

COUNTY OF LEXINGTON

Procurement Services
212 South Lake Drive, Suite 503
Lexington, SC 29072
(803)785-8319 Fax (803)785-2240

AMENDMENT TO SOLICITATION

AMENDMENT NO. 2

ISSUE DATE: 09/16/14

SOLICITATION NO. B15012-09/24/14S

DATED: 08/29/2014

PROJECT: D.E. Clark Road Improvements

ADDENDUM SECTIONS:

- 1.) Attached “List of Attendees” for the 9/10/2014 Pre-Bid Meeting (Pages 3-4)
- 2.) Attached “Meeting Minutes” for the 9/10/2014 Pre-Bid Meeting (Pages 5-8)
- 3.) Attached Revised “Bid Document” pages with the following changes:
 - a. Page 2, Table of Contents has been revised to reflect changes in page numbering due to the addition of AC adjustment for HMA.
 - b. Page 11, work hours have been revised.
 - c. Page 30-31, Table of Contents has been revised to reflect changes in page numbering due to the addition of AC adjustment for HMA.
 - d. Page 40-41, details regarding AC adjustment for HMA have been added.
 - e. Page 42-55, page numbers have been changed.
- 4.) Attached revised plan sheet 3 with corrected typical section of roadway showing HMA.
- 5.) Questions
 - a. **Can work hours be expanded? Contractor’s normal work hours are 7:30 AM to 5:30 PM.**
Work hours have been revised to 7:00 A.M. – 5:30 P.M. Monday-Friday.
 - b. **Who is responsible for compaction testing and quality control in general?**
Mead & Hunt will provide all quality control and quality assurance for all materials with the exception Hot Mix Asphalt. The Contractor is responsible with all quality control for Hot Mix Asphalt in accordance with current SCDOT standards.
 - c. **Due to the length of the project will Overhaul be considered for the project?**
Based on the amount of fill allotted for the project we do not anticipate a need for overhaul for the unclassified excavation. No hauls over 3000 LF are anticipated therefore no line item has been developed for the project.

Offerors must acknowledge receipt of this amendment by one of the following methods: (a) By signing and returning one copy of this amendment with your bid; (b) By acknowledging receipt of this amendment on each copy of the bid submitted; or separate letter which includes a reference to the solicitation and amendment numbers. Failure of your acknowledgment to be received at the Purchasing Office prior to the hour and date of the opening may result in rejection of your offer. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by letter, provided such letter makes reference to the solicitation and this amendment and is received prior to the opening hour and date specified.

Angela M. Seymour
Procurement Officer

CONTRACTOR: _____

NAME & TITLE OF AUTHORIZED REPRESENTATIVE _____

AUTHORIZED SIGNATURE _____

Jeffrey A Hyde
Procurement Manager

COUNTY OF LEXINGTON

DE Clark Rd Improvements

B15012-09/24/14S – Mandatory Pre-Bid Conference

September 10, 2014 @ 11:00 AM

LIST OF ATTENDEES

1. R+T Grading, Inc
Company Name
Lynn Rucker
Representative
744 Tindal Rd.
Address
Pelion SC 29123
City, State, Zip Code
803-894-7827 / 803-894-4405
Telephone # / Fax #
rtginc@pbtcomm.net
E-Mail Address

2. C. R. JACKSON, Inc
Company Name
Kareed Jackson
Representative
P. O. Box 8023
Address
Columbia, SC 29202
City, State, Zip Code
750-6070 / 750-6094
Telephone # / Fax #
KJACKSON@CRJACKSON.COM
E-Mail Address

3. JC Wilkie Construction, LLC
Company Name
Chris Branham
Representative
349 Buck Corley Court
Address
Lexington, SC 29073
City, State, Zip Code
803-808-3220 / 803-808-3262
Telephone # / Fax #
Cbranham@jcwilkiellc.com
E-Mail Address

4. Eagle Constr. Co., INC.
Company Name
Glady Wickel
Representative
P.O. Box 132 - 1497 Whitener Rd.
Address
Newberry, SC 29108
City, State, Zip Code
803-276-5040 / 803-321-2332
Telephone # / Fax #
gwickel@eagleconstructionco.com
E-Mail Address

5. Cherokee INC
Company Name
James Gregory
Representative
6928 Chevial St
Address
Columbia SC 29209
City, State, Zip Code
803 976 4870
Telephone # / Fax #
803 776 5507
E-Mail Address

