Prime Coat is at the contract unit price for Prime Coat and includes compensation for all labor, equipment, tools, maintenance, and incidentals necessary to complete that work."

**Subsection 401.6 Payment**

Paragraph 13, **Table of Pay Items**

Change paragraph reference number "13" to "14" and add the following Pay Item:

Item No.	Pay Item	Unit
4010005	Prime Coat	GAL

**SECTION 403 HMA SURFACE COURSE****Subsection 403.5 Measurement**

Paragraph 1, first sentence; change "HMA Intermediate Course" to "HMA Surface Course".

**Subsection 403.6 Payment**

Paragraph 1, first sentence; change "HMA Intermediate Course" to "HMA Surface Course".

**SECTION 407 ASPHALT SURFACE TREATMENT – DOUBLE TREATMENT****Subsection 407.5 Measurement**

Paragraph 1, first sentence; add the word "is" after "(Double Treatment Type (1, 2, 3, 4, or 5))".

**SECTION 408 ASPHALT SURFACE TREATMENT – TRIPLE TREATMENT****Subsection 408.5 Measurement**

Paragraph 1, first sentence; add the word "is" after "(Triple Treatment Type (1 or 2))".

**DIVISION 600 MAINTENANCE AND TRAFFIC CONTROL****SECTION 625 PERMANENT PAVEMENT MARKINGS FAST DRY WATERBOURNE PAINT****Subsection 625.2.2.4.11 Lead Content**

Paragraph 1, first sentence; change 6% to 0.06%.

**SECTION 627 THERMOPLASTIC PAVEMENT MARKINGS****Subsection 627.4.10 Inspection and Acceptance of Work**

Paragraph 2, first sentence; change "period of 90 days" to "period of 180 days".

**Subsection 627.4.10 Inspection and Acceptance of Work**

Paragraph 2, second sentence; change "90-day observation period" to "180-day observation period".

**Subsection 627.4.10 Inspection and Acceptance of Work**

Paragraph 3, first sentence; change "90-day period" to "180-day period".

## DIVISION 700 STRUCTURES

### SECTION 709 STRUCTURAL STEEL

#### Subsection 709.4.3.5.2 Submittals and Notification

Paragraph 1, delete the last two sentences and replace them with, "The Department's review and acceptance are required before any field welding will be permitted."

#### Subsection 709.6.3 Pay Items (page 650)

Subsection heading number; change subsection heading number from "709.6.3" to "709.6.4".

### SECTION 712 DRILLED SHAFTS AND DRILLED PILE FOUNDATIONS

#### Subsection 712.4.4 Dry Construction Method

Paragraph 2, last sentence in A; change "*Drilled Shaft Report*" to "*Drilled Shaft Log*".

#### Subsection 712.4.10.4 Excavation Cleanliness

Paragraph 1, last sentence; change "*Drilled Shaft Report*" to "*Drilled Shaft Log*".

#### Subsection 712.4.10.6 Shaft Load Test

Change first paragraph reference number from "2" to "1".

#### Subsection 712.6.10 Drilled Pile Set-Up

Insert paragraph reference number "1" to the left of the first paragraph.

### SECTION 723 DECK JOINT STRIP SEAL

#### Subsection 723.1 Description

Insert paragraph reference number "3" to the left of the third paragraph.

### SECTION 726 BRIDGE DECK REHABILITATION

#### Subsection 726.4.1 General

Insert paragraph reference number "1" to the left of the first paragraph.

#### Subsection 723.4.6 Full Depth Patching (page 790)

Subsection heading number; change subsection heading number from "723.4.6" to "726.4.6"

#### Subsection 726.6.8 Concrete Overlay (Latex) or (Portland Cement) (page 802) Paragraph 2,

the equation is changed to  $AP=CP \times (ACS/RCS) ^ 2$

### SECTION 727 CROSSHOLE SONIC LOGGING OF DRILLED SHAFT FOUNDATIONS

#### Subsection 726.6 Payment (page 807)

Subsection heading number; change subsection heading number from "726.6" to "727.6"

## DIVISION 800 INCIDENTAL CONSTRUCTION

### SECTION 805 GUARDRAIL

#### Subsection 805.5 Measurement

Paragraph 4; amend as follows:

"The quantity for the pay item 8053000 Additional Length Guardrail Post is the length of required post installed in excess of the standard-length post based on the system being installed, measured by the linear foot (LF), complete, and accepted."

**SECTION 815 EROSION CONTROL****Subsection 815.1 Description**

Paragraph 1, first sentence; change "temporary flexible pipe" to "temporary pipe".

**Subsection 815.5 Measurement**

Paragraph 13; delete the first sentence and replace it with the following sentence: "The quantity for Temporary Pipe Slope Drains is measured and paid for in accordance with **Subsections 803.5** and **803.6** respectively."

**Subsection 815.5 Measurement**

Delete paragraph 19.

**Subsection 815.6 Payment**

After paragraph 15, add the following paragraph:

16 Payment for Removal of Silt Retained by Silt Fence is full compensation for removing and disposing of sediment deposits accumulated by silt fences as specified or directed and includes all materials, labor, equipment, tools, supplies, transportation, and incidentals necessary to fulfill the requirements of the pay item in accordance with the Plans, the Specifications, and other terms of the Contract.

**Subsection 815.6 Payment**

Change original paragraph number "16" to "17".

**Subsection 815.6 Payment**

Pay Item table; change the Unit for Item No. 8156214 to "EA".

**INDEX:**

Amend as follows:

Page I-3, after "Bridge Deck Rehabilitation, measurement and payment:" Delete page 807.

Page I-12, after "Letting:"  
Replace page 19 with page 9.

Page I-13, after "Overhead Sign Structure:" Replace  
page 488 with page 495.

Page I-15, after "Proof Rolling:" Delete  
page 98.

Page I-18, after "Structural Steel, turned and ribbed bolts:" Replace  
page 624 with page 625.

Page I-19, after "Waterproofing, bridge deck:" Delete  
page 907.

Page I- Drawings:"  
Replace page 543 with page 779.

July 2017

**PROMPT PAYMENT CLAUSE**

(1) Subject to the provisions on retainage provided in Paragraph (2) below, when a subcontractor has satisfactorily performed a work item of the subcontract, the Contractor must pay the subcontractor for the work item within seven (7) calendar days of the Contractor's receipt of payment from SCDOT. A subcontractor shall be considered to have "satisfactorily performed a work item of the subcontract" when the SCDOT pays the Contractor for that work item. In the case of a second or third tier subcontractor, the 7-day time period begins to run when the 1st tier subcontractor receives payment from the Contractor or when the 2nd tier subcontractor receives payment from the 1st tier subcontractor.

(2) The Contractor may withhold as retainage up to five (5%) percent of a subcontractor's payment until satisfactory completion of all work items of the subcontract. "Satisfactory completion of all work items of the subcontract" shall mean when the SCDOT accepts the last work item of the subcontract. The Contractor must release to the subcontractor any retainage withheld within seven (7) calendar days from the date the Contractor receives payment from SCDOT for the last work item of the subcontract or within seven (7) days from SCDOT's acceptance of the last work item of the subcontract, whichever is the latest to occur. However, upon documentation of good cause provided by the contractor and written concurrence by the Director of Construction, the Contractor may continue to withhold the 5% retainage.

(3) Prior to receiving payment of each monthly estimate, the Contractor shall (a) certify to SCDOT that the construction estimate is complete and that its subcontractors have been paid for work covered by previous estimates, for which they are entitled to be paid, in accordance with paragraphs (1) and (2) above, and (b) submit verification that Contractor has received similar certifications or evidence from its subcontractors that lower tier subcontractors have been paid in accordance with paragraph (1). No payment will be made to Contractor unless such documentation/certification is received or SCDOT has issued written approval for delayed payment and required status reports as follows:

- (i) The obligation to promptly pay subcontractors (all tiers) or to release retainage does not arise if there is a legitimate subcontract dispute with first tier and/or lower tier subcontractors. If there is a subcontract dispute, the Contractor may submit a written request to SCDOT to approve a delay in payment to the subcontractor which shall explain the nature of the dispute and identify relevant subcontract provisions as support. The explanation may include those reasons set forth in the SC Prompt Pay Act (S.C. Code Section 29-6-40). Payment to the subcontractor shall not be withheld without prior SCDOT written approval.
- (ii) Contractor shall submit a status report of the dispute in each monthly progress payment. The status report shall contain:
  - justification for the continuation of nonpayment in the form of a pending judicial proceedings, alternate dispute resolution (ADR) process or administrative proceedings, as evidence of why the delay shall continue; or
  - a certification that the matter is resolved, and payment has been issued to the subcontractor (first tier and/or lower tier subcontractors).

(4) Failure to comply with any of the above provisions shall constitute a material breach of the contract and shall result in one or more of the following sanctions: (1) no further payments to the Contractor unless and until compliance is achieved; (2) monetary sanctions; and/or (3) the Contractor being declared in default and being subject to termination pursuant to Section 108.10 of the Standard Specifications.

(5) Any subcontractor who believes it is due payment in accordance with the Prompt Payment Clause may request information from the servicing Resident Construction Engineer (RCE) as to whether and when payment for the subcontractor's work has been made to the Contractor. If payment has been made to the Contractor, and a subcontractor certifies to the RCE that the subcontractor has not been paid within seven (7) calendar days of SCDOT's payment to the Contractor or paid as provided in paragraph (1) for sub-tiers, the RCE will notify the Director of Construction. If SCDOT has not approved the delay in payment pursuant to paragraph 3 above, appropriate remedies set forth in paragraph (4) will be applied. On federally funded projects, the subcontractor may contact the Federal Highway Administration should SCDOT fail to address the non-payment issue.

(6) The Contractor agrees by submitting this bid or proposal that it will include this clause titled "PROMPT PAYMENT CLAUSE," provided by the SCDOT, without modification, in all subcontracts with its subcontractors. Contractor is responsible for requiring all of its subcontractors to include this PROMPT PAYMENT CLAUSE in all lower tier subcontracts. If Contractor knowingly enters or knowingly allows a subcontractor or lower tier subcontractor to enter into a subcontract without the PROMPT PAYMENT CLAUSE, SCDOT may apply the appropriate remedies set forth in paragraph (4) or pursue other available remedies, including breach of contract.

January 1, 2018

## **SECTION 810: EROSION CONTROL MEASURES**

**Delete Subsection 810.4.2** of the Standard Specifications in its entirety and replace with the following:

In addition to the erosion control measures specified in the Plans, Standard Specifications, Supplemental Technical Specifications and the Special Provisions, the Contractor is advised that all land disturbing activities (clearing and grubbing, excavation, borrow and fill) are subject to the requirements set forth in the following permits and regulations:

- South Carolina Code of Regulations 63-380, Standard Plan for Erosion, Sediment, and Stormwater Runoff Control. The regulation can be found at the South Carolina Legislature website.
- Erosion and Sediment Reduction Act of 1983 (Title 48, Chapter 18 of the South Carolina Code of Laws of 1983, as amended). Section 70 of this code authorized the South Carolina Department of Health and Environmental Control (SCDHEC) to administer this regulation with respect to lands under the jurisdiction of the South Carolina Department of Transportation. The code can be found at the South Carolina Legislature website.
- National Pollutant Discharge Elimination System (NPDES) General Permit Number SCR160000, effective January 1, 2013 (or latest version): The Environmental Protection Agency, in accordance with the Federal Clean Water Act, has granted to the South Carolina Department of Health and Environmental Control (SCDHEC) the authority to administer the Federal NPDES permit program in the State of South Carolina. The permit may be viewed at the SCDOT website.

In accordance with the NPDES General Permit SCR160000 section 2.1.E: "The Prime Contractor hired by SCDOT for a project will become a Secondary Operator with SCDOT upon signing the awarded contract. The Secondary Operator must complete the agreement found in Appendix B of the SCDOT Contract, (Contractor Certification Form). The agreement is to be signed in accordance with the signatory requirements of §122.22 of the South Carolina Regulation 61-9. The agreement is to be maintained with the SWPPP.

By signing the Contract, the contractor accepts/understands the terms and conditions of the *Storm Water Pollution Prevention Plan (SWPPP)* as required by the NPDES General Permit SCR160000 and may be legally accountable to SCDHEC for compliance with the terms and conditions of the SWPPP. In addition, the contractor is responsible for ensuring all subcontractors comply with the SWPPP and the permit requirements.

The SCDOT will complete and forward a *Notice of Intent (NOI)* to SCDHEC. If SCDHEC does not send a letter within 10 business days of receipt of the *NOI*, authorizing coverage, denying coverage, or advising that a review of the *SWPPP* will take place, coverage will be automatically granted.

At the pre-construction conference, with the contractor, the SWPPP will be explained and discussed so that the contractor is made aware of their responsibilities in the *SWPPP*.

Upon authorization of coverage, the SWPPP is to be fully implemented. The prompt installation of erosion coordinated with construction activities to maintain compliance with the above regulations and NPDES General Permit.



Erosion and Sediment Control Inspections are to be conducted by a qualified individual (Certified Erosion Prevention and Sediment Control Inspectors (CEPSCI), P.E., or those as stated in the permit) by the Department at least every 7 calendar days. A representative of the Contractor is also encouraged to accompany the inspection. Correct deficiencies noted during these inspections within the assigned priority period. If deficiencies are not corrected within this timeframe, the RCE can stop all work (except erosion and sediment control measures) until the deficiencies are corrected.

Give special attention to critical areas within the project limits (i.e., running streams, water bodies, wetlands, etc.). In these areas, the RCE may direct the Contractor to undertake immediate corrective action, but in no case, allow these deficiencies to remain unresolved more than 48 hours for a priority 1 deficiency or 7 days for a priority 2 deficiency. This is in accordance with their assigned priority as identified during the Erosion and Sediment Control Inspection.

Failure to adequately comply with the provisions as detailed above or any other required erosion control measures can result in stoppage of all contract operations (except erosion and sediment control measures) until corrective action has been taken. Additional sanctions may be invoked by the SCDHEC in accordance with their authority.

Fines assessed on the Department by SCDHEC as the result of the Contractor's non-compliance or violation of said permit provisions will be paid by the Department and will subsequently be deducted from any monies due to the Contractor. In case no monies are due or available, the fines incurred will be charged against the Contractor's Surety.

