

IFB DOCUMENTS
SAM'S POINT TURN LANE
IFB #071020TE



Prepared by: Beaufort County Traffic and Transportation Engineering Department

Dated: June 10, 2020

Bid Due Date: July 10, 2020 at 3:00 pm

IMPORTANT ELECTRONIC SUBMITTAL INSTRUCTIONS

In order to do business with the Beaufort County, vendors must register with Purchasing through our Vendor Registration system, powered by Vendor Registry. The County may reject any quotes, bids, proposals and qualifications submitted by businesses that are not registered. Registering also allows businesses to identify the type of goods and services they provide so that they may receive email notifications regarding relevant solicitations out for bid.

To register with the County go to www.beaufortcountysc.gov and go to the Purchasing Department's page and click on Vendor Registration. Once registered you may submit your proposal through the solicitation section in Vendor Registry.

IMPORTANT ELECTRONIC SUBMITTAL REQUIREMENTS

Response submittals for this Invitation for Bid will ONLY be received electronically and must be submitted ONLINE prior to the date and time listed on the cover page of this IFB document.

All responses must adhere to the following guidelines:

- Suppliers are encouraged to submit responses as soon as possible. Responses are received into a 'lockbox' folder and cannot be opened prior to the due date and time. The time and date of receipt as recorded by the server will serve as the official time of receipt. The County is not responsible for late submissions, regardless of the reason;
- All requested information and forms MUST be uploaded as one file if possible. Each submission must be inclusive of all required forms. If it is necessary to have more than one upload, pricing and signed acknowledgements, etc. are to be in the first upload and the MSDS should be in the second, with each titled accordingly. If you have a problem with your upload, you may contact Vendor Registry at **844-802-9202** or cservice@vendorregistry.com.

COUNTY COUNCIL OF BEAUFORT COUNTY

Title VI Statement to Prime Contractors, Subcontractors, Architects, Engineers, and Consultants



It is the policy of the County Council of Beaufort County, South Carolina, hereafter referred to as "Beaufort County" or "the County", to comply with Title VI of the 1964 Civil Rights Act (Title VI) and its related statutes. To this end, Beaufort County assures that no person shall be excluded from participation in, denied the benefit of, or subjected to discrimination under any of its programs or activities on the basis of race, color, national origin, age, sex, disability, religion, or language regardless of whether those programs and activities are Federally funded or not. The County is also committed to assuring every effort will be made to prevent the discrimination of low-income and minority populations as a result of any impact of its programs or activities. Beaufort County also assures that every effort will be made to prevent discrimination through the impacts of its programs, policies, and activities on minority and low-income populations. Additionally, the County will take reasonable steps to provide meaningful access to services for persons with limited English proficiency. In addition, Beaufort County will not retaliate against any person who complains of discrimination or who participates in an investigation of discrimination. Beaufort County will, where necessary and appropriate, revise, update, and incorporate nondiscrimination requirements into appropriate documents, directives, and regulations.

Pursuant to Title VI requirements, any entity that enters into a contract with Beaufort County including, but not limited to Prime Contractors, Subcontractors, Architects, Engineers, and Consultants, may not discriminate on the basis of race, color, national origin, age, sex, disability, religion, or language in their selection and retention of first-tier subcontractors, and first-tier subcontractors may not discriminate in their election and retention of second-tier subcontractors, including those who supply materials and/or lease equipment. Further, Contractors may not discriminate in their employment practices in connection with highway construction projects or other projects assisted by the U.S. Department of Transportation (USDOT) and/or the Federal Highway Administration (FHWA).

In all solicitations either by competitive bidding or negotiation made by the Contractor for work to Beaufort County to be performed under a subcontract, including procurements of materials or leases of equipment, each potential subcontractor or supplier shall be notified by the Contractor of the Contractor's obligations under the contract and the Title VI regulations relative to nondiscrimination on the basis of race, color, national origin, age, sex, disability, religion, or language by providing such a statement in its bidding and contract documents.

Upon request, the Contractor shall provide all information and reports required by Title VI requirements issued pursuant thereto, and shall permit access to its books, records, accounts and other sources of information, and its facilities as may be determined by Beaufort County, USDOT, and/or FHWA to be pertinent to ascertain compliance with such regulations, orders, and instructions. Where any information required of a Contractor is in the exclusive possession of another who fails or refuses to furnish this information, the Contractor shall so certify to USDOT or FHWA, as appropriate and via Beaufort County, and shall set forth what efforts it has made to obtain the information. In the event of the Contractor's non-compliance with nondiscrimination provisions of this contract, USDOT may impose such contract sanctions as it or FHWA may determine to be appropriate, including, but not limited to:

- Withholding of payments to the Contractor under the contract until the Contractor complies, and/or
- Cancellation, termination, or suspension of the contract, in whole or in part.

In the event a Contractor becomes involved in, or is threatened with, litigation with a subcontractor or supplier as a result of this direction to comply with Title VI, the Contractor may request USDOT to enter into such litigation to protect the interests of USDOT and FHWA. Additionally, the Contractor may request the United States to enter into such litigation to protect the interests of the United States. Any person or Subcontractor who believes that they have been subjected to an unlawful discriminatory practice under Title VI has a right to file a formal complaint within one hundred eighty (180) days following the alleged discriminatory action. Any such complaint must be filed in writing or in person:

Beaufort County Government
Post Office Drawer 1228 · Beaufort, SC 29901-1228
843-255-2354 Telephone · E-mail: compliance@bcgov.net

THIS IS NOT AN ORDER

*VENDOR ORIGINAL
 *VENDOR COPY

Dates Advertised: **June 10, 2020**

	<p>(IFB)</p>	FORMAL SEALED BID (X) REQUEST FOR QUOTE () We require bids to be electronically submitted through our Vendor Registry Program. Please go to www.BeaufortCountySC.gov and sign up to submit your bid. If you do not have access to a computer, you may hand deliver your bid.	
		BIDS WILL BE RECEIVED UNTIL 3:00 P.M. LOCAL TIME ON: July 10, 2020	Bid No. <p style="text-align: center;">IFB 071020TE</p>
BID TITLE: SAM'S POINT TURN LANE			
PREBID CONFERENCE: Mandatory Pre-Bid conference will be held on June 17, 2020, at 2:00 p.m., on-site located at the corner of SC 802 and US 21. Bidders are responsible for their own transportation. All interested bidders must attend the meeting. Questions will be accepted until June 26, 2020 via email and answers will be provided by addendum no later than July 2, 2020.			
David L. Thomas, CPPO Purchasing Director	Mailing Date	E-MAIL QUESTIONS TO: Dave Thomas – dthomas@bcgov.net at least calendar 10 days before bid opening.	
VENDOR NAME		REASON FOR NO BID	
VENDOR MAILING ADDRESS		Amend Number(s) Received:	
CITY-STATE-ZIP-CODE		S.C. TAX NO.	
Telephone Number ()		FEDERAL I.D. OR SOCIAL SECURITY NO.	
Toll-Free Number ()			
Fax Number ()			
I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm or 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 for the bidder.		AUTHORIZED SIGNATURE (MANUAL)	
		AUTHORIZED SIGNATURE (TYPE/TITLE)	
Bid Security is attached (if required) in the amount of: 5% of Bid if over \$30,000.00.			

BID ACCEPTANCE AND DELIVERY (Prices bid must be firm for a minimum of 90 days). In compliance with the Invitation, and subject to all conditions thereof, the above signed offers and agrees, if this bid is accepted within ___ days from date of opening, to furnish any or all items quoted on at prices as set forth after the item and to make delivery within ___ days after receipt of order with transportation cost included and prepaid. Unless otherwise stated and accepted herein, I agree to complete this proposed contract in less than sixty (60) days after issue date of purchase order.

IMPORTANT

IF YOU CONSIDER THESE SPECIFICATIONS AS RESTRICTIVE,
 SEE GENERAL PROVISIONS, PARAGRAPH #20, DISCREPANCIES.

* Bids received after the time specified for opening cannot be considered.

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PROJECT SUMMARY

IFB #071020TE – Sam’s Point Turn Lane

INTRODUCTION

It is the intent of Beaufort County to solicit competitive sealed proposals from qualified and experienced firms to provide construction services for turn lane improvements at the intersection of Sam’s Point Road (SC 802) and Sea Island Parkway (US 21 Bus.)

The selected firm must provide all services in full compliance with all applicable local, State, and Federal laws and regulations.

Provide a unit price proposal for the work to include but not limited to the following:

1. All work as shown on construction plans as prepared by Infrastructure, Consulting and Engineering.
 - a. Exhibit 2 – Construction Plans
2. Material testing and inspections to include the following:
 - a. Asphalt compaction testing
3. Provide submittals and shop drawings for review for all materials and equipment prior to incorporation into the project.
4. As-built survey to be performed by Contractor
5. Joint SWPPP inspections to be performed by Contractor with Owner

Work by others:

1. Permits already secured
 - a. SCDHEC – NOI
 - b. OCRM – Coastal Zone Consistency Certification
2. Permits in process
 - a. SCDOT – Encroachment Permit

Project Administration:

Beaufort County Traffic and Transportation Engineering Department
2266 Boundary Street
P.O. Drawer 1228
Beaufort, SC 29901-1228

Contract Type:

Unit price.

Contract Time:

Contractor shall complete all work within **120** days from Notice to Proceed.

**BID INVITATION
SAM'S POINT TURN LANE
IFB #071020TE**

Sealed bids submitted via Vendor Registry will be received electronically until 3:00 p.m. July 10, 2020 at which time responses to this request will be recorded in the presence of one or more witnesses in the Purchasing Department, 106 Industrial Village Road, Bldg. #2, Beaufort, South Carolina.

SAM'S POINT TURN LANE

A **Mandatory Pre-Bid** conference will be held on June 17, 2020, at 2:00 p.m., on-site located at the corner of SC 802 and US 21. Bidders are responsible for their own transportation. All interested bidders must attend the meeting. Questions will be accepted until June 26, 2020 via email and answers will be provided by addendum no later than July 2, 2020.

Bid documents are available on the Beaufort County Web Site at www.beaufortcountysc.gov. To obtain these documents you must be a registered vendor with Beaufort County. The contact phone number for the Purchasing Department is 843-255-2304.

Beaufort County reserves the right to reject all proposals and to waive minor informalities and irregularities.

All Bids shall be accompanied by a Bid Bond drawn in favor of the Beaufort County Treasurer of Beaufort County, Beaufort, South Carolina, in the amount of at least five percent (**5%**) of the bid for the complete work: such Bid Bond representing that the Bidder, if awarded a contract, will promptly enter into a contract and furnish Performance Bond and Payment Bond as provided by law and approved by the attorney for Beaufort County, South Carolina. Each bond shall be equal one hundred percent (**100%**) of the contract amount. The Bid Bond shall be forfeited to the **County Council of Beaufort County, South Carolina** as liquidated damages if the Bidder fails to execute the contract and provide Performance and Payment Bonds within fourteen (**14**) days after being notified that he has been awarded the Contract.

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

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

The Beaufort County Council reserves the right to reject all Bids and waive any formalities. Any claims for cost incurred by any bidders in preparation of any part of, or total package for this project will not be handled for reimbursement by Beaufort County or their representatives.

The Bidder is **required** to submit only the Bid documents, which include all contained in Exhibit 1 Required Documents.

1. Invitation for Bid
2. Bid Form
3. Schedule of Prices
4. Bid Bond
5. Consent of Surety
6. Certification by Contractor Regarding Non-Segregated Facilities
7. Non-Collusion Affidavit
8. Contractors Qualification Statement
9. Local Vendor Preference
10. SMB
11. Self-Performance Affidavit
12. Good Faith Efforts Checklist
13. Non-Discrimination Statement

Public bid opening will be held at the **Purchasing Department** in the Finance Conference Room at 106 Industrial Village Road, Bldg. 2, Beaufort SC 29906 at 3:00 P.M. July 10, 2020.

INSTRUCTIONS TO BIDDERS

1. DEFINED TERMS

Terms used in these Instructions to Bidders, which are defined in the General Conditions and Supplementary Conditions have the meanings assigned to them therein.

2. CONTRACT DOCUMENTS

2.1 Bidder should verify that the Contract Documents are complete in the number of documents as indicated by the List of Documents, and in the number of pages in each document.

2.2 Bidder must use a complete set of Contract Documents in preparing Bid; neither Owner nor Engineer assume any responsibility for errors or misinterpretations resulting from the use of an incomplete set of Contract Documents.

2.3 Bidder has the responsibility prior to submitting Bid to examine the Contract Documents thoroughly and notify the Engineer of all conflicts, errors or discrepancies, or of questions or meaning or intent. Bidder is encouraged to visit the construction site prior to submitting a Bid.

2.4 Addenda may be issued to modify the Contract Documents in response to notifications made by Bidders, or for other reasons. Addenda will be posted on Vendor Registry at least five days prior to Bid opening. If addenda are required to post less than five calendar days prior to Bid Opening, then it shall be the responsibility of the Bidder who considers that the issued addenda does not provide sufficient time to address the Bid, notify the owner, by phone and in writing of the need to delay the Bid Opening. The owner shall then notify all prospective bidders via email and on Vendor Registry of the revised Bid Opening Date.

2.5 Bidders shall check Vendor Registry to verify the number, if any, of Addenda issued.

3. ORGANIZATION OF CONTRACT DOCUMENTS

3.1 The Bid form contains understandings and representations made by Bidder in submitting the Bid; in addition, the Schedule of Items is included.

3.2 The form of Notice of Award and Agreement, which may be executed by the Owner with the Successful Bidder, is incorporated in the Contract Documents.

3.3 The General Conditions incorporated in the Contract Documents are the **STANDARD GENERAL CONDITIONS OF THE BEAUFORT COUNTY, SOUTH CAROLINA CONSTRUCTION CONTRACT**

3.4 The actual amendments or supplements to the Standard General Conditions are made in the Supplementary Conditions by reference to the specific article or paragraph so amended or supplemented. The Supplementary Conditions may also contain additional paragraphs incorporating language required by South Carolina contract law.

3.5 The General Requirements of the Specifications contain additional amendments and supplements to the Standard General Conditions of the Construction Contract with regard to general and administrative matters, and contain details for the Work of this Contract.

3.6 The Technical Requirements of the Specifications may cover a breakdown of the Goods and/or Service by Sections; solely for reference and payment, and not for dividing Goods and/or service among subcontractors or suppliers. Each section includes general information on the Work included, and method of payment. Items in the Technical Sections for which payment is to be made are listed in the Schedule of Items in the Bid Form.

3.7 The drawings are complementary to the Specifications to show size, form, location and arrangement of various elements of the Work.

3.8 Section 6.0 - Special Provisions may contain additional instruction, conditions or directions directly related to the contract or Work of the Contractor.

3.9 The General Conditions indicates that information and data reflected in the Contract Documents

with respect to Underground Facilities at or contiguous to the site is based upon information and data furnished to Owner and Engineer by owners of such Underground Facilities or others, and Owner and Engineer shall not assume responsibility for the accuracy or completeness thereof.

3.10 Bidder, prior to submitting a Bid, may conduct at bidder's expense any additional examinations, investigations, explorations and tests pertaining to subsurface and physical conditions, and to Underground Facilities, which are deemed necessary by Bidder to determine an appropriate Bid for performing and furnishing the work in accordance with the Contract Document. Owner will provide Bidder with access to the site for the purpose set forth in this paragraph upon agreement of the Bidder to restore the site as nearly as possible to its original condition.

4.0 SCHEDULE OF PRICES

Bidder, with regard to completing the Schedule of prices of the Bid Form, is advised as follows:

4.1 The Owner, a public body, is not exempt from South Carolina State Sales and Use Taxes and equipment to be incorporated in the Work, and such taxes shall be included in with price Bid.

4.2 The quantities indicated for Unit Price Work, if any, are estimates and not guaranteed and final payment will be based on actual quantities constructed.

4.3 The Agreement, if made, will be on the basis of materials and equipment indicated in the Drawings or specified in the Specifications without consideration of possible substitute items.

4.4 The lands upon which the Work are to be performed, rights-of-way and easements for access thereto and other lands designated for use by Contractor in performing the Work are identified in the Contract Documents. All additional lands and access thereto required for temporary construction facilities or storage of materials and equipment are to be provided by Contractor.

4.5 The amount Bid for each item must be written in words where indicated; these written entries shall control with regard to price of the Bids received.

5.0 SUBMISSION OF BIDS

5.1 Bidder must provide all information requested in the Bid Form and in attachments thereto by appropriate entries handwritten in ink or typewritten.

5.2 Bidder must sign the Bid Form as follows:

5.2.1 Proprietorship, signature shall be that of the Proprietor.

5.2.2 Partnership, signatures shall be that of the person or persons authorized to sign and attest for the partnership.

5.2.3 Corporation, signatures shall be that of the person or persons authorized to sign and attest for the corporation.

5.3 If Bidder is, a joint venture set forth the full name of the identity or identities comprising the joint venture. Each joint venture must sign in the manner indicated for the respective form of ownership as set forth in Paragraph 6.2 of these Instructions to Bidders.

5.4 Bidder must submit with the Bid Form a Bid Security made payable to the Beaufort County Treasurer in an amount of not less than five percent (**5%**) of the total amount indicated in the Bid Form, in the form of a certified or bank check or a Bid Bond issued by a surety authorized to do business in South Carolina.

5.5 Bids including Bid Security and other required documents, shall be submitted as indicated in the advertisement for Bids

5.6 Bids may be modified or withdrawn by a document duly executed in the manner that a Bid must be executed and delivered to the place where Bids are to be submitted at any time prior to the opening of Bids.

6.0 DISPOSITION OF BIDS

6.1 **OWNER** any time prior to Bid opening may withdraw the advertisement for Bids and not accept

Bids. Any Bid received under this circumstance will be returned, unopened to Bidder.

6.2 **OWNER** may open Bids and (unless obviously non-responsive) read aloud publicly.

6.3 **OWNER** will reject Bids other than the three (3) apparent lowest responsible bids and return Bid Security for rejected Bids within ten (10) business days after the date of Bid opening.

6.4 **OWNER** may hold the three (3) apparent lowest responsible Bids subject to acceptance for ninety (90) days after the day of the Bid opening; and the Bid security of these Bidders will be returned as follows: (1) to the unsuccessful Bidders within three (3) business days after a Notice of Award is made to Successful Bidder, and (2) to the Successful Bidder after the Agreement is executed and the required contract security furnished.

6.5 **OWNER**, in evaluating Bids, will consider the qualifications of the Bidders, whether or not the Bids comply with the prescribed requirements, and such alternates, and of the data, as may be requested by the Bid Form.

6.6 **OWNER** reserves the right to reject any and all Bids, to waive any informality and to reject nonconforming, non-responsive, unbalanced or conditional Bids.

6.7 **OWNER** may conduct reasonable investigations as deemed necessary to assist in the evaluation of Bids and to establish the responsibility, qualifications and financial ability of Bidders to perform and furnish the Work in accordance with the Contract Documents.

6.8 The Beaufort County Council reserves the right to reject all Bids and waive any formalities. Any claims for cost incurred by any bidders in preparation of any part of, or total package for this project will not be handled for reimbursement by Beaufort County or their representatives.

7.0 AWARD OF CONTRACT

7.1 **OWNER**, if the Contract is awarded, will award it to the lowest responsible Bidder. The lowest Bid will be determined based on the total of the Bid price for each item as indicated in words in the Bid Form. The written entries will control over numerical entries regardless of whether there are arithmetic discrepancies between the written amount and the numerical entries.

7.2 **OWNER** will give the Successful Bidder a Notice of Award within ninety (90) days after the day of the Bid opening, if the Contract is to be awarded.

7.3 **OWNER'S** Notice of Award to the Successful Bidder will be transmitted with the required number of unsigned counterparts of the Agreement.

7.4 Successful Bidder, within fourteen (14) days after receiving Notice of Award shall sign and deliver the required number of counterparts of the Agreement to Owner with the required Bond. Paragraph 5.1 of the General Conditions and the Supplementary Conditions set forth Owner's requirements as to performance and payment bonds.

7.5 Bidder, in submitting Bid, understands and agrees that the Bid security may be forfeited as liquidated damages, and not as a penalty, if the Bidder is determined to be Successful Bidder and thereafter fails to execute the Agreement and furnish the required Bonds within the stipulated time.

7.6 **OWNER**, within ten (10) days after receiving the Agreement and bonds, shall deliver one signed counterpart to Contractor, and thereby establish the effective Date of the Agreement.

7.7 The successful Bidder shall secure and pay for necessary approvals, permits, assessments, and changes required for the construction and installation of this project as required by local, state, and federal regulations. County permits shall be required as applicable, but the fee shall be waived. This waiver shall apply to the Beaufort County permit fee only and not to any "City or Town" permit fee and/or licenses, when applicable.

8.0 COMMENCEMENT OF CONTRACT TIME

8.1 **OWNER** may give **CONTRACTOR** a Notice to Proceed within thirty **(30)** days after the Effective Date of the Agreement, and indicate there in the day on which the Contract Time will commence to run.

9.0 CONTRACT TIME

Reference Project Summary

10.0 DAMAGES

Reference section twenty of contract for Liquidated Damages.

11.0 RETAINAGE

Per Standard General Conditions

12.0 RIGHT TO PROTEST

12.1 Any actual bidder who is aggrieved in connection with the award of a contract may protest to the Purchasing Director. The protest shall be submitted in writing within fourteen (14) days of the Bid opening. The protest must be accompanied by a detailed statement indicating the reasons for such protest.

12.2 Authority to Resolve Protest. The Purchasing Director shall have authority, prior to the commencement of an action in court concerning the controversy, to settle and resolve a protest of an actual aggrieved bidder, concerning the award of the contract.

12.3 Decision. If the protest is not resolved by mutual agreement, the Purchasing Director shall issue a decision in writing within ten **(10)** days of receipt of the written protest. The decision shall:

- a) State the reasons and describe the actions taken; and
- b) Inform the protestant of its right to administrative review as provided in this Section.

12.4 Notice of Decision. A decision under Subsection (3) of the Instructions to Bidder shall be noticed by certified mail to the protestant and any other party intervening.

12.5 Rights to Review

- a) Any person adversely affected by the decision appeals administratively within **(10)** Days after receipt of decision to the County Council in accordance with this section.
- b) Any protest taken to County Council or court shall be subject to the protestant paying all of Beaufort County administrative costs, attorney fees and court costs, when it is determined that the protest is without standing.

12.6 Litigation

- a) Any litigation arising out of this Bid Award or subsequent contract or agreement shall be held only in a Circuit Court of Beaufort County, Beaufort, South Carolina and the fourteenth Judicial Circuit.

STATE OF SOUTH CAROLINA)
)
COUNTY OF BEAUFORT)

CONTRACT
No. IFB 071020TE
Sam's Point Turn Lane

THIS CONTRACT (hereinafter the "Contract") entered into this XX day of XXXXX, 2020 between the **COUNTY OF BEAUFORT**, South Carolina, a public body corporate and politic and political subdivision of the State of South Carolina, (hereinafter the "County") and **Contractor Name Here** (hereinafter the "Contractor"), ("Party" as to each; collectively the "Parties").

WITNESSETH:

WHEREAS, the County has sought to contract with an independent contractor for the furnishing of all labor, supervision, materials and equipment required to perform and complete enhancement work to the XXXXXXXX (the "Work") as detailed in the Contract Documents (defined below); and

WHEREAS, the County solicited proposals pursuant to **IFB No. 071020TE** for the aforesaid Work that is needed; and

WHEREAS, the Contractor has represented to the County that its staff is qualified to provide the Work required in this Contract in a professional and timely manner; and

WHEREAS, the County has relied upon the above representations by the Contractor; and

WHEREAS, the Contractor desires to provide the aforesaid services pursuant to the terms and conditions contained below;

NOW, THEREFORE, in consideration of these premises and of the mutual covenants herein set forth, it is agreed by and between the Parties hereto as follows:

SECTION ONE
Definitions

Unless the context clearly requires otherwise, all capitalized terms used in this Contract shall have the meanings set forth in this Section One.

"Commencement Date" means the date specified in the Notice to Proceed as the date on which the Contractor shall begin providing the Work.

"Contract Documents" means all exhibits, attachments, specifications, and any addenda to this Contract that are incorporated by reference into this Contract and which are marked as follows:

Exhibit A: Construction Plans
Exhibit B: Project Permits

In the event of any conflict, discrepancy, or inconsistency among any of the documents which make up this Contract, the following shall control:

- a. As between the Contract and the Contract Documents and any other document to include, but not limited to, the plans or specifications, the Contract shall govern.

- b. In the event of any conflict, discrepancy, or inconsistency among any of the other Contract Documents, the Contractor shall notify the County immediately upon discovery of same, and the County will notify the Contractor of the resolution.
- c. Any documents not included or expressly contemplated in this Contract do not, and shall not, form a part of this Contract. The Contract Documents are intended to be complementary, and a requirement in one document shall be deemed a requirement in all documents.

Certain publications shall also govern the Work hereunder, unless otherwise provided herein, and are also hereby incorporated by reference.

“Contract Price” means the price listed in the Contract for the Work to be received in return.

“Contractor” has the meaning assigned above to that term, and includes that company’s agents, employees, and representatives.

“Contract Quantities” means the estimated quantities listed on the bid form.

"County" means County of Beaufort, a public body politic and corporate and political subdivision of the State of South Carolina.

“Engineer” means the Project Engineer for the County, acting directly or through its duly designated representative, such representative acting within the scope of particular duties assigned to it or of the authority given it. For purposes of this Contract and the Work to be performed under it, the duly designated representative of the Engineer shall be the Project Manager (as defined below).

“Final Payment” means the last payment from the County to the successful Bidder of the entire unpaid balance of the Contract sum as adjusted by any approved change orders.

“Notice to Proceed” means the written notice to be given by the County to the Contractor to commence Work under this Contract.

“Purchasing Director” means the Purchasing Director for Beaufort County.

“Project” means the “Work” and is used interchangeably with that term.

“Project Manager” shall be the field representative designated by the County to serve as project manager for the Work.

“Project Site” means the site or sites where the Work is performed. This term is used interchangeably with “Work Site.”

“Work” means the work specified and described in the exhibits under “Contract Documents” and includes, but is not limited to, materials, workmanship, manufacture and fabrication of components.

“Work Site” means the “Project Site” and is used interchangeably with that term.

SECTION TWO

Term

The Contractor shall complete the work described within XXX calendar days after issuance of a Notice to Proceed. The Contractor shall not commence Work prior to the issuance of a Notice to Proceed.

SECTION THREE

Work

Contractor agrees to perform and furnish all labor, supervision, materials, equipment, tools, machinery, transportation and supplies necessary for the completion of the Work required under this Contract in a professional and timely manner.

Work is to be completed as indicated in Section Two after the issuance of the Notice to Proceed, absent any extensions as provided in Section Five hereof.

SECTION FOUR

Contract Price: Payment Terms

- A. The Contractor is to perform the Work beginning on the Commencement Date until the termination of this Contract for the total, all-inclusive price not to exceed or lump sum (Choose One) **Spell out dollar value (\$X,XXX,XXX.XX).**

The amount as specified may be increased or decreased by the County through the issuance of a change order or amendment. Any prices specified in Contractor's Bid or any such change order or Amendment will remain firm for the term of this Contract and any Amendment thereto.

- B. The Contractor shall submit monthly invoices itemizing all labor and materials for which payment is requested. Subject to approval of the invoice by the County, the County shall pay Contractor for the performance of the Work, including all labor and items necessary to accomplish and complete the Work, in accordance with all terms and conditions as stated in the Contract Documents, on the following basis:

The Contractor shall submit invoices in the format that will be provided by the County at the preconstruction meeting. Failure to follow the format may result in payment delays.

All invoices will be processed by the County once a month. All partial payments will be based upon the Contractor's invoices, approved by the Project Manager, for the Work performed and materials completely in place in accordance with the Contract and to the satisfaction of the Project Manager. Ten (10%) percent or Fifty-Thousand (\$50,000), Dollars whichever is less, shall be retained by the County and the remainder shall be paid to the Contractor. Retainage shall not be released until after the completion of all the Work to the satisfaction of the County.

- C. Invoices will be submitted to the Project Manager _____, Beaufort County Traffic and Transportation Engineering Department, 2266 Boundary Street, Beaufort, S.C. 29906. Invoices will contain a reference to IFB No. 071020TE, and shall include: the Period of time covered by the invoice; a Summary of work performed for the billing period; Purchase order and Contract Number; and Contractor's Tax Identification Number.

- D. If Applicable, with regard to items (which term includes, without limitation, any and all materials) in the Contract Price, the County reserves the right to increase the Contract Quantities by an amount not to exceed in value twenty (20%) percent of the total Contract Price or decrease the Contract Quantities by an amount not to exceed in value twenty (20%) percent of the total Contract Price. Payment will be made based on the unit prices submitted by the Contractor and incorporated by reference in this Contract.

No claim shall be made by the Contractor for any loss of anticipated profits or unabsorbed overhead because of any such alteration, or by reason of any variation between the approximate quantities and the quantities of work as done. If the altered or added work is of sufficient magnitude as to require additional time in which to complete the Project, such time adjustment will be made at the determination of the County.

- E. No claim by the Contractor for any adjustment under this Contract shall be allowed if asserted after Final Payment under this Contract.
- F. When the County requires substantiating information, the Contractor shall submit data justifying dollar amounts in question.

SECTION FIVE

Time

The Contractor agrees to punctually and diligently perform all parts of the Work at the time scheduled by the Contractor which shall be subject to change by the County as deemed necessary or convenient to the overall progress of the Project. In this connection, the Contractor agrees that the Contractor will keep itself continually informed of the progress of the job and will, upon its own initiative, confer with the County so as to plan its work in coordinated sequence with the Work of the County and of others and so as to be able to expeditiously undertake and perform the Work at the time most beneficial to the entire Project. The Contractor will be liable for any loss, costs, or damages sustained by the County for delays in performing the Work hereunder, other than excusable delays for which the Contractor may be granted an extension of time. If, in the reasonable opinion of the County, the Contractor is not complying with the progress schedule or will not meet the completion date, the County may require the Contractor to provide additional manpower, or work overtime, or expedite materials, and the Contractor shall take the necessary steps to comply, all without increase in Contract Price.

If the Contractor is delayed at any time in the progress of the Work by any act or neglect of the County, or by any separate contractor employed by the County, or by changes in the Work, or by labor disputes, fire, unusual delay in transportation, unusually severe weather conditions, unavoidable casualties, delays specifically authorized by the County, or by causes beyond the Contractor's control, avoidance, or mitigation, and without the fault or negligence of the Contractor and/or subcontractor or supplier at any tier, then the Contract time shall be extended by change order for such reasonable time, if any, as the County may determine that such event has delayed the progress of the Work or overall completion of the Work, if the Contractor complies with the notice and documentation requirements set forth below.

Any claim for extension of time, except as provided for below with regard to rain delays, shall be made in writing to the County, not more than five (5) calendar days from the beginning of the delay. The notice shall indicate the cause of the delay upon the progress of Work. If the cause of the delay is continuing, the Contractor must give written notice to the County every week that the delay continues. Within five (5) calendar days after the elimination of any such delay, the Contractor shall submit further documentation of the delay and a formal change order request for an extension of time for such delay.

The written request for a time extension shall state the cause of the delay, the number of days extension requested, and such analysis and other documentation to demonstrate a delay in the progress of the Work or the overall Project completion. If the Contractor does not comply with the above notice and documentation requirements, the claim for the delay shall be waived by the Contractor.