6. Coogler Construction
Company Name
Monica French
Representative
1760 Dutch Fork Rd
Address
Irmo SC 29063
City, State, Zip Code
803-781-7411 / 803-781-2457
Telephone # / Fax #
Monica@cooglerconstruction.com
E-Mail Address

JGregory@Cherokee-SC.COM

COUNTY OF LEXINGTON

DE Clark Rd Improvements

B15012-09/24/14S – Mandatory Pre-Bid Conference

September 10, 2014 @ 11:00 AM

LIST OF ATTENDEES

1. WALTER L HUNKE CONSTRUCTION
 Company Name
Tripp Hunke
 Representative
118 DORRIS WOOD RD
 Address
Lex SC 29073
 City, State, Zip Code
803 796 2544 796-2545
 Telephone # / Fax #
Thusterconst@gmail.com
 E-Mail Address

2. LANE CONSTRUCTION
 Company Name
TRIPP OWINGS
 Representative
PO BOX 3846
 Address
WEST COLUMBIA SC 29171
 City, State, Zip Code
803-791-1295 / 803-791-1965
 Telephone # / Fax #
twowings@laneconstruct.com
 E-Mail Address

3.

 Company Name

 Representative

 Address

 City, State, Zip Code

 Telephone # / Fax #

 E-Mail Address

4.

 Company Name

 Representative

 Address

 City, State, Zip Code

 Telephone # / Fax #

 E-Mail Address

5.

 Company Name

 Representative

 Address

 City, State, Zip Code

 Telephone # / Fax #

 E-Mail Address

6.

 Company Name

 Representative

 Address

 City, State, Zip Code

 Telephone # / Fax #

 E-Mail Address

**D.E. Clark Road Improvements
Bid Number: B15012-09/24/14S
Mandatory Pre-Bid Conference
Meeting Minutes
September 10, 2014**

Attendees:

Angela Seymour	<i>Lexington County</i>
Joey Derby	<i>Lexington County</i>
Brent Hyatt	<i>Lexington County</i>
Berry Still	<i>Mead & Hunt, Inc.</i>
Chris Baker	<i>Mead & Hunt, Inc.</i>

Contractors:

Karen Jackson	<i>C.R. Jackson, Inc.</i>
Monica French	<i>Coogler Construction</i>
Chris Branham	<i>J.C. Wilkie Construction</i>
Lynn Rucker	<i>R. & T. Grading Inc.</i>
Grady Wicker	<i>Eagle Construction Co., Inc.</i>
James Gregory	<i>Cherokee Inc.</i>
Tripp Hunter	<i>Walter L. Hunter Construction</i>
Tripp Owings	<i>Lane Construction</i>

Meeting Minutes:

This was a mandatory Pre-Bid meeting for roadway improvements to D.E. Clark Road. A summary of the main points of the meeting are provided below.

- Ms. Seymour began by introducing herself and gave a quick overview of the project.
- Ms. Seymour stated that everyone needed to sign in, in order for the contractor to receive credit for attending the mandatory Pre-Bid meeting.
- Ms. Seymour gave a brief review of the Bid Document and highlighted key points the contractors need to be aware of. They are as follow:
 - Invitation to Bidders
 - Plan and Bid Documents are to be obtained from Mead and Hunt, Inc. (M&H). The address for M&H and the cost for the bid package are outlined in this section.
 - Bid Opening is 3:00 pm, Wednesday September 24th, 2014
 - All questions are due in writing by September 11th, 2014 at 5:00 p.m. If any method other than in writing is used for contact, she will ask that your question be submitted in writing before a response will be given. The only question that can be answered over the phone is to confirm the day and time of the bid opening