January 1, 2018

### REMOVAL OF EXISTING ASPHALT PAVEMENT BEFORE PATCHING

Delete Subsection 401.4.14 Removal of Existing Asphalt Pavement before Patching, of the Standard Specifications in its entirety and replace with the following:

The **RCE** will determine the limits of distressed pavement and will mark width and length of patches. **RCE / RME** will inspect the road and ensures that drainage is adequate, and no additional work needs to be done to the ditches and shoulders to promote proper drainage. The **RCE** may elect to obtain random cores if needed to determine proper depth of distressed area to be patched. Construct patches with a minimum size of 6.5 feet x 6.5 feet with at least 25 feet between patches. Care should be taken to ensure that longitudinal joints do not end up in the wheel paths. In the event that considerable quantities of full depth patching (FDP) are encountered, the RCE will consult with the State Pavement Design Engineer to consider other rehabilitation methods.

Remove the pavement to the depth indicated in the Plans, ensuring that the face of the cut is straight and vertical, with the exception of tapers needed to get equipment in and out of the patched area. If unstable material is encountered, remove additional material as directed by the **RCE**. Backfill the volume of the material removed below the patch with material meeting the requirements of **Section 305**, Graded Aggregate Base, and thoroughly compact in layers not exceeding 4 inches with a vibratory compactor. Thoroughly tack the sides of the existing pavement before placing the asphalt patch material in the hole.

Place the patch material in relatively uniform layers not to exceed the number of lifts in the table below. Ensure that the patch material is selected from the table below. Compact each layer with a vibratory compactor and a pneumatic roller. Whenever practical, allow lifts to cool down prior to placing the next lift, especially when doing multiple patches in the same area. The 175° F requirement between lifts does not apply to FDP. Conduct the work so that patches are opened and filled each day, with the roadway being opened to traffic by the end of each day's operation. Ensure that the finished patch is smooth riding by using a straight edge. Temperature and calendar restrictions found in **Section 401.4.4** do not apply, however no FDP will be permitted if the area is wet or frozen prior to removing the old pavement.

Full Depth Patching Materials		
Depth of FDP	Select mixture type below based on Depth of FDP	
	Alternate Mixture Options	Typical Mixture
4" or Less	Surface Type B / C 2 Lifts	Intermediate C 2 Lifts
6"	Surface Type B / C 2 Lifts	Intermediate C 2 Lifts
8"	Intermediate B Special 2 lifts	Intermediate C 3 lifts
10"	Intermediate B Special 2 lifts	Intermediate C 3 lifts
12" or More	Consult with the State Pavement Design Engineer	

## Supplemental Technical Specification for Cement Modified Recycled Base

SCDOT Designation: SC-M-306 (01/18)

### 1.0 DESCRIPTION

- 1.1** This section contains specifications for the materials, equipment, construction, measurement, and payment for the modification of an existing paved roadway or shoulder by scarifying the existing pavement structure, mixing it with Portland cement, and constructing the base course in conformance with the lines, grades, dimensions, and cross-sections shown on the Plans or as directed by the RCE.

### 2.0 MATERIALS

- 2.1** Portland Cement - Use Portland cement that conforms to the requirements of **Subsection 301.2.1**.  
**2.2** Water - Use water conforming to the requirements of **Subsection 701.2.11**.  
**2.3** Asphalt Material – Use asphalt material conforming to the requirements of **Subsection 301.2.4**.

### 3.0 EQUIPMENT

- 3.1** Ensure that the equipment necessary for the proper construction of the work is on site and in acceptable working condition. Provide sufficient equipment to enable prosecution of the work in accordance with the project schedule and completion of the work in the specified time.
- 3.2** Construct the base with self-propelled rotary mixer(s)/reclaimer(s) capable of mixing in place to the required depth. The mixer(s)/reclaimer(s) shall have a mechanism for controlling the reclaimed material gradation via breaker bar and/or a door opening on the mixer(s)/reclaimer(s). Mixer(s)/reclaimer(s) shall be fitted with an integrated liquid injection system capable of introducing liquid into the cutting drum during the mixing process.
- 3.3** Provide a sufficient number of water trucks on the jobsite at all times of operation to maintain the moisture requirements listed in **Subsection 9**. Ensure that the water truck used in conjunction with the reclaimer uses a direct injection system, and additional trucks maintain surface moisture during grading and compaction work and until the curing treatment is applied in accordance with **Subsection 13**. Accomplish this using a controlled and uniform application of water without eroding or otherwise damaging the CMRB surface.
- 3.4** Provide a spreader/distributor capable of achieving consistent, accurate and uniform distribution across the entire length and width of the roadway while minimizing dust. Ensure that the spreader has adjustable openings or gate headers and is not solely dependent on vehicle speed to obtain the required spread rate.
- 3.5** Provide a combination of sheepfoot rollers, smooth wheel tandem rollers, and/or pneumatic-tired rollers that have the ability to adequately compact reclaimed material throughout the entire specified CMRB thickness. Ensure the necessary weight, size and number of rollers to achieve the requirements of **Subsection 10**.

### 4.0 CONSTRUCTION

- 4.1** Regulate the sequence of work to process the necessary quantity of material to provide the full depth of modification as shown on the Plans:
- 4.1.1** Ensure structural integrity of reclaimed material is consistent throughout the depth of the modification.
  - 4.1.2** Ensure surface quality is sufficient to provide durable temporary pavement structure surface and supports permanent pavement structure performance.
  - 4.1.3** Incorporate appropriate material as specified in the plans for drainage correction, cross slope correction or roadway strengthening.

### 5.0 QUALITY CONTROL PLAN, TEST STRIP & CORRECTIVE ACTION REQUIREMENTS

- 5.1** Prepare an annual Quality Control Plan that ensures that operational techniques and activities provide integral and finished material of acceptable quality for each Cement Modified Recycled Base project. Submit a Quality Control Plan for acceptance to the Chemical Stabilization Engineer (CSE) in writing a minimum of two weeks before work begins for the year.
- 5.2** The Quality Control Plan should include, but not be limited to addressing the following items;

- 5.2.1 Contingency plans for pulverization, mixing and compaction when specifications criteria are not met. Consider the specific roadway conditions of various project sites.
- 5.2.2 Plan for identifying in-situ moisture conditions, adjusting the moisture content to meet specifications, and maintaining moisture content through the time of curing. Include a description of the methods and minimum contractor testing for moisture. Consider specific environmental conditions of various project sites and schedules.
- 5.3 Test Strips
  - 5.3.1 The first load of cement on the roadway will be used as a test strip to determine if the contractor is capable of producing a mixture according to specifications. Particular attention will be paid to the moisture and compaction requirements set in **Subsection 10**, mixing and processing requirements set in **Subsection 9**, pulverization requirements set in **Subsection 7**, depth requirements in **Subsection 17**, and cement tolerances in **Subsection 8**. Cease production after the first load if any of the requirements of the specification are outside of the tolerances and change procedures to contingency plans approved in the QC Plan to continue work. Continue production as normal on the same day when the test strip meets the specification requirements.
  - 5.3.2 The first load applied with the contingency plans will be used as a test strip to evaluate the corrective action plan. Cease production after this initial load of cement if the requirements of this specification are still not being met and submit a revised corrective action plan to the RCE for acceptance prior to continuing work.
  - 5.3.3 If the requirements of this specification are not being met in a section not defined as a test strip (a section is defined as one load of cement) then one additional load of cement will be allowed. Cease production after this additional load of cement if the requirements are still not being met and submit a corrective action plan to the RCE for acceptance prior to continuing work.
- 6.0 **SHOULDERS & ROADWAY PREPARATION**
  - 6.1 Remove all excess vegetation generated from the clipping and cleaning of shoulders from the roadway and any other debris, including Reflective Pavement Markers, prior to performing the mixing operations. Remove material from the shoulders as necessary to ensure proper drainage at all times.
- 7.0 **PULVERIZATION**
  - 7.1 Provide means, methods, and equipment necessary to obtain satisfactory pulverization of the pavement so that at the completion of pulverization and mixing (prior to compactive efforts), a uniform mixture is created in which 100% of the reclaimed material mixture (by weight) passes a 3 inch sieve and 95% of the reclaimed material mixture (by weight) passes a 2 inch sieve. When necessary, SC-T-1 Section 6.6 will be used for sampling to run gradation tests. Rework areas not meeting this gradation control measure as necessary, adhering to the time limitations in **Subsection 11**. The pulverization pass is defined as at least one pass of the mixer prior to the application of cement. Additional passes are allowed. Lightly compact following each pass of the mixer to produce a uniform layer. Carefully control the depth of pulverization and conduct operations in a manner to ensure that the surface of the roadbed below the pulverized material remains undisturbed and conforms to the required cross-section. Means, methods and equipment including but not limited to additional passes of the reclaimer, milling in place or the use of supplementary equipment to achieve pulverization is the responsibility of the contractor and incidental to the process.
  - 7.2 If the requirements of pulverization are not being met in a section not defined as a test strip (a section is defined as one load of cement) then one additional load of cement will be allowed. Cease production after this additional load of cement if the requirements are still not being met and submit a corrective action plan to the RCE for acceptance prior to continuing work.
- 8.0 **APPLICATION OF CEMENT**
  - 8.1 The CSE will determine the rate of cement based on test results supplied in writing by the Contractor. Do not commence construction until an approved rate has been determined by the CSE. Allow two weeks from the date of submittal for the results and selection of appropriate cement

rate. The test results will be conducted according to SC-T-26 by an AASHTO-accredited laboratory with material obtained from the roadway in which construction is to occur. Ensure that the roadway sampling and mix design testing is representative of the entire area and depth to be treated, several samples and/or designs may be necessary.

- 8.2** Spread Portland Cement uniformly on the pulverized material at the rate established by the CSE, taking care to minimize fugitive dust and minimize overlapping of the passes (maximum 6 inches). Apply cement only when the temperature is 40°F in the shade and rising, and no freezing temperatures are predicted for at least 48 hours. Do not perform work on frozen or excessively wet subgrade. A tolerance of 5% (of the rate) is allowed in the spread rate for individual sections (load of cement) of roadway; however, adjustments should be made in order to keep the actual spread rate as close to that established by the CSE. Only apply cement to such an area that all the operations (including final compaction) can be continuous and completed in daylight, unless adequate artificial light is provided. Ensure that all operations (including final compaction) can be completed within 3 hours of application of cement.
- 8.3** Do not allow the percentage of moisture in the reclaimed material mixture at the time of cement application to exceed the quantity that permits uniform and thorough mixture of reclaimed material or that creates instability of the roadway. Do not allow equipment, except that used in spreading and mixing, to pass over the freshly spread cement until it is mixed with the reclaimed material mixture.
- 8.4** If the requirements of cement application are not being met in a section not defined as a test strip (a section is defined as one load of cement) then one additional load of cement will be allowed. Cease production after this additional load of cement if the requirements are still not being met and submit a corrective action plan to the RCE for acceptance prior to continuing work.

## **9.0 MIXING & PROCESSING**

- 9.1** Pulverize material as necessary to meet the requirements given in **Subsection 7**. The pulverization pass is defined as at least one pass of the mixer prior to the application of cement. Lightly compact following each pass of the mixer to produce a uniform layer.
- 9.2** After the cement has been applied per **Subsection 8**, mix and uniformly add necessary moisture to the reclaimed material to ensure that the moisture content is above the optimum value as set in the approved mix design when tested within 30 minutes of final compaction. Mix with at least one pass of the reclaimer after cement application at minimum. Additional passes are allowed, adhering to time limitations set forth within this specification. Ensure full width pulverizing and mixing by overlapping a minimum of 6 inches with each longitudinal pass, including at the longitudinal joint of each lane, and a minimum of 2 feet with each transverse joint. Additional mixing passes may be required in the contract documents. Lightly compact following each pass of the mixer to produce a uniform layer.
- 9.3** Immediately begin final compaction after the mixing process has been completed so that the requirements of **Subsection 10** are met.
- 9.4** Remove excess material generated from the mixing process after final grading operations have been completed.
- 9.5** If the requirements of mixing and processing are not being met in a section not defined as a test strip (a section is defined as one load of cement) then one additional load of cement will be allowed. Cease production after this additional load of cement if the requirements are still not being met and submit a corrective action plan to the RCE for acceptance prior to continuing work.

## **10.0 COMPACTION**

- 10.1** Before beginning compaction, ensure that the mixture is free from excessive fluff and overly compacted areas to allow for uniform compaction of the layer. Continue compaction until the entire depth of the base course mixture is uniformly compacted to not less than 95% of the maximum density. SC-T-23, SC-T-26, SC-T-27, or SC-T-29 will be used at the discretion of the RCE to determine the maximum density of the composite mix. If tests show that 95.0% requirement is not being met, adjust construction operations to obtain the required density. Complete the compaction work within 1 hour of the final mixing pass.

- 10.2** After the mixture is compacted, reshape the surface of the base course as necessary to conform to the required lines, grades, and cross-section. Perform light scarifying to a depth which removes the sheepsfoot imprints at minimum. Continue as required to obtain a uniform surface and to prevent scaling and delamination.
- 10.3** Perform compacting and finishing in a manner that produces a smooth, closely knit surface, free from equipment imprints, cracks, ridges, or loose material. Maintain the moisture content of the mixture and surface above optimum moisture as determined by the pre-approved mix design, to the time of final curing coat being applied. The moisture content and density requirements for compaction will be tested for acceptance within 30 minutes of final compaction. Additional moisture contents tests will be randomly performed for acceptance through the curing application to ensure that the surface moisture is maintained above optimum moisture.
- 10.4** If the requirements of compaction are not being met in a section not defined as a test strip (a section is defined as one load of cement) then one additional load of cement will be allowed. Cease production after this additional load of cement if the requirements are still not being met and submit a corrective action plan to the RCE for acceptance prior to continuing work.