Extensions of time shall be the Contractor's sole remedy for any and all delays, hindrances, or obstructions. No payment or compensation of any kind shall be made to the Contractor for damages because of hindrance or obstruction in the orderly progress of the Work or delay from any cause in the progress of the Work, whether such hindrances or delays be avoidable or unavoidable. The Contractor expressly agrees not to make, and hereby waives any claim for damages on account of any delay, obstruction, or hindrance for any cause whatsoever, including but not limited to the aforesaid cause and agrees that the Contractor's sole right and remedy in the case of any delay, obstruction, or hindrance, shall be an extension of the time fixed for completion of the Contract. Without limitation, the County's exercise of its rights under the changes clause, regardless of the extent or number of such changes, shall not under any circumstances be construed as compensable, other than through an extension of time, it being acknowledged that the Contract amount includes and anticipates any and all delays, hindrances, or obstructions whatsoever from any cause, whether such be avoidable or unavoidable.

Weather delays are generally referred to as "rain days," and shall apply to days when the Work cannot be undertaken due to adverse weather conditions. Time for hot, cold, and/or windy conditions have been allowed for in the allocated date of completion. An average number of rain days are included in the completion date determination. This was determined by the following method:

Using the National Oceanic and Atmospheric Administration (NOAA) monthly reports, all days in each month in which rainfall in any part of the day exceeded .10 inch has been calculated and averaged. These averages are as follows:

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
10	7	6	6	9	14	14	17	11	8	6	10

Rain delays, therefore, will only be considered when the number of days in any month in which rainfall, as recorded by the weather bureau as .10 inch or greater, exceeds the number of days shown. Notwithstanding the days shown on the monthly report, time extensions for rain days will only be considered based upon actual conditions at the Project Site. If, in the opinion of the Contractor, adverse weather causes unsuitable conditions that prevent the Contractor from proceeding with the Work at any time during the term of this Contract, the Contractor shall submit written notification to the County's Representative within twenty-four (24) hours of the onset of said conditions. Notwithstanding the requirements of Section 18, the Contractor shall make a claim for time extension due to rain delays within five (5) calendar days of issuance of the NOAA monthly report.

SECTION SIX
Insurance Requirements

The Contractor, at its own expense, shall at all times during the term of the Contract, maintain insurance as required below. The County may contact the Contractor's insurer(s) or insurer(s)' agent(s) directly at any time regarding the Contractor's coverages, coverage amounts, or other such relevant and reasonable issues related to this Contract. The Contractor shall also require any subcontractors to carry the same coverages in the same amounts.

The County must be advised immediately of any changes in required coverages.

Contractor does hereby covenant, agree and hereby represent to the County that it has obtained worker's compensation insurance, general liability and automobile liability insurance, as well as providing coverage against potential liability arising from and in any manner relating to the Contractor's use or occupation of the premises during the course of performing the contracted services, all in accordance with and as described in the County's IFB 071020TE.

1. **INSURANCE REQUIREMENTS**: Prior to commencing work/delivery hereunder, contractor/vendor, at his expense, shall furnish insurance certification showing the certificate holder as Beaufort County, P. O. Drawer 1228, Beaufort, SC 29901, Attention: Risk Management Director, and with a special notation naming Beaufort County as an additional insured on the liability coverages. Minimum coverage shall be as follows:

1.1 Worker's Compensation Insurance – Contractor shall have and maintain, during the life of this contract, Worker's Compensation Insurance for his or her employees connected to the work/delivery, in accordance with the Statutes of the State of South Carolina and any applicable laws. Employers Liability minimum limits required \$500,000

1.2 Commercial General Liability Insurance - Contractor shall have and maintain, during the life of this contract, Commercial General Liability Insurance. Said Commercial General Liability Policy shall contain Contractual Liability and Products/Completed Operations Liability subject to the following minimum limits: \$1,000,000 Each Occurrence/ \$2,000,000 General Aggregate and \$2,000,000 Products/Completed Operations Aggregate naming Beaufort County as an additional insured.

1.3 Comprehensive Automobile Liability Insurance – The Contractor shall have and maintain, during the life of this contract, Comprehensive Automobile Liability, including non-owned and hired vehicles, of at least \$1,000,000 COMBINED SINGLE LIMIT.

1.3.1 ADDITIONAL INSURANCE REQUIREMENTS: Umbrella Liability Insurance – Contractor shall have and maintain, during the life of this contract, Umbrella Liability Insurance with a minimum limit of \$2,000,000

1.3.2: Professional Liability (Errors & Omissions): Professional Liability Insurance protects against losses that occur when a “professional” errors in judgement, planning, and design could result in economic loss to the entity or county. In order to determine if Professional Liability should be required ask yourself: Is the professional licensed or certified (i.e. architects, consultants, auditors, attorneys, engineers, etc.)? Required if a contractor is performing any type of design/build for a particular project.

The vendor shall maintain a limit no less than \$1,000,000 per occurrence:

1.4 The required insurance policy at the time of issue must be written by a company licensed to

- do business in the State of South Carolina and be acceptable to the County.
- 1.5 The Contractor/vendor shall not cause any insurance to be canceled or permit any insurance to lapse. All insurance policies shall contain a clause to the effect that the policy shall not be canceled or reduced, restricted or limited, until fifteen (15) days after the County has received written notice, as evidenced by return receipt of registered or certified letter. Certificates of Insurance shall contain transcript from the proper office of the insurer, the location, and the operations to which the insurance applies, the expiration date, and the above-mentioned notice of cancellation clause.
 - 1.6 The information described above sets forth minimum amounts and coverages and is not to be construed in any way as a limitation on the Contractor's liability.

SECTION SEVEN
Payment and Performance Security

The Contractor shall provide and maintain payment and performance bonds in the amount of 100% of total job amount, inclusive of change orders.

SECTION EIGHT
Compliance with Legal Requirements

All applicable federal, state and local laws, ordinances, and rules and regulations of any authorities (including, but not limited to, any laws, ordinances or regulations relating to the S.C. Department of Revenue or the S.C. Board of Contractors) shall be binding upon the Contractor throughout the pendency of the Work. The Contractor shall be responsible for compliance with any such law, ordinance, rule or regulation, and shall hold the County harmless and indemnify same in the event of non-compliance as set forth in the Contract.

By signing this Contract, the Contractor certifies that it will comply with the applicable requirements of Title 8, Chapter 14 of South Carolina Code of Laws (1976, as amended), and agrees to provide to the State upon request any documentation required to establish either: (a) that Title 8, Chapter 14 is inapplicable to the Contractor and its subcontractors or sub-subcontractors; or (b) that the Contractor and its subcontractors or sub-subcontractors are in compliance with Title 8, Chapter 14.

Pursuant to Section 8-14-60, "A person who knowingly makes or files any false, fictitious, or fraudulent document, statement, or report pursuant to this chapter is guilty of a felony and, upon conviction, must be fined within the discretion of the Court or imprisoned for not more than five years, or both."

The Contractor agrees to include in any contracts with subcontractors, language requiring subcontractors to (a) comply with applicable requirements of Title 8, Chapter 14, and (b) include in its contracts with the subcontractors language requiring the sub-subcontractors to comply with the applicable requirements of Title 8, Chapter 14.

The Contractor agrees to and shall certify agreement to abide by the requirements under Title VI of the Civil Rights Act of 1964, and other non-discrimination authorities under Federal Executive Order Number 11246, as amended, and specifically the provisions of the equal opportunity clause.

The Contractor shall comply with all federal, state and local laws, ordinances, rules and regulations of any authorities throughout the duration of this Contract. The Contractor shall be responsible for compliance with any such law, ordinance, rule or regulation, and shall hold County harmless and indemnify same in the event of non-compliance.

SECTION NINE
Drug-free Workplace Act

The Contractor shall comply with the South Carolina Drug-free Workplace Act, Section 44-107-10 et seq., S.C. Code of Laws (1976, as amended). The County requires all Contractors executing contracts for a stated or estimated value of \$50,000 or more to sign a Drug-free Workplace Certification form prior to the issuance of the Notice to Proceed.

SECTION TEN
Material and Workmanship: Warranties and Representations

The Contractor represents that its staff is knowledgeable about and experienced in performing the Work required in this Contract and warrants that it will use best skill and attention to provide above described Work in a professional, timely manner.

Contractor warrants and represents that it shall be responsible for all subcontractors working directly for it, as well as for their Work product, as though Contractor had performed the Work itself.

- A. All equipment, materials and articles incorporated in the Work covered by the Contract and supplied by the Contractor are to meet the applicable SCDOT Standard Specifications, unless otherwise stated herein. Unless otherwise specifically provided in this Contract, reference to any equipment, material, article or patented process, by trade name, make or catalog number, shall not be construed as limiting competition. When requested, the Contractor shall furnish to the Purchasing Director, for approval the name of the manufacturer, the model number, and other identifying data and information respecting the performance, capacity, nature and rating of the machinery and mechanical and other equipment that the Contractor contemplates incorporating in the Work. When required by this Contract or when called for by the Purchasing Director, the Contractor shall provide full information concerning the material or articles which he contemplates incorporating in the Work. When so directed, samples shall be submitted for approval at the Contractor's expense, with all shipping charges prepaid. Machinery, equipment, material and articles installed or used without the required prior approval of the County shall be at the risk of subsequent rejection by the County.
- B. Any and all manufacturers' warranties on any equipment or materials will be passed on to the County and copies of said warranties will be furnished by the Contractor to the County upon completion and final acceptance of the Project.
- C. The Purchasing Director may, in writing, require the Contractor to remove from the Worksite any employee the Project Manager deems incompetent, careless or otherwise objectionable.
- D. In addition to any manufacturer's warranties, all workmanship and materials are warranted to be free from defects for a period of twelve (12) months after the date of Final Payment by the County.

SECTION ELEVEN
Retention of Records

The Contractor agrees to maintain for three (3) years from the date of Final Payment, or until the end of any audit or closure of all pending matters under this Contract, whichever is later, all books, documents, papers, and records pertinent to this Contract. The Contractor agrees to provide to the County, any federal grantor agency, the Comptroller General of the United States, any state grantor agency, any assignee, or any of their duly authorized representatives access to such books, documents, papers, and records for the purpose of examining, auditing, and copying them. The Contractor further agrees to include these provisions in any subcontracts issued in connection with this Contract.

SECTION TWELVE
State and Local Taxes

Except as otherwise provided, Contract prices shall include all applicable state and local taxes.

The Contractor shall calculate that portion of the Contract that is subject to the total South Carolina and local sales and/or use tax, which amount shall be itemized and shown on all invoices, and shall be paid to the SCDOR by the Contractor. If the Contractor is a non-South Carolina company, the County will withhold said amount from all invoices and remit payment to the SCDOR, unless Contractor furnishes County with a valid South Carolina Use Tax Registration Certificate Number.

The Contractor shall indemnify and hold harmless the County for any loss, cost, or expense incurred by, levied upon or billed to the County as a result of the Contractor's failure to pay any tax of any type due in connection with this Contract.

The Contractor shall ensure that the above sections are included in all subcontracts and sub-subcontract and shall ensure withholding on out of state sub and sub-subcontractors to which withholding is applicable.

SECTION THIRTEEN
Independent Contractor

The Contractor is an independent contractor and shall not be deemed the agent or employee of the County for any purpose whatsoever. The Contractor shall not hold himself out as an employee of the County, and shall have no power or authority to bind or obligate the County in any manner, except the County shall make payment to the Contractor for Work and expenses as herein provided. The Contractor shall obtain and maintain all licenses and permits required by law for performance of this Contract by him or his employees, agents, and servants. The Contractor shall be liable for and pay all taxes required by local, state or federal governments, including but not limited to social security, Workers' Compensation, employment security, and any other taxes and licenses or insurance premiums required by law. No employee benefits of any kind shall be paid by the County to or for the benefit of the Contractor or its employees, agents, or servants by reason of this Contract.

SECTION FOURTEEN
Inspection and Acceptance, No-Claim Affidavits

- A. All Work (which term includes, but is not restricted to materials, workmanship, manufacture and fabrication of components) shall be subject to inspection and test by the County at all reasonable times and places prior to acceptance. Any such inspection and test is for the sole benefit of the

County and shall not relieve the Contractor of the responsibility of providing quality supplies to comply with the Contract requirements. No inspection or test by the County shall be construed as constituting or implying acceptance of Work. Inspection or test shall not relieve the Contractor of the responsibility for damage to or loss of the material prior to acceptance, nor in any way affect the continuing rights (including warranty rights) of the County after acceptance of the completed Work. The Contractor shall conduct and pay for all tests required in the Scope of Work.

- B. The Contractor shall, without charge, replace any material or correct any workmanship found by the County not to conform to the Contract requirements, unless the County consents in writing to accept such material and workmanship with an appropriate adjustment in Contract Price. The Contractor shall promptly remove rejected material from the premises.
- C. Upon completion and acceptance of all Work, the Contractor shall provide the Project Manager with written affidavits. Such affidavits shall state that all claims arising by virtue of the Contract have been paid in full with any exceptions listed on such affidavits.
- D. Final acceptance of the completed project will be upon final payment to the Contractor. Upon final acceptance, the workmanship and material warranty period will begin.

SECTION FIFTEEN

Cleanup Work

- A. During progress of Work, Contractor will keep the Work Site and affected adjacent areas cleaned up. The Contractor will remove all rubbish, surplus materials, surplus excavates, and unneeded construction equipment so that the Work Site will be inconvenienced as little as possible.
- B. Where materials or debris have washed or flowed into or have been placed in existing watercourses, ditches, gutters, drains, pipes, or structures by work done under this Contract, the Contractor will remove and dispose of such material or debris during the progress of the Work.
- C. Upon completion of Work, the Contractor will leave all ditches, channels, drains, pipes, structures and work, etc. in a clean and neat condition.
- D. The Contractor will remove all debris from any grounds that have been occupied by the Contractor and leave the roads and all parts of the premises and adjacent site affected by the Contractor's operations in a neat and satisfactory condition.
- E. The Contractor will restore or replace, when and as directed, any public or private property damage by the Contractor's work, equipment or employees to a condition at least equal to that existing immediately prior to the beginning of the operations.

SECTION SIXTEEN

Conditions Affecting the Work

- A. The Contractor shall be responsible for having taken steps reasonably necessary to ascertain the nature and location of the Work and the general and local conditions which can affect the Work or the cost thereof. Any failure by the Contractor to do so will not relieve it from responsibility for successfully performing the Work without additional expense to the County. The County assumes

no responsibility for any understandings or representations concerning conditions or anything related to this Contract, made by any of its officers or agents prior to the execution of this Contract, unless such understandings or representations by the County are expressly stated in this Contract.

- B. The Contractor has visited and inspected the Work Site and accepts the conditions at the Work Site as they eventually may be found to exist and warrants and represents that this Contract can and will be performed under such conditions, and that all materials, equipment, labor and other facilities required because of any unforeseen conditions (physical or otherwise) shall be wholly at the Contractor's own cost and expense, anything in this Contract to the contrary notwithstanding.

SECTION SEVENTEEN
Safety of Persons and Property

- A. The following provisions are in addition to those pertinent sections contained in the standard specifications.
- B. The Contractor shall take reasonable precautions for safety of, and shall provide reasonable protection to prevent damage, injury or loss to:
 - (i) Employees on the Work Site and other persons who may be affected thereby; and
 - (ii) The Work and materials and equipment to be incorporated therein, whether in storage on or off the site, under care, custody or control of the Contractor or the Contractor's subcontractors or sub-subcontractors; and
 - (iii) Other property at the site or adjacent thereto, such as trees, shrubs, lawns, walks, pavements, roadways, structures and utilities not designated for removal, relocation or replacement in the course of construction.
- C. The Contractor shall give notices and comply with applicable laws, ordinances, rules, regulations and lawful orders of public authorities bearing on safety of persons or property or their protection from damage, injury or loss.
- D. The Contractor shall erect and maintain, as required by existing conditions and performance of the Contract, reasonable safeguards for safety and protection, including posting and maintaining danger signs and other warnings against hazards as long as such hazards exist. The Contractor shall also promulgate safety regulations and notify owners and users of adjacent sites and utilities of all construction and related activities.
- E. When use or storage of explosives or other hazardous materials or equipment or unusual methods are necessary for execution of the Work, the Contractor shall exercise utmost care and carry on such activities under supervision of properly qualified personnel.
- F. The Contractor shall promptly remedy damage and loss (whether such damage or loss is insured under property insurance required by the Contract Documents or not) to property caused in whole or in part by the Contractor, a subcontractor, a sub-subcontractor, or anyone directly or indirectly employed by any of them, or by anyone for whose acts they may be liable and for which the Contractor is responsible except damage or loss attributable to acts or omissions of the County or anyone directly or indirectly employed by it, or by anyone for whose acts the County may be liable,

and not attributable to the fault or negligence of the Contractor. The foregoing obligations of the Contractor are in addition to the Contractor's obligations under Section 24, Indemnification, herein.

- G. The Contractor shall designate a responsible member of the Contractor's organization at the site whose duty shall be the prevention of accidents. This person shall be the Contractor's superintendent unless otherwise designated by the Contractor in writing to the County.
- H. The Contractor shall not load or permit any part of the construction or site to be loaded so as to endanger its safety.
- I. In an emergency affecting safety of persons or property, the Contractor shall act, at the Contractor's best discretion, to prevent threatened damage, injury or loss.

SECTION EIGHTEEN

Change Orders

One or more changes to the Work within the general scope of this Contract may be ordered by change order. The County may also issue construction change directives, as set forth below. The Contractor shall proceed with any such changes, and same shall be accomplished in strict accordance with the following terms and conditions:

- A. Change orders shall be submitted on the forms and pursuant to the procedures of the County. Change order shall mean a written order to the Contractor executed by the County after execution of this Contract, directing a change in the Work. A change order may include a change in the Contract Price, (other than a change attributable to damages to the Contractor for delay, which the Parties agree are not allowed under this Contract) or the time for the Contractor's performance, or any combination thereof. Where there is a lack of total agreement on the terms of a change order, the County may also direct a change in the Work in the form of a construction change directive, which will set forth the change in the Work and the change, if any, in the Contract Price or time for performance, for subsequent inclusion in a Change order.
- B. If applicable, any change in the Contract Price resulting from a Change order shall be determined by use of the Unit Prices set forth in the Contractor's bid.
- C. The execution of a Change order by the Contractor shall constitute conclusive evidence of the Contractor's contract to the ordered changes in the Work, this Contract as thus amended, the Contract Price, and the time for performance by the Contractor. The Contractor, by executing the Change order, waives and forever releases any claim against the County for additional time or compensation for matters relating to or arising out of or resulting from the Work included within or affected by the executed Change order.
- D. The Contractor shall notify and obtain the consent and approval of the Contractor's surety with reference to all Change orders if such notice, consent or approval is required by the County, the Contractor's surety or by law. The Contractor's execution of the Change order shall constitute the Contractor's warranty to the County that the surety has been notified of, and consents to, such Change order and the surety shall be conclusively deemed to have been notified of such Change order and to have expressly consented thereto.

SECTION NINETEEN
Claims and Disputes

- A. Definition. A Claim is a demand or assertion by one of the Parties seeking, as a matter of right, adjustment or interpretation of Contract terms, payment of money, and extension of time or other relief with respect to the terms of the Contract. The term "Claim" also includes other disputes and matters in question between the County and the Contractor arising out of or relating to the Contract. Claims must be made by written notice. The responsibility to substantiate Claims shall rest with the Party making the Claim. Following all limits and procedures herein shall be a condition precedent to the Contractor's entitlement to any increased compensation from any claim.
- B. Time Limits on Claims. Claims by either Party must be made within ten (10) business days after occurrence of the event giving rise to such Claim or within ten (10) business days after the claimant first recognizes the condition giving rise to the Claim, whichever is later. An additional Claim made after the initial Claim has been implemented by change order will not be considered.
- C. Continuing Contract Performance. Pending final resolution of a Claim request for review of site conditions, request for information, or resolution of a dispute, unless otherwise agreed in writing the Contractor shall proceed diligently with performance of the Contract and the County shall continue to make payments in accordance with the Contract Documents.
- D. Waiver of Claims: Final Payment. The making of Final Payment shall constitute a waiver of Claims by the County except those arising from:
1. Liens, Claims, security interests or encumbrances arising out of the Contract and unsettled;
 2. Failure of the Work to comply with the requirements of the Contract Documents; or
 3. Terms of special warranties required by the Contract Documents.
- E. Claims for Additional Costs. If the Contractor wishes to make Claim for an increase in the Contract Sum, written notice as provided herein shall be given before proceeding to execute the Work. Prior notice is not required for Claims relating to an emergency endangering life or property arising under Section 17(I). If the Contractor believes additional cost is involved for reasons including but not limited to (1) an order by the County to stop the Work where the Contractor was not at fault, (2) a written order for a minor change in the Work, (3) failure of payment by the County, (4) termination of the Contract by the County, (5) other reasonable grounds, Claim shall be filed in accordance with the procedures established herein.
- F. Claims for Additional Time. See Section Five herein.
- G. Injury or Damage to Person or Property. If either Party to the Contract suffers injury or damage to person or property because of an act or omission of the other Party, of any of the other Party's employees or agents, or of others for whose acts such Party is legally liable, written notice of such injury or damage, whether or not insured, shall be given to the other Party within a reasonable time not exceeding Ten (10) Business Days after first observance. The notice shall provide sufficient detail to enable the other Party to investigate the matter. If a Claim for additional cost or time related to this Claim is to be asserted, it shall be filed as provided herein.

SECTION TWENTY
Damages for Delay

The Contractor agrees that if the Work, or any part thereof, is not completed within the time agreed upon in this Contract or any extension thereof, the Contractor or its sureties shall be liable to the County in the amount specified below for each and every calendar day the completion of the Work is delayed beyond the calendar date in this Contract, as fixed and agreed liquidated damages and not as a penalty; and the County shall have the right to deduct from and retain out of monies which may be then due or which may become due and payable to the Contractor, the amount of such liquidated damages; and if the amount so retained by the County is not sufficient to pay in full such liquidated damages, the Contractor shall pay to the County or its sureties the amount necessary to effect payment in full of such liquidated damages.

Any adjustment of the Contract time for completion of the Work granted in accordance with the provisions of this Contract will be considered in the assessment of liquidated damages.

Permitting the Contractor to continue and finish the Work or any part of it after the time fixed for its completion, or after the date to which the time for completion may have been extended, will in no way operate as a waiver on the part of the County of any of its rights under this Contract.

Schedule of Liquidated Damages for Each Day of Overrun in Contract Time:

Schedule of Liquidated Damages for Each Day of Overrun in Contract Time		
Original Contract Amount		Daily Charge per Calendar Day at Fixed Rate
From More Than	To and Including	
\$0	\$50,000	\$100.00
\$50,000	\$100,000	\$200.00
\$100,000	\$500,000	\$400.00
\$500,000	\$1,000,000	\$600.00
\$1,000,000	\$2,000,000	\$800.00
\$2,000,000	\$5,000,000	\$1,200.00
\$5,000,000	\$10,000,000 and	\$1,400.00
\$10,000,000	greater	\$1,800.00

Additional provisions concerning the Contractor's liability in certain specific events or circumstances are set forth throughout the Scope of Work. By signing this Contract, the Contractor expressly agrees to the terms thereof.

SECTION TWENTY-ONE
Suspension of Work

The Purchasing Director may order, in writing, the Contractor to suspend, delay, or interrupt all or any part of the Work for such period of time as he may determine to be appropriate for the convenience of the County. The County may suspend performance of its obligations under this Contract in good faith for the convenience of the County or to investigate matters arising in the Work.

The Purchasing Director may order suspension of the Work in whole or in part for such time as he deems necessary because of the failure of the Contractor to comply with any of the requirements of this Contract, and the Contract's completion date shall not be extended on account of any such suspension of Work.

When the Purchasing Director orders any suspension of the Work under the paragraph above, the Contractor shall not be entitled to any payment for Work with respect to the period during which such Work is suspended and shall not be entitled to any costs or damages resulting from such suspension.

The rights and remedies of the County provided in this Section are in addition to any other rights and remedies provided by law or under this Contract.

SECTION TWENTY-TWO
Modification of Contract

The County's Purchasing Director has the unilateral right to modify this Contract, within the general scope of the Work or the Project, when the modification is in the best interest of the County, provided however, the Contractor is given written notice of any such modification and the County is responsible for paying Contractor for any additional expenses incurred by Contractor that relate to the modification. Subject to the above, the Contractor shall immediately notify the County in writing of any proposed adjustment in its fee. The Contractor is obligated to perform the revised contract when so directed by the Purchasing Director and the County is obligated to pay for the work performed pursuant to the modification. No claim by the Contractor for an adjustment hereunder shall be allowed if asserted after Final Payment under this Contract.

SECTION TWENTY-THREE
Termination

A. For Convenience

The Purchasing Director, by advance written notice, may terminate this Contract when it is in the best interests of the County. If this Contract is so terminated, the Contractor shall be compensated for all necessary and reasonable direct costs of performing the Work actually accomplished. The Contractor will not be compensated for any other costs in connection with a termination for convenience. The Contractor will not be entitled to recover any damages in connection with a termination for convenience.

B. For Default

If the Contractor refuses or fails to perform the Work or any separable part thereof in a timely or workmanlike manner in accordance with the Contract Documents, or otherwise fails, in the sole opinion of the County, to comply with any of the terms and conditions of the Contract Documents deemed, in the sole opinion of the County, to be material (including, without limitation, the requirement that Contractor obtain and maintain in force all necessary permits), such refusal or failure shall be deemed a default under this Contract.

In the event of a default under this Section, the County shall have the right to terminate forthwith this Contract by written notice to the Contractor. In the event of such default, the advance notice period for termination is waived and the Contractor shall not be entitled to any costs or damages resulting from a termination under this section.

Whether or not the Contractor's right to proceed with the Work is terminated, it and its sureties shall be liable for any damage to the County resulting from Contractor's default. Any wrongful termination for default shall be deemed by the Parties a termination for convenience.

B. Termination for Non-Appropriation of Funds

The Purchasing Director, by written advance notice, may terminate this Contract in whole or in part in the event that sufficient appropriation of funds from any source (whether a federal, state, County or other source) are not made or sufficient funds are otherwise unavailable, in either case, to pay the charges under this Contract. If this Contract is so terminated, the Contractor shall be compensated for all necessary and reasonable direct costs of performing the Work actually provided to the date of such termination. The Contractor will not be compensated for any other costs in connection with a termination for non-appropriation. The Contractor will not be entitled to recover any damages in connection with a termination for non-appropriation, including, but not limited to, lost profits.

C. Rights Cumulative

The rights and remedies of the County provided in this Section are in addition to any other rights and remedies provided by law or under this Contract.

SECTION TWENTY-FOUR
Indemnification

Except for expenses or liabilities arising from the negligence or intentional acts of the County, the Contractor hereby expressly agrees to indemnify and hold the County harmless against any and all expenses and liabilities arising out of the negligent performance, action or inaction of the Contractor in conduct of this Contract, as follows:

For matters other than those arising from the rendering or failure to render professional services, the Contractor expressly agrees to the extent that there is a causal relationship between its negligence, action or inaction, or the negligence, action or inaction of any of its employees or any person, firm or corporation directly or indirectly employed by the Contractor and any damage, liability, injury, loss or expense (whether

in connection with bodily injury or death or property damage) that is suffered by the County and/or its officers or employees or by any member of the public, to indemnify and save the County and its officers and employees harmless against any and all liabilities, penalties, demands, claims, lawsuits, losses, damages, costs, and expenses arising out of the negligence, action or inaction of the Contractor, regardless of whether such liabilities, penalties, demands, claims, lawsuits, losses, damages, costs and expenses are caused in part by the County. Such costs are to include, without limitation, defense, settlement and reasonable attorney's fees incurred by the County and its employees. This promise to indemnify shall include, without limitation, bodily injuries or death occurring to the Contractor's employees and any person, directly or indirectly employed by the Contractor (including, without limitation, any employee of any subcontractor), the County's officers or employees, the employees of any other independent contractors, or occurring to any member of the public. When the County submits notice, Contractor shall promptly defend any aforementioned action.

The limits of insurance required in this Contract shall not limit the Contractor's obligations under this Section. The terms and conditions contained in this Section shall survive the termination of the Contract or the suspension of the Work hereunder. To the extent that any liabilities, penalties, demands, claims, lawsuits, losses, damages, costs and expenses are caused in part by the acts of the County, the Contractor's obligations shall be reduced in proportion to the County's fault. The obligations herein shall also extend to any actions by the County to enforce this indemnity obligation. The recovery of costs and fees shall extend to those incurred in the enforcement of this indemnity.

SECTION TWENTY-FIVE

Gratuities and Kickbacks

Gratuities. It shall be unethical for any person to offer, give or agree to give any employee or former employee, or for any employee or former employee to solicit, demand, accept, or agree to accept from another person a gratuity or an offer of employment in connection with any decision, approval, disapproval, recommendation, preparation or any part of a program requirement or a purchase request, influencing the content of any specification or procurement standard, rendering of advice, investigation, auditing, or in any other advisory capacity in any proceeding or application, request for ruling, determination, claim or controversy, or other particular matter pertaining to any program requirement of a contract or subcontract, or to any solicitation or proposal therefore.

Kickbacks. It shall be unethical for any payment, gratuity, or offer of employment to be made by or on behalf of a subcontractor under a contract to the prime contractor, or to hire any subcontractor or any person associated therewith, as an inducement for the award of a subcontract or order.

Violation of this clause may result in Contract termination.

SECTION TWENTY-SIX

Labor: Subcontractors: Employment Consideration

The Contractor shall not contract with a proposed person or entity to whom the County has made reasonable and timely objections. The Contractor shall not be required to contract with anyone to whom the Contractor has made reasonable and timely objection.

The Contractor shall enforce strict discipline and good order among its employees and other persons carrying out the Contract.

Employment of labor by Contractor shall be effected under conditions which are satisfactory to County. Contractor shall remove or cause to have removed from the project any employee or employees who are considered unsatisfactory by the County.

The Contractor assumes the responsibility for assuring that its working forces are compatible with other forces on the job, and the Contractor is responsible for making himself aware of those forces. The Contractor will furnish a competent representative who is to be kept available to the site to represent the Contractor for the purpose of receiving notices, orders and instruction.

SECTION TWENTY-SEVEN

Other Contracts

The County reserves the right to undertake or award other contracts for additional work/services, and may elect to complete portions of the work/services included in this Contract using its own forces or through other contracts, and the Contractor shall fully cooperate with such other contractors, County employees and carefully fit its own work/services to such work/services as may be directed by the County. The Contractor shall not commit or permit any act by its forces or subcontractors which will interfere with the performance of work/services by any other contractor or by County.

SECTION TWENTY-EIGHT

Permits and Licenses

The Contractor shall, without additional expense to the County, be responsible for obtaining and maintaining all necessary licenses and permits required by the State of South Carolina, a municipality or the County or any other authority having jurisdiction. Prior to execution of a contract, the Contractor may be required to provide a copy of its current applicable Contractor's License issued by the State of South Carolina and the County. Any subcontractor must comply with the regulations promulgated in the South Carolina Contractor's Licensing Board as enforced by the South Carolina Licensing Board for Contractors. Contractor's (and or any subcontractor's) License Number, Person's Name and Business Name must all be shown on all required licenses.