- “No Bid” Response Form
 - If a contractor chooses not to bid the project, the County requests for the contractor to submit the “No Bid” response form for their records. These may be submitted via email or fax and are not required to be submitted via closed envelope.
- Bidders Checklist
 - Bidder must acknowledge all items listed on checklist have been submitted with bid to be considered a responsive bidder.
- Bond Requirements
 - Ms. Seymour reviewed the Bid Bond, Certified Checks, Performance and Payment Surety, Performance Bond, Certified Checks, Irrevocable Letter of Credit, and Failure to submit a proper and correct bid.
- Instruction to Bidders
 - If a prospective bidder is caught discussing the project with the engineer or any county representative prior to submission of their bid, the contractor will be disqualified for the bid.
- General Provisions
- General Conditions
 - The contractor should at a minimum provide weekly reports/diaries to the inspector detailing progress and billable quantities for concurrence. A draft of each monthly invoice shall be submitted to the project manager for concurrence prior to submittal of the AIA document. Lexington County has 30 days from receipt of a correctly completed invoice to remit payment. Procurement will determine if an invoice has been correctly submitted or not.
 - The DBE goal for this project is 10%, 5% MBE and 5% WBE. The bidder must demonstrate their attempt to meet this goal and provide verification if the goal cannot be met. Quarterly Reporting by the contractor to Lexington County is required and outlined in the bid package. The contractor is required to report DBE expenditures to Lexington County on a quarterly basis and at project closeout. The use of the SCDOT DBE form is required.
- Mr. Derby referenced the new County work hours allotted for the project. Work hours are Monday-Friday from 8:00am to 5:00pm. Any deviation from these hours would have to be approved by Lexington County prior to commencement of work.
- Mr. Gregory asked why 8:00 a.m. Mr. Derby stated that these are the counties hours. Ms. Seymour said that any emails pertaining to county hours can be sent to her and she will forward them on.
 - Bidders Schedule
 - Mr. Derby stated that the project would be 180 calendar days from notice to proceed and that liquidated damages in the amount of \$200/ calendar day would be assessed for every day over the 180 calendar day contract time.
 - Mr. Derby advised that the contractors take the time to read the updated General Conditions: Items 41 (Time for Completion and Liquidated Damages) and Item 42 (Final Walk-Thru Inspection).

- Mr. Derby stated that the Notice to Proceed will be issued on October 27th and work must be commenced within ten days.
 - Mr. Derby explained the Bid Alternate Base- 8” Sand Clay and that the Bid Total would only include one Base Alternate.
 - Mr. Derby explained the Optional Bid. The contractor is not required to provide a price for the optional bid. The optional bid will not be used to identify low bidder. The optional bid item will only be evaluated for the selected low bidder of the Base Bid/Alternative Bid amount.
 - Mr. Still stated that only one base bid should be used and that HMA is the only surface that will be used in determining the low bidder.
 - Scope of Work
 - Mr. Derby stated that there would be a two year warranty on this project. The two year warranty period begins at the counties final date of acceptance of the roadway.
 - Paving of approximately 13,140 LF of D. E. Clark Rd in accordance with specifications and plans provided. Associated work shall include clearing, grading, drainage improvements, and grassing.
 - The section for D. E. Clark road is 6” GABC and Hot Mix Asphalt. Prime coat shall be applied to the base course.
 - Project Notes
 - Mr. Derby stated that erosion control for the project will not be handled as a lump sum bid item. Erosion control devices have separate bid line items, and additional quantities for erosion control items are listed as contingent. He made the contractors aware of the erosion control sheets that are part of the plans. These sheets detail the approximate location in which each erosion control device is to be placed. Maintenance of these items will be Lump Sum
 - The Contractor will be responsible for utility coordination for the duration of the construction project. All utility owners will be invited to attend the pre-construction meeting prior to any construction work in the field.
 - Mr. Derby stated that the realignment of Jewell Boone Road will be part of the project with the contractor having to provide lines and grades in the field. These lines and grades must be approved by Lexington County prior to commencement of work. Quantities have been provided in the bid items for the realignment of Jewell Boone Road.
 - Mr. Still stated that per the general notes located on the plans, the contractor is to develop and distribute an 8.5” x 11” project flyer to all residences living along D.E. Clark Road.
 - Mr. Still covered the SCDOT intersections and noted that only Fairview Road will be required to have intermediate course. The section of Water Tank will only require milling and the tie in with HMA surface.

- The line item for Organic Topsoil- The contractor is responsible for placing and mixing suitable topsoil material as per the plans and specs. Topsoil will not to be placed on the back slope of the ditch.
- The contractor is to coordinate with SCDOT personnel prior to any work to be done in SCDOT right of way. An Encroachment Permit has been approved for this project.
- Ms. Seymour reminded the room the importance of filling out the Bidder Checklist and Certificate of Familiarity to be considered a proper bid.