#### **11.0 CONSTRUCTION LIMITATIONS**

- 11.1** Perform work in daylight hours unless adequate artificial light is provided. Limit the area over which the cement-pavement mixture is spread so that all operations specified in **Subsections 7, 8, 9, 10 and 13** are performed continuously until completion of a section (load of cement). Complete all grading and compaction work on a section (load of cement) within 2 hours after the initial mixing pass of the reclaimer unless the RCE approves a longer period.
- 11.2** If operations are interrupted for a continuous period of greater than 1 hour after the cement has been mixed with the reclaimed material, reconstruct the entire affected section (area of interruption) in accordance with these specifications. When the un-compacted reclaimed material mixture and cement is wetted so that the moisture content exceeds that specified, manipulate and aerate the mixture to reduce the moisture to the specified content provided the base course is completed within the time limits of these specifications.
- 11.3** Begin subsequent lifts of asphalt or chip seals which cover the Cement Modified Recycled Base curing methods and act as a final riding surface within 7 calendar days of completion of the CMRB section unless the RCE approves a longer period. Begin these subsequent lifts so that no more than 4 miles have temporary surface treatment on them at any time. A section is defined as the contract section of roadway receiving CMRB treatment. When using Curing Methods B or C, ensure that a milled surface is not left open to the public for more than 72 hours.

#### **12.0 WEATHER LIMITATIONS**

- 12.1** Apply cement only when the temperature is 40°F in the shade and rising, and no freezing temperatures are predicted for at least 48 hours. Do not perform work on frozen or excessively wet subgrade. The temperature restrictions for single treatment, when used as a curing option, shall meet the requirements of this reclamation specification. If the successive course is a final riding course, the seasonal restrictions of December, January and February apply unless otherwise approved by the DOC.

#### **13.0 CURING**

- 13.1** After the Cement Modified Recycled Base has been finished as specified, cure the surface using the specified method in the plans or contract. Dampen and sweep the CMRB immediately prior to the application of the surfacetreatment.

*Curing Method A: Surface (Single) Treatment*

*Curing Method B: Surface (Single) Treatment with Milling Curing*

*Method C: Surface (Double) Treatment with Milling*

- 13.2** After the Cement Modified Recycled Base has been finished as specified, protect the base from rapid drying and traffic by placing Asphalt Surface Treatment as specified in **Section 406 or 407**, with the exception that lightweight aggregate is not required and CRS-2 may be used in place of CRS-2P. Perform this operation daily to protect the newly constructed Cement Modified Recycled Base, unless otherwise directed by the RCE.

**13.3** Prior to placement of the HMA course in Methods B & C, mill the Cement Modified Recycled Base course surface to obtain a true and level finish for the asphalt placement. Ensure that a diamond milling pattern with a double or triple strike is clearly visible in the finished surface. Consider the final thickness during construction, leaving the specified depth of treatment after the milling has occurred. Ensure that the surface is left in a condition ready for paving, free from scabbing, scaling and other defects. Ensure that any structure lost to additional, deeper milling to remove these defects is replaced with asphalt. Include this cost in the Cement Modified Recycled Base price.

**14.0 CONSTRUCTION JOINTS**

**14.1** At the end of each day's construction, form a straight construction joint as specified in **Subsection 301.4.9**.

**15.0 SURFACE SMOOTHNESS**

**15.1** Ensure that the finished surface of the recycled base meets the requirements of **Subsection 301.4.10**. The grade of the road will be based on existing conditions of the roadway. Grade the cross slope to obtain positive drainage as well as smooth transitions from crown to super-elevated sections of the roadway, re-grade roads with a pre-existing cross slope of 2% or greater to the same cross slope. On roads with a pre-existing cross slope of less than 2%, the Contractor and RCE will determine the measures required to obtain positive drainage and the final cross slope.

**16.0 RIDEABILITY**

**16.1** Ensure that the final asphalt surface placed on Cement Modified Recycled Base course meets the Rideability requirements of SC-M-403 for either New Construction or Resurfacing, whichever is applicable based on the specified pavement structure.

**17.0 THICKNESS TOLERANCE**

**17.1** The thickness of the completed Cement Modified Recycled Base will be measured at random intervals not to exceed 1,000 feet in length. The average job thickness will be measured daily using the average value of all measurements taken by the inspector each day. Where the measured thickness is more than 1 inch greater than the specified thickness, the thickness of that location will be considered the specified thickness plus 1 inch. If the average job thickness varies from the specified job thickness by more than ½ inch, an adjusted unit price is used for calculating payment. The pay factor will be calculated as below and applied;

$$\text{Pay Factor} = 1 - \frac{|\text{Average Job Thickness} - \text{Specified Job Thickness}|}{\text{Specified Job Thickness}}$$

$$\text{Adjusted Contract Unit Price} = \text{Pay Factor} * \text{Contract Unit Price}$$

**17.2** If the requirements of thickness (any single test value greater than 1 inch different from the specified depth) are not being met in a section not defined as a test strip (a section is defined as one load of cement) then one additional load of cement will be allowed. Cease production after this additional load of cement if the requirements are still not being met and submit a corrective action plan to the RCE for acceptance prior to continuing work.

**18.0 OPENING TO TRAFFIC**

**18.1** Local traffic may use completed portions of the Cement Modified Recycled Base provided the base has hardened sufficiently to prevent marring, damaging or visible rutting of the surface by such usage. Ensure that no damage occurs to the curing coat. With approval of the District Office, temporary detours may be utilized during the reclamation process to reduce the traffic on the reclaimed roadway. Use the subgrade shoulders or completed pavement, when available, for transporting materials, workers, and equipment throughout the project. Do not place construction equipment on the base without the approval of the RCE unless it is being used in the subsequent construction operation.

**19.0 MAINTENANCE**

**19.1** Maintain the Cement Modified Recycled Base in accordance with **Subsection 301.4.13**.

**20.0 MEASUREMENT**

- 20.1** The quantity for the pay item Cement Modified Recycled Base (of the uniform thickness required) is the surface area of a uniform base constructed by applying and mixing cement with the subgrade as specified and is measured by the square yard (SY) of the modified base in-place, complete and accepted. Cement Modified Recycled Base constructed outside the designated area is not measured for payment.
- 20.2** The quantity for the pay item Portland Cement for Cement Modified Recycled Base is the weight of cement incorporated into the base at the rate established by the CSE and is measured by the ton (TON), complete and accepted. Portland cement incorporated in excess of 5% of the amount established by the CSE is not included in the measurement. Furnish the RCE with invoices of all cement received to verify weight.

**21.0 PAYMENT**

- 21.1** Payment for the accepted quantity of Cement Modified Recycled Base (of the uniform required thickness) or Portland Cement for Cement Modified Recycled Base, measured in accordance with **Subsection 20** is determined using the contract unit bid price for the applicable item.
- 21.2** Payment for Cement Modified Recycled Base (of the uniform required thickness) is full compensation for constructing the Cement Modified Recycled Base course as specified or directed and includes pulverizing and scarifying the existing pavement, applying and spreading cement, processing and mixing base course material, watering and maintaining proper moisture content, compacting, finishing, curing, hauling and disposing of excess shoulder material and curing base course, forming construction joints, and all other materials, labor, equipment, tools, transportation, and incidentals necessary to complete the work in accordance with the Plans, the Specifications, and other terms of the Contract.
- 21.3** Base course that is deficient in thickness is paid for at the adjusted unit price specified in **Subsection 20**.
- 21.4** Payment for Portland Cement for Cement Modified Recycled Base is full compensation for furnishing and weighing the cement as specified or directed and includes all other materials, labor, equipment, tools, supplies, transportation, and incidentals necessary to complete the work in accordance with the Plans, the Specifications, and other terms of the Contract.
- 21.5** Payment for excess reclaimed material generated from the roadway (excluding shoulder material) is paid for as unclassified excavation.
- 21.6** Payment for each item includes all direct and indirect costs or expenses required to complete the work.
- 21.7** Pay items under this section include the following:

Item No.	Pay Item	Unit
3063306	Cement Modified Recycled Base (6" Uniform)	SY
3063308	Cement Modified Recycled Base (8" Uniform)	SY
3063310	Cement Modified Recycled Base (10" Uniform)	SY
3063312	Cement Modified Recycled Base (12" Uniform)	SY
3064000	Portland Cement for Cement Modified Recycled Base	TON

**Rubber Tire rollers will be required on the base and single treatment**



## SECTION VIII: PROJECT INFORMATION

## PROJECT ESTIMATED QUANTITIES

## ESTIMATED QUANTITIES OVERALL

ITEM #	DESCRIPTION	UNIT	QUANTITY
1	Bonds and Insurance	LS	1
2	Mobilization	EA	12
3	Traffic Control	EA	12
4	Station Grading	STA	10
5	Cement Modified Recycled Base (8" Uniform) Method A	SY	31577
6	Portland Cement for Cement Modified Recycled Base (60 LBS/SY)	TON	950
7	Maintenance Stone	TON	185
8	HMA Surface Course Type C (Liquid Included) 2" Uniform	SY	75551
9	Permanent Vegetation	ACRE	10.98
10	Permanent Construction Signs (Ground Mounted) Schedule E	SF	1080
11	Permanent Construction Signs (Ground Mounted) Schedule C	SF	228
12	Loose Stone/25MPH	SF	110.5
13	18" RCP	LF	32
14	24" RCP	LF	32
15	Street Sign	EA	27
16	24" White Solid Lines (Stop) FDP	LF	302
17	24" White Solid Lines (Stop) Thermoplastic-125 Mil	LF	302
18	Riprap	TON	40
19	57 Stone	TON	20
20	Patch Over Pipe Cut (Remove Exist Stone & Replace with 2" HMA)	SY	496
21	HMA Full Depth Patching	SY	3850
22	Stop Signs	EA	27

## ESTIMATED QUANTITIES BY ROAD

**Road Name:** Ballindam Road  
**Start:** Pall Mall  
**Stop:** Cul-de-Sac  
**Road Length in feet:** 1233  
**Width in feet:** 20  
**Miles:** 0.23  
**Drives:** 9

ITEM #	DESCRIPTION	UNIT	QUANTITY
5	Cement Modified Recycled Base (8" Uniform) Method A	SY	3077
6	Portland Cement for Cement Modified Recycled Base (60 LBS/SY)	TON	93
7	Maintenance Stone	TON	5
8	HMA Surface Course Type C (Liquid Included) 2" Uniform	SY	3340
9	Permanent Vegetation	ACRE	0.4
15	Street Sign	EA	1
16	24" White Solid Lines (Stop) FDP	LF	10
17	24" White Solid Lines (Stop) Thermoplastic-125 Mil	LF	10
22	Stop Signs	EA	1

**Road Name:** Beacham Street (County Portion)  
**Start:** West White Street  
**Stop:** Devine Street  
**Road Length in feet:** 657  
**Width in feet:** 14  
**Miles:** 0.12  
**Drives:** 9

ITEM #	DESCRIPTION	UNIT	QUANTITY
2	Mobilization	LS	1
3	Traffic Control	LS	1
5	Cement Modified Recycled Base (8" Uniform) method A	SY	1095
6	Portland Cement for Cement Modified Recycled Base (60 LBS/SY)	TON	33
7	Maintenance Stone	TON	10
8	HMA Surface Course Type C (Liquid Included) 2" Uniform	SY	1422
9	Permanent Vegetation	ACRE	0.18
10	Permanent Construction Signs (Ground Mounted) Schedule E	SF	120
11	Permanent Construction Signs (Ground Mounted) Schedule C	SF	76
12	Loose Stone/25MPH	SF	17
15	Street Sign	EA	5
16	24" White Solid Lines (Stop) FDP	LF	80
17	24" White Solid Lines (Stop) Thermoplastic-125 Mil	LF	80
22	Stop Signs	EA	1

**Road Name:** Bennett Road  
**Start:** Pinecrest Avenue  
**Stop:** Chester Avenue  
**Road Length in feet:** 910  
**Width in feet:** 24  
**Miles:** 0.17  
**Drives:** 0

ITEM #	DESCRIPTION	UNIT	QUANTITY
2	Mobilization	LS	1
3	Traffic Control	LS	1
5	Cement Modified Recycled Base (8" Uniform) method A	SY	2527
6	Portland Cement for Cement Modified Recycled Base (60 LBS/SY)	TON	76
7	Maintenance Stone	TON	10
8	HMA Surface Course Type C (Liquid Included) 2" Uniform	SY	2640
9	Permanent Vegetation	ACRE	0.25
10	Permanent Construction Signs (Ground Mounted) Schedule E	SF	96
12	Loose Stone/25MPH	SF	17
15	Street Sign	EA	2
16	24" White Solid Lines (Stop) FDP	LF	12
17	24" White Solid Lines (Stop) Thermoplastic-125 Mil	LF	12
22	Stop Signs	EA	1

**Road Name:** Cleveland Street  
**Start:** Patch Over Existing Pipe  
**Stop:**  
**Road Length in feet:**  
**Width in feet:**  
**Miles:**  
**Drives:**

ITEM #	DESCRIPTION	UNIT	QUANTITY
10	Permanent Construction Signs (Ground Mounted) Schedule E	SF	48
20	Patch Over Pipe Cut (Remove Exist Stone & Replace With 2" HMA)	SY	100

**Road Name:** Connor Road (County Portion)  
**Start:** Armenia Road  
**Stop:** Begin State Maintenance  
**Road Length in feet:** 9610  
**Width in feet:** 18  
**Miles:** 1.82  
**Drives:** 24

ITEM #	DESCRIPTION	UNIT	QUANTITY
2	Mobilization	LS	1
3	Traffic Control	LS	1
5	Cement Modified Recycled Base (8" Uniform) Method A	SY	20287
6	Portland Cement for Cement Modified Recycled Base (60 LBS/SY)	TON	609
7	Maintenance Stone	TON	20
8	HMA Surface Course Type C (Liquid Included) 2" Uniform	SY	20220
9	Permanent Vegetation	ACRE	2.5
10	Permanent Construction Signs (Ground Mounted) Schedule E	SF	96
11	Permanent Construction Signs (Ground Mounted) Schedule C	SF	76
12	Loose Stone/25MPH	SF	34
15	Street Sign	EA	4
16	24" White Solid Lines (Stop) FDP	LF	40
17	24" White Solid Lines (Stop) Thermoplastic-125 Mil	LF	40
22	Stop Signs	EA	1

**Road Name:** Cripple Creek Road  
**Start:** Great Falls Highway  
**Stop:** Gate  
**Road Length in feet:** 719  
**Width in feet:** 16  
**Miles:** 0.14  
**Drives:** 5