SECTION TWENTY-NINE

Assignment

The Contractor shall not assign in whole or in part the Contract without the prior written consent of the County or its Assignee. The Contractor shall not assign any money due or that may become due to it under said Contract without the prior written consent of the County or its Assignee. Each Party binds itself, its successors, assigns, executors, administrators or other representatives to the other Party hereto and to successors, assigns, executors, administrators or other representatives of such other Party in connection with all terms and conditions of the Contract.

SECTION THIRTY
Controlling Law

The laws of South Carolina shall govern this Contract. All litigation arising under this Contract shall be litigated only in a nonjury hearing in the Court of Common Pleas, Fourteenth Judicial Circuit, Beaufort County, South Carolina.

SECTION THIRTY-ONE
Severance

Should any part of this Contract be determined by a Court of competent jurisdiction to be invalid, illegal, or against public policy, said offending Section shall be void and of no effect and shall not render any other Section herein, nor this Contract as a whole, invalid.

SECTION THIRTY-TWO
County's Designated Representative(s)

In the event that any questions or problems arise in the course of performing this Contract, Contractor shall immediately contact one or more of the following County representatives:

Beaufort County Traffic and Transportation Engineering Department
David Thomas, Director
Beaufort County Purchasing Department
P.O. Drawer 1228
Beaufort, South Carolina 29901
843-255-2304

SECTION THIRTY-THREE
Notices

Whenever any provision of this contract requires the giving of written notice, it shall be deemed to have been validly given if delivered by person or by registered mail to the following:

If to the County:

David Thomas, Director
Beaufort County Purchasing Department
P.O. Drawer 1228
Beaufort, South Carolina 29901
843-255-2304

If to the Contractor:

Contractor Name
Contractor Address
City, State, Zip

SECTION THIRTY-FOUR
Non-Waiver

Any waiver of any default by either Party to this Contract shall not constitute waiver of any subsequent default, nor shall it operate to require either Party to waive, or entitle either Party to a waiver of, any subsequent default hereunder.

SECTION THIRTY-FIVE
Entire Contract

This Contract constitutes the entire understanding and Contract between the Parties hereto and supersedes all prior and contemporaneous written and oral contracts between the Parties and their predecessors in interest regarding the subject matter of this Contract. This Contract may not be changed, altered, amended, modified, or terminated orally, except as specifically provided, and any such change, alteration, amendment, or modification must be in writing and executed by the Parties hereto.

IN WITNESS WHEREOF, the Parties executed this Contract under their several seals the day and year first written above.

CONTRACTOR:

**BEAUFORT COUNTY, SOUTH
CAROLINA:**

Name:
Title:

Ashley Jacobs
County Administrator

Attest:

Attest:

1) 1) _____

2) 2) _____

At Beaufort, SC

END

IFB# _____

FINAL AFFIDAVIT TO BEAUFORT COUNTY, SOUTH CAROLINA

I, hereby certify that all suppliers of materials, equipment and service, subcontractors, mechanics, and laborers employed by

or any of his subcontractors in connection with the construction of _____
at Beaufort County have been paid and satisfied in full as of _____, 20____,
and that there are no outstanding obligations or claims of any kind for the payment of which
Beaufort County on the above named project might be liable, or subject to, in any lawful
proceeding at law or in equity.

Signature _____

Title _____

Personally appeared before me this _____ day of _____, 20_____.

_____, who under oath deposes and says that he is
_____ of the firm of _____
that he has read the above statement and that to the best of his knowledge and belief same is an
exact true statement.

Notary Public _____

My Commission Expires _____

General Conditions

STANDARD GENERAL CONDITIONS OF THE
BEAUFORT COUNTY, SOUTH CAROLINA CONSTRUCTION CONTRACT

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ARTICLE 1
GENERAL PROVISIONS

1.1 BASIC DEFINITIONS

APPLICABLE CODE REQUIREMENTS - The term “Applicable Code Requirements” means all laws, statutes, the most recent building codes, ordinances, rules, regulations, and lawful orders of all public authorities having jurisdiction of the County, Contractor, and Subcontractor, the Project site, the Work, or the prosecution of the Work.

APPLICATION FOR PAYMENT - The term “Application for Payment” means the submittal from the Contractor wherein payment for certain portions of the Work is requested in accordance with Article 9.

BIDDER – The term “bidder” means one who submits a Bid directly to Owner, as distinct from a sub-bidder, who submits a bid to a Bidder.

BENEFICIAL OCCUPANCY - The term “Beneficial Occupancy” means the County’s right to make use of or otherwise occupy any part of the Work in accordance with Article 9.

CERTIFICATE FOR PAYMENT - The term “Certificate for Payment” means the approval of Contractor Application for Payment in accordance with Article 9.5.

CHANGE ORDER - The term “Change Order” means a Contract Document authorizing one of more of the following: a change in the Work, and adjustment in the Contract Sum, an adjustment in the Contract Time in accordance with Article 9.

CLAIM – See paragraph 4.3, Claims, of the General Conditions.

CONTRACT - The terms “Contract” means the written agreement between the Contractor and the County set forth in the Contract Documents.

CONTRACT DOCUMENTS - The “Contract Documents” consist of all documents listed in Article 5 of the Agreement.

CONTRACT MODIFICATION - The term “Contract Modification” means an executed Change Order.

CONTRACT PRICE - The term “Contract Price” means the amount of compensation payable by the County for completion of the Work in accordance with the Contract Documents.

CONTRACT SCHEDULE - The term “Contract Schedule” means the graphical representation of a practical plan to complete the Work within the Contract Time in accordance with Article 3.

CONTRACT TIME - The term “Contract Time” means the number of days set forth in the Agreement within which full completion of the Work must be achieved.

CONTRACTOR - The term “Contractor” means the person or firm identified as such in the Agreement and is referred to throughout the Contract Documents as if singular in number.

COUNTY – The term “County” means Beaufort County, South Carolina.

COUNTY’S REPRESENTATIVE – The term “County’s Representative” means the person or firm identified as such in the Agreement.

DAY - The term “day” as used in the Bidding Requirements and the Contract Documents shall mean calendar day, unless otherwise specifically stated.

DEFECTIVE WORK - The term “defective Work” means work that is unsatisfactory, faulty, omitted, incomplete, deficient, or does not conform to the requirements of the Contract Documents, directives of the County’s Representative, or the requirements of any inspection, reference standard, test, or approval specified in the Contract Documents.

DRAWINGS - The term “Drawings” means the graphic and pictorial portions of the Contract Documents showing the design, location, and dimensions of the Work, generally including plans, elevations, sections, details, schedules, and diagrams. The Drawings are listed in the List of Drawings.

EXCUSABLE DELAY – The term “Excusable Delay” means a delay that entitles the Contractor to an adjustment of the Contract Time but not an adjustment to the Contract Price, pursuant to Articles 7 and 8 of the General Conditions.

EXTRA WORK – The term “Extra Work” means Work beyond or in addition to the Work required by the original Contract Documents, pursuant to Article 7 of the General Conditions.

FIELD ORDER – The term “Field Order” means a written order by the County which requires minor changes in the Work but does not involve a change in the Contract Price or Contract Times.

FINAL COMPLETION - The term “Final Completion” means the point at which the Work has been fully completed in accordance with the Contract Documents as determined by the County Engineer.

GENERAL CONDITIONS - The term “General Conditions” refers to the General Conditions of the Construction Contract, as included in the Contract Documents.

GENERAL REQUIREMENTS – The term “General Requirements” means the General Requirements of the Specifications which is the part of the Contract Document which amends or supplements the General Conditions with regard to Specifications.

PROJECT - The term “Project” means the total construction of which the Work performed under the Contract Documents may be the whole or part and which may include construction by separate contractors and/or the County. The Project may be identified by name, location, and/or project number in the Contract Documents.

SEPARATE CONTRACTOR - The TERM “Separate Contractor” means a person or firm under separate contract with the County performing other work at the project site which affects the Work performed under the Contract Documents.

SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES - See Paragraph 3.11, Shop Drawings, Product data, and Samples, of the General Conditions

SPECIFICATIONS - The term “Specifications” means that portion of the Contract Documents consisting of the written requirements for materials, equipment, construction systems, standards and workmanship for the work, and performance of related services.

SUBCONTRACTOR - The term “Subcontractor” means a person or firm that has a contract with the Contractor or with a Subcontractor to perform a portion of the Work. Unless otherwise specifically provided, the term Subcontractor includes subcontractors of all tiers.

SUBSTANTIAL COMPLETION - See Paragraph 9.8, Substantial Completion, of the General Conditions

SUCCESSFUL BIDDER – The term “Successful Bidder” means the lowest, qualified, responsible and responsive Bidder to whom Owner makes an award.

SUPERINTENDENT - The term “Superintendent” means the person designated by Contractor to represent Contractor at the Project site in accordance with Article 3.

TIER - The term “tier” means the contractual level of a Subcontractor or supplier with respect to the Contractor. For example, a first-tier Subcontractor is under subcontract with the Contractor, or a second-tier Subcontractor is under subcontract with the first-tier Subcontractor, and so on.

UNEXCUSABLE DELAY - The term “Inexcusable Delay” means a delay that does not entitle the Contractor to an adjustment of the Contract Sum and does not entitle the Contractor to an adjustment of the Contract Time.

WORK - The term “Work” means the construction and services required by the Contract Documents as modified by Change Order, whether completed or partially completed, and includes all labor, materials, equipment, tools, and services provided or to be provided by Contractor to fulfill Contractor’s obligations. The Work may constitute the whole or a part of the project.

WORK CHANGE DIRECTIVE – See paragraph 7.4, Work Change Directive, of the General Conditions.

1.2 Contract Document Interpretation

A. The Contract Documents are complementary and what is called for by one shall be as binding as if called for by all. except as may be otherwise stated in the Contract Documents, the provisions of the Contract Documents shall take precedence in resolving any conflict, error, ambiguity, or discrepancy between the Contract Documents and the provisions of any standard, specification, manual, code or instruction incorporated by reference into the Contract Documents , or the provisions of any Laws or Regulations applicable to the performance of the Work unless such an interpretation would result in violation of such Law or regulation. If there is any conflict between the provisions of the Contract Documents and any referenced provisions, the language of the Contract Documents will take precedence over that of any standard specification, manual or code.

B. The following order of precedence shall govern the resolution of any disputes or ambiguities arising from this contract and the mutual intent of the parties (in order of priority). The Beaufort County Procurement Code will prevail over the Special Supplementary Conditions of this contract. Special and Supplementary Conditions of this contract will prevail over the standard form of agreement; the modified standard form of agreement shall prevail over the specifications, and the specifications shall prevail over the drawings and general conditions.

C. The Contract Documents are intended to include and require all items which are necessary for the proper execution and completion of the Work.

D. Interpretations of the Drawings and Specifications and their intent, which are necessary to the proper execution, and completion of the Work will be made by the County’s Representative or Architect/Engineer. Words which have well known technical or trade meanings are to be interpreted in accordance with such recognized meanings. Contractor shall refer issues concerning interpretation and compliance with the contract documents and plans and specifications to the County’s Representative in writing, or the architect/engineer in writing. The County’s Representative or Architect/Engineer will review such requests with reasonable promptness and within any time limits agreed upon. The County may consider the interpretation and decision of the Architect/Engineer and issue a decision after consultation with the Architect/Engineer. Failure by the claimant to give written notice as set forth above within thirty days shall result in Architect/Engineer’s decision being final and binding upon the County and Contractor. The County’s decision shall be final.

E. The organization of the Specifications into divisions, sections, or articles, and the arrangement of the Drawings shall not control the Contractor in dividing the Work among Subcontractors or in establishing the extent of work to be performed by any trade.

F. In the event of an inconsistency between Drawings and Specifications or within either document, the better quality or greater quantity of work shall be provided, at no additional cost to the Owner.

ARTICLE 2

COUNTY

2.1 Provided by the County

The County shall furnish survey's describing the physical characteristics and legal limitations required to perform the Work. The Contractor shall be responsible for laying out the Work, shall protect and preserve the established reference points and property monuments, and shall make no changes or relocations without the prior written approval of the County. Contractor shall report to the County's representative or Engineer whenever any reference point or property monument is lost or destroyed or requires relocation because of necessary changes in grades or locations, and shall be responsible for the accurate replacement or relocation of such reference points or monuments by professionally qualified personnel. As for utility locations for the contract site, the Contractor is encouraged to contact independent utility locators, such as Palmetto Utility Locations (1-800-922-0983), to verify and locate utilities. The Contractor shall bear all costs and all risks for proper location and/or damage or destruction to utilities in place.

2.1 Right to Stop the Work

The County may at any time and without cause suspend the Work or any portion thereof by notice in writing to the Contractor which will fix the date on which Work will be resumed. Contractor shall resume the Work on the date so fixed. Contractor shall be allowed an extension of the Contract Times.

2.2 Right to Carry Out the Work

If the Contractor fails to carry out the Work in accordance with the Contract Documents, fails to provide sufficient labor, materials, equipment, tools, and services to maintain the Contract Schedule, or otherwise fails to comply with any material term of the Contract Documents, and fails within 2 working days after receipt of notice from the County to promptly commence and thereafter diligently continue to completion the correction of such failure, the County may, without prejudice to other remedies the County may have, correct such failure at Contractor's expense. In such case, the County will be entitled to deduct from payments then or thereafter due Contractor the cost of correcting such failure, including compensation for the additional services and expenses of the County's Representative, Engineer, and County's consultants made necessary thereby. If payments then or thereafter due Contractor are not sufficient to cover such amounts, Contractor shall pay the additional amount to the County.

ARTICLE 3

CONTRACTOR

3.1 Review of Contract Documents and Field Conditions by Contractor

A The Contractor shall carefully study and compare each of the Contract Documents with the others and with the information furnished by the County, and shall promptly report in writing to the County's Representative any errors, inconsistencies, or omissions in the Contract Documents. Contractor shall take field measurements, verify field conditions, and carefully compare with the Contract Documents such field measurements, conditions, and other information known to the Contractor before commencing Work. If the Contractor performs any construction activity which Contractor knows or should know involves an error, inconsistency, or omission without notifying and obtaining the written consent of the County's Representative, the Contractor shall be responsible for the resultant losses, including without limitation, the costs of correcting the Work.

B Contractor shall be responsible for all direct costs to County resulting from Contractor's errors and omissions in his interpretation of construction documents and the performance or work under the Contract Document, or those of his subcontractors and suppliers, and shall be responsible for all additional Architect/Engineer fees and other costs related to correcting such errors and omissions. Such additional costs shall include Architect/Engineer Punch List, inspection(s) or the Building Codes Enforcement inspections, as such, re-inspections are made necessary where no Certificate of Substantial Completion and/or Occupancy Permit could be issued because of Contractor's unsatisfactory performance or preparation on the date the original inspection was scheduled and performed.

C County shall furnish to Contractor one (1) copy of the Contract Documents. Additional copies will be furnished, upon request, at the cost of reproduction.

3.2 Subsurface and Physical Conditions

A. Reports and Drawings: The Supplementary Conditions identify:

- those reports of explorations and tests of subsurface conditions at or contiguous to the Site that Engineer has used in preparing the Contract Documents; and
- those drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities) that Engineer has used in preparing the Contract Documents.

B. Limited Reliance by Contractor on Technical Data Authorized: Contractor may rely upon the general accuracy of the “technical data” contained in such reports and drawings, but such reports and drawings are not Contract Documents. Such “technical data” is identified in the Supplementary Conditions. Except for such reliance on such “technical data,” Contractor may not rely upon or make any Claim against County, County’s Architect/Engineer, or any of Architect’s/Engineer’s Consultants with respect to:

- the completeness of such reports and drawings for Contractor’s purposes, including, but not limited to, any aspects of the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor, and safety precautions and programs incident thereto; or
- other data, interpretations, opinions, and information contained in such reports or shown or indicated in such drawings; or
- any Contractor interpretation of or conclusion drawn from any technical data or any such other data, interpretations, opinions, or information.

3.3 Supervision and Construction Procedures

Contractor shall supervise, coordinate, and direct the Work using Contractor’s best skill and attention. Contractor shall be solely responsible for and have control over construction means: methods, techniques, sequences, procedures and the coordination of all portions of the Work. Contractor shall be responsible to the County for acts and omissions of Contractor’s agents, employees, and Subcontractors, and their respective agents and employees. Contractor shall not be relieved of Contractor’s obligations to perform the Work in accordance with the Contract Documents either by acts or omissions of the County or County’s Representative in the administration of the Contract, or by tests, inspections, or approvals required or performed by persons or firms other than the Contractor. Contractor shall be responsible for inspection of all portions of the Work, including those portions already performed under this Contract, to determine that such portions conform to the requirements of the Contract Documents and are ready to receive subsequent Work. Contractor shall at all times maintain good discipline and order among its employees and Subcontractors. Contractor shall provide competent, fully qualified personnel to perform the Work.

3.4 Labor and Materials

The Contractor shall provide and pay for all labor, materials, equipment, tools, construction equipment and machinery, water, heat, utilities, transportation, and other facilities and services necessary for proper execution and completion of the Work in accordance with the Contract Documents. Only manufactured and farm products of the United States, preferably in the State of South Carolina shall be used as materials in the prosecution of the Work under this contract. Contractor shall warrant that all equipment and materials provided under this Contract are new, merchantable, and fit for the purpose intended.

3.5 Contractor Warranty

Contractor warrants to the County that all materials furnished under this Contract will be of good quality, new, and free of liens, claims, and defects, and that the Work will conform professional standards of care and practice in effect at the time the Work is performed, be of the highest quality, and free from all faults, defects or errors and in compliance with the requirements of the Contract Documents. If the Contractor is notified in writing of a fault, deficiency or error in the Work provided within (1) one year of final payment for the Work, the Contractor shall, at the County’s option, either re-perform such portions of the Work to correct such fault, defect or error, at no additional cost to the County, or refund to the County, the charge paid by the County, which is attributable to such portions of the faulty, defective or erroneous Work, including costs for re-performance of the Work provided by other Contractors.

3.6 Taxes

The Contractor shall pay all sales, consumer, use, and other similar taxes required to be paid by the contractor. The County, as a public body, is not exempt from South Carolina State Sales and Use Taxes on materials and equipment incorporated in the Work, and said taxes shall be included in the Unit Price. Contractor is responsible for obtaining and executing the forms necessary for claiming the exemption.

3.7 Permits and Fees

Unless otherwise provided in the Supplemental Conditions, the Contractor shall obtain and pay for all permits, licenses, and certificates required for the proper execution and completion of Work under this Contract. When electrical, water, and/or gas service is included in the specifications, everything necessary to make the system operational, including any and all utility company connection/equipment charges, shall be included in the bid. This shall apply even when permit fees are waived. Contractor shall, at its own expense, meter and pay the cost of the water supply, electrical, light and power, heat, and telephone services during construction of the project. Connection to existing facilities for temporary services and their distribution for the construction work shall be installed in a manner and location subject to approval of the owner. When temporary service lines and meters are no longer required, they shall be removed by the Contractor. Any part of the permanent service lines, grounds, and buildings of the permanent service lines, grounds, and buildings are disturbed or damaged by the installation and/or removal of the temporary service lines, they shall be restored to their original condition by the Contractor in an amount satisfactory and subject to the County's approval.

3.8 Supervision

Contractor shall supervise, inspect, and direct the Work completely and efficiently, devoting such attention thereto and applying such skills and expertise as may be necessary to perform the Work in accordance with the Contract Documents. Contractor shall be solely responsible for the means, methods, techniques, sequences, and procedures of construction, but Contractor shall not be responsible for the negligence of the County or the Engineer in the design or specification of a specific means, method, sequence, or procedure of construction which is shown or indicated in and expressly required by the Contract Documents. Contractor shall be responsible to see that the complete Work complies accurately with the Contract Documents.

3.9 Schedules Required of the Contractor

A Contractor shall start Work no later than ten (10) days after receipt of the Notice to Proceed. Before the commencement of Work, the Contractor shall submit a computerized schedule of the work necessary to complete the project to the County's Representative for review at the time of the pre-construction meeting. Approved computer formats are Microsoft Project, SureTrac/Primavera or approved equal. The Estimated Progress Schedule as submitted by Contractor for review by the County's Representative shall provide an orderly progression of the Work to completion within the Contract Time, and shall indicate starting and completion dates for the various stages of the Work. The dates so indicated on the schedule are hereby made time of the essence.

- Contractor shall provide a monthly update to the progress schedule to the County's Representative. All costs for furnishing and updating the progress schedule shall be included in the price bid.

B The preliminary progress schedule and updated progress schedules shall represent a practical plan to complete the Work within the Contract Time. Extension of any schedule beyond the Contract Time shall not be acceptable. Schedules showing the Work completed in less than the Contract Time, may be acceptable if judged by County's Representative to be practical, however acceptance of such a schedule shall not change the Contract Time. The Contract Time, not the schedule time, shall control in the determination of liquidated damages payable by Contractor under Article 8 of the Agreement in the determination of any delay under Article 8 of the General Conditions.

C If a schedule showing the Work completed in less than the Contract Time is accepted, Contractor shall not be entitled to extensions of the Contract Time for Excusable Delays until such delays extend the completion of the Work beyond the expiration of the Contract Time.

D Contractor shall provide a separate schedule for the submittal of shop drawings and samples for County approvals. The preliminary schedule of Shop Drawings shall include a list of proposed Shop Drawings with the proposed time of submission for each keyed to the estimated progress schedule described in these General Conditions. The Schedule of Shop Drawings shall be adjusted, if necessary, to reflect any changes in the

estimates on the adjusted progress schedule.

E Contractor shall provide a preliminary schedule of values for all of the Work which includes quantities and prices of items, when added together, equal the Contract Price and subdivides the Work into component parts in sufficient detail to serve as the basis for progress payments during performance of the Work. For each Work item and monthly period, the estimated percentage completion shall be tabulated. Unit Price Work shall be estimated based upon quantities given in the Bid Form. The total percentage for each Work item should equal 100 percent.

- The schedule of values shall be adjusted during the performance of the Work, if necessary, to reflect actual and estimated conditions.

3.10 Initial Acceptance of Schedules

A. Unless otherwise provided in the Contract Documents, at least ten days before submission of the first Application for Payment a conference attended by Contractor, County's Representative, and others as appropriate will be held to review for acceptability to County's Representative as provided below the schedules submitted in accordance with paragraph 3.8

B. Contractor shall have an additional ten days to make corrections and adjustments and to complete and resubmit the schedules. No progress payment shall be made to Contractor until acceptable schedules are submitted to County's Representative.

- The progress schedule will be acceptable to County's Representative if it provides an orderly progression of the Work to completion within any specified Milestones and the Contract Times. Such acceptance will not impose on County's Representative responsibility for the progress schedule, for sequencing, scheduling, or progress of the Work nor interfere with or relieve Contractor from Contractor's full responsibility therefore.
- Contractor's schedule of Shop Drawing and Sample submittals will be acceptable to County's representative if it provides a workable arrangement for reviewing and processing the required submittals.
- Contractor's schedule of values will be acceptable to County's Representative as to form and substance if it provides a reasonable allocation of the Contract Price to component parts of the Work.

3.11 As Built Documents

Contractor shall maintain one set of As-Built drawings and specifications at the project site, which shall be kept up to date during the Work of the Contract. All changes which are incorporated into the Work which differ from the documents as drawn and written shall be noted on the As-built set. Notations shall reflect the actual materials; equipment and installation methods used for the Work and each revision shall be initialed and dated the Contractor's Superintendent.

3.12 Substitutions

A Bids shall be based on the exact materials specified. The specified products have been used in the design of the Project and in the preparation of the Drawings and Specifications, and as such establish minimum standards of function, dimension, appearance, and quality necessary for the Project. Equivalent products of other manufacturers may be acceptable, if, in the judgment of the County's Representative or Architect/Engineer, they meet the standards of the Specifications. The burden of proof of equality rests with the Contractor. The Contractor shall submit in writing any requests for substitutions. Shop Drawings that are submitted to the Architect do not constitute a request for substitution. Materials not specified or accepted as equivalent shall not be acceptable for installation.

B. Unless the specifications or description provides for "or equal", "equivalent", or other similarly descriptive words, the Contractor shall provide the material or items as specified. Contractor may submit, by written application, items for County's Representative or Architect/Engineer review as "equal" if:

- In the County Representative's or Architect's/Engineer's sole discretion, an item is functionally equal to and similar in that no change to the Work will be required, it may be considered by the County's Representative or Architect/Engineer as an "equal" item, in which instance review and approval of the

proposed item may, in the County Representative's or Architect's/Engineer's sole discretion be accomplished without compliance to some or all of the requirements for approval of substitute items. In such cases the item shall be determined by the County Representative or Architect/Engineer to be at least equal in quality, durability, strength, appearance, and design criteria, and it will meet the design performance requirements equally well, and Contractor certifies that there is: i) no increase in cost to the County, and (ii) it will conform to the requirements of the item named in the Contract Documents.

C. Prior to initiating the written application required under paragraph 3.12B of the General Conditions, Contractor shall briefly outline the proposed substitute to the extent necessary for the County's Representative or Architect/Engineer, if deemed appropriate by the County's Representative or Architect/Engineer, to estimate the cost of engineering services for any redesign which may be required for evaluating a proposed substitute. The County Representative's or Architect's/Engineer's estimate shall be incorporated in the Contractor's application for the proposed substitute in the itemization of estimated costs required in accordance with paragraph 3.12B of the General Conditions. The County Representative's or Architect's/Engineer's estimate will also serve to advise Contractor of the reimbursement to County when evaluation so indicates.

3.13 Shop Drawings and Samples

A. Contractor shall submit six (6) copies of Shop Drawings to the County's Representative for review and approval in accordance with the schedule of Shop Drawing and Sample Submittals. Contractor shall also submit Samples to the County's Representative, in accordance with the schedule of Shop Drawing and Sample Submittals. Contractor shall have determined and verified fit, form, function, performance criteria, and coordinated each Shop Drawing or Sample with the other Shop Drawings or Samples and with the requirements of the Work and the Contract Documents. By approving and submitting Shop Drawings, Product Data, Samples, and similar submittals, Contractor represents that it has determined or verified materials and field measurements and conditions related thereto, and that it has checked and coordinated the information contained within such submittals with the requirements of the Contract Documents and Shop Drawings for related Work.

B. Any Work performed prior to County's Representative review and approval of the pertinent submittal will be at the sole expense and responsibility of the Contractor. The Contractor shall submit structural, mechanical, and electrical shop drawings in the form of one sepia and three black or blue line prints; all other shop drawings in the form of one sepia and two black or blue prints.

C. Contractor shall not be relieved of the responsibility for deviations from the requirements of the Contract Documents by County Representative's review of Shop Drawings, Product Data, Samples or other similar submittals, unless Contractor has specifically informed County's Representative at the time of the submittal and County's representative has given written approval of the specific deviation. Contractor shall not be relieved of responsibility for errors or omissions in Shop Drawings, Product Data, Samples, or similar submittals by County Representative's review, acceptance, comment, or approval thereof.

D. Final approval of all materials shall be contingent on Shop Drawing acceptance, compliance with the Specifications and performance criteria, and acceptable installation. General approval to utilize a product does not relieve the supplier or Contractor of meeting Specification requirements.

E. Other submittals required under the Contract Documents shall be made in the same number of copies as required for Shop Drawings, unless otherwise indicated.

3.14 Use of Site and Clean Up

The Contractor shall confine operations at the project site to areas permitted by the Construction Documents. Contractor shall, during the performance of the Work keep the project site and surrounding area free from accumulation of waste materials and rubbish cause by Contractor. Contractor shall not unreasonably encumber the Project site with materials or equipment. Contractor shall remove all waste material and rubbish cause by the Contractor; tools; equipment; machinery; and surplus materials from the project site and surrounding area at the completion of the Work.

3.15 Access to Work

The County's Representative, employees, and consultants and other persons authorized by the County shall at all times have access to the Work whenever it is in progress.

3.16 Hours of Work

The hours of Work for the Project shall be consistent with the hours of normal operation of the Beaufort County Engineer, unless otherwise specified within the Supplemental Conditions. That is Monday through Friday from 8:00 a.m. to 5:00 p.m. The County Engineer may agree to waive these time requirements upon written request from the Contractor. The Contractor is made aware that the hours accumulated by the Engineer and/or his staff process, working, or otherwise attending to the Contract as it relates to overtime hours generated by the Contractor's work hours or delinquencies, shall be assessed to the Contractor. The Beaufort County pay scale will govern with County employees wage rates as applicable. Reimbursement would be processed as a contract reduction via a supplemental agreement or Change Order.

3.17 Concealed or Unknown Conditions

A Except and only to the extent provided otherwise in Articles 7 and 8 of the General Conditions, by signing the Agreement, Contractor agrees:

- To bear the risk of concealed or unknown conditions, if any, which may be encountered in performing the Contract; and
- That Contractor's bid for the Contract was made with full knowledge of this risk.

In agreeing to bear the risk of concealed or unknown conditions, Contractor understands that, except and only to the extent provided otherwise in Articles 7 and 8, concealed and/or unknown conditions shall not excuse Contractor from its obligation to achieve full completion of the Work within the Contract Time, and shall not entitle the Contractor to an adjustment of the Contract Sum.

B Any information provided pursuant to INFORMATION AVAILABLE TO BIDDERS is subject to the following provisions: The information is made available for the convenience of Bidders and is not parts of the Contract. The County has not determined the accuracy or completeness of such information, and all such information is made available to Bidders without a representation or warranty by the County whatsoever as to its accuracy, completeness, or relevancy. Bidders shall independently evaluate such information for their use and shall be solely responsible for use or interpretation of such information. Any such use or interpretation shall not be the basis of any claim against County.

C If concealed or unknown conditions are encountered which require, in opinion of County's Representative, design details which differ from those design details shown in the Contract Documents and the County's Representative finds that such revised design details will cause an increase or decrease in the cost of, or time required for performance of the Contract, and if County agrees with County Representative's determinations, County will issue a Change Order modifying the Contract terms to provide for the change in design details and to provide for an adjustment in the Contract Sum and/or Contract Time pursuant to Articles 7 and 8.

D If Contractor encounters concealed or unknown conditions that differ materially from those anticipated or expected, Contractor shall immediately notify County's Representative in writing of such conditions so that County's Representative can determine if such conditions require design details which differ from those design details shown in the Contract Documents. Contractor shall be liable to County for any extra costs incurred as the Contractor's failure to promptly give such notice.

3.18 Test and Inspections

The Contractor shall employ and pay for the services of an independent testing laboratory to perform all inspections, tests, or approvals required by Contract Documents, unless otherwise specified in the Supplemental Conditions. All inspections, tests or approvals other than those required by Laws or Regulations of any public body having jurisdiction shall be performed by an organization acceptable to the County, Contractor, and Engineer. Engineer will receive and review certificates of inspection, tests, or approvals which are submitted in accordance with the Contract Documents, but such review will be only to determine that their content complies with the requirements of, and the certified results indicate compliance with, the Contract Documents.

3.19 Acceptance

The Work under this agreement shall remain the property of and responsibility of the Contractor until it is accepted by the County. The Contractor shall be liable for any and all damages and losses to the Project (weather by fire, theft, vandalism, hurricane, earthquake, flood, or otherwise) prior to the County's acceptance as fully completed. In the event the Work furnished under this Agreement is found to be defective or does not conform to the specifications, the County reserves the right to cancel the Agreement upon written notice to the Contractor.