Attendee Questions:

- Q: Ms. Jackson asked if the asphalt can be tied in with the AC index?**
A: *Mr. Still stated that at this time we did not include an index, but Mr. Derby said that this will be addressed in Amendment #2*
- Q: Mr. Wicker asked if any fencing is to be included in the moving items?**
A: *Mr. Baker said the relocation of any fencing will be included in the moving items. A detailed line item was not necessary because of the low number of fencing on the project.*
- Q: Mr. Owings asked if the utilities will be moved prior to the NTP?**
A: *Mr. Derby said that any delays that are on the fault of the utility companies not having relocated facilities will be given consideration.*
- Q: Ms. Jackson asked if overhaul would be used on the job?**
A: *Mr. Still stated that Mead & Hunt will investigate whether overhaul will be necessary based on project balance points.*

The meeting was concluded at 11:30 AM.

TABLE of CONTENTS

	Page No.
Invitation to Bid	3-4
No Bid Response Form	5
Bond Requirements	6
Instructions to Bidders	7-8
General Provisions	9-11
General Conditions	12-20
Bidder's Schedule	20-21
Bid Form	22-23
Bidder's Checklist.....	24
Certificate of Familiarity.....	25
Listing of Subcontractors	26
Disadvantaged Business Enterprises Committal Sheet	27
Request for Written Response to Questions Form	28
Special Provisions	29-50
Project Closeout Documents	51-55

9. **WAIVER:** The County reserves the right to waive any Instruction to Bidders, General or Special Provisions, General or Special Conditions, or specifications deviation if deemed to be in the best interest of the County.
10. **COMPETITION:** This solicitation is intended to promote competition. If any language, specifications, terms and conditions, or any combination thereof restricts or limits the requirements in this solicitation to a single source, it shall be the responsibility of the interested Contractor to notify the Procurement Services Office in writing no less than five (5) days prior to the opening date. The solicitation may or may not be changed but a review of such notification will be made prior to the award.
11. **REJECTION:** Lexington County reserves the right to reject any bid that contains prices for individual items or services that are inconsistent or unrealistic when compared to other prices in the same or other bids or ambiguous bids which are uncertain as to terms, delivery, quantity, or compliance with specifications may be rejected or otherwise disregarded if such action is in the best interest of the County.
12. **WORK HOURS:**
 - 12.1 The normal working hours per day will be limited from 7:00 AM E.S.T to 5:30 PM E.S.T Monday through Friday provided sufficient daylight is available.
 - 12.2 The Contractor shall not perform work on Saturday, Sunday or Holidays.
 - 12.3 The following days are recognized as holidays by the owner:
 - New Years Day
 - Martin Luther King Day
 - Presidents Day
 - Confederate Memorial Day
 - Memorial Day
 - Independence Day
 - Labor Day
 - Veterans Day
 - Day after Thanksgiving
 - Thanksgiving Day
 - Christmas Eve
 - Christmas Day
 - Day after Christmas
 - 12.4 When such recognized holidays fall on a Saturday or Sunday, the Owner may at its discretion, declare the preceding Friday or following Monday as a holiday. In the event that the Governor of the State/Board of County Commissioners shall declare any day or days preceding or following a holiday as a holiday, the Owner may, at its discretion, also declare such day or days as holidays.

TABLE of CONTENTS

Item No.	Title	Page No.
105	Control of Work.....	32
1031000	Mobilization.....	32
1071000	Traffic Control	33
2011000	Clearing & Grubbing within Right of Way	34
2025000	Removal and Disposal of Existing Asphalt Pavement.....	34
C203	Excavation	35
2031000		
2033000		
208.1	Subgrade	36
211.1	Proof Rolling	37
3031008	Sand Clay Base Course (8" Uniform).....	38
3050106	Graded Aggregate Base Course (6"Uniform).....	38
3069900	Maintenance Stone.....	39
4020320	Hot Mix Asphalt Intermediate Course (Type B) 400#/sy	39
4030320	2" Hot Mix Asphalt Surface Course (Type B) 220#/sy	39
4080101	Asphalt Surface Treatment (Triple Treatment Type 1)	41
6250010	Solid Lines Fast Dry Paint	41
6250110		
6250025	24" White Fast Dry Paint Stop Bar	42
6301100	Permanent Yellow Pavement Markers Bi-Dir.- 4"X 4"	42
7141112	RCP	43
7141113		
7141114		
7141118		
7191205	Catch Basin Type 9/ Extra Depth of Box	44
7191208		
7192105		
7196000		
720.1	Concrete Key	45
8041010	Rip Rap/ Geotextile Fabric	46
8048205		
8080000	Moving Items	46