ITEM #	DESCRIPTION	UNIT	QUANTITY
2	Mobilization	LS	1
3	Traffic Control	LS	1
5	Cement Modified Recycled Base (8" Uniform) Method A	SY	1358
6	Portland Cement for Cement Modified Recycled Base (60 LBS/SY)	TON	41
7	Maintenance Stone	TON	10
8	HMA Surface Course Type C (Liquid Included) 2" Uniform	SY	1425
9	Permanent Vegetation	ACRE	0.2
10	Permanent Construction Signs (Ground Mounted) Schedule E	SF	48
12	Loose Stone/25MPH	SF	8.5
15	Street Sign	EA	1
16	24" White Solid Lines (Stop) FDP	LF	10
17	24" White Solid Lines (Stop) Thermoplastic-125 Mil	LF	10
22	Stop Signs	EA	1

**Road Name:** Gaines Street  
**Start:** Chester Avenue  
**Stop:** Cul-de-Sac  
**Road Length in feet:** 344  
**Width in feet:** 14  
**Miles:** 0.06  
**Drives:** 3

ITEM #	DESCRIPTION	UNIT	QUANTITY
2	Mobilization	LS	1
3	Traffic Control	LS	1
5	Cement Modified Recycled Base (8" Uniform) Method A	SY	773
6	Portland Cement for Cement Modified Recycled Base (60 LBS/SY)	TON	24
7	Maintenance Stone	TON	5
8	HMA Surface Course Type C (Liquid Included) 2" Uniform	SY	935
9	Permanent Vegetation	ACRE	0.1
10	Permanent Construction Signs (Ground Mounted) Schedule E	SF	48
12	Loose Stone/25MPH	SF	8.5
15	Street Sign	EA	1
16	24" White Solid Lines (Stop) FDP	LF	10
17	24" White Solid Lines (Stop) Thermoplastic-125 Mil	LF	10
22	Stop Signs	EA	1

**Road Name:** Hopps Road  
**Start:** Armory Road  
**Stop:** Cul-de-Sac  
**Road Length in feet:** 4946  
**Width in feet:** 18  
**Miles:** 0.94  
**Drives:** 23

ITEM #	DESCRIPTION	UNIT	QUANTITY
2	Mobilization	LS	1
3	Traffic Control	LS	1
7	Maintenance Stone	TON	25
8	HMA Surface Course Type C (Liquid Included) 2" Uniform	SY	10650
9	Permanent Vegetation	ACRE	1.3
10	Permanent Construction Signs (Ground Mounted) Schedule E	SF	48
15	Street Sign	EA	1
16	24" White Solid Lines (Stop) FDP	LF	20
17	24" White Solid Lines (Stop) Thermoplastic-125 Mil	LF	20
21	HMA Full Depth Patching	SY	400
22	Stop Signs	EA	1

**Road Name:** Kennington Street  
**Start:** Edwards Road  
**Stop:** Dead End  
**Road Length in feet:** 1281  
**Width in feet:** 16  
**Miles:** 0.25  
**Drives:** 9

ITEM #	DESCRIPTION	UNIT	QUANTITY
2	Mobilization	LS	1
3	Traffic Control	LS	1
7	Maintenance Stone	TON	5
8	HMA Surface Course Type C (Liquid Included) 2" Uniform	SY	2675
9	Permanent Vegetation	ACRE	0.35
10	Permanent Construction Signs (Ground Mounted) Schedule E	SF	48
15	Street Sign	EA	1
16	24" White Solid Lines (Stop) FDP	LF	10
17	24" White Solid Lines (Stop) Thermoplastic-125 Mil	LF	10
21	HMA Full Depth Patching	SY	350
22	Stop Signs	EA	1

**Road Name:** Knollwood Drive  
**Start:** Corbet Road  
**Stop:** Cul-de-Sac  
**Road Length in feet:** 1412  
**Width in feet:** 18  
**Miles:** 0.27  
**Drives:** 7

ITEM #	DESCRIPTION	UNIT	QUANTITY
8	HMA Surface Course Type C (Liquid Included) 2" Uniform	SY	3520
9	Permanent Vegetation	ACRE	0.35
10	Permanent Construction Signs (Ground Mounted) Schedule E	SF	48
15	Street Sign	EA	1
16	24" White Solid Lines (Stop) FDP	LF	10
17	24" White Solid Lines (Stop) Thermoplastic-125 Mil	LF	10
21	HMA Full Depth Patching	SY	600
22	Stop Signs	EA	1



**Road Name:** Lanksford Road  
**Start:** Knollwood Road  
**Stop:** Poverty Hollow Road  
**Road Length in feet:** 1736  
**Width in feet:** 16  
**Miles:** 0.33  
**Drives:** 9

ITEM #	DESCRIPTION	UNIT	QUANTITY
2	Mobilization	EA	1
3	Traffic Control	EA	1
7	Maintenance Stone	TON	10
8	HMA Surface Course Type C (Liquid Included) 2" Uniform	SY	3874
9	Permanent Vegetation	ACRE	0.5
10	Permanent Construction Signs (Ground Mounted) Schedule E	SF	96
15	Street Sign	EA	2
16	24" White Solid Lines (Stop) FDP	LF	10
17	24" White Solid Lines (Stop) Thermoplastic-125 Mil	LF	10
22	Stop Signs	EA	1

**Road Name:** Lockshire Street  
**Start:** JA Cochran Bypass  
**Stop:** Washington Street  
**Road Length in feet:** 659  
**Width in feet:** 12  
**Miles:** 0.13  
**Drives:** 7

ITEM #	DESCRIPTION	UNIT	QUANTITY
2	Mobilization	LS	1
3	Traffic Control	LS	1
8	HMA Surface Course Type C (Liquid Included) 2" Uniform	SY	1096
10	Permanent Construction Signs (Ground Mounted) Schedule E	SF	96
15	Street Sign	EA	1
16	24" White Solid Lines (Stop) FDP	LF	20
17	24" White Solid Lines (Stop) Thermoplastic-125 Mil	LF	20
21	HMA Full Depth Patching	SY	250
22	Stop Signs	EA	1

**Road Name:** Orrs Station Road  
**Start:** End State Maintenance  
**Stop:** Dead End  
**Road Length in feet:** 3900  
**Width in feet:** 15  
**Miles:** 0.74  
**Drives:** 22

ITEM #	DESCRIPTION	UNIT	QUANTITY
2	Mobilization	LS	1
3	Traffic Control	LS	1
7	Maintenance Stone	TON	10
8	HMA Surface Course Type C (Liquid Included) 2" Uniform	SY	7300
9	Permanent Vegetation	ACRE	1
11	Permanent Construction Signs (Ground Mounted) Schedule C	SF	76
21	HMA Full Depth Patching	SY	600

**Road Name:** Pallmall Road  
**Start:** Orrs Station Road  
**Stop:** Cul-de-Sac  
**Road Length in feet:** 562  
**Width in feet:** 20  
**Miles:** 0.11  
**Drives:** 3

ITEM #	DESCRIPTION	UNIT	QUANTITY
5	Cement Modified Recycled Base (8" Uniform) Method A	SY	1511
6	Portland Cement for Cement Modified Recycled Base (60 LBS/SY)	TON	45
7	Maintenance Stone	TON	5
8	HMA Surface Course Type C (Liquid Included) 2" Uniform	SY	1648
9	Permanent Vegetation	ACRE	0.15
12	Loose Stone/25MPH	SF	8.5
15	Street Sign	EA	1
16	24" White Solid Lines (Stop) FDP	LF	10
17	24" White Solid Lines (Stop) Thermoplastic-125 Mil	LF	10
22	Stop Signs	EA	1

**Road Name:** Quail Hollow Circle (County Portion)  
**Start:** Patch Over Existing Pipe  
**Stop:**  
**Road Length in feet:**  
**Width in feet:**  
**Miles:**  
**Drives:**

ITEM #	DESCRIPTION	UNIT	QUANTITY
10	Permanent Construction Signs (Ground Mounted) Schedule E	SF	48
20	Patch Over Pipe Cut (Remove Exist Stone & Replace With 2" HMA)	SY	211

**Road Name:** Rice Street  
**Start:** Wylie Street  
**Stop:** Jeter Street  
**Road Length in feet:** 657  
**Width in feet:** 12  
**Miles:** 0.12  
**Drives:** 9

ITEM #	DESCRIPTION	UNIT	QUANTITY
2	Mobilization	LS	1
3	Traffic Control	LS	1
5	Cement Modified Recycled Base (8" Uniform) Method A	SY	949
6	Portland Cement for Cement Modified Recycled Base (60 LBS/SY)	TON	29
7	Maintenance Stone	TON	5
8	HMA Surface Course Type C (Liquid Included) 2" Uniform	SY	1176
9	Permanent Vegetation	ACRE	0.17
10	Permanent Construction Signs (Ground Mounted) Schedule E	SF	96
12	Loose Stone/25MPH	SF	17
15	Street Sign	EA	2
16	24" White Solid Lines (Stop) FDP	LF	14
17	24" White Solid Lines (Stop) Thermoplastic-125 Mil	LF	14
22	Stop Signs	EA	1

**Road Name:** Rippling Brook Drive  
**Start:** Armory Road  
**Stop:** Cul-de-Sac  
**Road Length in feet:** 3117  
**Width in feet:** 18  
**Miles:** 0.59  
**Drives:** 17

ITEM #	DESCRIPTION	UNIT	QUANTITY
2	Mobilization	LS	1
3	Traffic Control	LS	1
8	HMA Surface Course Type C (Liquid Included) 2" Uniform	SY	6985
9	Permanent Vegetation	ACRE	0.8
10	Permanent Construction Signs (Ground Mounted) Schedule E	SF	48
15	Street Sign	EA	1
16	24" White Solid Lines (Stop) FDP	LF	10
17	24" White Solid Lines (Stop) Thermoplastic-125 Mil	LF	10
21	HMA Full Depth Patching	SY	800
22	Stop Signs	EA	1

**Road Name:** Rocky Creek Road  
**Start:** Pipe Replacement  
**Stop:**  
**Road Length in feet:**  
**Width in feet:**  
**Miles:**  
**Drives:**

ITEM #	DESCRIPTION	UNIT	QUANTITY
7	Maintenance Stone	TON	30
10	Permanent Construction Signs (Ground Mounted) Schedule E	SF	48
13	18" RCP	LF	32
18	Riprap	TON	20
19	57 Stone	TON	10
20	Patch Over Pipe Cut (Remove Exist Stone & Replace With 2" HMA)	SY	100

**Road Name:** Shoreview Drive  
**Start:** Hopps Road  
**Stop:** Dead End  
**Road Length in feet:** 782  
**Width in feet:** 16-18  
**Miles:** 0.05  
**Drives:** 5

ITEM #	DESCRIPTION	UNIT	QUANTITY
7	Maintenance Stone	TON	10
8	HMA Surface Course Type C (Liquid Included) 2" Uniform	SY	1777
9	Permanent Vegetation	ACRE	2
15	Street Sign	EA	1
16	24" White Solid Lines (Stop) FDP	LF	20
17	24" White Solid Lines (Stop) Thermoplastic-125 Mil	LF	20
21	HMA Full Depth Patching	SY	350
22	Stop Signs	EA	1

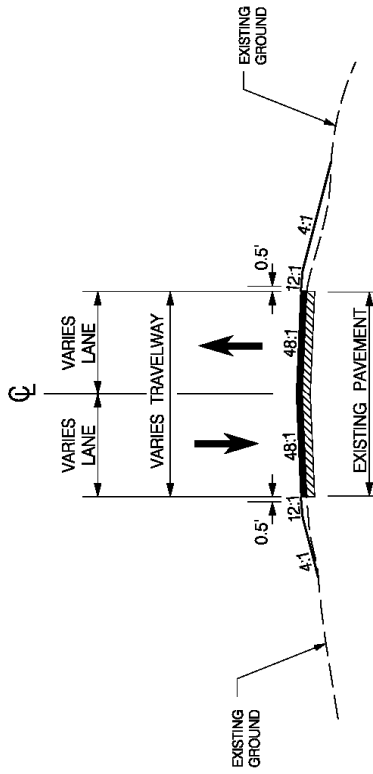
**Road Name:** Stephenson Road  
**Start:** Pipe Replacement  
**Stop:**  
**Road Length in feet:**  
**Width in feet:**  
**Miles:**  
**Drives:**

ITEM #	DESCRIPTION	UNIT	QUANTITY
7	Maintenance Stone	TON	30
10	Permanent Construction Signs (Ground Mounted) Schedule E	SF	48
14	24" RCP	LF	32
18	Riprap	TON	20
19	57 Stone	TON	10
20	Patch Over Pipe Cut (Remove Exist Stone & Replace With 2" HMA)	SY	85

<b>Road Name:</b>	<b>Sunshine Lane</b>
<b>Start:</b>	<b>Orrs Station Road</b>
<b>Stop:</b>	<b>Dead End</b>
<b>Road Length in feet:</b>	<b>3208</b>
<b>Width in feet:</b>	<b>14</b>
<b>Miles:</b>	<b>0.61</b>
<b>Drives:</b>	<b>7</b>

ITEM #	DESCRIPTION	UNIT	QUANTITY
8	HMA Surface Course Type C (Liquid Included) 2" Uniform	SY	5256
9	Permanent Vegetation	ACRE	0.8
15	Street Sign	EA	1
16	24" White Solid Lines (Stop) FDP	LF	10
17	24" White Solid Lines (Stop) Thermoplastic-125 Mil	LF	10
21	HMA Full Depth Patching	SY	500
22	Stop Signs	EA	1

## PROJECT TYPICAL SECTIONS



**TYPICAL CROSS SECTION**  
 CONNER ROAD  
 GAINES STREET  
 BENNETT ROAD  
 CRIPPLE CREEK DRIVE  
 RICE STREET  
 BALLINDAM ROAD  
 PALLMALL ROAD  
 BEACHAM STREET

**LEGEND**

- 2" - HOT MIX ASPHALT SURFACE COURSE TYPE C
- ▨ 8" CEMENT MODIFIED RECYCLED BASE CURING METHOD A

N.T.S.