3.20 Indemnification

Contractor shall indemnify and save harmless the County, its officers, agents, and employees from and against all liability, loss, costs, claims, damages, judgments, and awards, whether or not covered by insurance, arising or claimed to have arisen: (a) or in part from acts or omissions of, or as a result of Work done or omitted from being done by Contractor, Subcontractors or assignees and their agents or employees, which resulted in: (1) injury to (including mental or emotional) or death of any person, including employees of the County or Contractor, or (2) damage to or destruction of any property, real or personal, including without limitation property of the County, County's employees and fellow employees; (b) out of injuries sustained and/or occupational diseases contracted by Contractor's, its subcontractor's, or assignee's employees, if any, of such a nature and arising under such hereto, of the state having jurisdiction, including all claims and causes of action of any character against the County by any employee of Contractor, its subcontractors or assignees, or the employer of such employees, or any person or concern claiming by, under or actions or disputes asserted by any subcontractors, employees or suppliers of Contractor. Indemnification shall include all costs including attorney's fees reasonably incurred in pursuing indemnity claims under or enforcement of the Contract.

ARTICLE 4

ADMINISTRATION OF THE CONTRACT

4.1 County's Representative

A. The County's Representative will provide administration of the Contract as provided in the Contract Documents and will be the representative of the County. The County's Representative will have the authority to act on behalf of the County only to the extent provided in the Contract Documents. The County's Representative will not have control over, be in charge of, and will not be responsible for construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the Work, since these are solely the Contractor's responsibility. Based on the County's Representative's site visits and evaluations of Contractor's Applications for Payment, the County's Representative will recommend amounts, if any due Contractor and will issue approval for payment in such amounts. However, no actions taken during such site visits shall relieve the Contractor of the Contractor's obligations as described in the Contract Documents. The County's Representative will have authority to reject the Work, or any portion thereof, which does not conform to the Contract Documents. The County's Representative will have the authority to stop the Work or any portion thereof. The County's Representative will be, in the first instance, the interpreter of the requirements of the Contract Documents and the judge of performance thereunder by the Contractor. Should the Contractor discover and conflicts, omissions, or errors in the Contract Documents: have questions about the interpretation or clarification of the Contract Documents ; question whether Work is within the scope of the Contract Documents; or question that Work is not sufficiently detailed or explained, then before proceeding with the Work affected, the Contractor shall notify the County's Representative in writing and request interpretation, clarification, or furnishing of additional detailed instructions. The County's Representative response to questions and requests for interpretations, clarifications, instructions, or decisions will be made with reasonable promptness. Should the Contractor proceed with the Work affected before receipt of a response from the County Representative's interpretations, clarifications, instructions, or decisions shall be removed or replaced and Contractor shall be responsible for all resultant rework and/or losses.

B. If County and Architect/Engineer agree, Architect/Engineer will furnish a Resident Project Representative to assist in providing more extensive observation of the Work. The duties, responsibilities and limitations of any Resident Project representative and assistants furnished by the Architect/Engineer are as set-forth in Exhibit SC-A, "A Listing of the Duties, Responsibilities and Limitations of Authority of the Resident Project Representative" which is attached hereto and made a part hereof.

4.2 Contractor Change Order Request

Contractor may request changes to the Contract Sum and/or Contract Time for Extra Work or Delays to completion of the Work caused by the acts, errors, or omissions of the County, County's Representative, their agents or employees, or caused by unforeseen conditions if, and only if Contractor follows the procedures specified in this Paragraph 4.2. As used in this Paragraph 4.2. Such acts, errors, or omissions shall include, but not be limited to, the provision of clarifications, drawings, instructions, or interpretations that involve Extra Work or delay completion of the Work. If Contractor asserts that Contractor is entitled to an adjustment of the Contract Sum and/or the Contract Time as the result of an act, error, or omission of the County, the County's Representative, their agents or employees, or as the result of unforeseen conditions, then Contractor may submit a Change Order Request to County's Representative. A Change Order Request must state that it is a Change Order Request, state and justify the reason for the request, and specify the amount of any requested adjustment to the Contract Sum and/or Contract Time. Upon request of County's Representative, Contractor shall submit such additional information concerning the Change Order Request as may be requested by County's Representative for the purpose of evaluating the Change Order Request. If the Change Order Request seeks an adjustment of the Contract Sum for delay, upon request of County's Representative, Contractor shall submit written documentation demonstrating Contractor's entitlement to such an adjustment under Article 8. A condition precedent to obtaining an adjustment of the Contract Sum and/or Contract Time as a result of an act, error, or omission of the County, the County's Representative, their agents or employees, or as the result of an unforeseen condition, is timely submission of a Change Order Request that meets the requirements set forth above. A Change Order Request based upon such acts, errors or omissions will be deemed timely submitted, if and only if, it is submitted within 3 working days of the date the Contractor discovers, or reasonably should discover that an act, error, or omission of the County, the County's Representative, their agents or employees, has occurred that may entitle Contractor to an adjustment of the Contract Sum and/or Contract Time (even if the Contractor has not been damaged, delayed, or incurred extra cost when the Contractor discovers, or reasonably should discover, the act, error or omission giving rise to the Change Order Request). A Change Order Request based upon an unforeseen condition will be deemed timely Submitted if, and only if, it is submitted within 3 working days of the date the Contractor discovers, or reasonably should discover, the existence of an unforeseen condition that may entitle Contractor to an adjustment of the Contract Sum and/or Contract Time (even if the Contractor has not been damaged, delayed, or incurred extra cost when the Contractor discovers, or reasonably should discover, the unforeseen condition giving rise to the Change Order Request). If County's Representative issues a final decision on all or part of Change Order Request, the Contractor may contest the decision by filing a timely Claim under the procedures specified below. A final decision is any decision on a Change Order Request which states that it is final. Failure of the claimant to give written notice as set forth above within thirty days shall result in the County representative's decision being final and binding upon County and Contractor.

4.3 Claims

The term "Claim" means a written demand or assertion by Contractor seeking an adjustment or interpretation of the terms of the Contract Documents, payment of money, extension of time, or other relief with respect to the Contract Documents, including a determination of disputes or matters in question between County and Contractor arising out of or related to the Contract Documents or the performance of the Work, and claims alleging an unforeseen condition or an act, error, or omission by County, County's Representative, their agents or employees.

If a Claim is subject to the procedures specified in Paragraph 4.2, the Claim arises upon the issuance of a written final decision denying in whole or in part Contractor's Change Order Request. If a Claim is not subject to the procedures specified in Paragraph 4.2, the Claim arises when the Contractor discovers, or reasonably should discover, the condition or event given rise to the Claim (even if the Contractor has not been damaged, delayed, or incurred extra cost when the Contractor discovers, or reasonably should discover, the condition or event giving rise to the Claim). A Claim not subject to the procedures specified in Paragraph 4.2 may be asserted if, and only if, the Contractor gives a valid written notice of intent to file the Claim within 3 working days of the date the Claim arises. A written notice of intent to file a claim will be deemed valid if, and only if, it identifies the event or condition giving rise to the Claim and states its probable effect, if any, with respect to the Contractor's entitlement to an adjustment of the Contract Sum and/or the Contract Time.

4.4 Assertion of Claims

Claims by Contractor shall be first submitted to County's Representative for decision. Notwithstanding the making of any Claim or the existence of any dispute regarding any Claim, unless otherwise directed by County's Representative, Contractor shall not cause any delay, cessation, or termination in or of Contractor's performance of

the Work, but shall diligently proceed with performance of the Work in accordance with the Contract Documents. County will continue to make payments in accordance with the Contract Documents. Contractor shall submit a Claim in writing, together with the supporting data specified in Paragraph 4.3 to County's Representative as soon as possible but not later than 7 days after the date the claim arises under Paragraph 4.3.

4.5 Time Limits and Timely Notice of Contractor Claims

Contractor agrees to provide Owner and architect with written notice within seven (7) days of the occurrence of any event giving rise to any claim for additional compensation or extension of time under this agreement, whether such claim is based upon claims for changes, differing site conditions, adverse weather conditions, or any cause whatsoever. Contractor waives any claims for additional compensation or time extension, if Contractor fails to timely notify the Owner and architect in accordance with the terms and conditions of this clause. Contractor further acknowledges that any work which the Contractor considers to be beyond the scope of original work and which the Contractor elects to perform, prior to notice to Owner and architect and Owner's written approval to proceed with additional work, shall be performed at the Contractor's peril and as a gratuity to the Owner. Contractor assumes all risk associated with such work, agrees to perform such work at its own costs, and released and holds Owner harmless for any and all costs of such work performed prior to notice and written approval of such additional work by Owner.

4.6 Decision of County's Representative on Claims

County's Representative decision on any or all claims shall be considered as final. Disputes shall be resolved through litigation in a Court of competent jurisdiction in Beaufort, South Carolina.

ARTICLE 5

SUBCONTRACTORS

5.1 Award of Subcontracts to Other Contractors for Portions of the Work

Contractor shall submit to County, on its letterhead, prior to commencement of the Work, a list of all Subcontractors to be used to perform the Work. If County objects to any Subcontractor, Contractor shall provide a substitute Subcontractor acceptable to County with no adjustment of the Contract Sum. No substitution of Subcontractors shall be made without County's consent. All Subcontracts shall incorporate the Contract Documents by reference. Contractor hereby assigns to County all of its interests in Subcontracts affecting the Work, effective only if County terminates the Contract for cause and only for Subcontracts designated by County within 30 days after the date of termination. Nothing contained in the Contract Documents shall create any contractual relationship between any Subcontractor and County, except when, and only to the extent that, County elects to accept the assignment of the subcontract with such Subcontractor.

5.2 Separate Contractor Claims

Should Contractor cause damage to the work or property of any separate contractor at the site, or should any claim arising out of Contractor's performance of the Work or lack of same at the site be made by any separate contractor against Contractor, County, Engineer, or any other person, Contractor shall promptly attempt to settle with such other contractor by agreement, or to otherwise resolve the dispute by arbitration or at law. Contractor shall indemnify and hold County and Engineer harmless from and against all claims, damages, losses and expenses (including, but not limited to, fees of engineers, architects, attorneys and other professionals and court and arbitration costs) arising directly, indirectly or consequentially out of any action, legal or equitable, brought by any separate contractor against County and Engineer to the extent based on a claim arising out of Contractor's performance or lack of same of the Work. Should a separate contractor cause damage to the Work or property of Contractor or should the performance of Work or lack of same by any separate contractor at the site give rise to any other claim, Contractor shall not institute any action, legal or equitable, against County or Engineer or permit any action against any of them to be maintained and continued in its name or for its benefit in any court or before any arbiter which seeks to impose liability on or to recover damages from County or Engineer on account of any such damage or claim. If Contractor is delayed at any time in performing or furnishing Work by any act or neglect of a separate contractor and County and Contractor are unable to agree as to the extent of any adjustment in Contract Time attributable thereto, Contractor may make a claim for an extension of time in accordance with Article 4. An Extension of the Contract Time shall be Contractor's exclusive remedy with respect to County and Engineer for any delay, disruption, interference or hindrance caused by any separate contractor. This paragraph does not prevent recovery from Contractor or Engineer for activities that are their respective responsibilities.

ARTICLE 6

CONSTRUCTION BY COUNTY OR BY SEPARATE CONTRACTORS

6.1 County's right to Perform Construction and to Award Separate Contracts

County may perform Work on the Project site, including Work which has been deleted from the Contract by Change Order, with County's own forces or with Separate Contractors. Contractor shall cooperate fully with County's forces and Separate Contractors at the Project site and coordinate the scheduling and performance of the Work with the scheduling and performance of Work to be performed by County's forces or Separate Contractors. Contractor shall give County's forces and Separate Contractors reasonable opportunity to deliver and store materials and equipment on the Project site.

6.2 Mutual Responsibility

A. Contractor shall afford County and Separate Contractors reasonable opportunity for introduction and storage of their materials and equipment and performance of their activities. Contractor shall connect, schedule, and coordinate its construction and operations with the construction and operations of County and Separate Contractors as required by the Contract Documents.

B. If a portion of the Work is dependent upon the proper execution or results of other construction or operations by County or Separate Contractors, Contractor shall inspect such other construction or operations before proceeding with that portion of Work. Contractor shall promptly report to County's Representative apparent discrepancies or defects which render the other construction or operations unsuitable to receive the Work. Contractor shall not proceed with the portion of Work affected until apparent discrepancies or defects have been corrected. Failure of Contractor to so report within a reasonable time after discovering such discrepancies or defects shall constitute an acknowledgment that the other construction or operations by County or Separate Contractor is suitable to receive the Work, except as to defects not then reasonable discoverable.

6.3 County's Right to Clean Up

If a dispute arises between Contractor and Separate Contractors as to the responsibility under their respective contracts for maintaining the Project site and surrounding areas free from waste materials and rubbish, County may clean up and allocate the cost between those firms it deems to be responsible

ARTICLE 7

CHANGES IN THE WORK

7.1 Changes

A. County may Order or authorize additions, deletions, and other changes in the Work by Change Order or Field Order without invalidating the Contract and without notice to sureties. Absence of such notice shall not relieve such sureties of any of their obligations to County. Upon receipt of any such document, Contractor shall promptly proceed with any changes in the Work involved which will be performed under the applicable conditions of the Contract Documents (except as otherwise specifically provided).

B. If County and Contractor are unable to agree on entitlement to, or on the amount or extent, if any, of an adjustment in the Contract Price or Contract Times, or both that should be allowed as a result of a Work Change Directive, a Claim may be made therefore as provided in paragraph 4.3

7.2 Definitions

A. A Change Order is a Contract Document which has been signed by both County and Contractor, and states their agreement upon all of the following:

- A change in the Work, if any.
- The amount of an adjustment of the Contract Sum, if any.
- The amount of an adjustment of the Contract Time, if any.

B. A Directed Change Order may also be issued by the County without the Contractor's signature, where County determines that it is in County's best interest to allow Contractor to receive such an adjustment of the Contract Sum or Contract Time as County believes to be properly due Contractor, even though no agreement has been reached between County and Contractor.

C. A Field Order describes the scope or degree of a change in the Work which does not change the Contract Sum or Contract Time and the change described within the Field Order is agreed upon by County and Contractor.

7.3 Change Order Procedures

A. County and Contractor shall execute appropriate Change Orders(or Written Amendments) recommended by the County's Representative or Architect/ Engineer covering changes in the Work which are:

- (i) ordered by the County (ii) required because of acceptance of defective work, or County's correction of defective Work, or (iii) agreed to by the parties;
- changes in the Contract Price or Contract Times which are agreed to by the County and the Contractor, including any undisputed sums or amount of time for Work actually performed in accordance with a **Work Change Directive**; and
- changes in the Contract Price or Contract Times which embody the substance of any written decision rendered by the County's Representative, or Architect/Engineer, provided that in lieu of executing any such Change Order, an appeal may be taken from any such decision in accordance with the provisions of the Contract Documents and applicable Laws and Regulations, but during any such appeal, Contractor shall carry on the Work and adhere to the progress schedule.

B. Execution of a Change Order by the County and the Contractor shall be considered complete and final compensation. It is expressly understood and agreed that the Contractor shall not be entitled to any additional compensation or time associated with an executed Change Order.

7.4 Work Change Directive

The Work Change Directive is a written directive to Contractor issued on or after the Effective Date of the Agreement and signed by County and recommended by Architect/Engineer ordering an addition, deletion, or revision in the Work, or responding to differing or unforeseen subsurface or physical conditions under which the Work is to be performed or to emergencies. A Work Change Directive will not change the Contract Price or the Contract Times but is evidence that the parties expect that the change ordered or documented by a Work Change Directive will be incorporated in a subsequently issued Change Order following negotiations by the parties as to its effect, if any, on the Contract Price or Contract Times. Upon receipt of a Work Change Directive, the Contractor shall promptly proceed with the directed changes.

7.5 Unit Price Work

A. County has the right to increase or decrease the quantity of any Unit price item for which an estimated quantity is stated in the Bid Form.

B. County's Representative or Engineer will determine the actual quantities and classifications of Unit Price Work performed by Contractor. County's Representative will review with Contractor the Engineer's preliminary determinations on such matters before rendering a written decision thereon (by recommendation of an Application for Payment or otherwise). Engineer's written decision thereon will be final and binding (except as modified by Engineer to reflect changed factual conditions or more accurate data) upon County and Contractor, subject to the provisions of paragraph 4.3.

7.6 Waiver

A waiver of or failure by County or County's Representative to enforce any requirement in this Article 7 will not constitute a waiver of, and will not preclude the County or County's Representative from enforcing, such requirements in connection with any other adjustments of the Contract Sum. The Contractor understands that no oral approval, either express or implied, of any adjustment of the Contract Sum by County or its agents shall be binding upon County unless and until such approval is ratified by execution of a written Change Order.

ARTICLE 8
CONTRACT TIME

8.1 Commencement of the Work

The date of commencement of the Work shall be set forth in the Notice To Proceed, and in no case shall the Contractor start Work later than 10 days within receipt of the Notice to Proceed. The date of commencement of the Work shall not be postponed by the failure of Contractor, Subcontractors, or of persons or firms for whom Contractor is responsible to act.

8.2 Progress and Completion

Time limits stated in the Contract Documents are of the essence of the Contract. By signing the Agreement Contractor represents to County that the Contract Time is reasonable for performing the Work and that Contractor is able to perform the Work within the Contract Time. Contractor shall not, except by agreement or instruction of County in writing, commence operations on the Project site or elsewhere prior to the effective date of insurance required by Article 11 to be furnished by Contractor. The dates of commencement and completion of the Work shall not be changed by the effective date of such insurance. Contractor shall proceed expeditiously with adequate forces and shall achieve full Completion of the Work within the Contract Time. If County's Representative determines and notifies Contractor that Contractor's progress is such that Contractor will not achieve full Completion of the Work within the Contract Time, Contractor shall immediately and at no additional cost to, County take all measures necessary, including working such overtime, additional shifts, Sundays, or holidays as may be required to ensure that the entire Project is completed within the Contract Time. Upon receipt of such notice from County's representative, Contractor shall immediately notify County's Representative of all measures to be taken to ensure full Completion of the Work within the Contract Time. Contractor shall reimburse County for any extra costs or expenses, including the reasonable value of any services provided by County's employees, incurred by County as the result of such measures.

8.3 Delay

Except and only to the extent provided otherwise in Articles 7 and 8, by signing the Agreement, Contractor agrees:

- to bear the risk of delays to completion of the Work; and
- that Contractor's bid for the Contract was made with full knowledge of this risk.

In agreeing to bear the risk of delays to completion of the Work, Contractor understands that, except and only to the extent provided otherwise in Articles 7 and 8, the occurrence of events that delay the Work shall not excuse Contractor from its obligation to achieve full completion of the Work within the Contract Time, and shall not entitle the Contractor to an adjustment of the Contract Sum.

8.4 Adjustment of Contract Time

The Contract Times may only be changed by a Change Order or by a Written Amendment. Any Claim for an adjustment in the Contract Times shall be based on written notice submitted by the party making the claim to the County's Representative and the other party to the Contract in accordance with the provisions of paragraph 4.3. Any adjustment of the Contract Times covered by a Change Order or of any Claim for an adjustment in the Contract Times will be determined in accordance with the provisions of this Article.

8.5 Delays Beyond Contractor's Control

Where Contractor is prevented from completing any part of the Work within the Contract Times due to delay beyond the control of Contractor, the Contract Times will be extended in an amount equal to the time lost due to such delay if a Claim is made therefore as provided in paragraph 4.3. Delays beyond the control of Contractor shall include, but not be limited to, acts or neglect by County, acts or neglect of utility owners or other contractors performing Work as contemplated by Article 5 fires, floods, epidemics, abnormal weather conditions, or acts of God.

8.6 Delays Within Contractor's Control

The Contract Times will not be extended due to delays within the control of Contractor. Delays attributable to and within the control of a Subcontractor or Supplier shall be deemed to be delays within the control of Contractor.

8.7 Delays Beyond County's and Contractor's Control

Where Contractor is prevented from completing any part of the Work within the Contract Times due to delay beyond

the control of both County and Contractor an extension of the Contract Times in an amount equal to the time lost due to such delay shall be Contractor's sole and exclusive remedy for such delay.

8.8 Liquidated Damages

If the Contractor fails to substantially complete the Work by the specified completion date, the Contractor shall be liable for liquidated damages for each calendar date past the contract specified completion date. The date of substantial completion shall be determined by the County Engineer and his decision shall be final. The daily liquidated damage s rate shall be determined from the Schedule of Liquidated Damages provided within the South Carolina Department of transportation Standard Specifications for Highway Construction, Edition of 2007 unless otherwise specified in the Bid Documents.

8.9 Waiver

A. In no event shall County , County's Representative, or County's Architect/Engineer be liable to Contractor, any Subcontractor, and Supplier, or any other person or organization, or to any surety for or employee or agent of any of them, for damages arising out of or resulting from:

- delays caused by or within the control of Contractor; or
- delays beyond the control of both County and Contractor including but not limited to fires, floods, epidemics, abnormal weather conditions, acts of God, or acts or neglect by utility owners or other contractors performing other work contemplated by Article 5.

B. Nothing in paragraph 8.9 bars a change in Contract Price pursuant to this Article 4.3 to compensate Contractor due to delay, interference, or disruption directly attributable to actions or inactions of County or anyone for whom County is responsible.

ARTICLE 9

PAYMENTS AND COMPLETION

9.1 Unit Price Work

A. Where the Contract Documents provide that all or part of the Work is to be Unit Price Work, initially the Contract Price will be deemed to include for all Unit Price Work an amount equal to the sum of the unit price for each separately identified item of Unit Price Work times the estimated quantity of each item as indicated in the Agreement. The estimated quantities of items of Unit Price Work are not guaranteed and are solely for the purpose of comparison of Bids and determining an initial Contract Price. Determinations of the actual quantities and classifications of Unit Price Work performed by Contractor will be made by County's Representative or Engineer subject to the provisions of paragraph 9.2.

B. Each unit price will be deemed to include an amount considered by Contractor to be adequate to cover Contractor's overhead and profit for each separately identified item.

C. County or Contractor may make a Claim for an adjustment in the Contract Price in accordance with paragraph 4.3 if:

- the quantity of any item of Unit Price Work performed by Contractor differs materially and significantly from the estimated quantity of such item indicated in the Agreement; and
- there is no corresponding adjustment with respect any other item of Work; and
- if Contractor believes that Contractor is entitled to an increase in Contract Price as a result of having incurred additional expense or Contractor believes that Contractor is entitled to a decrease in Contract Price and the parties are unable to agree as to the amount of any such increase or decrease.

9.2 Schedule of Values

Contractor shall provide a preliminary schedule of values for all of the Work which includes quantities and prices of items, when added together, equal the Contract Price and subdivides the Work into component parts in sufficient detail to serve as the basis for progress payments during performance of the Work. County's Representative will determine the actual quantities and classifications of Unit Price Work performed by Contractor. County's Representative will review with Contractor the County Representative's preliminary determinations on such matters before rendering a written decision thereon (by recommendation of an Application for Payment or otherwise). County Representative's written decision thereon will be final and binding (except as modified by County's Representative to reflect changed factual conditions or more accurate data) upon County and Contractor, subject to

the provisions of paragraph 4.3.

9.3 Progress Payments

County agrees to pay monthly to Contractor, subject to paragraph 9.5, an amount equal to 90% of the sum of the following:

- Cost of the Work in permanent place as of the end of the preceding month.
- Plus costs of materials stored on site but not yet incorporated in the Work.
- Less amounts previously paid.

9.4 Application for Payment

On or before such date of the month as is established by the County's Representative, Contractor shall submit to County's Representative monthly applications for payment, on a form as provided by the County, together with such supporting data, as County requires. Adjusted progress schedules shall be submitted with Applications for payment, and shall be required supporting documentation for the Application for Payment. For each Work item and monthly period, the actual percentages shall be tabulated for Work completed as of the date of the Application for Payment and estimated percentages shall be tabulated for remaining Work and months, if any. Percentages for Unit Price Work shall be calculated based upon the quantities given in the Bid Form, so that upon completion of such Work, or prior thereto, the total of the tabulated percentages for a work item may be greater or less than 100. County's Representative will review the application for payment and submit a Certificate for Payment to County. County will pay to Contractor 90% of the cost of the Work in permanent place and approved by County, less amounts previously paid, **within 20 days after County's Representative's receipt of the Application For Payment** and all required supporting data. The 10% retained by County will be paid to Contractor in the final payment.

9.5 Certificate for Payment

A. If Contractor has made application in accordance with paragraph 9.4, County's Representative shall, not later than 5 working days after the date of receipt of the Application for Payment, issue to County, with a copy to Contractor, a Certificate for Payment for such amount as County's Representative determines to be properly due.

B. Approval of any part of an Application For Payment may be withheld, a Certificate For Payment may be withheld, and all or part of a previous Certificate For Payment may be nullified and that amount withheld from a current Certificate For Payment on account of any of the following:

- Defective Work not remedied.
- Third-party claims against Contractor or County arising from the acts or omissions of Contractor or Subcontractors.
- Stop notices.
- Failure of Contractor to make timely payments due Subcontractors for material or labor.
- A reasonable doubt that the Work can be completed for the balance of the Contract Sum then unpaid.
- Damage to County or Separate Contractor for which Contractor is responsible.
- Reasonable evidence that the Work will not be completed within the Contract Time; and that the unpaid balance of the Contract Sum would not be adequate to cover County's damages for the anticipated delay.
- Failure of Contractor to maintain and update as-built documents.
- Failure of Contractor to submit schedules or their updates as required by the Contract Documents
- Performance of Work by Contractor without properly processed shop drawings.
- Liquidated damages assessed in accordance with Article 8 of the Agreement.
- Any other failure of Contractor to perform its obligations under the Contract Documents.

9.6 Retention

County shall deduct 10% from each Contractor payment as retainage. Retainage may be reduced at the County's discretion, to 5% upon 50% completion of the Work and/or upon recommendation of the Architect/Engineer. All remaining retainage to be paid upon satisfactory completion of all Work, as required by the Contract Documents.

9.7 Beneficial Occupation

County reserves the right, at its option and convenience, to make use of or otherwise occupy all or any part of the Work (Beneficial Occupancy) prior to completion of the Work and upon 10 days' notice to Contractor. Beneficial

Occupancy shall be subject to the following conditions:

A. County's Representative will make an inspection of the portion of the Project to be beneficially occupied and prepare a list of items to be completed or corrected prior to completion of the Contract.

Prior to Beneficial Occupancy, County will issue a certificate of beneficial occupancy on County's form.

- Beneficial Occupancy by County shall not be construed by Contractor as an acceptance by County of that portion of the Work which is to be occupied.
- Beneficial Occupancy by County shall not constitute a waiver of existing claims of County or Contractor against each other.
- Contractor shall provide, in the areas beneficially occupied and on a 24 hour and 7 day week basis as required, utility services, heating, and cooling for systems which are in operable condition at the time of Beneficial Occupancy. All responsibility for the operation and maintenance of equipment shall remain with Contractor while the equipment is so operated. Contractor shall submit to County an itemized list of each piece of equipment so operated with the date operation commences.
- The Warrantee Periods, as defined in paragraph 12.3, will commence upon the first date of actual occupancy or use of portions of the Work actually occupied and equipment or systems fully utilized.
- County shall pay all normal operating and maintenance costs resulting from its use of equipment in areas beneficially occupied.
- County shall pay all utility costs which arise out of the Beneficial Occupancy.
- Contractor shall not be responsible for providing security in areas beneficially occupied.
- County shall use its best efforts to prevent its Beneficial Occupancy from interfering with the conduct of Contractor's remaining Work.
- Contractor shall not be required to repair damage caused by County in its Beneficial Occupancy.
- Except as provided in this Article, there shall be no added cost to County due to Beneficial Occupancy.
- Contractor shall continue to maintain all insurance required by the Contract in full force and effect.

9.8 Substantial Completion

A. "Substantial Completion" means the stage in progress of the Work, as determined by the County's Representative, when the Work is complete and in accordance with the Contract Documents except only for completion of minor items which do not impair County's ability to occupy and fully utilize the Work for its intended purpose.

B. When Contractor gives notice to County's Representative that the Work is substantially complete, unless County's representative determines that the Work is not sufficiently complete to warrant an inspection to determine Substantial Completion, County's Representative will inspect the Work, and prepare and give to Contractor a comprehensive list of items to be completed or corrected before establishing Substantial Completion. Contractor shall proceed promptly to complete and correct items on the list. Failure to include an item on such list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents. County's Representative will make an inspection to determine whether the Work is substantially complete. If County Representative's inspection discloses any item, whether or not included on the list, which must be completed or corrected before Substantial Completion, Contractor shall, before issuance of the Certificate of Substantial Completion, complete or correct such item. Contractor shall then submit a request for another inspection by County's Representative to determine Substantial Completion. Costs for additional inspection by County's Representative shall be deducted from any monies due and payable to Contractor. Neither tentative nor definitive certificates will be issued. However, the procedures set forth in the above paragraph may be used as a prelude to final acceptance.

C. When County's Representative determines that the Work is Substantially Complete, County's Representative will prepare a Certificate of Substantial Completion in County's format, which, when signed by County, shall establish the date of Substantial Completion and the responsibilities of the County and Contractor for security, maintenance, utilities, insurance, and damage to the Work. Unless otherwise provided in the Certificate of Substantial Completion, the Warrantee Period for the Work covered by the Certificate of Substantial Completion shall commence on the date of Final Payment for the Work. Substantial Completion shall not commence the Warrantee Period for any equipment or systems that:

- Are not fully operational (equipment or systems shall not be considered fully operational if they are intended to provide service to any portion of a building which the County has neither Beneficially

- Occupied nor accepted as Substantially Complete; or
- Are not accepted by the County.

The Warrantee Period for systems which become fully operational and accepted subsequent to Substantial Completion will begin on the date of their acceptance by the County.

9.9 Final Completion and Payment

A. Upon receipt of notice from the Contractor that the Work is ready for final inspection, County's Representative will make such inspection. Final Completion shall be when County's Representative determines that the Work is fully completed and in accordance with the Contract Documents. County will file a Notice of Completion within days after Final Completion. After receipt of the final Application For Payment, if County's Representative determines that Final Completion has occurred, County's Representative will issue the final Certificate For Payment.

B. Neither final payment nor any retention shall become due until Contractor submits the following items to County's Representative:

- The final Application For Payment and all submittals required in accordance with 9.4.
- All guarantees and warranties procured by Contractor from Subcontractors, all operating manuals for equipment installed in the project, as-built documents, and all other submittals required by the Contract Documents.

The final payment shall be made, subject to the satisfaction of all other conditions to final payment, within 35 days after the filing of the Notice of Completion.

C. Acceptance of final payment by Contractor shall constitute a waiver of all claims, except those previously made in writing and identified by Contractor as unsettled at the time of the final Application for Payment.

ARTICLE 10

PROTECTION OF PERSONS AND PROPERTY

10.1 Safety Precautions and Programs

Contractor shall be solely responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the performance of the Contract.

10.2 Safety of Persons and Property

Contractor shall take adequate precautions for safety of and shall provide adequate protection to prevent damage, injury, or loss to employees involved in the Work and other persons who may be affected thereby; the Work in place and materials and equipment to be incorporated therein, whether in storage on or off the Project site, under care, custody, or control of Contractor or Subcontractors; and, other property at the Project site and adjoining property. Contractor shall erect and maintain until the acceptance of the Work, as required by existing conditions and performance of the Work, adequate safeguards for safety and protection, including providing adequate lighting and ventilation, posting danger signs and other warnings against hazards, promulgating safety regulations, and notifying owners and users of adjacent sites and utilities. When use or storage of explosives, other hazardous materials, equipment, or unusual methods are necessary for execution of the Work Contractor shall exercise the utmost care and carry on such activities only under the supervision of properly qualified personnel. Contractor shall designate a responsible member of Contractor's organization at the Project site whose duty shall be prevention of accidents. That person shall be the Superintendent, unless otherwise designated by Contractor in writing to County and County's Representative. Contractor shall not load or permit any part of the Work or the Project site to be loaded so as to endanger the safety of persons or property.