8100001 Temporary/ Permanent Vegetation47
8103100
8101100 Organic Topsoil47
C8151110 Erosion Control Matting48
8153000 Silt Fence/Inlet Structure Filter – Type F (Non weighted)48
8156100 Rock Check Dams49
8156490 Stabilized Construction Entrance49
815 Erosion Control Maintenance49

combined with asphalt cement. The Engineer will permit the use of HMA Surface Course containing RAP material in the specified mixes. This material must meet SCDOT requirements. At any time during the period of the Contract, the Owner may increase, decrease, delete, or substitute HMA tonnage listed herein at its discretion.

- .02 MATERIALS:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 403.2 in its entirety.
- .03 EQUIPMENT:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 403.3 in its entirety.
- .04 CONSTRUCTION:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 403.4 in its entirety and the following:
- A.** The contractor shall apply a prime coat to sand clay base layers or graded aggregate base in accordance to SCDOT Specifications Section 401.4.18. Delay prime coat application as necessary to achieve uniform penetration of the base course. Apply the prime at a rate of 0.25 to 0.28 gallons per square yard of asphalt. The method of application is prescribed in pertinent sections of SCDOT Specifications Section 406.
 - B.** When it is necessary to maintain traffic on a road or a section of road before the prime coat has time to sufficiently dry to prevent pickup, apply sand or some approved granular material as a cover as directed by the Engineer. The cost of furnishing this material and performing this work shall be incidental to the cost of the Hot Mix Asphalt.
 - C.** The Contractor shall protect the pavement against damage from all causes. Any part of the pavement that is damaged shall be repaired or replaced by and at the expense of the Contractor.
 - D.** HMA shall be placed only when the ambient air temperature at the surface is at least 40° F (4° C) and rising.
 - E.** All HMA shall be compacted by rolling, with approved equipment, to an in-place density of 92.0 to 97.0 percent of the maximum density.
 - F.** Testing of Hot Mix Asphalt (HMA) pavements shall be in accordance with SCDOT Specifications Section 401.4.20/21 at the Contractor's expense. Additional testing will be required at any areas deemed necessary by the Engineer at the Contractor's expense. Copies of all test results shall be given to the Owner.
- .05 MEASUREMENT AND PAYMENT:** Refer to Section 401.5 and Section 403.5 of the SCDOT Specification Booklet and the following:
- A.** Hot Mix Asphalt pavements will be measured and paid for at the Contract Unit Price Bid per Ton. The payment will be full compensation for furnishing, mixing, hauling, placing, testing, prime coat, labor, equipment, tools and incidentals necessary to complete the work.
 - B.** Adjustment of existing visible manholes, valve boxes, inlets or other structures will not be measured but the cost will be incidental to the Contract unit price bid per ton for Hot Mix Asphalt pavement unless otherwise specified in the Contract documents.
 - C.** All costs for constructing or removal of tie-ins, final or temporary shall be considered incidental to the price per ton for HMA Surface Course.
 - D.** An adjustment will be made to the final Contract unit price of the HMA if the price for liquid asphalt binder fluctuates significantly (greater than 10% up or down) from the prevailing price as quoted in the Contract Documents to the date of placement. All adjustments will be made in accordance with Section 401.5 and 401.6 of the SCDOT 2007 Standard Specifications for Highway Construction and the SCDOT monthly indexes website at http://www.scdot.org/doing/doingdocs/fuel_and_ac_index_spreadsheet.xlsx.

For the purpose of this Contract and Award, the prevailing base price of PG 64-22 Asphalt Cement is \$632.31 per ton. This prevailing base price shall be used for any asphalt cement cost adjustment under Section 401 of the SCDOT specifications.

- E. HMA shall be compacted to an in place density of 92 to 97 percent of the maximum density. If the Contractor obtains 92 to 97 percent densities, payment will be made at 100% of the Contract unit price bid per ton for the material at that density. Likewise densities from 90.5 to 91.9 will be paid at 93% of the Contract unit price bid per ton for the material at that density. All densities falling below 90.5 percent shall be milled out and replaced. When the Engineer determines to reject a lot, the lot shall be replaced at no cost to the Owner.