**GENERAL NOTES FOR TYPICAL CROSS SECTION:**

- 1) CONTRACTOR TO CONTACT ALL UTILITY COMPANIES BEFORE ANY WORK COMMENCES. VERIFY UTILITIES WITHIN PROJECT AREA.
- 2) ALL WORK SHALL CONFORM WITH APPLICABLE SCDOT REQUIREMENTS AND CODES.
- 3) TEMPORARY CONTROL OF STORM WATER DRAINAGE SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR, AND SHALL BE MAINTAINED THROUGHOUT THE PERIOD OF CONSTRUCTION.
- 4) WHERE EXISTING PAVEMENT IS SHOWN TO BE MATCHED, EDGE OR CONTACT FACE WITH EXISTING PAVEMENT SHALL BE SAW CUT TO A REAL VERTICAL LINE.
- 5) ADJUSTMENT, RELOCATION, OR REPLACEMENT OF EXISTING TELEPHONE, ELECTRIC, TELEVISION, AND OTHER PRIVATE UTILITIES SHALL BE COMPLETED IN CONJUNCTION WITH THE TIME FRAME OF THE CONTRACT SCHEDULE. THIS WORK SHALL BE COORDINATED BY THE CONTRACTOR.
- 6) ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD DRAWINGS AND MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, EDITION 2009.

22-54.03

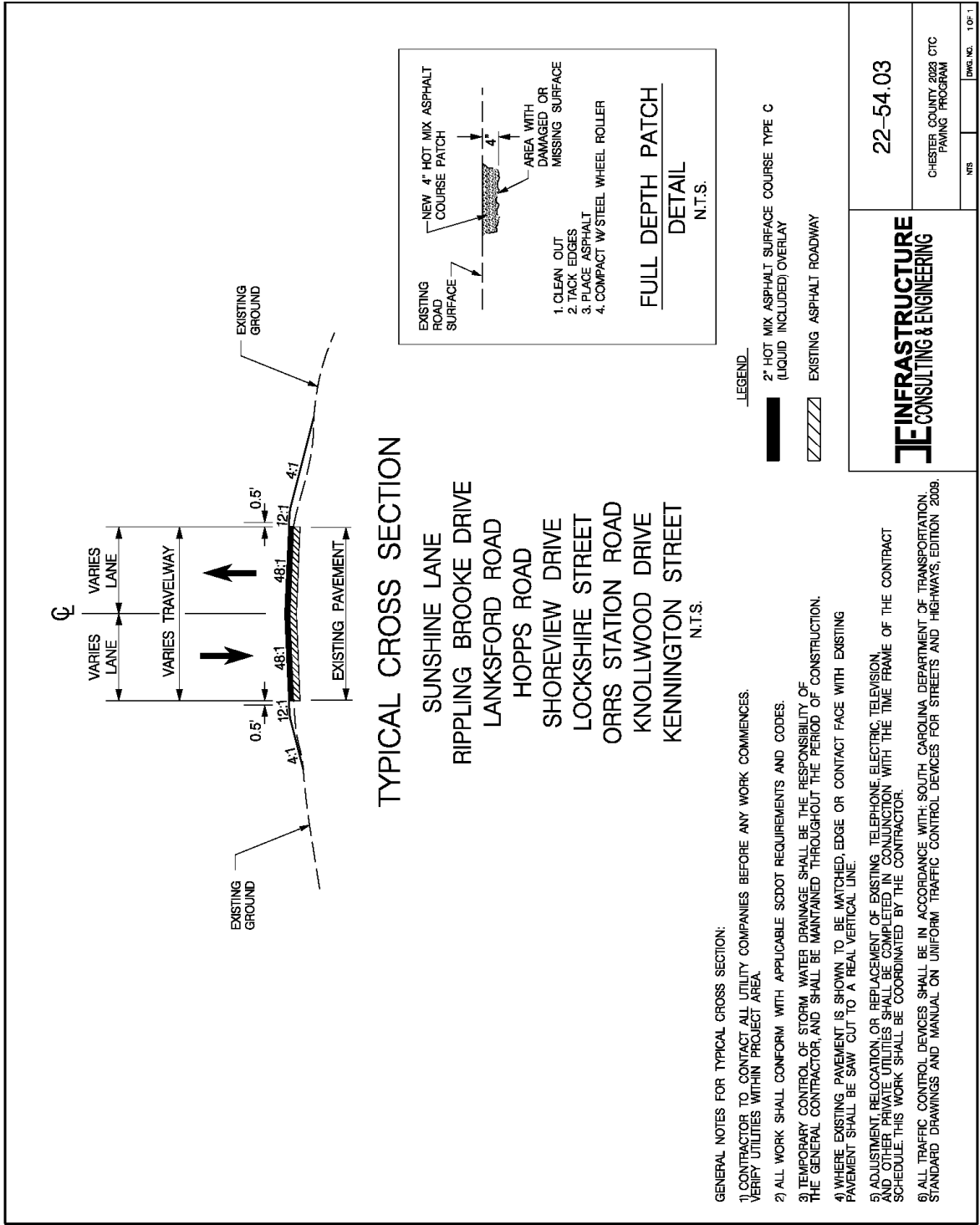
**INFRASTRUCTURE**  
 CONSULTING & ENGINEERING

CHESTER COUNTY 2023 CTC  
 PAVING PROGRAM

NTS      DWS. NO.      1 OF 1

Z:\Projects\* \22-54.03 Chester County Road Paving 2023 \TYPICALS\_22-54\_03\_Chester County.DGN





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		22-54.03	
		CHESTER COUNTY 2023 CTC PAVING PROGRAM	
NTS		DWG. NO. 1 OF 1	

# STREET SIGN SCHEDULE

Sunshine Lane ***	Orrs Station Road ***
Ballindam Road***	Pall Mall Road ***
Kennington Street ***	Edwards Road
Rice Street ***	Wylie Street
Rice Street ***	Jeter Street
Lockshire Street ***	J A Cochran Bypass
Shoreview Drive ***	Hopps Road***
Hopps Road ***	Armory Road
Lanksford Road ***	Shirley Road
Lanksford Road ***	Knollwood Drive ***
Lanksford Road ***	Poverty Hollow Road ***
Cripple Creek Road ***	Great Falls Highway
Bennett Road ***	Chester Avenue
Bennett Road ***	Pinecrest Avenue
Gaines Street ***	Chester Avenue
Connor Road ***	Goldmine Road ***
Connor Road ***	Armenia Road
Connor Road ***	Madison Road ***
Connor Road ***	Rebel Creek Road ***
Knollwood Drive ***	Corbet Road S-425
Pall Mall Road ***	Orrs Station Road ***
Beacham Street ***	West White Street
Beacham Street ***	Devine Street
Beacham Street ***	Sweeney Street
Beacham Street ***	Beachman Street 2 ***
Rippling Brooke Drive ***	Armory Road

\*\*\* Blue Background

It will be the contractor's responsibility to verify street names, spelling, proper intersection names, and locations.

All signs will be installed on 14 gauge, 2" square galvanized posts, breakaway supports, per SCDOT Standard Drawings. All signs will meet SCDOT Specifications.

Note E: Street signs will be white on green, 6 inches high, 4" white HIP letters, .080 aluminum, double-faced, 30" to 42" in length depending on street name. Pay item for street sign includes furnishing and installing posts, which will contain two (2) signs with names of intersecting roads and removal of existing street sign.

**EXAMPLE**



## PAVEMENT STRIPING DETAILS

***All roads or intersections that have stop signs  
or should have stop signs  
get a 24" (FDP and Thermoplastic) Stop Bar  
as per SCDOT SPECIFICATIONS***

## **PROJECT STANDARD DRAWINGS**

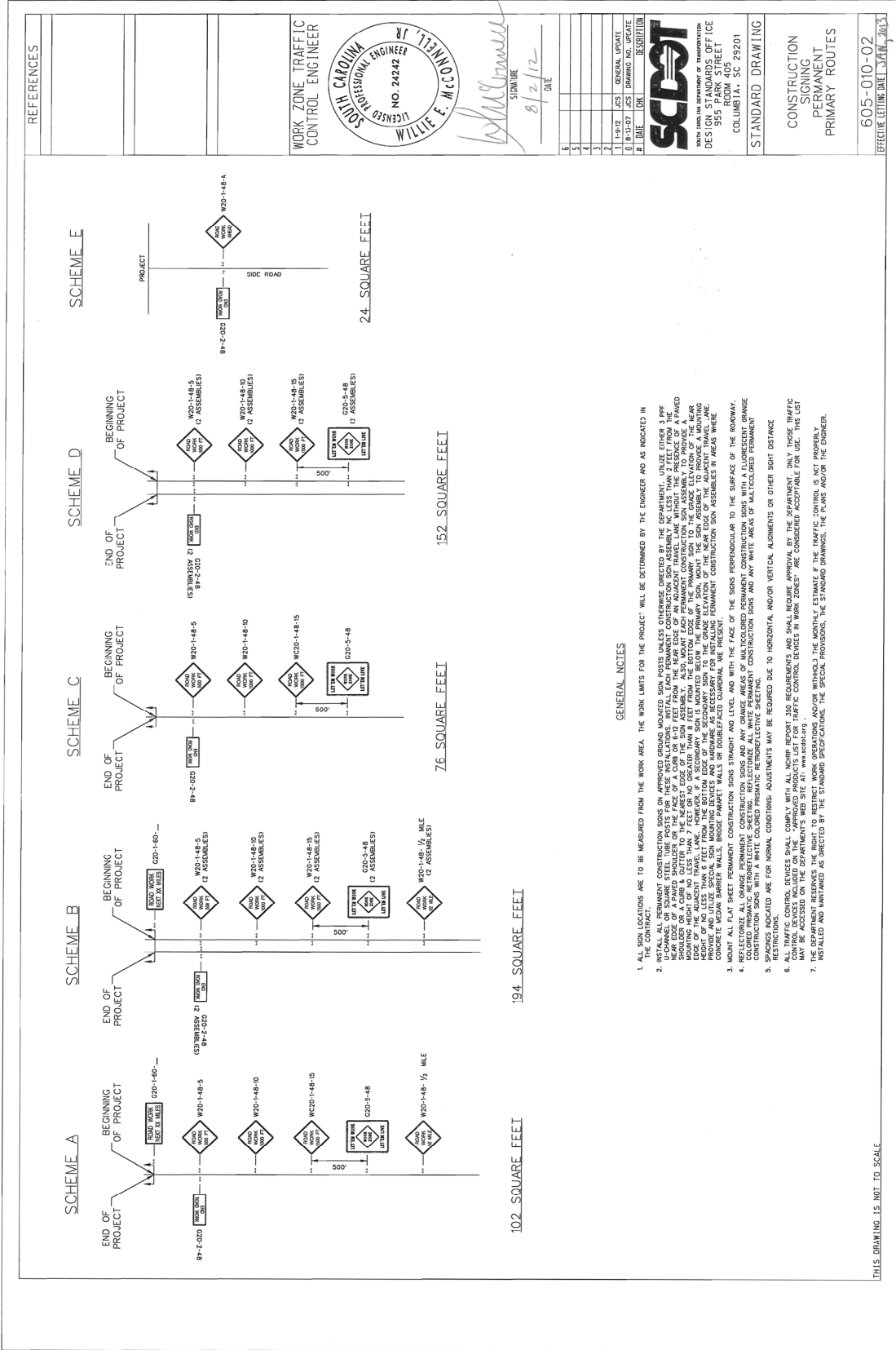
Standard Drawings Attached for Reference:

605-010-02 (Scheme E)

610-005-00 (Flagging Operations)

630-105-00 (Pavement Marking Typical & Raised Marker Placement & Detail)

651-110-00 (Flat Sheet Mounting Details)



WORK ZONE TRAFFIC CONTROL ENGINEER



SIGNATURE: [Signature] DATE: 8/2/12

#	DATE	BY	DESCRIPTION
1	1-19-12	JCS	GENERAL UPDATE
2	8-15-12	JCS	DRAWING NO. UPDATE
3			
4			
5			
6			



STANDARD DRAWING CONSTRUCTION SIGNING PERMIT PRIMARY ROUTES

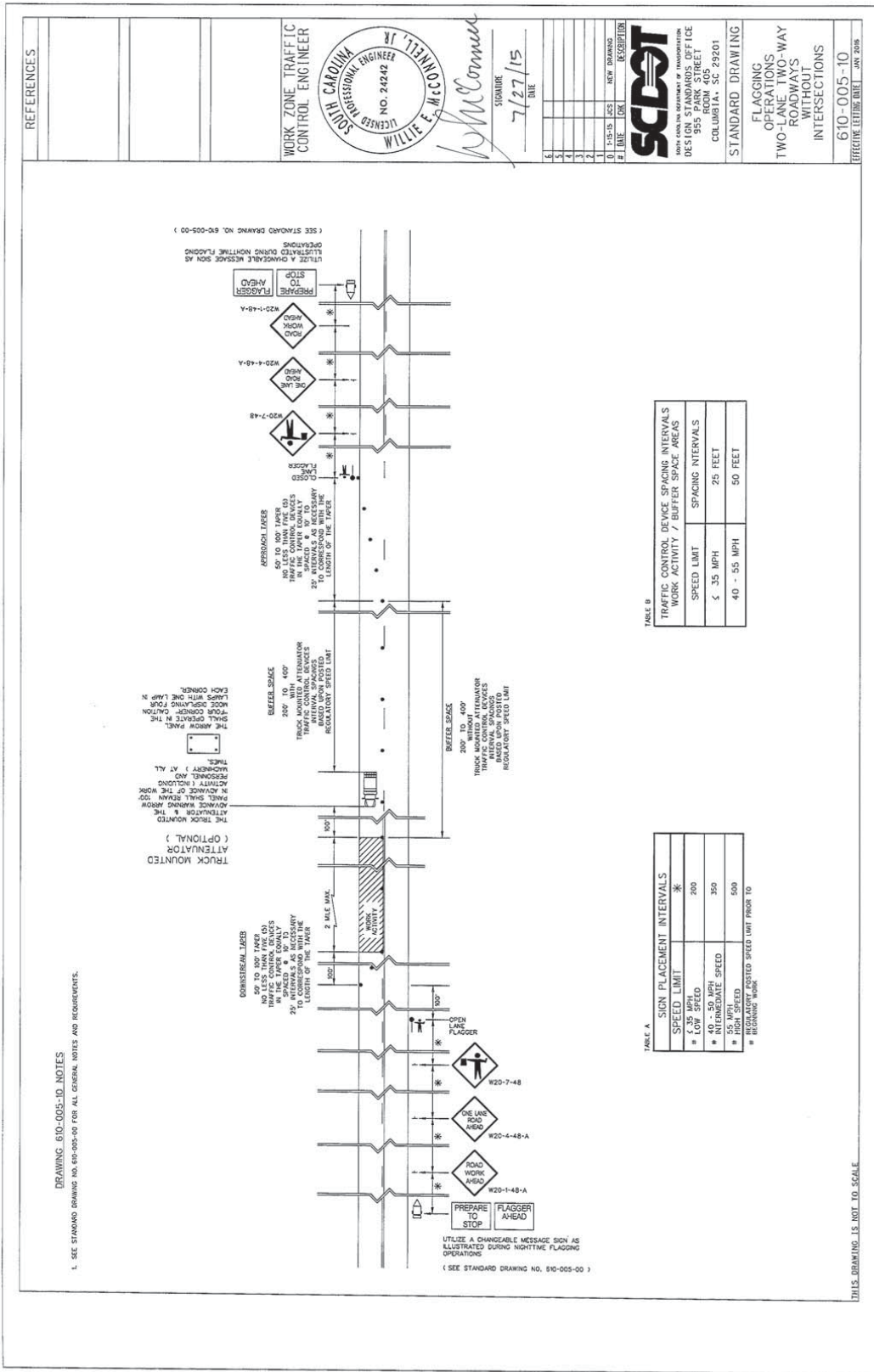
605-010-02 EFFECTIVE LITTING DATE 05/16/12