10.3 Emergencies

In an emergency affecting the safety of persons or property, Contractor shall act to prevent or minimize injury, damage, or loss. Contractor shall promptly notify County's Representative, which notice may be oral followed by written confirmation, or the occurrence of such an emergency and Contractor's action.

ARTICLE 11

INSURANCE AND BONDS

11.1 Contractors Insurance

A Contractor shall purchase and maintain until final payment property insurance upon the Work at the site. This insurance shall include the interest of the County, Contractor, Subcontractors, Engineer and Engineer's Consultants in the Work (all of whom shall be listed as insureds or additional insured parties), shall insure against the perils of fire and extended coverage, shall include "at risk" insurance for physical loss and damages including theft, vandalism, and malicious mischief, and shall include damages, losses and expenses arising out of or resulting from any insured loss incurred in the repair or replacement of any insured property (included but not limited to fees and charges of engineers, architects, attorneys and other professionals). All of the policies of insurance (and certificates or other evidence of insurance) required to be purchased by the Contractor will contain a provision that the coverage provided will not be materially changed, cancelled, or renewal refused until at least thirty (30) days prior written notice has been given to the County and Contractor and to each other party to whom a certificate of insurance has been issued and will contain waiver provisions in accordance with paragraph 11.3.

B Contractor shall purchase and maintain insurance coverage as required within the Schedule of Insurance Requirements of Exhibit GR-A, attached hereto and made part thereof.

C If required in the Schedule of Insurance Requirements of Exhibit GR-A in Part II of the General Requirements of the Specifications, attached hereto and made a part thereof, Contractor shall purchase and maintain such boiler and machinery insurance or additional property insurance as may be required by the Supplementary Conditions or Laws or Regulations which will include the interests of the County, Contractor, Subcontractors, Engineer, Engineer's Consultants, and any other individuals or entities identified in the Supplemental Conditions, each of whom is deemed to have an insurable interest and shall be listed as an insured or additional insured.

D If the Work requires entry on any railroad right-of-way, insurance coverage and amount of coverage shall be provided in accordance with the requirements of the railroad.

11.2 Insurance Certificates

Before any Work at the site is authorized, Contractor shall deliver to the County Engineer, in triplicate, certificates as evidence of insurance which Contractor is required to purchase and maintain in accordance with the Schedule of Insurance Requirements. The certificates delivered by Contractor shall contain for each insurance policy required the following information: policy number, effective date, names and addresses of insureds, type of coverage, limits of liability, location of operations to which insurance applies, and expiration date. In addition, the certificates shall refer to these Contract Documents and state that the policy or policies provide the coverage and the amount of coverage required by the Contract Documents. Further, the certificates shall state that thirty days prior written notice shall be given to County of cancellation or material change in the policy. If County has any objection to the coverage afforded by or other provisions of the insurance required to be purchased and maintained by Contractor on the basis of its not complying with the Contract Documents, County shall notify Contractor in writing thereof. Contractor shall provide such additional information in respect of information as County may reasonably request, before any Work at the Site is authorized.

11.3 Waiver of Rights

A County and Contractor intend that all policies purchased in accordance with paragraph 11.1 will protect County, Contractor, Subcontractors, Engineer, Engineer's Consultants, and all other individuals or entities identified in the Supplementary Conditions to be listed as insureds or additional insureds (and the officers, directors, partners, employees, agents, and other consultants and subcontractors of each and any of them) in such policies and will provide primary coverage for all losses and damages caused by the perils or causes of loss covered thereby. All such policies shall contain provisions to the effect that in the event of payment of any loss or damage the insurers will have no rights of recovery against any of the insureds or additional insureds thereunder. County and Contractor waive all rights against each other and their respective officers, directors, partners, employees, agents, and other consultants and subcontractors of each and any of them for all losses and

damages caused by, arising out of or resulting from any of the perils or causes of loss covered by such policies and any other property insurance applicable to the Work; and, in addition, waive all such rights against Subcontractors, Engineer, Engineer's Consultants, and all other individuals or entities identified in the Supplementary Conditions to be listed as insureds or additional insureds (and the officers, directors, partners, employees, agents, and other consultants and subcontractors of each and any of them) under such policies for losses and damages so caused. None of the above waivers shall extend to the rights that any party making such waiver may have to the proceeds of insurance held by County as trustee or otherwise payable under any policy so issued.

B. County waives all rights against Contractor, Subcontractor, Engineer, Engineer's Consultants, and the officers, directors, partners, employees, agents, and other consultants and subcontractors of each and of them for:

- loss due to business interruption, loss of use, or other consequential loss extending beyond direct physical loss or damage to County's property or the Work caused by, arising out of, or resulting from fire or other peril whether or not insured by County; and
- loss or damage to the completed Project or part thereof caused by, arising out of, or resulting from fire or other insured peril or cause of loss covered by any property insurance maintained on the completed Project or part thereof by County during partial utilization pursuant to paragraph 9.7, after Substantial Completion pursuant to paragraph 9.8, or after final payment pursuant to paragraph 9.9.

11.4 Receipt and Application of Insurance Proceeds

A. Any insured loss under the policies of insurance required by paragraph 11.2 will be adjusted with County and made payable to County as fiduciary for the insureds, as their interests may appear, subject to the requirements of any applicable mortgage clause and of paragraph 11.3B. County shall deposit in a separate account any money so received and shall distribute it in accordance with such agreement as the parties in interest may reach. If no other special agreement among the parties in interest is reached, the damaged Work shall be repaired or replaced, the money's so received on account thereof, and the Work and the cost thereof covered by an appropriate Change Order or Written Amendment.

B. County as fiduciary shall power to adjust and settle any loss with the insurers unless one of the parties in interest shall object in writing within 15 days after the occurrence of loss to County's exercise of this power. If no such objection is made, County, as fiduciary shall adjust and settle the loss with the insurers and, if required in writing by any party in interest, County as fiduciary shall give bond for the proper performance of such duties.

11.5 Performance Bond and Labor/Material Bond

Contractor shall furnish separate Performance and Payment Bonds, each in an amount equal to 100 percent of the Contract Price, on forms included in the Contract Documents as exhibits to the Agreement. The penal sum of each such bond shall be issued by a surety company licensed to do business in South Carolina and listed by the Department of Treasury (also known as a "T" listed surety) with an "A" minimum rating in performance, as stated in the most current publication of Best's Key Rating Guide. Each bond shall be accompanied by a power of attorney, authorizing the attorney in fact to bind the surety certified, in include the date of the bond. The bond shall be dated on or after the date of the contract. The Contractor shall have a maximum of 21 days from the date of notice of intent to award to deliver the performance and payment bonds, certificates of insurance, and the contract to the Owner. Failure to deliver these documents as required shall entitle the Owner to consider the bid unresponsive and declare the bid security forfeited.

ARTICLE 12

UNCOVERING AND CORRECTION OF WORK

12.1 Uncovering of Work

A. If a portion of the Work is covered contrary to County Representative's request or direction, or contrary to the requirements of the Contract Documents, it must, if required in writing by the County's Representative, be uncovered for County Representative's observation and be replaced at Contractor's expense without adjustment

of the Contract Time or the Contract Sum.

B. If a portion of the Work has been covered, which is not required by the Contract Documents to be observed or inspected prior to its being covered and which County's Representative has not specifically requested to observe prior to its being covered, County's Representative may request to see such Work and it shall be uncovered and replaced by the Contractor. If such Work is in accordance with the Contract Documents, the costs of uncovering the Work and replacing the Work shall be added to the contract sum by Change Order; and if the uncovering and replacing the Work extends the Contract Time, an appropriate adjustment of the Contract Time shall be made by Change Order. If such Work is not in accordance with the Contract Documents, Contractor shall pay such costs and shall not be entitled to an adjustment of the Contract Time or Contract Sum.

12.2 Correction of Defective Work

Contractor shall (1) correct Defective Work that becomes apparent during the progress of the Work or during the Warrantee Period and (2) replace, repair, or restore to County's satisfaction any parts of the Work and any other real or personal property which is damaged or destroyed as a result of Defective Work or the correction of Defective Work. Contractor shall promptly commence such correction, replacement, repair, or restoration upon notice from County's Representative or County, but in no case later than 10 days after receipt of such notice; and Contractor shall diligently and continuously prosecute such correction to completion. Contractor shall bear all costs of such correction, replacement, repair, or restoration, and all Losses resulting from such Defective Work, including additional testing, inspection, and compensation for County's Representatives services and expenses. Contractor shall perform corrective Work at such times that are acceptable to County and in such a manner as to avoid, to the extent practicable, disruption to County's activities.

12.3 Warrantee Period

The Contractor and his Surety shall unconditionally warrant and guarantee all workmanship and materials of the entire Contract to be and remain free of defects for a period of one year from the date of Final Payment.

12.4 Warrantee Inspection

The Contractor (or General Contractor and requested subcontractors) shall attend a warrantee inspection during the year following project completion. The inspection will be scheduled by the County for a date approximately nine months after the date of the Certificate of Substantial Completion. The Contractor shall take immediate action to remedy all warranty items identified during the inspection.

ARTICLE 13

TERMINATION OR SUSPENSION OF THE CONTRACT

13.1 Suspension of Work

At any time and without cause, County may suspend the Work or any portion thereof by notice in writing to Contractor and Engineer which will fix the date on which Work will be resumed. Contractor shall resume the Work on the date so fixed. Contractor shall be allowed an extension of the Contract Times equal to the duration of the suspension of the Work.

13.2 Termination for Cause

- A. The occurrence of any one or more of the following events will justify termination for cause:
- Contractor's persistent failure to perform the Work in accordance with the Contract Documents (including, but not limited to, failure to supply sufficient skilled workers or suitable materials or equipment or failure to adhere to the progress schedule established under paragraph 3.9 as adjusted from time to time pursuant to paragraph 8.4);
 - Contractor's disregard of Laws or Regulations of any public body having jurisdiction;
 - Contractor's disregard of the authority of ENGINEER; or
 - Contractor's violation in any substantial way of any provisions of the Contract Documents.
- B. If one or more of the events identified in paragraph 13.2.A occur, County may, after giving Contractor (and the surety, if any) seven days written notice, terminate the services of Contractor, exclude Contractor from the

Site, and take possession of the Work and of all Contractor's tools, appliances, construction equipment, and machinery at the Site, and use the same to the full extent they could be used by Contractor (without Liability to Contractor for trespass or conversion), incorporate in the Work all materials and equipment stored at the Site or for which County has paid Contractor but which are stored elsewhere, and finish the Work as County may deem expedient. In such case, Contractor shall not be entitled to receive any further payment until the Work is finished. If the unpaid balance of the Contract Price exceeds all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) sustained by County arising out of or relating to completing the Work, such excess will be paid to Contractor. If such claims, costs, losses, and damages exceed such unpaid balance, Contractor shall pay the difference to County. Such claims, costs, losses, and damages incurred by County will be reviewed by Engineer as to their reasonableness and, when so approved by Engineer, incorporated in a Change Order. When exercising any rights or remedies under this paragraph.

C. Where Contractor's services have been so terminated by County, the termination will not affect any rights or remedies of County against Contractor then existing or which thereafter accrue. Any retention or payment of monies due Contractor by County will not release Contractor from liability.

13.3 Termination for Convenience

A. Upon seven days written notice to Contractor and Engineer, County may, without cause and without prejudice to any other right or remedy of County, elect to terminate the Contract. In such case, Contractor shall be paid (without duplication of any items):

- for completed and acceptable Work executed in accordance with the Contract Documents prior to the effective date of termination, including fair and reasonable sums for overhead and profit on such Work; for expenses sustained prior to the effective date of termination in performing services and furnishing labor, materials, or equipment as required by the Contract Documents in connection with uncompleted Work, plus fair and reasonable sums for overhead and profit on such expenses; for all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) incurred in settlement of terminated contracts with Subcontractors, Suppliers, and others.
- for reasonable expenses directly attributable to termination.

B. Contractor shall not be paid on account of loss of anticipated profits or revenue or other economic loss arising out of or resulting from such termination.

ARTICLE 14 MISCELLANEOUS PROVISIONS

14.1 Governing Law

The Contract shall be governed by the laws of the State of South Carolina.

14.2 Successors and Assigns

County and Contractor respectively bind themselves and their successors, permitted assigns, and legal representatives to the other party and to the successors, permitted assigns, and legal representative as of such other partying respect to covenants, agreements, and obligations contained in the Contract Documents. Neither party to the Contract shall assign the Contract, in whole or in part, without prior written consent of the other party. Notwithstanding any such reassignment, each of the original contracting parties shall remain legally responsible for all its obligations under the Contract.

14.3 Rights and Remedies

All rights and remedies of County under the Contract are cumulative with all other rights and remedies of County under the Contract or at law or in equity. No act or failure to act by County or County's Representative shall constitute a waiver of a right under the Contract, or approval of or acquiescence in a breach thereunder, except as may be specifically agreed in writing. No waiver by County or County's Representative of any breach or default shall constitute a waiver of any other breach or default nor constitute a continuing waiver. No provision contained in the Contract Documents shall create or give third parties any claims or right of action against County, County's Representative, or Contractor.

14.4 Survival

The provisions of the Contract which by their nature survive termination of the Contract or Final Completion, including all warranties, indemnities, and payment obligations, shall remain in full force and effect after Final Completion or any termination of the Contract.

14.5 Complete Agreement

The Contract Documents constitute the full and complete understanding of the parties and supersede and previous agreements or understandings, oral or written, with respect to the subject matter hereof. The Contract may be modified only by a written instrument signed by both parties or as provided in Article 7.

14.6 Severability of Provisions

If any one or more of the provisions contained in the Contract Documents should be invalid, illegal, or unenforceable in any respect, the validity, legality, and enforceability of the remaining provisions contained herein shall not in any way be affected or impaired thereby.

14.7 Notices

All notices, demands, and other communications given under the Contract shall be in writing addressed to the respective parties at the addresses set forth in the Contract Documents, and shall be deemed given upon actual receipt or, in the case of registered or certified mail, on the date shown on the return receipt when delivery during normal business hours was made or attempted. Addresses may be changed by notice given in accordance with this provision.

14.8 Patents and Royalties

A. Contractor shall pay all license fees and royalties and assume all costs incident to the use in the performance of the Work or the incorporation in the Work of any invention, design, process, product, or device which is the subject of patent rights or copyrights held by others. If a particular invention, design, process, product, or device is specified in the Contract Documents for use in the performance of the Work and if to the actual knowledge of County or Architect/Engineer its use is subject to patent rights or copyrights calling for the payment of any license fee or royalty to others, the existence of such rights shall be disclosed by County in the Contract Documents. County or Architect/Engineer have no actual knowledge of any license fee or royalty due on any material or equipment specified in the Contract Documents.

B. To the fullest extent permitted by Laws and Regulations, Contractor shall indemnify and hold harmless County, County's officers, agents, employees, Architect/Engineer, Architect's/Engineer's consultants, and the officers, directors, partners, employees or agents, and other consultants of each and any of them from and against all claims, costs, losses, and damages (including but not limited to all fees and charges of engineers, architects, attorneys, and other professionals and all court or arbitration or other dispute resolution costs) arising out of or relating to any infringement of patent rights or copyrights incident to the use in the performance of the Work or resulting from the incorporation in the Work of any invention, design, process, product, or device not specified in the Contract Documents. If the Contractor uses any design, device or materials covered by letters, patent or copyright, he shall provide for such use by suitable agreement with the owner of such patented or copyrighted design, device or material. It is mutually agreed and understood, that without exception, the Contract Sum shall include all royalties or costs arising from and the use of such design device or materials, in any way involved in the Work.

ARTICLE 15

STATUTORY LANGUAGE REQUIREMENTS

15.1 Scope

The paragraphs under this article 15 contain language mandatory for public contracts under the laws of the State of South Carolina. Nothing in these paragraphs shall be construed to relieve Contractor of responsibility, to comply with all Laws and Regulations as set forth in the Contract Documents.

15.2 Affirmative Action

During the performance of this Contract, the Contractor agrees as follows:

The contractor or subcontractor, where applicable, will not discriminate against any employee or applicant for employment because of age, race, creed, color, national origin, ancestry, marital status or sex. The contractor will take affirmative action to ensure that such applicants are recruited and employed, and that employees are treated during employment, without regard to their age, race, creed, color, national origin, ancestry, marital status or sex. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places available to employees and applicants for employment, notices to be provided by the Public Agency Compliance Officer setting forth revisions of this nondiscrimination clause. The contractor or subcontractor, where applicable will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to age, race, creed, color, national origin, ancestry, marital status or sex.

GENERAL PROVISIONS

The General Provisions of the Contract shall be as listed in the South Carolina State Highway Division, Standard Specifications for Highway Construction, Edition of 2007, Section 100 General Provisions, Sections 101 - 109.10 inclusive, except as noted & amended elsewhere herein.

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SCHEDULE OF INSURANCE REQUIREMENTS

1. **INSURANCE REQUIREMENTS**: Prior to commencing work/delivery hereunder, contractor/vendor, at his expense, shall furnish insurance certification showing the certificate holder as Beaufort County, P. O. Drawer 1228, Beaufort, SC 29901, Attention: Risk Management Director, and with a special notation naming Beaufort County as an additional insured on the liability coverages. Minimum coverage shall be as follows:

- 1.4 **Worker's Compensation Insurance** – Contractor shall have and maintain, during the life of this contract, Worker's Compensation Insurance for his or her employees connected to the work/delivery, in accordance with the Statutes of the State of South Carolina and any applicable laws. Employers Liability minimum limits required \$500,000
- 1.5 **Commercial General Liability Insurance** - Contractor shall have and maintain, during the life of this contract, Commercial General Liability Insurance. Said Commercial General Liability Policy shall contain Contractual Liability and Products/Completed Operations Liability subject to the following minimum limits: \$1,000,000 Each Occurrence/ \$2,000,000 General Aggregate and \$2,000,000 Products/Completed Operations Aggregate naming Beaufort County as an additional insured.
- 1.6 **Comprehensive Automobile Liability Insurance** – The Contractor shall have and maintain, during the life of this contract, Comprehensive Automobile Liability, including non-owned and hired vehicles, of at least \$1,000,000 COMBINED SINGLE LIMIT.

1.3.1 **ADDITIONAL INSURANCE REQUIREMENTS**: Umbrella Liability Insurance – Contractor shall have and maintain, during the life of this contract, Umbrella Liability Insurance with a minimum limit of \$2,000,000

1.3.2: Professional Liability (Errors & Omissions): Professional Liability Insurance protects against losses that occur when a “professional” errors in judgement, planning, and design could result in economic loss to the entity or county. In order to determine if Professional Liability should be required ask yourself: Is the professional licensed or certified (i.e. architects, consultants, auditors, attorneys, engineers, etc.)? Required if a contractor is performing any type of design/build for a particular project.

The vendor shall maintain a limit no less than \$1,000,000 per occurrence:

- 1.4 The required insurance policy at the time of issue must be written by a company licensed to do business in the State of South Carolina and be acceptable to the County.
- 1.5 The Contractor/vendor shall not cause any insurance to be canceled or permit any insurance to lapse. All insurance policies shall contain a clause to the effect that the policy shall not be canceled or reduced, restricted or limited, until fifteen (15) days after the County has received written notice, as evidenced by return receipt of registered or certified letter. Certificates of Insurance shall contain transcript from the proper office of the insurer, the location, and the operations to which the insurance applies, the expiration date, and the above-mentioned notice of cancellation clause.
- 1.6 The information described above sets forth minimum amounts and coverages and is not to be construed in any way as a limitation on the Contractor's liability.

SPECIAL PROVISIONS

Sam's Point Turn Lane

1. **The ENGINEER shall verify the amount of work completed on the above referenced projects with the CONTRACTOR before Progress Payments are issued.**
2. **There shall be no pre-qualifications of the Bidders.**
3. **Progress and Shop Drawing Schedules**

Before starting construction the **CONTRACTOR** shall be required to submit a base line project schedule and shop drawings as follows:

- A. Before commencement of work the **CONTRACTOR** shall submit either a computerized schedule in an approved tracking format of the work necessary to complete the project to the **ENGINEER** for review at the time of the preconstruction meeting **OR** a complete construction narrative describing all elements the work including durations and resources necessary for the successful and timely completion of the project. The computerized software if used will be Microsoft Project, SureTrac/Primavera or equal. The schedule shall be a form approved by the **ENGINEER** indicating the estimated start time and end dates of each major item or phase of the work.
- B. Monthly progress schedule updates are required and may be a bar chart of type acceptable to the **ENGINEER** as to form and substance or a narrative. All costs for furnishing and updating the progress schedule shall be included in the price bid for the various Pay Items scheduled in the Bid Document.
- C. The **CONTRACTOR** shall also submit to the **ENGINEER** a schedule of Shop Drawing submissions for all fabricated materials which are to be incorporated into permanent construction and which are not furnished by the County. Such Detail drawings shall become property of the County.
- D. Failure to provide timely updates and shop drawings may result in the withholding of progress payments.

4. **Progress and Job-Site Meetings**

A **mandatory** Construction Progress Meeting attended by the **CONTRACTOR** and **ENGINEER** will be conducted two weeks after the Notice To Proceed has been issued to the **CONTRACTOR**, followed by **semi-monthly (twice a month)** progress meetings. The meeting time and place will be determined at the Preconstruction meeting prior to the start of construction.

5. Survey and Stakeouts

The **CONTRACTOR** shall do all surveying and stakeout work required to construct all elements of the Project as stated in the **Supplemental Conditions, Section 104** of the Contract Documents. The **CONTRACTOR** is responsible for the accuracy of all survey and stakeout work including verification of existing reference points. The **CONTRACTOR** shall furnish any copies of survey notes requested by the **ENGINEER**. This work shall include finish grade and offset stakes, to be set throughout the project and shall be provided by the **CONTRACTOR's** Land Surveyor.

6. Supervision and Superintendence

The work and the work site shall be under the direct charge and direction of the **CONTRACTOR**. The **CONTRACTOR** shall give sufficient superintendence to the Work, using the best skill and attention. The **CONTRACTOR** shall at all times keep on the site, during its progress, a necessary Forepersons and Assistants, all satisfactory to the **ENGINEER**. The Superintendent shall represent and have full authority to act for the **CONTRACTOR** in the latter's absence, and the directions given to the Superintendent shall be as binding as though given to the **CONTRACTOR**. The same shall apply to the Forepersons during the absence of both the **CONTRACTOR** and the Superintendent. The Superintendent shall not be changed during the performance of the Work covered by the Contract Documents except with written consent of the **ENGINEER** unless the Superintendent proves to be unsatisfactory to the **CONTRACTOR** and ceases to be in its employ.

- A. Should the **ENGINEER**, at any time, give notice in writing to the **CONTRACTOR** or its representative on the Work that any employee is insolent, disorderly, careless, unobservant of the instructions, dishonest, or in any way a detriment to the satisfactory progress of the Work, such employee shall at once be removed from the Project and not again be allowed to engage in any part of the Work.
- B. The **CONTRACTOR** shall be required to organize, manage, and supervise its own work and to coordinate the work of its subcontractors. On all multi-contract projects, all prime contractors shall be required to organize, manage, and supervise their own work. On all multi-contract projects, all prime contractors shall cooperate with the County and other prime contractors in the overall coordination and supervision of the project.

7. Construction Notes

- A. **CONTRACTOR** to contract all utility companies before any work commences. Verify utilities within project area.
- B. All work shall conform to the applicable Federal, State, and Local requirements and codes.
- C. Temporary control of storm water drainage shall be the responsibility of the general contractor, and shall be maintained throughout the period of the construction.
- D. All traffic control devices shall be in accordance with the Manual on Uniform Traffic Control Devices for Streets and Highways, Edition 2009 & current SCDOT

Standard Drawings for Work Zone Traffic Control Requirements.

- E. In the event of a conflict with a sewer, water, drainage, or other utility lines or services, the **CONTRACTOR** shall coordinate with the affected utility and the **ENGINEER** and shall field adjust as directed.
- F. Any utilities that are damaged and are not to be removed shall be paid for or replaced at the **CONTRACTOR'S** expense.
- G. Location, existence, or non-existence of any utility does not constitute responsibility of the **ENGINEER**.
- H. The location of any shown utilities is approximate.
- I. All watercourse ditch excavation quantities will be monitored by the **ENGINEER**.

8. Material Testing

- A. Successful Contractor will be responsible for asphalt compaction testing. A third party inspection firm hired by the **OWNER** will provide all other quality control materials testing and inspection.

9. Substantial Completion of Work

Substantial Completion of Work is the point in the project when work has been constructed to the typical section in the Plans over the entire length of the project including tie-ins, all pay items have been installed in reasonable conformance with the plans and specifications over the entire length of the project and all lanes of traffic are open to the public in their final configuration with the final applications of thermoplastic and raised pavement markers with the only remaining work to be performed being punch list items.

10. Standard Drawings

The Bidders are hereby advised that this project shall be constructed using the 2013 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/sc_Disclaimer.aspx. 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 specification, 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.

11. **Qualified Product Listings**

All references to “Approval Sheet” or “Approval Policy” are to be replaced with “Qualified Products Listing (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 website, and all other documents produce by SCDOT.

12. **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 arrangements 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 Services at **811** or 1-888-721-7877 three (3) days prior to work so that existing utilities can be properly marked.

13. **Required Media Notification for Construction Projects**

CONTRACTOR is 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 disrupted 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 new 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 in order to accomplish this. The **CONTRACTOR** may coordinate these activities with and receive guidance from the SCDOT Public Affairs Office.

14. Subletting of Contracts (Specialty Items)

The following items of work, when not performed by the Prime CONTRACTOR, will be designated as Specialty Items in all contracts in which the item does not constitute thirty percent (30%) or more of the original contract value:

Pavement Markings

Contaminated Soil & Tank Removal

Bridge Barrier Walls

Traffic Count Stations

Drilled Shafts & Casings

Pier Fender Systems

Permanent Roadway Signs

Signalization

Electrical/Lighting

Specialized Retaining Walls

Fencing

Right of Way Surveying

Railroad Track Work

Guardrails

Jacking and Boring

Bridge Floor Grooving

Milled Rumbled Strips

Buildings

Navigational Lighting

Sound Barrier Walls

Landscaping

Erosion Control

Permanent Construction Signs

Utilities

Milling Asphalt Pavement

Grassing

15. **Partnering**

A. **Covenant of Good Faith and Fair Dealing**

This Contract imposes an obligation of good faith and fair dealing in its performance and enforcement

The Contractor and County, with a positive commitment to honesty and integrity, agree to the following duties:

1. Each will function within the laws and statutes applicable to their duties and responsibilities
2. Each will avoid hindering the other's performance.
3. Each will proceed to fulfill its obligations diligently.
4. Each will cooperate in the common endeavor of the Contract.

B. **Partnering**

The County encourages the foundation of cohesive partnering with the CONTRACTOR and its principle subcontractors and suppliers. This partnering is not a legal partnership as defined by South Carolina law. Partnering will be structured to draw on the strengths of each organization to identify and achieve reciprocal goals. The objectives are effective and efficient contract performance and completion within budget, on schedule, and in accordance with the Contract.

The establishment of a partnering charter will not change the legal relationship of the parties to the contract nor relieve either party from any of the terms of the Contract.

Any cost associated with effectuating partnering will be agreed to by the County and the CONTRACTOR and will be shared equally between them.

16. **Critical Path Method Construction Schedules**

See attached Supplemental Specification date November 4, 2013 on page 88.

This Project is a Level 1 project.

17. **Failure to Complete the Work on Time**

If the CONTRACTOR fails to substantially complete the work by the contract completion date, the CONTRACTOR is liable for liquidated damages. Liquidated damages will be assessed for each day beyond the contract completion date that work items are not completed. This includes the application of thermoplastic, raised pavement parkers and grassing. Days to be charged for liquidated damages will not stop due to seasonal restrictions. The daily liquidated damages rate is determined from the following schedule. The date of substantial completion is determined by the ENGINEER.

The punch list must be completed within 30 days of the final inspection unless another time frame is agreed upon the ENGINEER and CONTRACTOR at the final inspection. Seasonal restrictions and

temperatures may be considered for individual items. Failure to complete the punch list may result in the ENGINEER charging liquidated damages at the specified rate for any punch list item remaining incomplete beyond 30 days. Liquidated damages will be applied daily until all items are complete. If a final inspection is held prior to the contract completion date, liquidated damages shall not be charged prior to the contract completion date for incomplete punch list items.

18. Retainage

A 10% retainage amount will be held from all payments to the **CONTRACTOR**. At a time the project is 75% complete, the contractor can request the retainage be reduced to 5%. 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 will be sufficient to cover anticipated liquidated damages and the cost to correct defective work.

19. Prompt Payment Clause

See Supplemental Specification dated January 5, 2012 on page 102.

20. Construction Estimates

See Special Provision dated November 10, 1999 on page 103.

21. Fine Grading

See Supplemental Specification dated January 4, 2012 on page 104.

22. 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.

23. Transportation and Delivery of Mixes

See Supplemental Specification dated July 1, 2010 on page 105.

24. 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.

25. Traffic Control

See Supplemental Specification dated January 3, 2013 on page 106.

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 approved by the County. Final approval of any revisions to the traffic control plan shall be pending upon review by the Director of Traffic Engineering.

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 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 bottom of the sign to the ground. All signs mounted on ground mounted u-channel posts or square steel tube posts shall have a minimum mounting height of 7' from the bottom of the sign to the grade elevation of the near edge of the adjacent travel lane or sidewalk when a sidewalk is present.

On multilane primary routes, avoid placement of signs mounted on portable sign supports within paved median areas utilized for two-way left turns unless otherwise directed by the ENGINEER. When mounting signs on multiple ground mounted sign supports, ensure that each post is of the same type. Combining and installing both ground mounted u-section and square steel tube posts within the same sign assembly is prohibited.

When mounting signs on ground mounted u-section or square steel tube posts, utilize either a sign support / ground support post combination with an approved breakaway assembly or a single direct driven post for each individual sign support of a sign assembly installation. Do not combine a sign support / ground support post combination and a direct driven post on the same sign assembly installation that contains two or more sign supports. Regarding sign support / ground support post combination installations, ensure that post lengths, stub heights and breakaway assemblies comply with the manufacturer's requirements and specifications. Use approved breakaway assemblies found on the *Approved Products List for Traffic Control Devices in Work Zones*.

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 County 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.

Overlays are prohibited on all rigid construction signs. The legends and borders on all rigid construction signs shall be either reversed screened or direct applied.

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 "Grooved Pavement" signs (W8-15-48) supplemented with the "Motorcycle" plaque (W8-15P-30) in advance of milled or surface planed pavement surfaces. On primary routes, install these signs no further than 500 feet in advance of the beginning of the pavement condition. On interstate routes, install these signs no less than 500 feet in advance of the beginning of the pavement condition. Install two sign assemblies at each sign location, one on each side of the roadway, on multilane roadways when the pavement condition is present. Install these signs immediately upon creation of this pavement condition and maintain these signs until this pavement condition is eliminated.