Item No. 4080101 – ASPHALT SURFACE TREATMENT (TRIPLE TREATMENT TYPE 1)

- .01 DESCRIPTION:** This work shall consist of providing a wearing surface composed of asphalt prime coat (when specified herein), an application of asphalt material and aggregate, covered with the appropriate number of applications of asphalt material and seal aggregate, constructed on a prepared base, and in conformance with the typical cross-section on the Plans.
- .02 MATERIALS:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 408.2 in its entirety.
- .03 EQUIPMENT:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 408.3 in its entirety.
- .04 CONSTRUCTION:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 408.4 in its entirety.
- .05 MEASUREMENT AND PAYMENT:** Asphalt Surface Treatment shall be measured and paid for at the Contract Unit Price bid per Square Yard. The payment will be full compensation for constructing the asphalt surface treatment as specified or directed and includes furnishing, hauling, applying, spreading, and rolling the asphalt surface treatment, cleaning the existing surface, calibrating equipment, maintaining the surface, and other material, labor, equipment, transportation, tools, and incidentals necessary to complete the work

Item No. 6250010 – 4" WHITE SOLID LINES

Item No. 6250110 – 4" YELLOW SOLID LINES

- .01 DESCRIPTION:** This work shall consist of furnishing and installing 4" Yellow or White Solid Lines. Locations of lines to be placed as detailed on Plan Sheet 3 of the provided construction plans and/or as directed by the Engineer. This work shall include all materials, equipment, labor, and incidentals necessary to complete the work.
- .02 MATERIALS:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 625.2 in its entirety.
- .03 EQUIPMENT:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 625.3 in its entirety.
- .04 CONSTRUCTION:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 625.4 in its entirety.

- .05 MEASUREMENT AND PAYMENT:** 4” Yellow and white solid lines will be measured and paid for at the Contract Unit Price bid per lineal foot. The payment will be full compensation for all material, labor, equipment, tools, and incidentals necessary to complete the work.

Item No. 6250025 – 24” WHITE SOLID LINES

- .01 DESCRIPTION:** This work shall consist of furnishing and installing 24” White Solid Lines. Locations of lines to be placed as directed by the Engineer. This work shall include all materials, equipment, labor, and incidentals necessary to complete the work.
- .02 MATERIALS:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 625.2 in its entirety.
- .03 EQUIPMENT:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 625.3 in its entirety.
- .04 CONSTRUCTION:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 625.4 in its entirety.
- .05 MEASUREMENT AND PAYMENT:** 24” White solid lines will be measured and paid for at the Contract Unit Price bid per lineal foot. The payment will be full compensation for all material, labor, equipment, tools, and incidentals necessary to complete the work

Item No. 6301100 – PERMANENT YELLOW PAVEMENT MARKERS BI-DIR.- 4"X 4"

- .01 DESCRIPTION:** This section contains specifications for the materials, equipment, construction, measurement, and payment for furnishing and installing durable, abrasion-resistant retroreflective pavement markers (RPM) at 80 LF increments in tangents, 40 LF in curves and as directed by the RCE. Also included is protection of the RPM during installation.
- .02 MATERIALS:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 630.2 in its entirety.
- .03 EQUIPMENT:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 630.3 in its entirety.
- .04 CONSTRUCTION:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 630.4 in its entirety.
- .05 MEASUREMENT AND PAYMENT:** The quantity for the pay item Permanent (*Clear, Yellow, or Red/Clear*) Pavement Markers (*Mono-Directional or Bi-Directional*) – (*4"X4" or 5"X2"*) is measured by each (EA) permanent raised mono-directional or bi-directional retroreflective pavement marker of each color, type, and size in-place, complete and accepted Traffic control utilized during the performance of raised pavement marker work is not measured under items covered by this section, but is included in the Traffic Control line item. Payment for the accepted quantity for Permanent (*Clear, Yellow, or Red/Clear*) Pavement Markers (*Mono-Directional or Bi-Directional*) – (*4"X4" or 5"X2"*) is determined using the contract unit bid price for the applicable item. Payment is full compensation for installing raised pavement markers as specified or directed and includes preparing pavement surface; providing and applying proper adhesive; removing existing markers where required; removing and replacing unaccepted markers; and all other materials, labor, equipment, tools, supplies, and incidentals to fulfill the requirements of the pay item in accordance with the Plans, the Specifications, and other terms of the Contract.