GENERAL NOTES

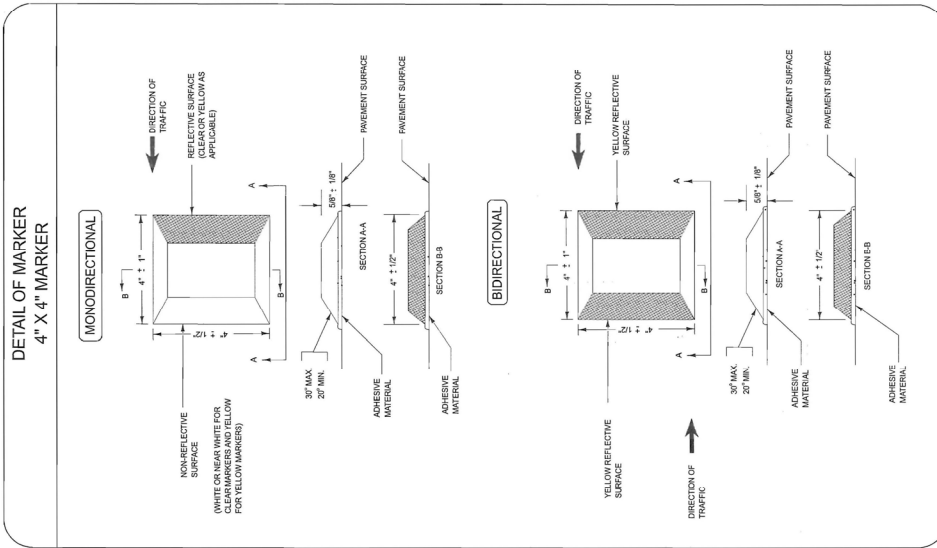
1. ALL SIGN LOCATIONS ARE TO BE MEASURED FROM THE WORK AREA. THE WORK LIMITS FOR THE PROJECT WILL BE DETERMINED BY THE ENGINEER AND AS INDICATED IN THIS DRAWING.
2. INSTALL ALL PERMANENT CONSTRUCTION SIGNS ON APPROVED GROUND MOUNTED SIGN POSTS UNLESS OTHERWISE DIRECTED BY THE DEPARTMENT. UNLESS OTHER OFF U-CHANNEL OR SQUARE STEEL TUBE POSTS FOR THESE INSTALLATIONS. INSTALL EACH PERMANENT CONSTRUCTION SIGN ASSEMBLY NO LESS THAN 2 FEET FROM THE SHOULDER OF A ROAD & OUTLET TO THE NEAREST EDGE OF THE SIGN ASSEMBLY. ALSO, MOUNT EACH PERMANENT CONSTRUCTION SIGN ASSEMBLY TO PROVIDE A MINIMUM CLEARANCE OF 14 FEET TO THE NEAREST OVERHEAD OBSTRUCTION. PERMANENT CONSTRUCTION SIGNS SHALL BE MOUNTED TO THE NEAREST EDGE OF THE ADJACENT TRAVEL LANE. HOWEVER, IF A SECONDARY SIGN IS MOUNTED BEHIND THE PRIMARY SIGN, THE CLEARANCE TO THE NEAREST OVERHEAD OBSTRUCTION SHALL BE 10 FEET. PERMANENT CONSTRUCTION SIGNS SHALL BE MOUNTED TO THE NEAREST EDGE OF THE ADJACENT TRAVEL LANE. HOWEVER, IF A SECONDARY SIGN IS MOUNTED BEHIND THE PRIMARY SIGN, THE CLEARANCE TO THE NEAREST OVERHEAD OBSTRUCTION SHALL BE 10 FEET. PERMANENT CONSTRUCTION SIGNS SHALL BE MOUNTED TO THE NEAREST EDGE OF THE ADJACENT TRAVEL LANE. HOWEVER, IF A SECONDARY SIGN IS MOUNTED BEHIND THE PRIMARY SIGN, THE CLEARANCE TO THE NEAREST OVERHEAD OBSTRUCTION SHALL BE 10 FEET.
3. MOUNT ALL FLAT SHEET PERMANENT CONSTRUCTION SIGNS STRAIGHT AND LEVEL AND WITH THE FACE OF THE SIGNS PERPENDICULAR TO THE SURFACE OF THE ROADWAY. PERMANENT CONSTRUCTION SIGNS SHALL BE MOUNTED TO THE NEAREST EDGE OF THE ADJACENT TRAVEL LANE. HOWEVER, IF A SECONDARY SIGN IS MOUNTED BEHIND THE PRIMARY SIGN, THE CLEARANCE TO THE NEAREST OVERHEAD OBSTRUCTION SHALL BE 10 FEET.
4. PERMANENT CONSTRUCTION SIGNS SHALL BE MOUNTED TO THE NEAREST EDGE OF THE ADJACENT TRAVEL LANE. HOWEVER, IF A SECONDARY SIGN IS MOUNTED BEHIND THE PRIMARY SIGN, THE CLEARANCE TO THE NEAREST OVERHEAD OBSTRUCTION SHALL BE 10 FEET.
5. RESTRICTIONS ARE FOR NORMAL CONDITIONS. ADJUSTMENTS MAY BE REQUIRED DUE TO HORIZONTAL AND/OR VERTICAL ALIGNMENTS OR OTHER SIGHT DISTANCE REQUIREMENTS.
6. ALL TRAFFIC CONTROL DEVICES SHALL COMPLY WITH ALL NCOPR REPORT 350 REQUIREMENTS AND SHALL REQUIRE APPROVAL BY THE DEPARTMENT. ONLY THOSE TRAFFIC CONTROL DEVICES WHICH HAVE BEEN APPROVED BY THE DEPARTMENT SHALL BE USED. THE DEPARTMENT RESERVES THE RIGHT TO RESTRICT WORK OPERATIONS AND/OR WITHHOLD THE MONTHLY ESTIMATE IF THE TRAFFIC CONTROL IS NOT PROPERLY INSTALLED AND MAINTAINED AS DIRECTED BY THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, THE STANDARD DRAWINGS, THE PLANS AND/OR THE ENGINEER.

THIS DRAWING IS NOT TO SCALE





PAVEMENT MARKING TYPICAL  
RAISED MARKER PLACEMENT & DETAIL



NOTES

1. ALL RAISED PAVEMENT MARKERS ARE TO BE SURFACE MOUNTED.
2. RAISED PAVEMENT MARKERS ARE USED TO SUPPLEMENT LINE OR SYMBOL PAVEMENT MARKINGS.
3. RAISED MARKERS ARE USED ONLY ON ROADWAYS SPECIFICALLY INDICATED ON THE PLANS. SOME ROADWAYS WILL HAVE LINE AND SYMBOL PAVEMENT MARKINGS, WITHOUT THE USE OF PAVEMENT MARKERS.
4. RAISED PAVEMENT MARKERS ARE THE SAME COLOR AS THE LINE THEY SUPPLEMENT. CLEAR PAVEMENT MARKERS ARE USED WITH WHITE LINES OR SYMBOLS, AND YELLOW WITH YELLOW LINES. WHEN RED PAVEMENT MARKERS OR COMBINATION RED AND CLEAR MARKERS ARE USED, THE RED COLOR IS TO INDICATE A WRONG WAY MOVEMENT.
5. RAISED MARKERS ARE USED TO SUPPLEMENT LANE LINES AND LEFT EDGE LINES ON ROADWAYS WITH ONE WAY TRAFFIC. WHEN RAISED MARKERS ARE USED TO A WIDE (NORMALLY 30' OR MORE AND EARTH) MEDIANS.
6. RAISED MARKERS ARE NOT NORMALLY USED ADJACENT TO A RAISED CURBED MEDIAN WHERE THE MEDIAN IS ONE HALF MILE OR MORE IN LENGTH. RAISED MARKERS MAY HOWEVER BE USED ADJACENT TO A RAISED MEDIAN WHERE THE MEDIAN IS LESS THAN ONE HALF MILE IN LENGTH. RAISED MARKERS AT RIGHT ENDS ARE TO BE CONTINUING THE RAISED MARKINGS FOR SHORT RAISED MEDIANS THE RAISED PAVEMENT MARKERS ARE USED EVEN THOUGH THE YELLOW LINE THEY SUPPLEMENT IS TERMINATED WHERE THE MEDIAN BEGINS.
7. MARKERS SUPPLEMENTING SOLID LINES SHALL BE SPACED AT 40'.
8. RAISED PAVEMENT MARKERS ARE NOT USED ADJACENT TO CURB AND GUTTER EXCEPT WHERE SPECIFIED BY PLAN NOTES.
9. REFLECTIVE PORTION OF MARKERS MUST BE PLACED SO AS TO BE VIEWED BY THE INTENDED APPROACHING DRIVERS ON THE ROADWAY BEING MARKED.
10. THERE WILL BE A MINIMUM OF TWO RAISED MARKERS PER TURN LANE. IF ONLY TWO BROKEN LINES ARE USED, THERE WILL BE A RAISED MARKER AFTER EACH LINE. IF ONLY ONE BROKEN LINE IS USED, A RAISED MARKER WILL BE USED BEFORE AND AFTER THE LINE.
11. THERE WILL BE A MINIMUM REFLECTIVE AREA OF 2.5 sq. ft.

REFERENCES


STONING AND MARKING ENGINEER

*Professional Engineer Seal: SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER, NO. 23845, ANNO 1911, MARK H. H.*

*Signature: Mark H. H.*

DATE: 2-17-08

#	DATE	CHK	DESCRIPTION

**SCDOT**

DESIGN STANDARDS OFFICE  
955 PARK STREET  
COLUMBIA, SC 29201

STANDARD DRAWING

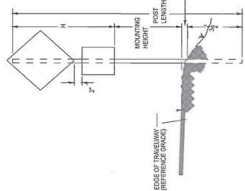
PAVEMENT MARKING TYPICAL  
RAISED MARKER  
PLACEMENT & DETAIL

630-105-00

EFFECTIVE LETTING DATE: MAY 2008 THIS DRAWING IS NOT TO SCALE



# FLAT SHEET SIGN MOUNTING DETAILS



SIGNS MOUNTED ON FREEWAY RAMPS AND CONVENTIONAL ROADS

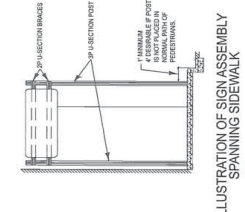
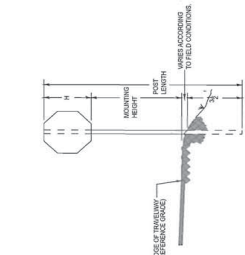
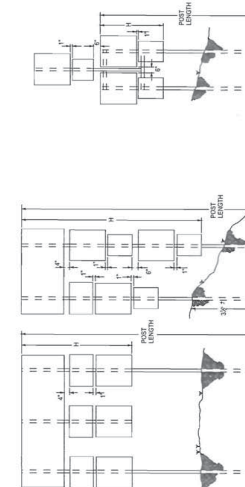


ILLUSTRATION OF SIGN ASSEMBLY SPANNING SIDEWALK



NOTE: POST LENGTHS SHOWN ON THIS TABLE ARE APPROXIMATE POST LENGTHS FOR NORMAL POST LENGTHS. POST LENGTHS SHALL BE ADJUSTED ACCORDING TO THE FOLLOWING TABLE:

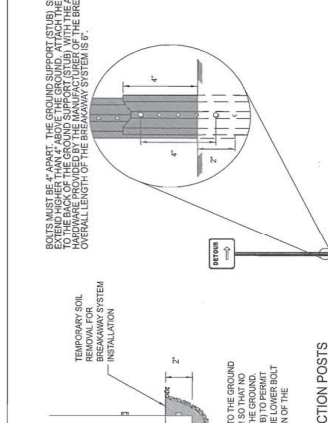
POST LENGTH (FT)	12'	15'	18'	21'	24'	27'	30'	33'	36'	39'	42'	45'	48'	51'	54'	57'	60'
POST LENGTH (FT)	12'	15'	18'	21'	24'	27'	30'	33'	36'	39'	42'	45'	48'	51'	54'	57'	60'

NOTE: ADD 2' TO POST LENGTH FOR MEASURING HEIGHT.

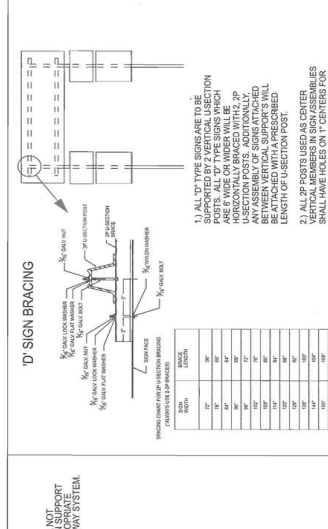
NOTE: POST LENGTHS SHOWN ON THIS TABLE ARE APPROXIMATE POST LENGTHS FOR NORMAL POST LENGTHS. POST LENGTHS SHALL BE ADJUSTED ACCORDING TO THE FOLLOWING TABLE:

POST LENGTH (FT)	12'	15'	18'	21'	24'	27'	30'	33'	36'	39'	42'	45'	48'	51'	54'	57'	60'
POST LENGTH (FT)	12'	15'	18'	21'	24'	27'	30'	33'	36'	39'	42'	45'	48'	51'	54'	57'	60'

NOTE: ADD 2' TO POST LENGTH FOR MEASURING HEIGHT.