Install "Steel Plate Ahead" signs (W8-24-48) in advance of an area of roadway where temporary steel plates are present. Install these signs no further than 300 feet in advance of locations where steel plates are present. On multilane roadways, comply with the same guidelines as applied to all other advance warning signs and install two sign assemblies at each sign location, one on each side of the roadway, when roadway conditions warrant. Install these signs immediately upon installation of a temporary steel plate and maintain the signs until the temporary steel plates are removed.

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.

During nighttime flagging operations, flaggers shall wear a safety vest and safety pants that comply with the requirements of ANSI / ISEA 107 standard performance for Class 3 risk exposure, latest revision, and a fluorescent hard hat. The safety vest and the safety pants shall be retro-reflectorized and the color of the background material of the safety vest and safety pants shall be fluorescent orange-red or fluorescent yellow-green.

During nighttime flagging operations, the contractor shall illuminate each flagger station with any combination of portable lights, standard electric lights, existing street lights, etc., that will provide a minimum illumination level of 108 Lx or 10 fc.

During nighttime flagging operations, supplement the array of advance warning signs with a changeable message sign for each approach. These changeable message signs are not required during daytime flagging operations. Install the changeable message signs 500' in advance of the advance warning sign arrays. Messages should be "Flagger Ahead" and "Prepare To Stop".

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 County 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 planning and milling operations, the County 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 surface planning and milling 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 lane closure restrictions stated below are project specific, for all other restrictions, see supplemental specification, “Restrictions”, dated January 3, 2013.

The CONTRACTOR shall install all lane closures as directed by the 2007 Standard Specifications For Highway Construction, 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 County prohibits lane closures on primary routes during any time of the day that traffic volumes exceed 800 vehicles per hour per direction. The County 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.

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 County 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.

Installation and maintenance of a lane closure is PROHIBITED when the CONTRACTOR is not actively engaged in work activities specific to the location of the lane closure unless otherwise specified and approved by the ENGINEER. The length of the lane closure shall not exceed the length of roadway anticipated to be subjected to the proposed work activities within the work shift time frame or the maximum lane closure length specified unless otherwise approved by the ENGINEER. Also, the maximum lane closure length specified does not warrant installation of the specified lane closure length when the length of the lane closure necessary for conducting the work activity is less. The length and duration of each lane closure, within the specified parameters, shall require approval by the ENGINEER prior to installation. The length and duration of each lane closure may be reduced by the ENGINEER if the work zone impacts generated by a lane closure are deemed excessive or unnecessary.

The presence of temporary signs, portable sign supports, traffic control devices, trailer mounted equipment, truck mounted equipment, vehicles and vehicles with trailers relative to the installation or removal of a closure and personnel are prohibited within the 15 to 30 foot clear zone based upon the roadway speed limit during the prohibitive hours for lane closures specified by these special provisions.

TYPICAL TRAFFIC CONTROL STANDARD DRAWINGS -

The typical traffic control standard drawings of the “Standard Drawings For Road Construction”, although compliant with the MUTCD, shall take precedence over the MUTCD. The typical traffic

control standard drawings of the “Standard Drawings For Road Construction” shall apply to all projects let to contract.

Install the permanent construction signs as shown on the typical traffic control standard drawings designated for permanent construction signing.

ADDENDUMS

(Addendums to the “2007 Standard Specifications for Highway Construction”)

(A) Construction (Sub-section 601.4)

Sub-section 601.4.2 Construction Vehicles (paragraph 2) -

When working within the rights-of-way of access-controlled roadways such as Interstate highways, the Contractor’s vehicles may only change direction of travel at interchanges. These vehicles are prohibited from crossing the roadway from right side to median or vice versa. Use a flagger to control the Contractor’s vehicles when these vehicles attempt to enter the roadway from a closed lane or the median area. Ensure that the flagger does not stop traffic, cause traffic to change lanes, or affect traffic in any manner. The Contractor’s vehicles may not disrupt the normal flow of traffic or enter the travel lane of the roadway until a sufficient gap is present.

The Contractor shall have flaggers available to control all construction vehicles entering or crossing the travel lanes of secondary and primary routes. The RCE shall determine the necessity of these flaggers for control of these construction vehicles. The RCE shall consider sight distance, vertical and horizontal curves of the roadway, prevailing speeds of traffic, frequency of construction vehicles entering or crossing the roadway, and other site conditions that may impact the safety of the workers and motorists when determining the necessity of these flaggers. Ensure that these flaggers do not stop traffic, cause traffic to change lanes, or affect traffic in any manner. The Contractor’s vehicles may not disrupt the normal flow of traffic or enter the travel lane of the roadway until a sufficient gap is present.

(B) Construction (Sub-section 601.4)

Sub-section 601.4.2 Construction Vehicles -

Auxiliary Warning Lights for Vehicles and Equipment -

Supplement all construction and/or construction-related vehicles and equipment that operate in a stationary or mobile work zone within or adjacent to a roadway within the highway rights-of-way with AMBER or YELLOW colored high intensity rotating or strobe type flashing auxiliary warning light devices. Utilize, install, operate and maintain a single or multiple lighting devices as necessary to provide visibility to approaching motorists.

All auxiliary warning light models shall meet *Society of Automotive Engineers* (SAE) Class I standards and SAE Standard J575 relative to *Tests for Motor Vehicle Lighting Devices and*

Components and these specifications.

The amber/yellow color of the dome/lens of an auxiliary warning light device shall meet SAE Standard J578 for amber/yellow color specifications

Auxiliary warning lights with parabolic reflectors that rotate shall rotate around a halogen lamp at a rate to produce approximately 175 flashes per minute. The parabolic reflector shall produce a minimum 80,000 candle power and a minimum 54,000 candela through an SAE Standard J846 approved amber dome.

Equip strobe type flashing auxiliary warning light devices with photosensitive circuit controls to adjust the lighting intensity in response to changes in ambient light conditions such as from day to night. These lights shall have a double-flash capability rated at approximately 80 double flashes per minute and produce a minimum 24 joules of flash energy at the highest power level setting.

Acceptable auxiliary warning light models shall provide sufficient light output to be clearly recognizable at a minimum distance of 1750 feet.

Mount all auxiliary warning light devices intended to function as the auxiliary warning light system or as an element thereof on vehicles and equipment at locations no less than 3 feet above the ground and in conspicuous locations to provide visibility to approaching motorists.

Auxiliary warning light devices and/or models that mount in the locations of the standard vehicle lighting system are unacceptable as the specified auxiliary warning light system due to restrictive simultaneous visibility capabilities from multiple sight angles. However, auxiliary warning light devices that mount in the standard vehicle lighting system locations are acceptable as supplements to the specified lighting devices mounted in locations that do meet the minimum height requirements and provide simultaneous visibility capabilities from multiple sight angles.

Standard vehicle hazard warning lights are only permitted as supplements to the specified auxiliary warning light devices.

(C) Category I Traffic Control Devices

Sub-section 603.2.2 Oversized Traffic Cones (paragraph 6)-

Reflectorize each oversized traffic cone with 4 retroreflective bands: 2 orange and 2 white retroreflective bands. Alternate the orange and white retroreflective bands, with the top band always being orange. Make each retroreflective band not less than 6 inches wide. Utilize Type III

– Microprismatic retroreflective sheeting for retroreflectorization on all projects let to contract after May 1, 2010 unless otherwise specified. Separate each retroreflective band with not more than a 2-inch non-reflectorized area. Do not splice the retroreflective sheeting to create the 6-inch retroreflective bands. Apply the retroreflective sheeting directly to the cone surface. Do not apply the retroreflective sheeting over a pre-existing layer of retroreflective sheeting.

Sub-section 603.2.3 Portable Plastic Drums (paragraph 3)-

Reflectorize each drum with Type III – Microprismatic retroreflective sheeting: 2 orange and 2 white retroreflective bands, 6 inches wide on all projects let to contract after May 1, 2010 unless otherwise

specified. Alternate the orange and white retroreflective bands with the top band always being orange. Ensure that any non-reflectorized area between the orange and white retroreflective bands does not exceed 2 inches. Do not splice the retroreflective sheeting to create the 6-inch retroreflective bands. Apply the retroreflective sheeting directly to the drum surface. Do not apply the retroreflective sheeting over a pre-existing layer of retroreflective sheeting.

(D) Category II Traffic Control Devices (Section 604) –

***** (Effective on all projects let to contract after May 1, 2012) *****

Sub-section 604.2.1 Type I and Type II Barricades (paragraph 3) –

Reflectorize these barricades with Type VIII or IX Prismatic retroreflective sheeting on all projects let to contract after May 1, 2012 unless otherwise specified. Ensure that the retroreflective sheeting has alternate orange and white stripes sloping downward at a 45-degree angle in the direction of passing traffic. The stripes shall be 6 inches wide.

Sub-section 604.2.2 Type III Barricades (paragraph 3) –

Reflectorize these barricades with Type VIII or IX Prismatic retroreflective sheeting on all projects let to contract after May 1, 2012 unless otherwise specified. Ensure that the retroreflective sheeting has alternate orange and white stripes sloping downward at a 45-degree angle. Apply the sloping orange and white stripes in accordance with the requirements of the Plans, SCDOT Standard Drawings and the MUTCD. The stripes shall be 6 inches wide.

(E) Truck-Mounted Attenuator (Sub-section 605.4.2.2) –

Sub-section 605.2.2.2.3.3 Color (paragraph 1) -

Use industrial grade enamel paint for cover of the metal aspects of the unit. Provide and attach supplemental striping to the rear face of the unit with a minimum Type III high intensity retroreflective sheeting unless otherwise directed by the County. Utilize an alternating 4 to 8 inch black and 4 to 8 inch yellow 45-degree striping pattern that forms an inverted “V” at the center of the unit that slopes down and to the sides of the unit in both directions from the center.

(F) Truck-Mounted Attenuator (Sub-section 605.4.2.2) –

Sub-section 605.4.2.2 Truck-Mounted Attenuators (paragraph 6) -

Attach each truck-mounted attenuator to the rear of a truck with a minimum gross vehicular weight (GVW) of 15,000 pounds (actual weight). If the addition of supplemental weight to the vehicle as

ballast is necessary, contain the material within a structure constructed of steel. Construct this steel structure to have a minimum of four sides and a bottom to contain the ballast material in its entirety. A top is optional. Bolt this structure to the frame of the truck. Utilize a sufficient number of fasteners for attachment of the steel structure to the frame of the truck to ensure the structure will not part from the frame of the truck during an impact upon the attached truck mounted attenuator. Utilize either dry loose sand or steel reinforced concrete for ballast material within the steel structure to achieve the necessary weight. The ballast material shall remain contained within the confines of the steel structure and shall not protrude from the steel structure in any manner.

(G) Trailer-Mounted Changeable Message Signs (Sub-section 606.3.2) –

Sub-section 606.5 Measurement (paragraph 2) -

Trailer-mounted changeable message signs are included in the lump sum item for Traffic Control in accordance with **Subsections 107.12** and **601.5** of the “2007 Standard Specifications for Highway Construction”. No separate measurement will be made for trailer-mounted changeable message signs unless the contract includes a specific pay item for trailer-mounted changeable message signs.

The Contractor shall provide, install, operate, and maintain the trailer-mounted changeable message sign per traffic control set-up as directed by the Plans, the “Standard Drawings for Road Construction”, these Special Provisions, the Specifications, and the Engineer.

Sub-section 606.6 Payment (paragraph 2) -

In addition to **Subsections 107.12** and **601.6**, the payment for Traffic Control is full compensation for providing, installing, removing, relocating, operating, and maintaining trailer-mounted advance warning arrow panels and trailer-mounted changeable message signs as specified or directed and includes providing the units’ primary power source; repairing or replacing damaged or malfunctioning units within the specified time; providing traffic control necessary for installing, operating, and maintaining the units; and all other materials, labor, hardware, equipment, tools, supplies, transportation, incidentals, and any miscellaneous items necessary to fulfill the requirements of the pay item in accordance with the Plans, the Specifications, and other items of the Contract.

Sub-section 606.6 Payment (paragraph 3) -

Disregard this paragraph unless the Contract includes a specific pay item for trailer-mounted changeable message signs.

(H) Flagging Operations (Sub-section 610.4.1)

Sub-section 610.4.1.1 Flagging Operations (paragraph 1) -

Use a flagging operation to control the flow of traffic when two opposing directions of traffic must share a common travel lane. A flagging operation may be necessary during a lane closure on a two-lane two-way roadway, an intermittent ramp closure or an intermittent encroachment of equipment onto a portion of the roadway. Utilize flagging operations to direct traffic around work activities and

maintain continuous traffic flow at reduced speeds when determined to be appropriate by the RCE. As stated above, flagging operations shall direct traffic around the work activities and maintain continuous traffic flow, therefore, stopped traffic shall not be required to stop for time durations greater than those listed below unless otherwise directed by the RCE.

LENGTH OF CLOSURE	MAXIMUM TIME DURATION FOR STOPPED TRAFFIC
1 MILE or LESS	5 Minutes
1 to 2 MILES	7 ½ Minutes

If the work activities require traffic to be stopped for periods greater than 5 to 7 ½ minutes as stated above, consider alternate work methods, conducting work activities during times of lowest traffic volumes such as during the hours of darkness or complete road closure with detour installation.

(l) Paving and Resurfacing (Sub-section 611.4.1)

Sub-section 611.4.1.2 Requirements (paragraph 8) -

Whenever travel lanes with acceptable grade elevation differences are open to traffic, provide “Uneven Lanes” signs (W8-11-48) or “Uneven Pavement” signs (W8-11A-48). Reflectorize these signs with a fluorescent orange colored prismatic retroreflective sheeting unless otherwise specified. Install these signs adjacent to roadways with uneven pavement surfaces between travel lanes or between travel lanes and the adjacent paved shoulders. Install these signs at intervals no greater than 2600 feet.

26. Work Zone Traffic Control; Training Requirements for Contractors/Subcontractors

See Supplemental Specification dated **September 1, 2013** on page 111.

27. District Six Lane Closure Restrictions

See attached list of roads on page ___ that are restricted from daytime lane reductions or closures. All work requiring lane reductions or closures will be performed at night or possibly on weekends.

28. Permanent Construction Signs

Utility locations must be performed prior to the placement of Permanent Construction Signs. State Law requires that the location of each sign be marked with a white line in the roadway or a stake in the shoulder. The locator company will mark 25 feet on either side of the location. The responsibility for marking the sign locations prior to the contractor calling PUPS for utility

locate lies with the party responsible for lines and grades on the project. If Construction Lines and Grades is a pay item, then the Prime Contractor is responsible for marking the sign location. If this is not included, it is the County's responsibility to mark the locations.

Prior to marking the sign location, care must be taken when marking the signs to ensure that there are no obstructions or other mitigating factors that will cause the sign to be moved outside of the 50 foot utility window. Any costs associated with staking out the sign locations are considered incidental to the cost of Permanent Construction Signs.

Requests for utility locates must be specific and isolated to the sign locations if no ground disturbing activities are occurring outside of the sign placement.

29. **Work Zone Traffic Control Procedures**

The first sentence of Section 610.3 of the 2007 Standard Specifications is hereby revised to:

“Ensure that background color of personal protective apparel is either fluorescent Yellow-Green or fluorescent Orange-Red, and meets ANSI Standard 107-2004 National Standard for High Visibility Apparel Class 2 (or Class 3 as necessary) Performance Criteria, or latest edition.”

Note #12 of Standard Drawing 610-005-00 is hereby revised to:

“During nighttime flagging operations, flaggers shall wear a Safety Vest and Safety Pants meeting ANSI Standard 107-2004 National Standard for High Visibility Apparel Class 3 Performance Criteria, or Latest Edition, and a Hardhat. The color of the apparel background material shall be either fluorescent Yellow-Green or fluorescent Orange-Red.”

30. **Concrete Entrained Air and Slump Properties**

See Supplemental Specification dated **February 1, 2015** on page 114.

31. **Smooth Wall Pipe**

Reference: SCDOT Supplemental Technical Specification SC-M-714

Description:

When bid items for smooth wall pipe are listed in the EBS file and/or proposal, the SCDOT will allow the use of reinforced concrete pipe, spiral ribbed aluminum pipe or high density polyethylene pipe in accordance with the specifications found in SC-M-714 (latest edition), the Standard Drawings, and this Special Provision. The plans may indicate reinforced concrete pipe only and are hereby superseded by this Special Provision.

Materials:

Smooth wall pipe is either Reinforced Concrete Pipe (RCP: 714-205-XX), Spiral Ribbed Aluminum Pipe (SRAP: 714-605-XX), or High Density Polyethylene pipe (HDPE: 714-705-XX) as described in SCDOT Supplemental Technical Specification SC-M-714 and in the SCDOT Standard Drawings. Use smooth wall pipe culvert from manufacturers listed on Qualified Product Lists 30, 68, or 69. No value engineering application is required in order to use alternate pipe.

For the following counties: Berkeley, Beaufort, Charleston, Colleton, Dorchester, Georgetown, Horry, and Jasper, provide pipe joints meeting AASHTO M 315 for RCP or passing the 13 psi pressure test as indicated on the QPL for SRAP or HDPE. Take care to properly lubricate and equalize pipe gaskets as indicated in the SCDOT Standard Drawings and SC-M-714 to prevent gaskets from “rolling” during installation. For all other counties, provide pipe joints meeting AASHTO M 198, M 315, or passing the minimum 10 psi pressure test unless specific pipe joints are indicated in the plans or special provisions.

No other pipe type will be accepted as an alternate.

Construction Requirements:

Use only pipe that conforms to the minimum and maximum fill height limitations indicated on the appropriate standard drawing. Unless indicated otherwise in the plans, determine pipe fill height based on the following formula:

Fill Height = Elevation (top of curb or max grade above pipe) – Elevation (pipe crown)

For all locations where new pipe is being attached to an existing system, use one of the following options:

1. Any existing pipe may be extended using any acceptable alternate pipe type by using a drainage structure at the interface between the different pipe types. The drainage structure* may consist of standard junction boxes, manholes, catch basins, drop inlets, or circular drainage structures detailed on SCDOT Standard Drawings. For larger diameter pipe, custom drainage structures may be required. Field cut existing pipe to remove damaged joint (if applicable) and install new drainage structure at the field cut interface. Always fully clean existing pipe and pipe joints before installing joint sealant or gaskets and attaching new pipe.

2. For locations where existing pipe properties cannot be directly matched, use a custom designed interface* (concrete collar, proprietary mastic wrap, custom coupling band, etc.) appropriate to interface the existing pipe to the new pipe of the same type. Submit interface drawings and design for review by the Engineer of Record and the Design Standards Engineer. Always fully clean existing pipe and pipe joints before installing joint sealant or gaskets and attaching new pipe. Replace existing pipe that has joint damage before connecting new pipe to the system.

3. Any existing pipe may be extended using new pipe with the same joint profile and wall properties of the existing pipe. Always fully clean existing pipe and pipe joints before installing

joint sealant or gaskets and attaching new pipe. Verify* the following parameters before ordering new pipe:

- a. For RCP to RCP, confirm wall thickness, joint profile shape, and compatibility with existing manufacturer's pipe. Replace existing pipe that has joint damage before connecting new pipe to the system.
- b. For SRAP to SRAP, replace existing pipe that has joint damage before connecting new pipe to the system.
- c. For HDPE to HDPE, confirm the manufacturer of the existing pipe and the joint compatibility with the new pipe. Provide a new gasket when connecting to existing spigot end of HDPE pipe. Replace existing pipe that has joint damage before connecting new pipe to the system.
- d. For CAAP to CAAP, confirm the type and size of end corrugations of the pipe. When existing pipe has full helical corrugations, provide new connecting pipe with one end fully helical and fully helical coupling band. When end corrugation size does not match the corrugation size shown on SCDOT Standard Drawings, provide a drainage structure (described above) at the interface. Replace existing pipe that has joint damage before connecting new pipe to the system. Do not install CAAP as smooth wall pipe; however, use these requirements when plans specify installing new CAAP.

The RCE will verify that connections between existing pipe and new installed pipe have been handled with one of the options listed above. Repair or replace all existing to new joint interfaces that do not meet the requirements above at no additional cost to SCDOT.

In all installations, provide the RCE with a complete pipe table indicating the following: Plan Pay Item, Plan Pipe Description, Plan Quantity, Installed Pipe (diameter, type, class/gage), Installed Quantity, and description of interface used to join new pipe to existing pipe for each occurrence.

In cases where 2 or more different pipe types are installed, provide a copy of the proposed installation layout on the drainage/plan sheets to the RCE indicating which pipe is installed at each location.

Measurement:

Measure smooth wall pipe in accordance with methods specified in SC-M-714 for the pipe material installed.

*No measurement will be made for drainage structure, designed interface, or field verification performed at each interface between existing pipe and new pipe unless drainage structure/interface is specified in the plans.

Payment:

Payment will be made for smooth wall pipe regardless of the type of material installed. Payment for smooth wall pipe is as specified in SC-M-714 for the pipe material installed.

*Include all costs for work related to connecting new pipe to existing pipe in the unit bid price of the new pipe. This connection work includes: drainage structure at the interface, custom designed interface, field verification of existing pipe and compatibility with new pipe, new gaskets, new joint sealant, new coupling bands, removal, and disposal of damaged sections of existing pipe.

ITEM NO.	DESCRIPTION	UN
7143XXX	X" SMOOTH WALL PIPE	LF
7143XXX	X"x X" SMOOTH WALL PIPE CUL.TEE	E
714XXX	X" x X" SMOOTH WALL PIPE CUL.WYE	E
7144XXX	X" SMOOTH WALL PIPE X DEG BEND	E
7144XXX	SMOOTH WALL PIPE INCR.- X" TO X"	E

32. Pipe End Treatments (2/5/2010)

Reference: SCDOT Supplemental Technical Specifications SC-M-714

Description:

For exposed pipe culvert ends, provide an end treatment in accordance with this special provision.

Materials:

Rigid pipe culvert is Reinforced Concrete Pipe (RCP: 714-205-00). Flexible pipe culvert is either Spiral Ribbed Aluminum Pipe (SRAP: 714-610-00), High Density Polyethylene pipe (HDPE: 714-705-00), or Corrugated Aluminum Alloy Pipe (CAAP: 714-605-00).

Use minimum Class B riprap for pipe up to 84" diameter. Use minimum Class C riprap for pipe 84" diameter or larger.

Use minimum Class 4000 concrete (4000P for precast). Use ASTM A-706 grade 60, low-alloy steel deformed rebar.

Use minimum AASHTO M-196 Alclad 3004-H32 alloy aluminum. Use Type M Mortar Grout unless specified otherwise.

Construction Requirements:



For all exposed crossline pipe ends, when an end treatment is not specified in the plans, use Pipe Riprap Protection (804-3xx-xx). For flexible pipe larger than 24" diameter, install pipe straight headwall, pipe end structure, flared end section, or wing wall section in addition to riprap. For all exposed driveway pipe ends where no end treatment is specified in the plans, use Pipe Riprap Protection (804-3xx-xx) unless directed otherwise by the engineer.



Use Beveling of Pipe End (719-610-00) when specified in the plans or special provisions. Beveled ends may only be used on flexible pipe up to 24" diameter and on rigid pipe up to 60" diameter. When beveling of pipe ends is specified on flexible pipe larger than 24" diameter, install pipe straight headwall, pipe end structure, flared end section, or wingwall section. Use factory fabricated beveled ends for all pipe types unless approved by the Engineer.



Use Pipe Straight Headwall (719-605-00) when specified in the plans or special provisions. Use straight headwall only in locations where pipe exposed end does not face the direction of traffic.



Use Pipe End Structure (719-615-00) when specified in the plans or special provisions. Use pipe end structure in locations where pipe exposed end faces the direction of traffic. Pipe end structures may be used in other locations if approved by the RCE.



Use Pipe Flared End Section when specified in the plans or special provisions.



Use Pipe Wingwall Section when specified in the plans or special provisions.

Completely seal interface between pipe and end treatment with grout. If bricks or shims are used to place pipe, take care to remove all air pockets and voids when grouting.

For systems not designed in the SCDOT Standard Drawings, provide shop drawings, installation procedure and design calculations for review by RCE. Design must include provision to control erosion around the structure and prevent the separation of the end treatment from the pipe system.

Design must provide for a proper seal at all construction joints including the interface between the pipe and the structure. Design must be self-supporting and not induce any additional loads on the pipe. Submit designs for consideration as new standard drawings to the Design Standards Engineer at the address listed in the SCDOT Standard Drawings book.

Measurement:

Measure pipe in accordance with SC-M-714

Measure end treatments in accordance with Standard Specifications, Standard Drawings, or Special Provisions.

Payment:

Beveling of pipe ends will be in addition to the standard pipe pay item. Payment for the item Beveling of Pipe Ends includes all labor required to factory (or field, if approved) fabricate a bevel on one end of pipe.

Pipe culvert and end treatments, measured as provided in SC-M-714 Subsection x.4, are paid for at the contract unit price for the respective items, which price and payment is compensation for furnishing all material, labor, equipment, tools including hauling and placing all pipe sections and materials, excavation of the entire standard trench, bedding, and pipe backfill as described in the measurement section (both structural and embankment backfill in this region), removal of existing pipe to be replaced, constructing pipe joints, removal of old end treatments, cleaning out pipe, disposal of surplus materials, all visual inspection, and all incidentals necessary to complete the work.

Add the following paragraph to SC-M-714 subsections x.5:

Payment for riprap and geotextile for erosion control under riprap as measured in subsection x.4 includes all direct and indirect costs and expenses necessary to complete the work.

33. Right of Way Plat:

Description:

The Contractor by the “Substantial Work Complete” date shall prepare a right of way plat signed and sealed by a Professional Land Surveyor (PLS) licensed to practice in the state of South Carolina. The right of way plat shall be in accordance with the requirements of Section 49-460-A “General Property Survey” as outlined in the South Carolina “Standards of Practice Manual” for land surveyors. A copy of the plat will be recorded, by the contractor, in the Register Mesne Conveyance (RMC) office of the county or counties in which the project resides.

The Contractor will provide one copy of the plat on a full sized plan sheet(s) (22” X 36”) and submit to the resident construction engineer to be included in the as-built plans.

Materials: Rebar Cap R/W Marker

Materials used shall comply with those listed on SCDOT Standard Drawing No. 809-105-00.

Construction Requirements:

The PLS shall set right of way markers along all new right of way lines as well as along any present right of way being retained by the County at intervals listed on the SCDOT Standard Drawings. Right of way markers shall not be placed at points common to side property lines and/or corners. In the event that the plan reflects a break in the right of way along a side property line the right of way marker will not be set without the side property line being retraced and established by way of survey. The PLS shall prepare a plat documenting the location of all right of way markers set and reflecting the as-built station and offset from the plan alignment. The plat shall show the entire project corridor as an enclosed strip or parcel of land to include the mainline and all side roads as defined on the project plan.

Measurement and Basis of Payment:

The item Right of Way Plat is paid on a lump sum (LS) basis; and therefore, there is no specific measurement for this item. The unit price bid for Right of Way Plat shall include all costs for labor, materials, equipment, services of a PLS and any related fees or costs associated with producing a plat, recording the plat at the RMC office, and all required copies. Each marker placed in accordance with the Standard Drawing complete and accepted will be measured and paid at the unit price bid.

Item No.	Description	Unit
8091000	RIGHT OF WAY MARKER (REINFORCED CONCRETE)	EA
8091010	RIGHT OF WAY MARKER (REBAR AND CAP)	EA
8091050	RIGHT OF WAY PLAT	LS

SUPPLEMENTAL SPECIFICATIONS

Sam's Point Turn Lane

November 4, 2013

CONSTRUCTION SCHEDULES

General

This supplemental specification addresses schedule requirements for SCDOT contracts. There are three levels of schedules. The level required is included in the Special Provision. The level of schedule is selected based on the design field review completed in the preconstruction phase or during estimate development.

Level 1 – Minimal Schedule Requirement

Level 2 Schedule – Standard Critical Path Method Schedule

Level 3 Schedule – Critical Path Method Schedule with Monthly Cumulative Payment Clause.

Level 1 Requirement:

Provide to the Resident Construction Engineer (RCE) a four-week look-ahead schedule identifying planned weekly work activities. Update the schedule every two weeks. The look-ahead schedule allows the RCE to schedule construction engineering and inspection personnel. The County will not be responsible for delays which may be caused by the contractor's failure to abide by his schedule. Failure to submit the look-ahead schedule as specified may result in the withholding of partial payment estimates.

Provide the look-ahead schedule in Word or Excel format or as directed by the RCE.

The Contractor may provide a CPM schedule as indicated in Level 2 Schedule Requirements in lieu of the four-week look-ahead schedule as follows:

- Notify, in writing, the RCE that a CPM schedule will be provided in lieu of a four-week look-ahead schedule. Provide timely notification so that the baseline schedule is submitted in accordance with Level 2 Schedule Requirements - Submission, Review, and Acceptance Process – Baseline Schedule.
- No payment will be made if the Contractor elects to provide a CPM as a Level I Requirement.

Measurement and Basis of Payment will be according to the Level I Schedule.

- Election to provide a CPM schedule in lieu of a four-week look-ahead schedule will be for the duration of the project.

Level 2 Schedule Requirements:

For projects requiring a CPM schedule, the Contractor will provide and update a construction schedule to the SCDOT, which will be used as a quantitative basis for:

- Monitoring and evaluating the Contractor's progress in completing contracted work;
- Evaluating requests for additional contract time;
- Budgeting for construction partial payment estimates; and
- Managing SCDOT engineering and inspection personnel.

The Contractor's construction schedule shall encompass the entire contract period, and be developed consistent with the contract milestones and the contract maintenance of traffic plan. Critical path activities shall be identified for the duration of the project. The schedule shall also include sufficient information as outlined in this supplemental specification to provide for monetary and quantitative tracking of the work by the SCDOT.

Include and reference in the schedule at the time of occurrence, all documentation and explanations supporting a time adjustment request.

Utilities

The schedule shall reflect the utility relocations noted in the contract documents and discovered during field review and include activities of appropriate duration, location, and logic, as provided by the Utility, for the utility work. Where utility durations are unknown, the Contractor shall provide a reasonable estimate of duration. Utility durations will be reviewed in the baseline approval process as outlined in the section "Submission, Review, and Acceptance Process." Utility durations will be presented at the Preconstruction Conference for concurrence by the utility provider. In the event that the utility representative cannot provide concurrence at the Preconstruction Conference, the Contractor, the Resident Construction Engineer, and the utility provider shall work diligently to reach acceptable durations. If there is no concurrence or input from the utility provider concerning the Contractor's utility durations within 15 calendar days following the Preconstruction Conference, the submission with the Contractor's estimate of utility duration will be reviewed for baseline acceptance. Further utility duration changes beyond this point in time will be assessed in monthly schedule updates. Failure to include activities for any element of work or any known utility work will not relieve the Contractor from completing the work within the allotted contract time.

Schedule Submissions

Contractors shall maintain CPM schedules for all applicable projects using at a minimum Primavera Project Management 5.0 or Primavera Contractor 5.0. The Contractor shall coordinate with the County's District Scheduler to provide an exported schedule importable into the Primavera version used by the County.

Templates for the CPM schedules are available to download at the SCDOT construction Extranet site located:

http://www.scdot.org/doing/constructionLetting_Extranet.aspx

When submitting schedules to the SCDOT, the Contractor shall assign file names to each schedule file (baseline and updates) according to the following conventions (dates are YYMMDD):

Type of Schedule Submitted:	Baseline	Update	As-Built
File Name Convention:	[Contract ID]b[Data Date]	[Contract ID]u[Data Date]	[Contract ID]ab[Data Date]
File Name Example:	32.82571b060201	32.82571u060201	32.82571ab060201

Note on Data Dates - The initial Baseline Construction Schedule shall have a data date equal to the Award Date and not include any work to date. Monthly schedule updates shall have a data date set 1 day beyond the most recent estimate period end date.