Item No. 7141112, C7141112 –15” R.C. PIPE CUL- CLASS III

Item No. 7141113, C7141112 –18” R.C. PIPE CUL- CLASS III

Item No. 7141114 –24” R.C. PIPE CUL - CLASS III

Item No. 7141118 –48” R.C. PIPE CUL- CLASS III

- .01 DESCRIPTION:** This work shall consist of placing 15”, 18”, 24” or 30” Reinforced Concrete Pipe on a firm bed to the specified line and grade as shown on the construction plans or directed by the Engineer.
- .02 MATERIALS:** Backfill shall comply with all applicable specifications of the most current SCDOT Standard Specifications for the Highway Construction Section 719.4.8 unless otherwise instructed by the Engineer. Concrete Mix shall comply with all applicable specifications of the most current SCDOT Standard Specifications for Highway Construction Section 700 unless otherwise instructed by the Engineer. RC Pipe shall meet all SCDOT requirements.
- .03 EQUIPMENT:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 700 in its entirety.
- .04 CONSTRUCTION:**
- A. Excavation: When a pipe is to be laid on existing ground on or under fill, embankment shall be constructed to a height of at least 9in but not more than 3 feet above the proposed top of the pipe. The width of the trench shall be sufficient to permit thorough compaction of the backfill under the haunches and around the pipe. This width shall be twice the outside diameter of the pipe or the outside diameter plus 18 in. on each side, whichever is less.
 - B. Bedding: When rock is encountered, it shall be removed and replaced with a minimum of 8 in. of selected backfill as directed by the Engineer. When unsuitable foundation material is encountered, it shall be removed and replaced with selected backfill for the full width of the trench as directed by the Engineer.
 - C. Installation: Pipes shall be laid with hubs upgrate. A single lay hole through the shell of the pipe will be permitted with an approved lifting device. The lay hole shall be cast in the pipe during fabrication or cored without damaging any reinforcement. After installation, the lay hole shall be permanently sealed by filling with mortar, rubber plug, to other means approved by the Engineer. Wood plugs are prohibited.
 - D. Joints: Joints shall be sealed with rubber type gaskets (circular pipe) or resilient type material (elliptical pipe) conforming to SCDOT Specification, Mortar joints are prohibited.
 - E. Pipe Encasement: When specified in the Contract Documents or when directed by the Engineer, pipes shall be encased using Concrete as directed by the Engineer.
 - F. Backfill: Earth for backfill shall be free from large lumps, clods, and rocks and shall be placed along the side of the pipe for the full width of the trench in layers not exceeding 6 in. uncompacted depth. Compaction shall conform to SCDOT standards. Each layer shall be compacted simultaneously on both sides of the pipe by means of an approved mechanical tamper. Special care shall be taken to compact the backfill thoroughly under the haunches of the pipe. This method of filling and compaction shall continue until the backfill is completed to a minimum height of 9 in. above the top of the pipe. The contractor shall protect all from damage due to construction equipment or other vehicular traffic passing over the pipe. Backfill may be placed immediately after laying the pipe, provided that all joints have been sealed as specified.
 - G. Removal of Existing Pipe Culverts: When specified by the Engineer, existing pipe culverts shall be removed and become property of the contractor. Backfilling of the trenches resulting from pipe removal shall comply with SCDOT Specifications.

H. Abandoned Pipes: When specified by the Engineer, abandoned pipes shall be plugged using flowable fill or other SCDOT approved concrete mixes as directed by the Engineer.

- .05 **MEASUREMENT AND PAYMENT:** 15”, 18”, 24” or 30” Reinforced Concrete Pipe will be measured and paid at the Contract Unit Price Bid of Lineal Foot. Payment will be full compensation for all applicable excavation, sheeting, shoring, dewatering, hauling, invert paving, storing, rehandling of material, removal and disposal of excess and unsuitable material, tamped fill, forming pipe bed or foundation, backfill compaction, and for all material, labor, equipment, and survey, tools, and incidentals necessary to complete the work. New pipe culverts will be measured complete in place and paid for at the contract unit price per lineal foot. When a new pipe is to be installed, the cost of removal and disposal of the existing pipe, including end walls and end sections, will not be measured but the cost will be incidental to the contract price of the new pipe.
- .06 **CONSTRUCTION INSPECTION:** Visually inspect 100% of pipe for fractures, cracks, spalling, chips, and breaks during all phases of the installation process. Inspect joints, including tongues and grooves. Chipped pipe ends that prevent the full bond between joint sealant/gasket and both pipes may only be installed in drainage structures at the ends of the pipe runs where they will be grouted over. Inspect joints for missing, damaged, or improperly installed joint sealant or gasket. Verify line and grade in accordance with the frequencies detailed in the Construction Manual.