LAP SPlice FOR U-SECTION POSTS



**D' SIGN BRACING**

1) ALL U-SECTION POSTS ARE TO BE SUPPORTED BY A VERTICAL U-SECTION POSTS. ALL U-SECTION POSTS WHICH ARE HORIZONTALLY BRACED WITH U-SECTION POSTS SHALL BE BRACED AT ANY ASSEMBLY OF SIGNS ATTACHED TO THEM. THE BRACING SHALL BE OF THE SAME LENGTH OF U-SECTION POST.

2) ALL U-SECTION POSTS USED AS CENTER VERTICAL MEMBERS IN SIGN ASSEMBLIES SHALL BE BRACED ON 1' CENTER FOR ENTIRE LENGTH.

**SCDOT**

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DESIGN STANDARDS OFFICE  
955 PARK STREET  
COLUMBIA, SC 29201

STANDARD DRAWING

FLAT SHEET MOUNTING DETAILS

651-110-00

EFFECTIVE LITTING DATE: MAY 2009

**SIZE & LENGTH OF U-SECTION POSTS FOR SINGLE SIGNS**

SIGN NO.	POST SIZE		POST SIZE		POST SIZE		POST SIZE		POST SIZE		POST SIZE		POST SIZE		POST SIZE		POST SIZE	
	POST HEIGHT	POST DIAMETER	POST HEIGHT	POST DIAMETER	POST HEIGHT	POST DIAMETER	POST HEIGHT	POST DIAMETER	POST HEIGHT	POST DIAMETER	POST HEIGHT	POST DIAMETER	POST HEIGHT	POST DIAMETER	POST HEIGHT	POST DIAMETER	POST HEIGHT	POST DIAMETER
85-128	12'	12"	12'	12"	12'	12"	12'	12"	12'	12"	12'	12"	12'	12"	12'	12"	12'	12"
85-129	15'	12"	15'	12"	15'	12"	15'	12"	15'	12"	15'	12"	15'	12"	15'	12"	15'	12"
85-130	18'	12"	18'	12"	18'	12"	18'	12"	18'	12"	18'	12"	18'	12"	18'	12"	18'	12"
85-131	21'	12"	21'	12"	21'	12"	21'	12"	21'	12"	21'	12"	21'	12"	21'	12"	21'	12"
85-132	24'	12"	24'	12"	24'	12"	24'	12"	24'	12"	24'	12"	24'	12"	24'	12"	24'	12"
85-133	27'	12"	27'	12"	27'	12"	27'	12"	27'	12"	27'	12"	27'	12"	27'	12"	27'	12"
85-134	30'	12"	30'	12"	30'	12"	30'	12"	30'	12"	30'	12"	30'	12"	30'	12"	30'	12"
85-135	33'	12"	33'	12"	33'	12"	33'	12"	33'	12"	33'	12"	33'	12"	33'	12"	33'	12"
85-136	36'	12"	36'	12"	36'	12"	36'	12"	36'	12"	36'	12"	36'	12"	36'	12"	36'	12"
85-137	39'	12"	39'	12"	39'	12"	39'	12"	39'	12"	39'	12"	39'	12"	39'	12"	39'	12"
85-138	42'	12"	42'	12"	42'	12"	42'	12"	42'	12"	42'	12"	42'	12"	42'	12"	42'	12"
85-139	45'	12"	45'	12"	45'	12"	45'	12"	45'	12"	45'	12"	45'	12"	45'	12"	45'	12"
85-140	48'	12"	48'	12"	48'	12"	48'	12"	48'	12"	48'	12"	48'	12"	48'	12"	48'	12"
85-141	51'	12"	51'	12"	51'	12"	51'	12"	51'	12"	51'	12"	51'	12"	51'	12"	51'	12"
85-142	54'	12"	54'	12"	54'	12"	54'	12"	54'	12"	54'	12"	54'	12"	54'	12"	54'	12"
85-143	57'	12"	57'	12"	57'	12"	57'	12"	57'	12"	57'	12"	57'	12"	57'	12"	57'	12"
85-144	60'	12"	60'	12"	60'	12"	60'	12"	60'	12"	60'	12"	60'	12"	60'	12"	60'	12"

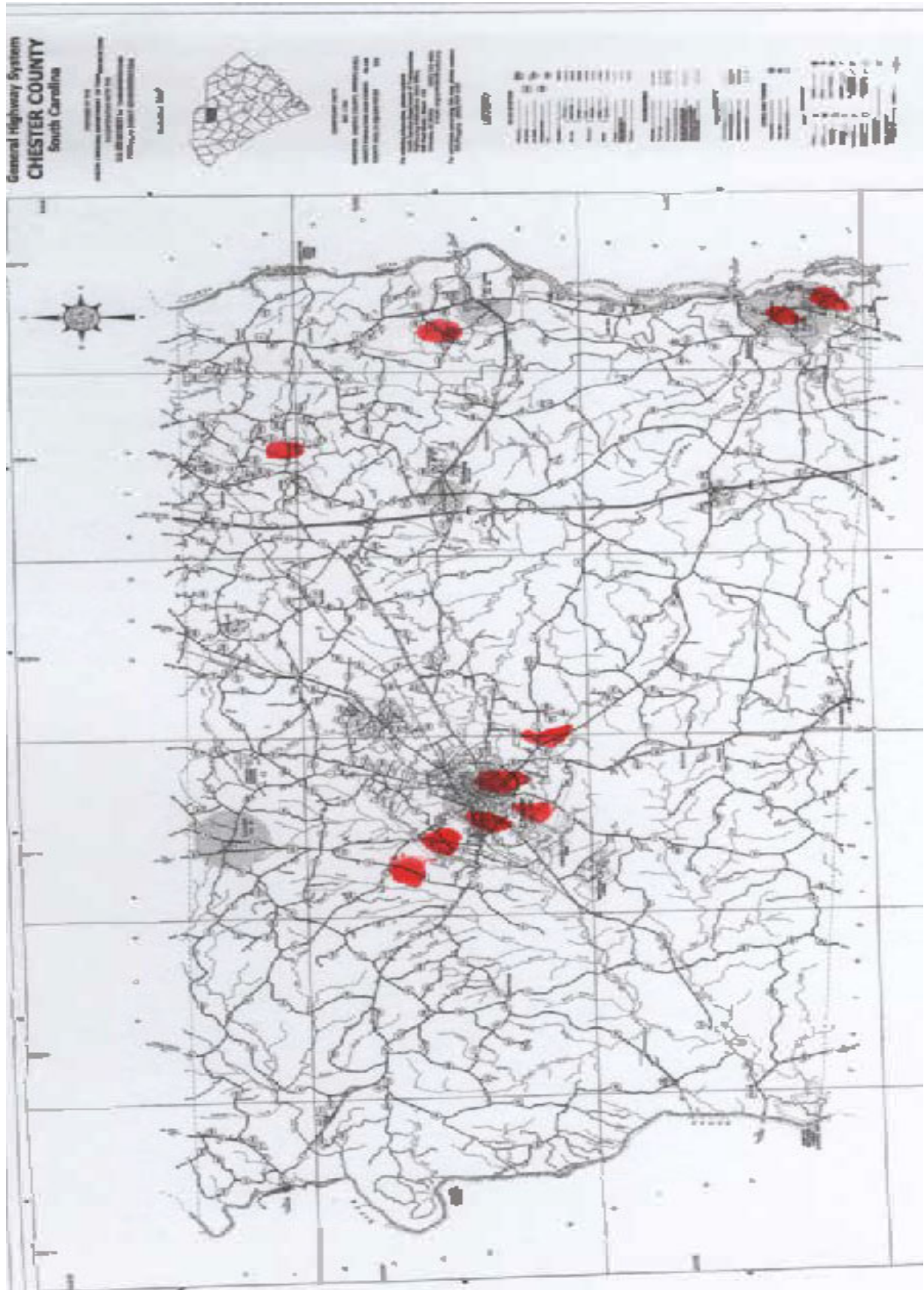
**SIZE & LENGTH OF U-SECTION POSTS FOR SINGLE SIGNS**

SIGN NO.	POST SIZE		POST SIZE		POST SIZE		POST SIZE		POST SIZE		POST SIZE		POST SIZE		POST SIZE		POST SIZE	
	POST HEIGHT	POST DIAMETER	POST HEIGHT	POST DIAMETER	POST HEIGHT	POST DIAMETER	POST HEIGHT	POST DIAMETER	POST HEIGHT	POST DIAMETER	POST HEIGHT	POST DIAMETER	POST HEIGHT	POST DIAMETER	POST HEIGHT	POST DIAMETER	POST HEIGHT	POST DIAMETER
85-128	12'	12"	12'	12"	12'	12"	12'	12"	12'	12"	12'	12"	12'	12"	12'	12"	12'	12"
85-129	15'	12"	15'	12"	15'	12"	15'	12"	15'	12"	15'	12"	15'	12"	15'	12"	15'	12"
85-130	18'	12"	18'	12"	18'	12"	18'	12"	18'	12"	18'	12"	18'	12"	18'	12"	18'	12"
85-131	21'	12"	21'	12"	21'	12"	21'	12"	21'	12"	21'	12"	21'	12"	21'	12"	21'	12"
85-132	24'	12"	24'	12"	24'	12"	24'	12"	24'	12"	24'	12"	24'	12"	24'	12"	24'	12"
85-133	27'	12"	27'	12"	27'	12"	27'	12"	27'	12"	27'	12"	27'	12"	27'	12"	27'	12"
85-134	30'	12"	30'	12"	30'	12"	30'	12"	30'	12"	30'	12"	30'	12"	30'	12"	30'	12"
85-135	33'	12"	33'	12"	33'	12"	33'	12"	33'	12"	33'	12"	33'	12"	33'	12"	33'	12"
85-136	36'	12"	36'	12"	36'	12"	36'	12"	36'	12"	36'	12"	36'	12"	36'	12"	36'	12"
85-137	39'	12"	39'	12"	39'	12"	39'	12"	39'	12"	39'	12"	39'	12"	39'	12"	39'	12"
85-138	42'	12"	42'	12"	42'	12"	42'	12"	42'	12"	42'	12"	42'	12"	42'	12"	42'	12"
85-139	45'	12"	45'	12"	45'	12"	45'	12"	45'	12"	45'	12"	45'	12"	45'	12"	45'	12"
85-140	48'	12"	48'	12"	48'	12"	48'	12"	48'	12"	48'	12"	48'	12"	48'	12"	48'	12"
85-141	51'	12"	51'	12"	51'	12"	51'	12"	51'	12"	51'	12"	51'	12"	51'	12"	51'	12"
85-142	54'	12"	54'	12"	54'	12"	54'	12"	54'	12"	54'	12"	54'	12"	54'	12"	54'	12"
85-143	57'	12"	57'	12"	57'	12"	57'	12"	57'	12"	57'	12"	57'	12"	57'	12"	57'	12"
85-144	60'	12"	60'	12"	60'	12"	60'	12"	60'	12"	60'	12"	60'	12"	60'	12"	60'	12"

## PROJECT MAPS

## MAPS INCLUDED:

- 1- COUNTY MAP
- 2- BALLINGDAM ROAD
- 3- BEACHAM STREET
- 4- BENNETT ROAD
- 5- CLEVELAND STREET
- 6- CONNOR ROAD
- 7- CRIPPLE CREEK ROAD
- 8- GAINES STREET
- 9- HOPPS ROAD
- 10- KENNINGTON STREET
- 11- KNOLLWOOD DRIVE
- 12- LANKSFORD ROAD
- 13- LOCKSHIRE STREET
- 14- ORRS STATION ROAD
- 15- PALLMALL ROAD
- 16- QUAIL HOLLOW CIRCLE
- 17- RICE STREET
- 18- RIPPLING BROOK DRIVE
- 19- ROCKY CREEK ROAD
- 20- SHOREVIEW DRIVE
- 21- STEPHENSON ROAD
- 22- SUNSHINE LANE

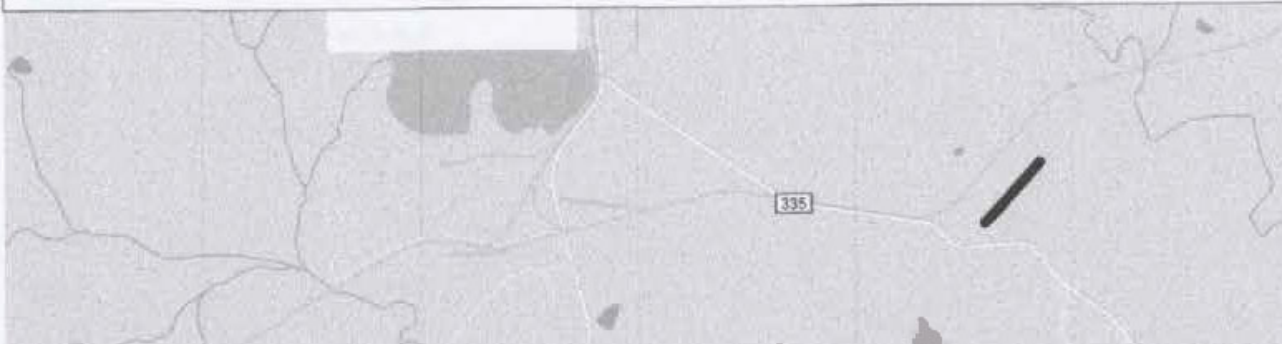


### Ballindam Road

County (Required) Chester

Municipality (Optional)

Street Name Ballindam Rd




### Beacham Street

County (Required) Chester

Municipality (Optional)

Street Name Beacham St




### Bennett Road

County (Required) Chester

Municipality (Optional)