Extranet file names upon uploading shall include the contract ID.

All submissions shall be made within the time frames defined under “Submission, Review and Acceptance Process.”

Electronic Files: Upload each baseline construction schedule and monthly update submission to the SCDOT Construction Extranet site in .xer format.

The Extranet site location is: http://www.scdot.org/doing/constructionLetting_Extranet.aspx

Provide an Adobe file of each baseline construction schedule, monthly update submission, and schedule narrative to the District Scheduler and the Resident Construction Engineer. The schedule Adobe file shall include the following columns in 11 inch x 17 inch format: Activity ID, Activity Name, Start, Finish, Schedule % Complete, Physical % Complete, Budgeted Total Cost, Actual Total Cost, Remaining Total Cost, At Completion Total Cost, Original Duration, Remaining Duration, At Completion Duration, Earned Value, Planned Value, Schedule Variance Index, and Total Float. Sort on “Start” prior to printing to Adobe.

Schedule Narrative: Submit a Schedule Narrative Report with the baseline and each monthly update schedule describing current project schedule status and identifying potential delays. This report will include a description of the progress made since the previous schedule submission and objectives for the upcoming 30 calendar days.

- 1) Address all previous schedule review comments;
- 2) The report shall indicate if the project is on schedule, ahead of schedule or behind schedule as compared to the accepted baseline. Include the Schedule Variance Index, planned value cost and earned value cost. If the project is ahead of schedule or behind schedule, the report shall include the specific number of calendar days. If the project is behind schedule, the report shall include a detailed recovery plan that will put the project back on schedule. The narrative shall compare the Substantial Completion milestone for the baseline with the update;
- 3) Describe the current critical path of the project including the lowest total float value and indicate if this has changed in the last 30 calendar days. Discuss current successes or problems that have affected either the critical path's length or have caused a shift in the critical path within the last 30 calendar days. Identify specific activities, progress, or events that may reasonably be anticipated to impact the critical path within the next 30 calendar days, either to affect its length or to shift it to an alternate path;
- 4) List all schedule logic or duration changes that have been made to the schedule since the previous submission. Provide an explanation for any constraint used. For each change, describe the basis for the change and specifically identify the affected activities by identification number;
- 5) Scheduling assumptions (considerations for known and foreseeable constraints or restrictions such as weather, traffic, environmental, utility, safety, etc);
- 6) Identify activities, either in progress or scheduled to occur within the following 30 calendar days that require County participation, review, approval, etc;
- 7) Identify any calendars used that are not DOT specific, and explain the details of those calendars;
- 8) Identify schedule settings used;
- 9) Identify activity expense item changes;
- 10) Minimized the use of lag. Where possible, use an activity to represent lag time. In no instance shall negative lag be used;
- 11) Description of how the schedule is organized (e.g. broken down by road or activity);
- 12) Explain any actual duration exceeding the original duration;
- 13) Explain out of sequence activities individually and the overall effect on the schedule;
- 14) Explain, individually, activities that failed to start in the previous 30 days;
- 15) Include the current contract completion date;

- 16) Include the current contract amount and sum of actual cost;
- 17) Include approved change orders. Explain the costs and schedule change associated with them;
- 18) Submit the narrative with a naming convention of [Contract ID]n[Data Date].doc (e.g 32.82571n060201.doc). Contractor will upload the electronic copy [in .doc format] to the South Carolina Department of Transportation Construction Extranet site;
- 19) Explain the schedule impacts of all utility work, known or anticipated;

Schedule Details

SCDOT reserves the user_text1 and user_text2 fields.

Data Date - The Baseline Construction Schedule shall have a data date equal to award date and not include any completed work to date. Monthly schedule updates shall have a data date set to one day beyond the most recent estimate period end date.

Milestones - Schedule shall identify the following milestones as a minimum:

- Award Date: The date the Contractor is notified by the Director of Construction that he is awarded the project.
- Contract Execution Date: The date the contract is signed by the County.
- Baseline CPM Acceptance: Anticipated date the baseline schedule is accepted. No work will start prior to this milestone date.
- Notice to Proceed Date (NTP): the NTP date is determined in coordination between the Engineer and the Contractor.
- Work Begin Date: Actual date that on-site work commences. In the baseline CPM schedule, this is the anticipated work begin date by either the prime contractor or any subcontractor. Once work begins, status the schedule with the actual date recorded in SiteManager.
- Interim Completion Dates or Interim Milestones: When interim completion dates or interim milestones (associated with project stages) are included in the contract specifications.
- Mobilization: Preparations for and moving of equipment, etc., to the project site.
- Start of Paving: Date paving production and placement is to start. This includes any paving requiring a SCDOT certified inspector representing the County.
- Substantial Work Complete Date: The point in the project when all pay items have been installed in reasonable conformance with the plans and specifications over the entire length of the project including tie-ins and all lanes of traffic are open to the public in their final configuration with the final applications of thermoplastic and raised pavement markers. The only remaining work to be performed is punch list items. Place a Finish On or Before constraint on this milestone equal to the completion date in the contract. If a change order is completed for time, update the constraint to the adjusted completion date.

- **As-Built CPM Schedule Submission:** The point in time in which the final schedule submission is made.
- **Project Liability Insurance Expiration Date MM/DD/YY:** This date references the expiration of the insurance as defined in Section 103.8 of the Standard Specification for Highway Construction. Include the date that the project liability insurance expires in the milestone activity name. If the expiration renewal date is prior to the Contract Completion Date, place a “Finish On” constraint on the finish milestone. If the expiration renewal date is beyond the Contract Completion Date, place an “As Late As Possible” constraint on the finish milestone. There are no logic ties for this milestone. Inclusion of this date in the CPM schedule does not relieve the contractor of his responsibility to retain liability insurance as defined by the Standard Specifications for Highway Construction.

Activities

- Each Activity shall be part of the logic driven network, be cost loaded using Expense Categories, and include a predecessor (except the first activity) and a successor (except the last activity).
 - Each Activity Name shall include a verb and a noun and represent the work function.
 - Activity Names shall include the location of the work when there are multiple activities of the same work in different locations of the project.
 - Limit activity original duration to 30 calendar days.
 - As a minimum, and when applicable, the schedule shall include the following activities when related work is part of the contract.
- **Mobilization:** Provide the same number of mobilization activities as for payment in the proposal i.e.
 - Mobilization Payment I
 - Mobilization Payment II
 - **Clearing & Grubbing:** Self-explanatory
 - **Utility Relocations:** The schedule must reflect the utility relocations noted in the contract documents and include activities of appropriate duration for the utility adjustments. Where utility durations are unknown, the Contractor shall provide a reasonable estimate of duration. Relate utility activities to the contract work activities that they effect or are affected by.
 - **Cure Period:** The period of time between two activities needed for material curing. Examples include concrete and thermoplastic pavement markings. For this activity, use a seven day work week calendar.
 - **Earthwork:** Unclassified & borrow excavation, compaction, fine grading, etc.
 - **Drainage:** Pipe, catch basins, manholes, etc.
 - **Base Course:** Graded aggregate base courses, cement modified bases, etc.
 - **Paving:** Hot mix asphalt base, intermediate, and surface courses; Portland cement concrete pavements, etc.
 - **Structures:** Bridges, box culverts, retaining walls, etc.

Where sufficient detail has not been provided in included activities to determine progress of work and forecast of inspection and cost, the County will request additional activities be added. The County requires retain logic be used in scheduling projects. Relationship ties of all out-of-sequence activities should be corrected to reflect the actual occurrence. The use of progress override is not permitted. The monthly schedule update narrative shall justify any logic change(s).

Suspend Dates - The use of suspended dates is prohibited. If the activity is disrupted, break out into additional activities and explain in narrative.

Activity Expected Finish Dates – Activity Expected Finish dates are prohibited.

Resources – The County will not require any input to the resource component of the schedule by the Contractor.

Expenses – Contractor shall assign the SCDOT contract items as expenses to each activity. The information provided under Expenses is used to evaluate daily production rates. SCDOT contract items will be included as Expense Categories and will be made part of the SCDOT schedule template available to download from the construction Extranet site. These shall be the only expense categories associated with activities. Under expenses, populate the fields Budgeted Units, Price/Unit, and Actual Units. If a SCDOT contract item cannot be found in the most current template, SCDOT should be contacted. The template will then be updated and uploaded to the extranet by SCDOT.

Weather - Considerations for normal weather shall be addressed within the activity duration.

Calendars – Contractor shall assign an appropriate SCDOT calendar to each activity in the schedule. Alternate calendars may be assigned, but specifics of the alternate calendars must be justified in the baseline narrative. Contractor shall assign all calendars as project specific – NOT GLOBAL. Acceptance of the alternate calendars is subject to review by the SCDOT. Considerations for weather shall be addressed within the activities – calendars shall not be modified to account for weather considerations. While calendars have been created to address established seasonal restrictions, it is the Contractor’s responsibility to assure that all restrictions, as identified in the contract documents, are included. Where the Contractor elects to not utilize all available contract time in the baseline schedule submission, either by blocking out days in the calendar or including an activity for an extended period of no work, future delays against the time omitted will not warrant additional time.

The Baseline Construction Schedule shall not extend beyond the number of working days or contract completion date originally provided in the contract.

Cost Loading – All schedule activities shall be cost loaded using the contract bid items (Expense Categories), unit prices, and units (quantities) under “Expenses” in Primavera. Associated expenses shall correlate with the item of work covered by the activity.

Float – Float is not for the exclusive use or benefit of either the County or the Contractor. Negative float in the original baseline schedule is not allowed.

Schedule Layout – Organize the schedule using a Work Breakdown Structure (WBS) consistent with the phasing and staging noted in the contract documents.

Default Values – Contractor shall use the following defaults, physical percent complete, retain logic, longest path critical activities, and under Admin Preferences, make Time Periods 8.0 hours/day, 40 hours/week, 172 hours/month, and 2,000 hours/year.

Submission, Review and Acceptance Process

Baseline Schedule –

Submission:

Regular Bid Projects:

Contractor shall submit a Critical Path Method (CPM) Contract Schedule and Narrative to the District Scheduler no more than 15 calendar days after execution of the contract or 15 days prior to the preconstruction conference, whichever is earlier. Once the initial baseline schedule is submitted, a preconstruction meeting date may be assigned by the RCE and Contractor. The CPM Schedule and Narrative shall be submitted via upload to the Extranet. Upon upload, the Contractor shall immediately notify the District Scheduler and the Resident Engineer via email that the CPM schedule has been submitted. The accepted CPM baseline schedule is paid for in the first available estimate period after contract execution.

A+B Bid Projects:

Contractor shall submit a Critical Path Method (CPM) Contract Schedule and Narrative to the District Scheduler no less than 15 calendar days prior to the preconstruction conference. Once the initial baseline schedule is submitted, a preconstruction meeting date can be assigned by the RCE and Contractor. The preconstruction meeting shall be assigned no earlier than 15 calendar days after the initial baseline submission. The CPM Schedule and Narrative shall be submitted via upload to the Extranet. Upon upload, the Contractor shall immediately notify the District Scheduler and the Resident Engineer via email that the CPM schedule has been submitted.

Review:

Upon receipt of the CPM Construction Schedule, SCDOT shall review and provide comments to the Contractor within 10 business days of receipt. The Contractor will have 5 business days to respond to SCDOT comments. This process will continue until the Engineer and the District Scheduler determines the construction schedule is acceptable.

The Contractor's representative familiar with the submitted schedule shall present and discuss their accepted schedule at the Preconstruction Conference. In the event the schedule has not been accepted (i.e. review process is ongoing), the most current schedule under review shall be presented.

Acceptance:

Acceptance of the submitted schedule by the SCDOT will establish the baseline schedule for the contract. This acceptance by SCDOT does not serve to excuse any omissions or errors in the Contractor's schedule (i.e. activities not included in baseline will not be considered in any time extensions).

Review and acceptance of baseline schedule is required prior to start of work. Delays in reaching this acceptance will not constitute a basis for granting additional contract time. If there is no concurrence or input from the utility provider concerning the Contractor's utility durations within 15 days following the Preconstruction Conference, the submission with the Contractor's estimate of utility duration will be reviewed for baseline acceptance. Further utility duration changes beyond this point in time will be assessed in monthly schedule updates.

Monthly Updates -

Monthly updates shall be made no later than 15 calendar days following the most recent estimate period end date, whether or not an estimate was generated and shall have a data date one day beyond the most recent estimate period end date. If no work was completed during the estimate period, an update with the most current estimate period is required. Upon upload, the Contractor shall immediately notify the District Scheduler and the Resident Engineer via email that the CPM schedule has been submitted. Failure to submit timely updates will result in SCDOT evaluating contract status from the last submitted update schedule by adjusting the data date to the most current estimate period end date. Late update submittals may result in the Contractor being evaluated for preliminary delinquency in accordance with current version of the South Carolina Department of Transportation Standard Specifications for Highway Construction. Habitually late submittals may result in automatic delinquency. Failure to submit acceptable schedule updates as required will result in the withholding of the partial payment estimate regardless of preliminary delinquency. Updates shall include the following:

- Updated schedule to show actual progress on activities;
- Updated schedule to show actual costs on activities;
- Change orders that have occurred during the last estimate period;
- Any task dependent activity greater than 30 days in actual duration that has not incurred additional costs since the last update shall be terminated and broken into additional activities. Document the activity change and reason for late completion in the narrative;
- Remaining costs on completed activities are zeroed (if remaining costs are redistributed, indicate in the narrative the activities containing the costs);
- Update remaining cost appropriately;
- Updated schedule to show actual completion on milestones;
- Narrative to describe progress, planned activities, issues, adjustments to remedy any activities or milestones behind schedule, etc., in the format described in Schedule Submissions;

- Any changes other than those to actual start, actual finish, remaining duration, and Percent Complete are considered revisions. Revisions to a schedule update are subject to acceptance by the Engineer;

As-Built Schedule – A final As-Built Schedule shall be submitted within 15 calendar days following the contract completion. The as-built schedule should reflect the final project including extra work from change orders.

Baseline Schedule Changes – Once the baseline schedule has been accepted, all subsequent schedules provided will be considered schedule updates and compared to the original baseline. A new baseline will only be considered when significant changes in contract scope, changes in SCDOT priorities, or delays beyond the control of the Contractor occur.

If a baseline change is needed, the Contractor shall provide, in writing, a request to the Resident Construction Engineer with the following information:

- An electronic copy of the proposed baseline schedule using the following naming convention and in accordance with **Schedule Types** (included previously)

Type of Schedule Submitted:	Updated Baseline
File Name Convention:	[Contract ID]ub[Data Date]
File Name Example:	32.82571ub060201

- Narrative identifying changes warranting a new baseline

A decision for an updated baseline will be made jointly between the Resident Engineer and the District Scheduler within 10 business days of receipt of request.

Progress Meetings- The contractor shall present the most current schedule at progress meetings to discuss any issues and upcoming events. If found necessary by the SCDOT, the contractor shall attend meetings to specifically discuss issues about the schedule.

Level 3 Schedule Requirements

Level 3 schedule requirements will be enforced on contracts where the bid amount exceeds \$20 million and one of the following occurs:

- SCDOT financial status warrants the specific control of large project monthly payouts
- The contract SVI is less than -0.50 or greater than 0.50 for two consecutive months indicating the project is significantly behind or ahead of the Contractor’s baseline schedule.

In the event that the County chooses to enforce the Level 3 Schedule Requirement, the Contractor will submit an updated baseline schedule within 15 days of notification. The Contractor schedule will be used for payment purposes once the baseline schedule has been accepted by the County. In addition to meeting the requirements of the Level 2 Schedule, the following shall apply.

Once accepted by SCDOT, the project’s initial baseline cost loaded CPM will be used for SCDOT budget purposes and the contractor will not be paid in excess of the cumulative amount shown on the schedule through each payment date; regardless of what subsequent monthly updates indicate. For example, see chart below:

Pay period ending	12/31/11	1/31/12	2/29/12	3/31/12	4/30/12	5/31/12
Baseline CPM Planned Payout in Millions (Cumulative to Date)	2.0 (2.0)	3.0 (5.0)	3.0 (8.0)	4.0 (12.0)	4.0 (16.0)	3.0 (19.0)
Actual work performed (Cumulative to Date)	1.5 (1.5)	2.0 (3.5)	3.5 (7.0)	6.0 (13.0)	3.0 (16.0)	4.0 (20.0)
Payout by SCDOT (Cumulative to Date)	1.5 (1.5)	2.0 (3.5)	3.5 (7.0)	5.0 (12.0)	4.0 (16.0)	3.0 (19.0)

Partial payment estimates will be generated in SiteManager (computerized construction management system) based on actual quantities installed. If actual quantities installed exceed the cumulative schedule amount to date, a negative adjustment will be made in SiteManager to adjust the pay as necessary. For previous work exceeding the schedule amount, payments will be released as work progresses and payouts fall below the scheduled cumulative amount, never to exceed the cumulative scheduled amount through that pay period.

If significant contract changes are necessary, and upon approval by the SCDOT, a re-baseline to the initial CPM will be allowed per the CPM schedule specification and the payout schedule may be adjusted accordingly.

All subcontractors must be paid in accordance with the Prompt Payment Clause (Supplemental Specification dated June 14, 2000) for the quantities used to generate the partial payment estimates. In instances where a payout by SCDOT is less than the actual work installed under a given estimate, the Prompt Payment Clause is hereby amended to require full payment to all subcontractors, for work complete, within 7 days of receipt of said SCDOT payout.

Contract Schedule Performance Evaluation:

Project performance is not measured for contracts where the percent time < 0.30 for projects with a Level I Requirement and percent time < 0.20 for projects with the Level II Requirement or Level III Requirement.

$$\text{Percent Time} = (\text{Last Estimate Date} - \text{NTP}) / [(\text{Adj Completion Date}) - (\text{NTP})]$$

Level I Requirement: Contracts with a minimal schedule requirement that are not deemed “on- call:”

Performance curves were developed using historical data from SiteManager based on contract type and ranges of contract amount. For each of these groupings, three curves identifying minimal performance levels are used to measure project performance. On the example below, the curves indicate that projects falling below the 50th percentile line are slower than 50 percent of the projects of same type and in the range of the bid amount indicated. Projects falling below the 40th

percentile line are slower than 60 percent of the projects of the same type and in the range of the bid amount indicated. Projects falling below the 25th percentile line are slower than 75 percent of the projects of the same type and in the range of the bid amount indicated.

On a monthly basis at the end of the estimate period, a comparison of Time Percent Complete vs. Work Percent Complete will be made and plotted on a performance curve matching the contract type within the bid amount. The measurements are defined as:

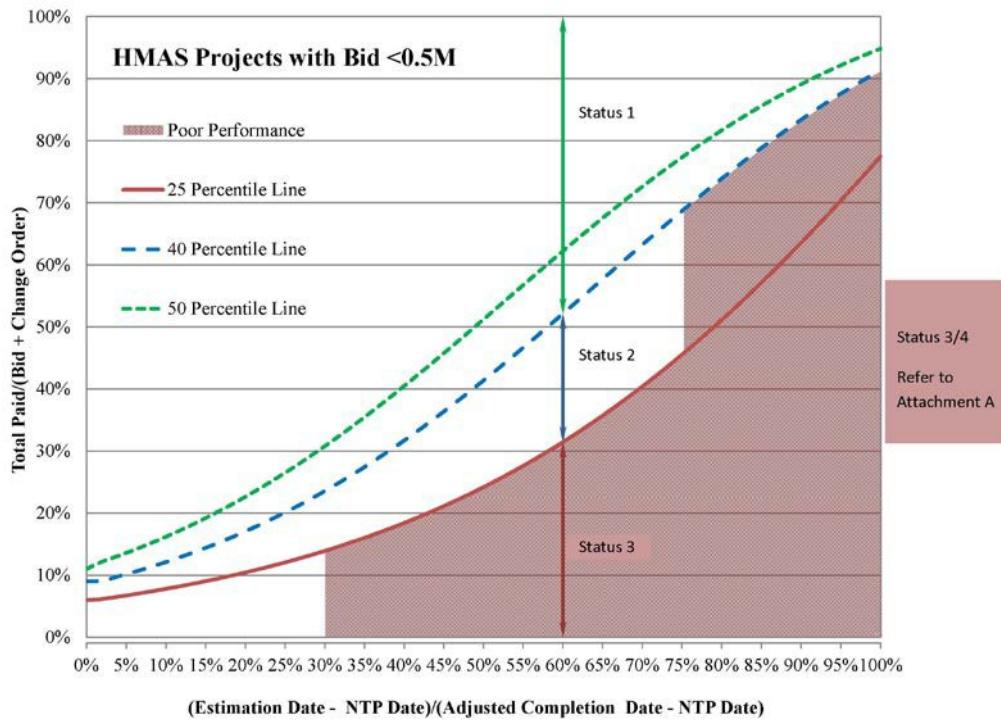
Time Percent Complete = (Last Estimate Date – NTP)/[(Adj Completion Date)-(NTP)]
 Work Percent Complete = Total Paid/(Total Bid + CO)

Poor Performance is considered when any contract is beyond its Adjusted Contract Completion date or when Time Percent Complete versus Work Percent Complete plots in the shaded area (on the appropriate performance curve) as defined by:

[30%, 75%) time below the 25th percentile line

-or-

[75%, 100%] time below the 40th percentile line



Example Performance Curve

Performance curves may be found under Construction Schedule Templates on the Extranet at:

http://www.scdot.org/doing/constructionLetting_Extranet.aspx

Contracts with a CPM – Level II and III Schedule:

Monthly CPM updates are required for contracts with a CPM Level II or Level III schedule requirement as defined under **Submission, Review and Acceptance Process**. The contractor shall update actual completed quantities and physical percent complete (% of work complete for the activity) for all activities impacted during the most recent estimate period. Budgeted cost of the work performed (Earned Value) from the schedule update and budgeted cost of work planned (Planned Value) from the accepted baseline schedule are used to determine project variance in Primavera utilizing Schedule Variance Index (SVI). The calculation used by Primavera is:

$$\text{Schedule Variance Index (SVI)} = (\text{Earned Value} - \text{Planned Value}) / \text{Planned Value}$$

Where $SVI < -0.10$, the contract is considered to be slipping behind plan.

Contract Performance Action:

A summary of progress performance action is included in Attachment A. Preliminary Notice of Delinquency is abbreviated as PND.

Level I Schedules:

When plotting Time Percent Complete vs Work Percent Complete as indicated above, if the contract falls in the shaded section on the appropriate performance curve,

First Offense:

- PND w/o bonding notification
- Request recovery plan

Second Offense:

- PND w/bonding notice
- Request recovery plan
- Hold PND to monitor recovery plan. If plan not met, move to delinquency

Level II or III Schedules:

In any estimate period where the SVI is $(-0.20, -1.0]$ as defined under: **Contracts with a CPM – Level II and III Schedule:**

First Offense:

- PND w/o bonding notification
- Request recovery plan

Second Offense:

- PND w/bonding notice
- Request recovery plan
- Hold PND to monitor recovery plan. If plan not met, move to delinquency

Measurement and Basis of Payment

Level 1 Schedule

There is no separate measurement or payment for look-ahead schedules. All costs associated with the preparation or revision of a look-ahead schedule are considered incidental to the work.

Level 2 and 3 Schedules

The County will make partial payments according to Section 109, Standard Specifications for Highway Construction, and as modified by the following schedule:

Basis of Payment	Percentage of Contract Unit Price of Item
After the Engineer has accepted the CPM Baseline schedule	60
After the Engineer has accepted the As-Built CPM schedule	40
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Type of Schedule	Ahead of Schedule	Status 1 Action	Status 2 Action	Status 3 Action	Status 3 Action	Status 4 Action
Level I Performance Curve	Projects falling above the 50% curve Monitor payouts	No Action	When plotting Time Percent Complete vs Work Percent Complete, if the contract falls in the shaded section of Status 2 or Status 3 on the appropriate performance curve.		If the contract has not reached substantial completion and is beyond contract completion < 45 days	If has not reached substantial completion and contract is beyond the contract completion > 45 days,
			First Offense: -PND w/o bonding notification -Request recovery		Preliminary Notice of Default w/bonding notice - Request plan to complete	Notice of Default according to the Standard Specifications -Request plan to complete
			Second Offense: -PND w/bonding notice -Request recovery plan -Hold PND to monitor recover plan. If plan not met, move to delinquency.		-Hold preliminary notice to monitor plan to complete. If plan not met, move to Default.	
Level II or III CPM	SVI > 0.10 Monitor payouts	SVI > -0.10 No Action	SVI (-0.10, -0.25]	SVI (-0.25, -1.0]	If the contract is beyond contract completion < 45 days	If contract is beyond the contract completion > 45 days,
			Where SVI (-0.20, -1.0]		Preliminary Notice of Default w/bonding notice	Notice of Default according to the Standard Specifications
			First Offense: -PND w/o bonding notification -Request recovery		- Request plan to complete -Hold preliminary notice to monitor plan to complete	- Request plan to complete
			Second Offense: -PND w/bonding notification -Request recovery plan -Hold PND to monitor recover plan. If plan not met, move to delinquency.		If plan not met, move to Default.	
Notes: [indicates inclusive of value (indicates exclusive of value						

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.
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 certify to SCDOT that the construction estimate is complete and that all subcontractors have been paid for work covered by previous estimates, in accordance with sections 1 and 2.
4. Failure to comply with any of the above provisions shall result in one or more of the following sanctions: (1) no further payments to the Contractor unless and until compliance is achieved; (2) the Contractor being placed in default; and/or (3) the Contractor being declared delinquent, such delinquency being subject to procedures and penalties provided in 108.08 of the Standard Specifications.

CONSTRUCTION ESTIMATES

The Contractor is advised that the County will utilize SiteManager™ for this contract. SiteManager™ is a computerized construction management system designed to record construction contract information and generate progress and final pay estimates.

SiteManager™ will be used to electronically record quantities of work performed and other supporting information into Daily Work Reports. On the appropriate day, the Engineer will direct the SiteManager™ system to generate the pay estimate based on the quantities of work accumulated in the Daily Work Reports.

In conjunction with the use of this system, the County will verify the reported quantities of work with the Contractor in lieu of completing a full set of Final Plans to document the final quantities. The Contractor's participation in this method is described in this specification.

Monthly Construction Estimates:

For monthly or progress estimates, the contractor will be provided a Summary to Contractor report that shows the active items and quantities of work resulting from the SiteManager estimate generation. As a requirement of this contract, the contractor shall maintain sufficient records of work performed in order to verify the quantities reported in the estimate. The contractor will verify the reported quantities by signing the Summary to Contractor report and returning the report to the Engineer.

Final Construction Estimate:

For the Final Construction Estimate, the County will provide the Contractor the **Summary to Contractor** and the **Item Quantity** reports. The Item Quantity reports varies from the Summary to Contractor report, in that it shows every item included in the contract with original quantities and any change order quantities, quantities installed, quantities paid to date, and the final quantity.

As stated above for monthly or progress estimates, the Contractor is required to maintain sufficient records of work performed in order to review and verify the final quantities for this contract. The Contractor shall have 30 days from receipt of the above reports, to review and verify the quantities reported on the final estimate.

Measurement and Payment:

There shall be no separate measurement and payment for the above work. The costs for this work are considered incidental to the overall work on this contract and shall be included in the bids for other items of work.

FINE GRADING

Fine Grading is the work necessary to bring the subgrade material into the final shape and compacted condition prescribed in the Contract documents. The area considered for Fine Grading is defined in **Section 208** of the 2007 SCDOT Standard Specifications.

To clarify the area for the item Fine Grading, modify the following subsections in **Section 208** as indicated below.

Subsection 208.4.3 Fine Grading

Delete the third paragraph and replace it with the following:

3 Fine Grading is defined as the work necessary to bring the subgrade material into the final shape and compacted condition prescribed in the Contract documents. The subgrade surface area paid for as Fine Grading is only the area under the permanent pavement structure plus 18 inch beyond the longitudinal edge of the permanent pavement structure. Except for the additional 18 inches beyond the permanent pavement structure, the area under existing pavement that remains in place, unpaved shoulders, driveways, curbs, gutters, sidewalks, multi-use paths, temporary pavement, and slopes is not included in the Fine Grading area.

Subsection 208.5 Measurement

Delete the first and second paragraphs and replace them with the following:

1 The quantity for the pay item Fine Grading is the surface area of the subgrade that is constructed and prepared for the intended pavement structure as defined in paragraph 3 of **Subsection 208.4.3** and is measured by the square yard (SY), complete, and accepted. The bid quantity will be considered the full amount to be paid unless work requiring fine grading is deleted, or additional work is added to the project that was not required by the original bid documents.

2 If the pay item Fine Grading is not included in the Contract, subgrade work is not measured for payment directly and is considered included in contract unit bid price of the various other items of work. When Fine Grading is included in the Contract, the subgrade work for areas under previously existing pavement, unpaved shoulders, driveways, curbs, gutters, sidewalks, temporary pavement, and slopes is not measured for payment directly and is considered included in contract unit bid price of the various other items of work.

TRANSPORTATION AND DELIVERY OF MIXES

Subsection 401.4.17, Transportation and Delivery of Mixes, of the Standard Specification will be deleted in its entirety and replaced with the following:

Transport the HMA from the plant to the point of use in vehicles meeting the requirements of Subsection 401.3.7. Do not permit any load of HMA to leave the plant so late in the day that it cannot be spread, finished, and compacted during daylight of that same day unless an approved artificial lighting system is provided. Ensure that HMA mixtures containing the asphalt binder grades below are produced and delivered to the jobsite within the acceptance range listed in the table below with exception that Base C and D mixtures will be produced and delivered at a temperature range of 240°-275° F. The mix temperatures will be checked using SC-T-84. Ensure the HMA mixtures are held within the acceptance range based on Binder Performance Grade in the Job Mix Formula. Deliver mixture within the acceptance range for temperature to assist in obtaining density requirements which provide smooth riding pavements with uniform texture.

Binder Performance Grade	Acceptance Range (°F)
PG 64-22	265°-325°
PG 70-22	285°-335°
PG 76-22	300°-350°

Note: This temperature specification does not apply to WMA (SC-M-408). Refer to the HMA Contractor’s QC Plan for mix acceptance range based on selected asphalt plant WMA technologies.