Street Name Bennett Rd

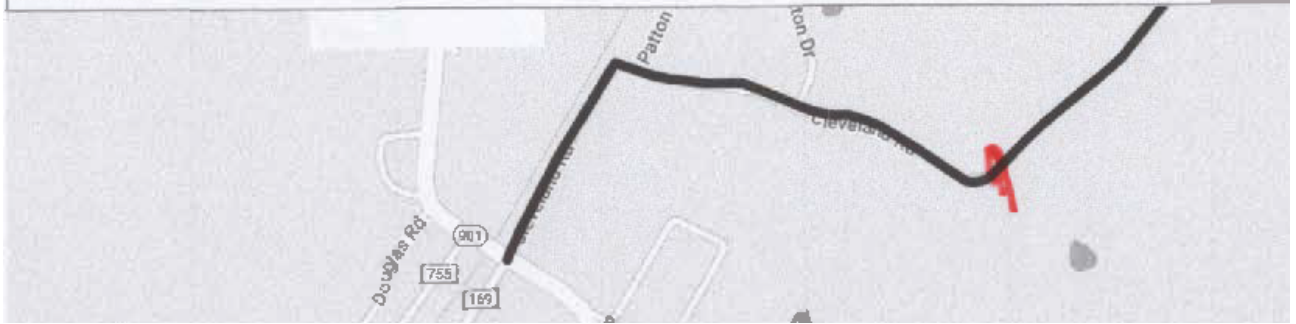


### Cleveland Road

County (Required) Chester

Municipality (Optional)

Street Name Cleveland Rd



### Connor Road

County (Required) Chester

Municipality (Optional)

Street Name Connor Rd

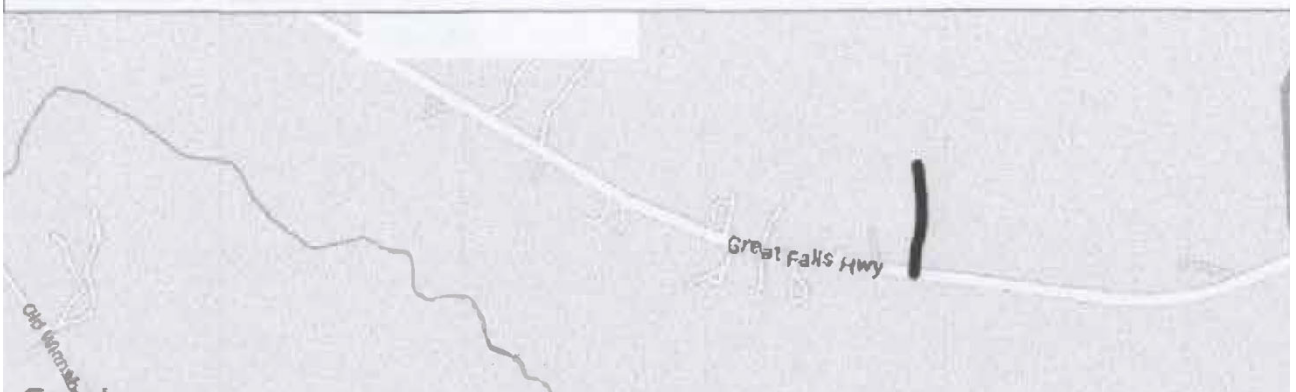


### Cripple Creek Road

County (Required) Chester

Municipality (Optional)

Street Name Cripple Creek Rd



### Gaines Street

County (Required) Chester    
 Municipality (Optional)    
 Street Name Gaines St

### Hopps Road

County (Required) Chester    
 Municipality (Optional)    
 Street Name Hopps Rd

### Kennington Street

County (Required) Chester    
 Municipality (Optional)    
 Street Name Kennington St

### Knollwood Drive

County (Required) Chester ✓  
Municipality (Optional) ✓  
Street Name Knollwood Dr



### Lanksford Drive

County (Required) Chester ✓  
Municipality (Optional) ✓  
Street Name Lanksford Dr



### Lockshire Street

County (Required) Chester ✓  
Municipality (Optional) ✓  
Street Name Lockshire St






### Orrs Station Road

County (Required) Chester

Municipality (Optional)

Street Name Orrs Station Rd


A map showing a section of Orrs Station Road highlighted in black. The road runs from the top right towards the bottom right. A road marker for 335 is visible in the upper center of the map.

### Pallmall Road

County (Required) Chester

Municipality (Optional)

Street Name Pallmall

A map showing a section of Pallmall Road highlighted in black. The road runs from the top right towards the bottom right. Other roads labeled include Orrs Station Rd and Ballindam. Road markers for 335 are visible in the center and bottom right.

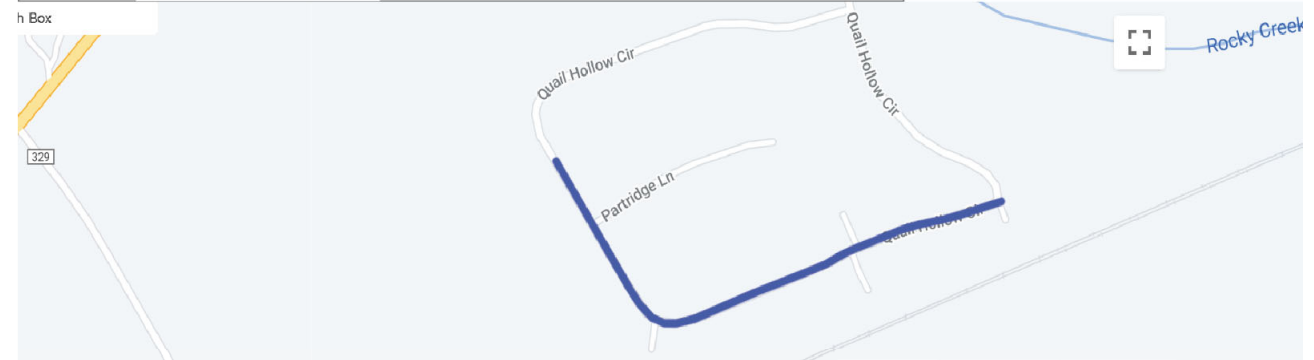
### Quail Hollow Circle

County (Required) Chester

Municipality (Optional)

Street Name Quail Hollow Cir

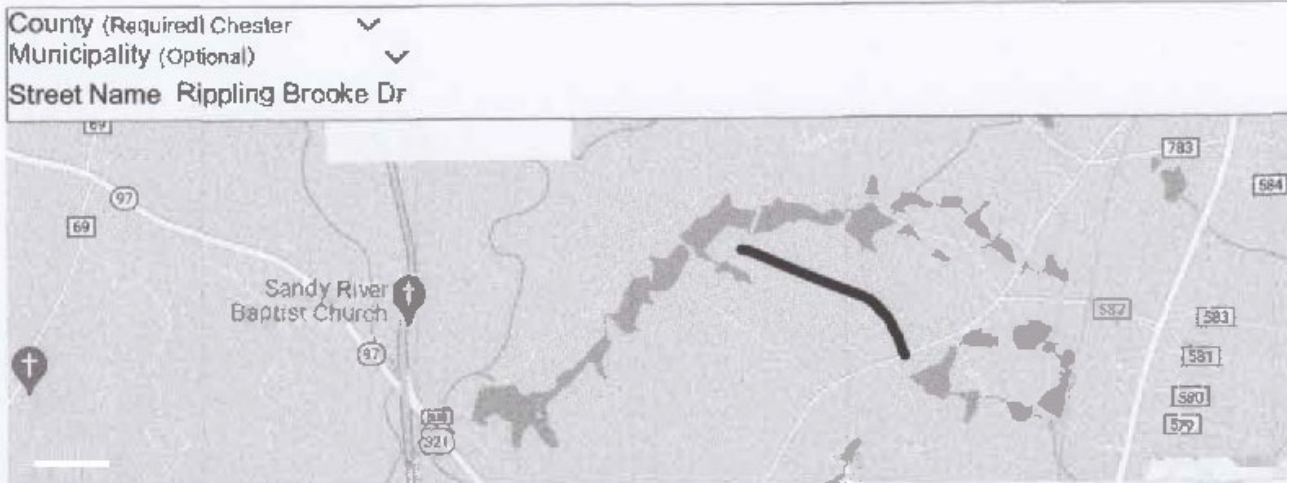
h Box

A map showing a section of Quail Hollow Circle highlighted in blue. The road forms a loop. Other roads labeled include Partridge Ln and Rocky Creek. A road marker for 329 is visible on the left side.

### Rice Street



### Rippling Brooke Drive



### Rocky Creek Road

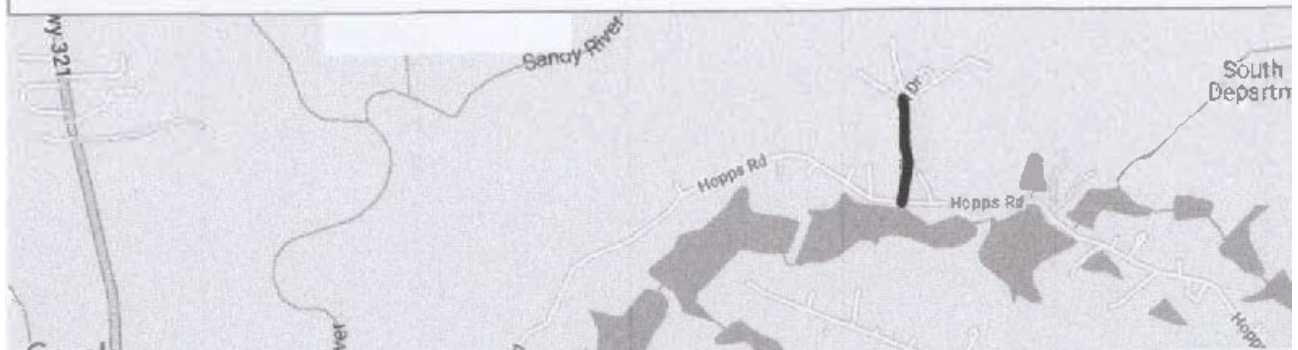


### Shoreview Drive

County (Required) Chester

Municipality (Optional)

Street Name Shoreview Dr

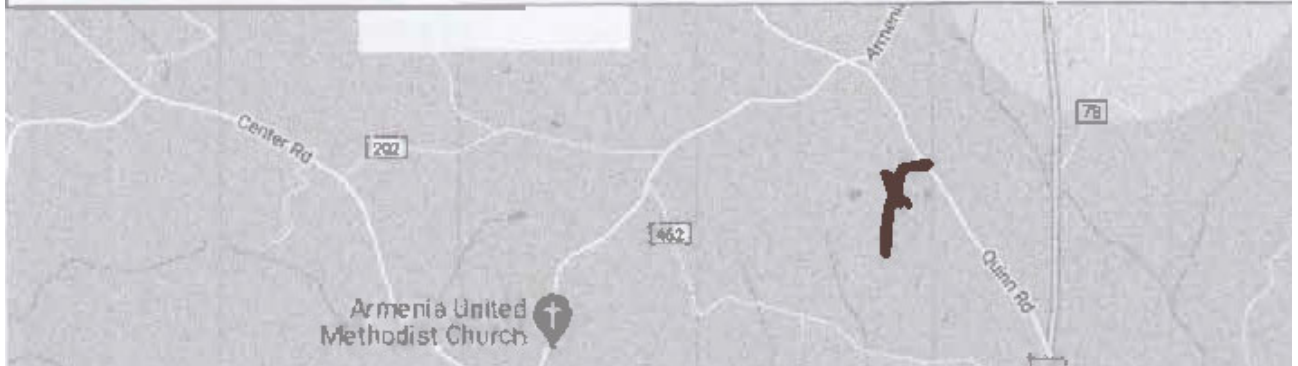


### Stephenson Road

County (Required) Chester

Municipality (Optional)

Street Name Stephenson Rd



### Sunshine Lane

County (Required) Chester

Municipality (Optional)

Street Name Sunshine Ln



## PERMANENT CONSTRUCTION SIGN SCHEDULE

**Loose Stone/25MPH Signs will be placed 250' in project on Beacham, Bennett, Connor, Cripple Creek, Gaines, Pallmall, and Rice**

### CONSTRUCTION SIGNS INCLUDED:

- 1- BEACHAM STREET
- 2- BENNETT ROAD
- 3- CLEVELAND STREET
- 4- CONNOR ROAD
- 5- CRIPPLE CREEK ROAD
- 6- GAINES STREET
- 7- HOPPS ROAD
- 8- KENNINGTON STREET
- 9- KNOLLWOOD DRIVE
- 10- LANKSFORD ROAD
- 11- LOCKSHIRE STREET
- 12- ORRS STATION ROAD
- 13- QUAIL HOLLOW CIRCLE
- 14- RICE STREET
- 15- RIPPLING BROOK DRIVE
- 16- ROCKY CREEK ROAD
- 17- STEPHENSON ROAD

Construction Road	Signs On	Number	Schedule	Comments
Rippling Brooke Drive	Armory Road S-333	2	E	
Orrs Station Road	Orrs Station	1	C	Prior to End State Maintenance
Kennington Street	Edwards Road S-250	2	E	
Rice Street	Wylie Street S-117	2	E	
Rice Street	Jeter street S-116	2	E	
Lockshire Street	Washington Street S-140	2	E	
Lockshire Street	JA Cochran Bypass SC 97	2	E	
Hopps Road	Armory Road S-333	2	E	
Lanksford Road	Shirley Road S-838	2	E	
Lanksford Road	Poverty Hollow Road	2	E	
Knollwood Road	Corbet Road S-425	2	E	
Cripple Creek Road	Great Fall Highway SC 97	2	E	
Bennett Road	Chester Avenue US 21	2	E	
Bennett Road	Pinecrest Avenue S-61	2	E	
Gaines Avenue	Chester Avenue US 21	2	E	
Connor Road (County Portion)	Connor Road S-462	1	C	End State Maintenance
Connor Road (County Portion)	Armenia Road S-29	2	E	
Connor Road (County Portion)	Goldmine Road	2	E	
Beacham Street	West White Street S-223	2	E	
Beacham Street	Devine Street S-229	1	E	
Beacham Street	Sweeney Street S-224	1	E	
Beacham Street	Beacham Street	1	C	
Stephenson Road	Quinn Road S-142	2	E	
Cleveland Road	Reinhardt Road SC 901`	2	E	
Rocky Creek Road	Rocky Creek Road	2	E	500' either side of Crooked Creek Lane
Qual Hollow Circle (County Portion)	Quail Hollow Circle (County Portion)	2	E	50' past end state maintenance both ends