Traffic Control

Delete Subsection 601.1.3 of the Standard Specifications in their entirety and replace them with the following:

601.1.3 Restrictions

1. Installation and maintenance of a lane closure is **PROHIBITED** when not actively engaged in work activities specific to the location of the lane closure unless otherwise specified and approved by the RCE. The length of the lane closure shall not exceed the length of roadway anticipated to be subjected to the proposed work activities within the work shift time frame or the maximum lane closure length specified within the contract unless otherwise specified and approved by the RCE. Also, a maximum lane closure length specified within a contract does not warrant installation of the specified lane closure length when the length of the lane closure necessary for conducting the work activity is less. The length and duration of each lane closure, within the contract specified parameters, shall require approval by the RCE prior to installation. The length and duration of each lane closure may be reduced by the RCE if the work zone impacts generated by a lane closure are deemed excessive or unnecessary.
2. When hourly lane closure prohibitions are specified, the presence of temporary signs, portable sign supports, traffic control devices, trailer mounted equipment, truck mounted equipment, vehicles and vehicles with trailers relative to the installation or removal of a closure and personnel are prohibited within the 15 to 30 foot clear zone based upon the roadway speed limit during the prohibitive hours specified.
3. The County reserves the right to restrict the installation of lane closures, road closures, shoulder closures, pacing operations or any operations that will impact the efficient flow of traffic or hinder normal traffic operations on the roads of the South Carolina state highway system during peak travel hours, holidays, holiday weekends, extended holiday periods, weekends, special events or any time traffic volumes are high. Do not close travel lanes of high volume highways during peak traffic periods or at any time traffic volumes exceed the numerical values determined to be acceptable by the County. Do not close lanes or roads with high volume commuter traffic in cities and urban areas during peak traffic periods. Waiver or modification of these restrictions or the established hourly lane closure prohibition hours shall require written approval from either the Deputy Secretary of Engineering, the District Engineering Administrator or the Director of Construction. When determined to request such a waiver or modification of these restrictions, submit the request to the RCE no less than 30 days prior to the day in question.
4. The County prohibits lane closures on interstate highways and high volume multilane primary routes during holiday weekends, extended holiday periods or special events as defined below unless otherwise directed by the County. The County's holiday lane closure restrictions for holidays that are observed on a Monday will include the weekend and are considered a holiday

weekend unless otherwise established by these specifications. The County defines the typical Monday holiday weekend as from 6:00 am of the Friday before the weekend until 6:00 a.m. of the Tuesday after the holiday. Lane closures, road closures, shoulder closures, pacing operations or any operations that will impact the efficient flow of traffic or hinder normal traffic operations during these Monday holiday weekends as defined above are prohibited unless otherwise directed by the County.

5. Easter and Thanksgiving holidays are varied and extended holiday periods of a holiday weekend. Easter holidays are defined as from 12:00 noon of the Thursday before Easter until 6:00 p.m. of the Monday after Easter. Thanksgiving holidays are defined as from 12:00 noon of the Wednesday before Thanksgiving Day until 6:00 a.m. of the Monday after Thanksgiving Day. Lane closures, road closures, shoulder closures, pacing operations or any operations that will impact the efficient flow of traffic or hinder normal traffic operations during the Easter and Thanksgiving holidays as defined above are prohibited unless otherwise directed by the County.

6. The 4th of July holiday is considered an extended holiday period. Considering the progressive nature of the calendar, this extended holiday period will vary from year to year depending the upon day of the week the holiday occurs. See the table below. Lane closures, road closures, shoulder closures, pacing operations or any operations that will impact the efficient flow of traffic or hinder normal traffic operations during the 4th of July holiday as defined below are prohibited unless otherwise directed by the County.

4th of JULY HOLIDAY	
DAY OF WEEK	DURATION
MONDAY	6:00 AM FRIDAY, JULY 1 ST through 10:00 PM SUNDAY JULY 10 TH
TUESDAY	6:00 AM FRIDAY, JUNE 30 TH through 10:00 PM SUNDAY JULY 9 TH
WEDNESDAY	6:00 AM FRIDAY, JUNE 29 TH through 10:00 PM SUNDAY JULY 8 TH
THURSDAY	6:00 AM FRIDAY, JUNE 28 TH through 10:00 PM SUNDAY JULY 7 TH
FRIDAY	6:00 AM FRIDAY, JUNE 27 TH through 10:00 PM SUNDAY JULY 13 TH
SATURDAY	6:00 AM FRIDAY, JUNE 26 TH through 10:00 PM SUNDAY JULY 12 TH
SUNDAY	6:00 AM FRIDAY, JUNE 25 TH through 10:00 PM SUNDAY JULY 11 TH

7. The Christmas holidays are considered an extended holiday period. Considering the progressive nature of the calendar, this extended holiday period will vary from year to year

depending the upon day of the week the holiday occurs. See the table below. Lane closures, road closures, shoulder closures, pacing operations or any operations that will impact the efficient flow of traffic or hinder normal traffic operations during the Christmas holidays as defined below are prohibited unless otherwise directed by the County.

CHRISTMAS HOLIDAYS	
DAY OF WEEK	DURATION
MONDAY	6:00 AM FRIDAY, DECEMBER 22 ND through 10:00 PM WEDNESDAY JANUARY 3 RD
TUESDAY	6:00 AM FRIDAY, DECEMBER 21 ST through 10:00 PM THURSDAY JANUARY 3 RD
WEDNESDAY	6:00 AM FRIDAY, DECEMBER 20 TH through 10:00 PM FRIDAY JANUARY 3 RD
THURSDAY	6:00 AM TUESDAY, DECEMBER 23 RD through 10:00 PM SUNDAY JANUARY 4 TH
FRIDAY	6:00 AM WEDNESDAY, DECEMBER 23 RD through 10:00 PM SUNDAY JANUARY 3 RD
SATURDAY	6:00 AM THURSDAY, DECEMBER 23 RD through 10:00 PM MONDAY JANUARY 3 RD
SUNDAY	6:00 AM FRIDAY, DECEMBER 23 RD through 10:00 PM TUESDAY JANUARY 3 RD

8. Special events are events generating excessive traffic as determined by the County. Lane closures, road closures, shoulder closures, pacing operations or any operation that would impact the efficient flow of traffic or hinder normal traffic operations during special events are prohibited unless otherwise directed by the County.

9. Observe all time restrictions regarding lane closures, road closures, shoulder closures or pacing operations. The RCE may extend these time restrictions as traffic conditions warrant. The County reserves the right to suspend a lane closure, road closure, shoulder closure, pacing operation or any operation if the RCE determines a delay or a resulting traffic backup is excessive. Observe and maintain all project specific time restrictions as specified by the Plans, the Specifications and the RCE. Install and remove lane closures, road closures, shoulder closures or pacing operations including all relative traffic control devices and signs, within the time restrictions. Coordinate work activities requiring lane closures, road closures, shoulder closures or pacing operations in accordance with all restrictions.

WORK ZONE TRAFFIC CONTROL TRAINING REQUIREMENTS FOR CONTRACTORS / SUBCONTRACTORS

1. Description:

This specification details the work zone traffic control training requirements for employees and representatives of a contractor or subcontractor under contract to the South Carolina Department of Transportation (SCDOT) whose job duties include responsibilities relative to implementation and maintenance of the Transportation Management Plan (TMP). “Employees and representatives of a contractor or subcontractor” will henceforth be referred to as “employee” or “employees” and “contractor or subcontractor” will henceforth be referred to as “contractor”.

The SCDOT requires the contractor to provide documentation to substantiate successful completion and attainment of a passing score of a prescribed training course conducted by an SCDOT approved provider by those employees whose job duties categorize them as “designated trainees” as defined hereinafter.

2. Implementation:

These requirements for work zone traffic control training for employees of those entities under contract to the SCDOT whose job duties include responsibilities relative to implementation and maintenance of a TMP shall become effective on all projects let to contract after September 1, 2013.

3. Designated Trainees:

An employee whose job duty responsibilities, as designated hereto, impact or involve any of or all of the components of a TMP must successfully complete an advanced work zone traffic control training program. These components include the primary component, the “Temporary Traffic Control” plan, and the secondary components, the “Transportation Operations” plan and the “Public Information” plan.

An employee whose job duties include any of the following responsibilities regarding the TMP shall successfully complete an advanced work zone traffic control training program conducted by an SCDOT approved work zone traffic control training provider:

Supervision of the field installation of any or all components of the TMP
Supervision of the maintenance of any or all components of the TMP
Supervision of the removal of any or all components of the TMP
Design and development of revisions to an existing TMP
Design and development of a new or alternate TMP
Any decision-making responsibilities regarding the TMP

Those employees whose job duties do not include responsibilities relative to the TMP as stated above are not required to attend an advanced work zone traffic control training program. However, it is recommended that all employees whose job duties place them on the job site within the highway rights-of-way within 30 feet or less of a travel lane open to traffic should attend a basic work zone traffic control training course.

Also, an employee whose job duties include “flagger” shall successfully complete a “Flagger Training” course. However, regarding an employee whose job duties include “flagger” but does not involve any of the responsibilities listed above, successful completion of a “Flagger Training” course is the only mandatory work zone traffic control training course required for this employee; other work zone traffic control training courses are elective.

4. Approved Work Zone Traffic Control Training Providers:

The SCDOT recognizes the following organizations as acceptable providers of an advanced work zone traffic control training program, a “Flagger Training” course or the optional basic work zone traffic control training course:

American Traffic Safety Services Association (ATSSA)
Institute for Transportation Research and Education at North Carolina State University (ITRE)
Carolinas Association of General Contractors (AGC)
National Safety Council South Carolina Chapter

These organizations provide work zone traffic control training in compliance with the MUTCD and reference requirements specific to SCDOT. Therefore, work zone traffic control training provided by entities other than those listed above are not considered comparable and shall be unacceptable.

Specific course material for work zone traffic control training courses designated as “Basic”, “Advanced”, “Supervisor” or “Flagger” and any additional training courses not specified here is determined by the work zone traffic control training course provider and has undergone review and received acceptance by SCDOT. Also, the passing score for each training course is determined by the work zone traffic control provider.

5. Training Requirements / Qualifications:

Successful completion of an advanced work zone traffic control training program is defined as achieving a passing score in all courses, including any prerequisite courses, to attain a level considered “advanced”, “supervisor” or any other relative term as designated by the provider to imply the trainee has an understanding of the course material inclusive of design, implementation and maintenance of work zone traffic control scenarios. Upon successful completion of the program, the trainee should also possess an understanding for determining the need for and developing and implementing adjustments as necessary when applying typical work zone traffic control applications to non-typical work site conditions and scenarios.

The employee whose job duty responsibilities mandate successful completion of an advanced work zone traffic control training program shall do so prior to performing any job duties with responsibilities relative to design and development of a TMP or revisions of an existing TMP or any decision-making responsibilities regarding the TMP or supervision of the field installation and maintenance of any and all components of the TMP.

Also, an employee whose job duties mandate successful completion of a “Flagger” training course shall do so prior to performing any job duties relative to flagging traffic.

Each employee who has successfully completed an approved advanced work zone traffic control training program or a “Flagger” training course shall attend and complete a refresher course relative to the employee’s job duties on a 5-year incremental time frame.

6. Documentation:

The contractor shall provide proof of successful completion of an acceptable advanced work zone traffic control training class by those employees whose job duty responsibilities mandate successful completion of approved work zone traffic control training to the Resident Engineer prior to the employee performing the job duties that incorporate responsibilities which necessitate approved work zone traffic control training. For proof of successful completion of an approved work zone traffic control training class, provide a copy of the certificate of training from the organization who conducted the training to the Resident Engineer. Failure to provide the required documentation as specified shall prevent SCDOT acceptance of the employee as properly trained and acceptable for conducting those job duties that necessitate the prescribed work zone traffic control training.

The contractor shall provide proof of successful completion of an acceptable “Flagger Training” course by all employees whose job duties require them to be the “Flagger” within a flagging operation to the Resident Engineer prior to the employee performing any “Flagger” job duties.

The contractor shall provide proof of successful completion of an acceptable advanced work zone traffic control refresher course for those employees no later than 60 days beyond the 5 year anniversary date of the employee’s certificate date of completion of a previous advanced work zone traffic control training program.

Documentation of proof of completion of a basic work zone traffic control training course by employees whose job duties require their presence on the job site within the highway rights-of-way but exclude any responsibilities relative to the TMP is not required.

CONCRETE ENTRAINED AIR AND SLUMP PROPERTIES

Insert the following into the Standard Specifications:

701.2.12.3.1 Entrained Air and Slump Tests

Prior to discharge into forms, entrained air content (as determined by ASTM C231 or ASTM C173) and slump (as determined by ASTM C143) tests will be performed by the County's representative on the first concrete truck to arrive at the site for every pour to ensure specification compliance. If the first truck arrives with material that is out of tolerance, a retest will be performed after elected steps as outlined below have been taken to correct out of tolerance loads of concrete. Subsequent trucks will be tested, corrected as outlined below, and retested upon arrival until the material meets County specifications. Once test results show consistently acceptable results, future entrained air and slump testing will be at the discretion of the County's representative and when making concrete test specimens for compressive strength testing.

Secure the sample for testing after one cubic yard of concrete has been discharged from the delivery vehicle. The one cubic yard can be used in the work provided that it meets County specifications and is placed into equipment such as a concrete bucket and crane that conveys the concrete without introducing contamination or segregation. The County will then obtain at least two cubic feet of concrete from the delivery vehicle in a sampling receptacle that conforms to the requirements of ASTM C31.

If either the entrained air content or slump testing yields a test result that is outside of the allowable range, the County's representative will perform one retest on a different sample of the load in question. Before the retest, the contractor and/or ready mixed concrete producer may elect to take steps to bring the mix within specifications such as adding additional air entraining admixture, adding water that was held back at the plant, etc. When taking these corrective steps, ensure that all other specifications such as allowable time, required number of additional mixing revolutions, and maximum water/cementitious material ratio are in compliance with County specifications. If the results of the retest are still outside of the allowable range, the load will be rejected and the Contractor's representative will be immediately informed of the test results. Ensure that the producer is immediately notified of the test results through a pre-established means of communication. If the results of the retest indicate passing properties then the concrete will be permitted to be used in the work.

Ensure that no additional cement is added to loads of concrete previously rejected for excessive water content or slump, with the exception of Class 2500 non-structural concrete, as indicated in **Subsection 701.4.6.**

Acceptance or rejection will be based on the results obtained from these tests. Sampling, fabrication, and curing of cylinders to be used for compressive strength testing will be performed as required per ASTM Standards and the Standard Specifications.

EXHIBIT 1

Required Documents

THIS IS NOT AN ORDER

ORIGINAL

*VENDOR

*VENDOR COPY

Dates Advertised: **June 10, 2020**

	<p>(IFB)</p>	<p>FORMAL SEALED BID (X) REQUEST FOR QUOTE ()</p> <p>We require bids to be electronically submitted through our Vendor Registry Program. Please go to www.BeaufortCountySC.gov and sign up to submit your bid. If you do not have access to a computer, you may hand deliver your bid.</p>	
		<p>BIDS WILL BE RECEIVED UNTIL 3:00 P.M.</p>	<p>Bid No.</p>
<p>LOCAL TIME ON:</p> <p style="text-align: center;">July 10, 2020</p>	<p>IFB #071020TE</p>		
<p>BID TITLE: Sam's Point Turn Lane</p>			
<p>PREBID CONFERENCE: Mandatory Pre-Bid conference will be held on June 17, 2020, at 2:00 p.m., on-site located at the corner of SC 802 and US 21. Bidders are responsible for their own transportation. All interested bidders must attend the meeting. Questions will be accepted until June 26, 2020 via email and answers will be provided by addendum no later than July 2, 2020.</p>			
<p>David L. Thomas, CPPO Purchasing Director</p>	<p>Mailing Date</p>	<p>E-MAIL QUESTIONS TO: Dave Thomas – dthomas@bcgov.net at least calendar 10 days before bid opening.</p>	
<p>VENDOR NAME</p>	<p>REASON FOR NO BID</p>		
<p>VENDOR MAILING ADDRESS</p>	<p>Amend Number(s) Received:</p>		
<p>CITY-STATE-ZIP-CODE</p>	<p>S.C. TAX NO.</p>		
<p>Telephone Number ()</p>	<p>FEDERAL I.D. OR SOCIAL SECURITY NO.</p>		
<p>Toll-Free Number ()</p>			
<p>Fax Number ()</p>			
<p>I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm or 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 for the bidder.</p>	<p><u>AUTHORIZED SIGNATURE (MANUAL)</u></p>		
	<p><u>AUTHORIZED SIGNATURE (TYPE/TITLE)</u></p>		
<p>Bid Security is attached (if required) in the amount of: 5% of Bid if over \$30,000.00.</p>			

BID ACCEPTANCE AND DELIVERY (Prices bid must be firm for a minimum of 90 days). In compliance with the Invitation, and subject to all conditions thereof, the above signed offers and agrees, if this bid is accepted within ___ days from date of opening, to furnish any or all items quoted on at prices as set forth after the item and to make delivery within ___ days after receipt of order with transportation cost included and prepaid. Unless otherwise stated and accepted herein, I agree to complete this proposed contract in less than sixty (60) days after issue date of purchase order.

IMPORTANT
IF YOU CONSIDER THESE SPECIFICATIONS AS RESTRICTIVE,
SEE GENERAL PROVISIONS, PARAGRAPH #20, DISCREPANCIES.

* Bids received after the time specified for opening cannot be considered.

BID FORM

THIS BID SUBMITTED TO: Beaufort County Traffic and Transportation Engineering

TITLE OF WORK: Sam's Point Turn Lane

LOCATION OF WORK: Intersection of SC 802 and US 21

1. **BIDDER** has examined all Contract Documents including Addenda.
2. **BIDDER** understands and accepts the terms and conditions of the Invitation to Bid, Instructions to Bidders, and all other Contract Documents.
3. Bidder having examined the plans and specifications with related documents and the site of the proposed work, and being familiar with all of the conditions surrounding the construction of the proposed project including the availability of materials and supplies to construct the project in accordance with the contract documents, within the time set forth herein, and at the process stated below, proposed to enter into a contract with the County to provide the necessary machinery, tools, apparatus, all materials and labor, and other means of construction necessary to complete the Work. The undersigned proposes to furnish and construct the items listed in the attached Schedule of Items for the unit prices stated.
4. Bidder agrees that the cost of any work performed, materials furnished, services provided or expenses incurred, which are not specifically delineated in the Contract Documents, but which are incidental to the scope, intent, and completion of the Contract, shall be deemed to have been included in the prices bid for the various items scheduled.

Start and Completion of Work

The Bidder further proposes and agrees hereby to promptly commence the Work **with adequate force and equipment within ten (10)** calendar days from receipt of Notice to Proceed, or as may be specified by Special Provision. **Contractor shall complete all work within _____ calendar days.**

Bidder acknowledges receipt of the following addenda:

5. In accordance with Paragraph 9.3 of the General Provisions, progress payments will be made less retainage in an amount equal to ten percent (**10%**). If the Contractor is **50% complete** with the project and **on schedule**, the retainage may be reduced to five percent (**5%**).
6. The Work shall be completed in accordance with the Schedule of Prices set forth by **BIDDERS** in Bid Form - Schedule of Prices which is attached hereto and made a part hereof.

7. **BIDDER** will, if this Bid is accepted by Owner, enter into the Agreement included in the Contract Documents to perform and furnish all Work as specified or indicated in the Contract Documents.

8. **BIDDER** has completed the following additional documents, which are attached hereto and made a part hereof:

- (a) **NON-COLLUSION AFFIDAVIT**
- (b) **CONSENT OF SURETY**
- (c) **BID BOND**
- (d) **CERTIFICATION BY CONTRACTOR**

9. **BIDDER** has included with this Bid Form a Bid security in an amount and under the terms and conditions indicated in the Instructions to Bidders.

10. **BIDDER** is organized under the laws of the State of _____ as
a _____ (indicate proprietorship, partnership, or corporation) as follows:

Name (of business): _____

Address: _____

Telephone: _____ FAX: _____

South Carolina Bidder's License No.: _____

Licensing Authority: _____

11. Communications concerning this Bid should be addressed to the attention of
_____ As follows:

Name: _____

Address: _____

Telephone: _____ FAX: _____

SIGNED BY:

Signature

Name Printed

Title: _____ Date: _____

I, the above signed, certify that this Bid does not violate any Federal or State Antitrust Laws.
_____(Initial)

BID BOND

(Five Percent [5%] of Bid)

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned:
_____, as Principal, and

_____, as Surety, are hereby held and firmly bound unto Beaufort County, South Carolina as County in the penal sum of _____

_____ Dollars

(\$ _____) for the payment of which, well and truly to be made, we hereby jointly and severally bid ourselves, our heirs, executors, administrators, successors, and assigns. Signed this _____ day of _____, 20_____.

The condition of the above obligation is such that whereas the Principal has submitted to Beaufort County, South Carolina a certain bid attached hereto and hereby made a part hereof to enter into a contract in writing for the construction of:

NOW, THEREFORE,

- a) If said bid shall be rejected or in the alternate.
- b) If said bid shall be accepted and the Principal shall execute and deliver a Contract in the Form of Contract attached hereto (properly complete in accordance with said bid) and shall furnish a bond for his faithful performance of said Contract and for the payment of all persons performing labor and furnishing material in connection therewith, and shall in all other respects perform the agreement created by the acceptance of said bid, then this obligation shall be void, otherwise the same shall remain in force and effect, it being expressly understood and agreed that the liability of the surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no way impaired or affected by any extension of the time within which the County may accept such bids, and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, the day and year first set forth above.

_____(SEAL)
Principal

By: _____

_____(SEAL)

Surety: _____

By: _____
South Carolina Representative

CONSENT OF SURETY

OWNER: _____

TITLE OF WORK: _____
(Complete above exactly as given in Invitation to Bid)

In consideration of the premises and of One Dollar (\$1.00), lawful money of the United States, it is in hand paid by the Contractor, the receipt whereof, is hereby acknowledged, the undersigned surety consents and agrees that if the contract, for which the preceding Bid is made, be awarded to the person or persons submitting the same as contracted, it will become bound as surety and guarantor for its faithful performance in an amount equal to one hundred percent (100%) of the Contract Price, and will execute as surety thereto when required to do so by the Owner, and if the said Contractor shall omit or refuse to execute such contract, if so awarded, it will pay without proof of notice and on demand to the Owner any increase between the sum of which the said Contractor would have been entitled upon the completion of the said Contract and the sum which the said Owner may be obligated to pay to another contractor to whom the contract may be afterwards awarded, the amount in such case to be determined by the bids plus the cost, if any, of re-advertising for bids for this work, less the amount of any certified check or bid bond payable and received.

In witness whereof, said surety has caused these presents to be signed and attested by a duly authorized officer and its corporate seal to be hereto affixed this _____ day of _____, 20____.

(A corporate acknowledgment and statement of authority to be here attached by the surety company).

(Surety Company)

BY: _____
(Surety Company, Attorney-In-Fact)

Attest: _____

CERTIFICATION BY CONTRACTOR

Regarding

NON-SEGREGATED FACILITIES

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

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

Contractor

(Signature)

Name and Title of Signer

Date

NON-COLLUSION AFFIDAVIT OF PRIME BIDDER

State of _____)

) ss.

County of _____)

_____ Being first duly sworn,

deposes and says that:

He is _____ (Owner, Partner, Officer, Representative, or Agent) of the Bidder that has submitted the attached Bid;

(1) He is fully informed respecting the preparation and contents of the attached Bid and of all pertinent circumstances respecting such Bid;

(2) Such Bid is genuine and is not a collusive or sham Bid;

(3) Neither the said Bidder nor any of its officers, partners, owners, agents, representatives, employees, or parties in interest, including this affiant, has in any way colluded, conspired, connived, or agreed, directly or indirectly, with any other Bidder, firm or person to submit a collusive or sham Bid in connection with the Contract for which the attached Bid has been submitted to or refrain from bidding in connection with such Contract, or has in any collusion or communication or conference with any other Bidder, firm or person to fix the price or prices in the attached Bid or of another Bidder, or to fix any overhead, profit or cost element of the bid price or the Bid of any other Bidder, or to secure through any collusion, conspiracy, connivance or unlawful agreement any advantage against Beaufort County or any person interested in the proposed Contract; and,

(4) The price or prices quoted in the attached Bid are fair and proper and are not tainted by any collusion, conspiracy, connivance, or unlawful agreement on the part of the Bidder or any of its agents, representative, owners, employees, or parties in interest, including this affiant.

Name

Title

Subscribed and sworn to before me this

_____ Day of _____, 20_____.

_____ (SEAL)

_____ Title

My commission expires: _____

CONTRACTOR'S QUALIFICATION STATEMENT

CERTIFICATION: The following is a statement of fact.

Signature	Typed Name and Title	Date
-----------	----------------------	------

A. GENERAL

A.1 Submit to: _____

A.2 Name of Project (if applicable): [Project Title] _____
[Project Location] _____

A.3 Contractor:

A.4 Name: _____

Mailing Address: _____

Street Address: _____

Telephone Number (including area code): _____

Facsimile Number (including area code): _____

Contact Person: _____

Contact Person's Telephone Number: _____

South Carolina Contractor's License Number: _____

B. BUSINESS ORGANIZATION

B.1 Check type of business organization:

Corporation _____ Individual _____ Partnership _____

(Name of Partners) _____

Joint Venture _____ Other _____

B.2 If a corporation: _____

State of Incorporation: _____

If not incorporated in South Carolina, State Corporation Commission Registration
Number: _____

Date of Incorporation: _____

Federal I.D. Number: _____

Name Address Phone No. Yrs. in Position

Officers:

President:

Vice President(s):

Secretary: _____

Treasurer: _____

Are you a Subchapter S Corporation: Yes _____ No _____

Name Address Phone No.

Subchapter S Shareholders: _____

B.3 If a partnership:

Date of Organization: _____

Type of partnership: _____

List of General Partners:

Name Address & Phone No. _____

Years as GP _____

B.4 If individually owned:

Name, address, and phone number of sole-proprietor: _____

Years in business: _____

B.5 Have you ever operated under another name? Yes _____ No _____

If yes,

All other business names and addresses of principal placed of business for each business.

Number of years in business under each name:

Contractor's license number in each state in which a business was operated.

C. BONDING

C.1 Bonding Agent:

Name: _____

Address: _____

Telephone Number (including area code): _____

Contact Person: _____

C.2 Bonding Company: _____

Name: _____

Address: _____

Telephone Number (including area code): _____

Contact Person: _____

Best's Key Rating of bonding company: _____

C.3 Number of years this bonding company has acted as surety for you:

C.4 Bonding Capacity: Maximum single job size: _____
Total bonding limit: _____

C.5 Do you intend to use any alternative form of security? _____
If so, indicate the form of security you intend to use and the name, address, point of contact, and telephone number of the banks, savings and loan, or surety you intend to use. (NOTE: Prequalification will not assure acceptance of any form of security.)

Form of Security: _____

Bank or Savings & Loan: _____

Contact: _____

Address & Phone No.: _____

C.6 Have any Performance or Payment Bond claims ever been paid by any surety on behalf of your organization?

Yes _____ No _____

If yes, state the name of the project(s); the date; the name, address, telephone number, and contact person for the claimant; the surety satisfying the claim; the size of the claim; and the circumstances giving rise to the claim. (Provide attachments if necessary.)

C.7 Have you ever arbitrated or litigated a claim with an Owner, Architect, or Engineer in the last five years?

Yes _____ No _____

If yes, state the name of the project(s); the date; the name, address, telephone number, and contact person for the claimant; the surety satisfying the claim; the size of the claim; and the circumstances giving rise to the claim. (Provide attachments if necessary.)

C.8 If you answer yes to the following, provide the name, address, telephone number, contact person, and circumstances relating to the question on a separate attachment.

Have you or any officer, partner, or owner of your organization, in any state or territory

of the United States, or with respect to any agency of the Federal government:

- a) In the last in the last five years, received any fines or citations for building code violations which were unrelated to design? Y____N____
- b) Ever been found to be guilty of charges relating to conflicts of interest: Y____N____
- c) Ever been convicted on charges related to any criminal activity relating to construction means, methods, or techniques; bidding or bid rigging; or bribery? Y____N____
- d) In the last five years, been found guilty of any minority contracting law violations? Y____N____
- e) In the last five years, pleaded no contest in any criminal proceeding related to contracting? Y____N____
- f) Ever been disbarred from doing Federal, state, or local government work for any reason? Y____N____
- g) Ever been terminated on a contract due to your default? Y____N____
- h) In the last five years, paid liquidated damages for being late on a project? Y____N____
- i) In the last five years, been subject to tax collection proceedings? Y____N____
- j) In the last seven years, filed for bankruptcy? Y____N____

If the answer to j) was yes, under what chapter of bankruptcy did you file?

If you filed under Chapter 11 Reorganization, how long did you operate under this status?_____

Are you operating under Chapter 11 status now? Y____N____

D. SAFETY

D.1 Have you, in the last three years, been cited for willful violations for failure to abate, or for repeated violations, by the United States Occupational Safety and Health

Administration or by the South Carolina Occupational Safety and Health Administration or by any other governmental body? Y____N____

If yes, state date, name, address, telephone number, and contact person for agency issuing citation and the nature of the violation. Also, advise the amount of fines paid, if any. Provide attachments if necessary.

D.2 List your workman's compensation experience modifier for the last three years.

E. References

E.1 Provide at least two references from each industry group listed. Provide other references as requested. Provide current names, addresses, telephone numbers, and contacts.

Architects/Engineers:

Major Subcontractors:

Financial Institutions:

Certification Regarding Debarment, Suspension, Ineligibility, and Voluntary Exclusion:

Company Name:

The contractor certifies, by submission of this qualification statement or acceptance of a contract, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any State, Federal department, or agency. It further agrees by submitting this qualification statement that it will include this clause without modification in all lower tier transactions, solicitations, proposals, contracts, and subcontracts. Where the bidder/contractor or any lower tier participant is unable to certify to this statement, it shall attach an explanation to this solicitation/bid. State whether or not your company has been involved in any litigation within the past five (5) years arising out of your performance.

Circle Yes or No.

If you answer yes, explain fully if it has been involved in any litigation involving performance.

Signature _____

LOCAL VENDOR PREFERENCE – PARTICIPATION AFFIDAVIT

SECTION 2.537.1

A competitive procurement made by Beaufort County shall be made from responsive and responsible resident vendors in the County for procurement, if such bid does not exceed the lowest qualified bid from a non-county vendor by more than five (5%) percent or Ten Thousand (\$10,000.00) Dollars, whichever is less of the lowest non-county bidder. The resident vendor has the discretion to match the bid submitted by the non-county vendor and receive the contract award.

A vendor shall be deemed to be a “local vendor” if such vendor is an individual, partnership, association or corporation that is authorized to transact business within the state, maintains an office in the Beaufort County, has a business license of Beaufort County or one of the municipalities within Beaufort County, and maintains a representative inventory of commodities within Beaufort County or one of the municipalities on which the bid is submitted and has paid all taxes duly assessed.

If no bids are received, from a Beaufort County Local Vendor a vendor shall be deemed to be a “local vendor” if such vendor is an individual, partnership, association or corporation that is authorized to transact business within the state, maintains an office in Jasper, Hampton, or Colleton Counties (local preference only applies if Jasper, Hampton and Colleton Counties offer reciprocity to Beaufort County). A competitive procurement made by the county shall be made from responsive and responsible resident vendors in the respective counties for procurement, if such bid does not exceed the lowest qualified bid from a non-local vendor by more than five (5%) percent or \$10,000.00, whichever is less, local vendor has the discretion to match the bid submitted by the non-local vendor and receive the contract award.

If the procurement is to be made pursuant to state or federal guidelines, which prohibit or restrict a local or state preference, there shall be no local or state preference unless a more restricted variation is allowed under the guidelines. Local/state preference shall not be applied to the procurement of construction services.

The undersigned hereby attests that the criteria of the “RESIDENT VENDOR PREFERENCE, SECTION 2.537.1” are met for the purposes of bid document _____, dated _____

Company Name: _____ Principal Name: _____

Company Address: _____

Secretary of State Designation: (Corporation, Individual, Partnership, Other) _____

Beaufort County Business License/Classification: _____

Tax Obligation Current: _____

Signature of Principal/Date: _____

EXHIBIT 2

EXHIBIT 3