When improper installation or damage is noted during the construction inspection of the pipe, repairs must be made to the satisfaction of the Engineer. Additional inspections may be performed in accordance with these specifications.

Item No. 7191205 –CATCH BASIN- TYPE 9

Item No. 7191208 –CATCH BASIN- TYPE 9 W/STANDARD 3’ X 6’ BOX

Item No. 7196000 –EXTRA DEPTH OF BOX

Item No. 7192105 –MANHOLE

- .01 **DESCRIPTION:** This section contains specifications for the materials, equipment, construction, measurement, and payment for the construction or adjustment to grade of catch basins, drop inlets, manholes, junction boxes, and spring boxes at the location shown on the Plans or as directed by the RCE, in accordance with these specifications, and in conformity with the lines and grades shown on the Plans or established by the RCE.
- .02 **MATERIALS:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 719.2 in its entirety.
- .03 **EQUIPMENT:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 719.3 in its entirety.
- .04 **CONSTRUCTION:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 719.4 in its entirety.
- .05 **MEASUREMENT AND PAYMENT:** When the depth of a catch basin, drop inlet, manhole, junction box, or spring box is greater than 6 feet, the quantity for the pay item Extra Depth of Box is the depth of excavation for the drainage structure in excess of 6 feet and is measured by the linear foot (LF), complete, and accepted. The depth of the drainage structure is measured from the top of manhole cover, concrete masonry, hood, or grate and, in the case of drop inlets, from the top of the bottom slab. The quantity for precast drainage structure components is measured by

the linear foot (LF) or each (EA) unit in place, complete and accepted and includes all frames, covers, gratings, and fittings necessary to complete the unit. Extra Depth of Box is not measured for precast drainage structures. The lay length of a precast transition section is not included in the measurement for the precast concrete drainage structure to which it is connected. The excavation required for the installation of drainage structures includes the removal of all obstructions and the removal and replacement of unstable materials as necessary for a proper foundation, but such excavation is not measured nor paid for as a separate item. The cost of excavation is included in the contract unit bid price for the associated drainage structure. Payment for the accepted quantity for a new or adjusted drainage structures, measured in accordance with **Subsection 719.5**, is determined using the contract unit bid price for such items as Catch Basin. Payment is full compensation for constructing drainage structures as specified or directed and includes furnishing and placing precast and cast-in place drainage structure; furnishing and placing reinforcing steel, bricks, blocks, and mortar for masonry structures; providing inlet and outlet openings and joint sealant; excavating (6 foot maximum depth); providing and placing bedding material and backfilling; disposing of surplus material; and all other materials, labor, equipment, tools, supplies, transportation, and incidentals necessary to fulfill the requirements of the pay item in accordance with the Plans, the Specifications, and other terms of the Contract. Payment for the accepted quantity of Extra Depth of Box, measured in accordance with **Subsection 719.5**, is determined using the contract unit bid price for the pay item. Payment is full compensation for excavating for drainage structures beyond the 6 feet included in the structure pay item as specified or directed and includes backfilling and all other materials, labor, equipment, tools, supplies, transportation, and incidentals necessary to fulfill the requirements of the pay item in accordance with the Plans, the Specifications, and other terms of the Contract. Extra Depth of Box is not applicable to precast drainage structures.

Item No. 720.1 – CONCRETE KEY

- .01 DESCRIPTION:** This work shall consist of all labor, supervision, material, equipment and services necessary and incidental for installing a concrete key.
- .02 MATERIALS:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 720.2 in its entirety.
- .03 EQUIPMENT:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 720.3 in its entirety.
- .04 CONSTRUCTION:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 720.4 in its entirety and the following:
 - A. The dimensions shall be a minimum of one foot in depth and one foot in width unless otherwise approved by the Engineer. Length will be determined by the plans or as directed by the Engineer.
 - B. A temporary plate shall be used to allow traffic to cross during the curing time for the concrete.
- .05 MEASUREMENT AND PAYMENT:** Concrete Key will be measured and paid for at the Contract unit price bid per lineal foot. The payment will be full compensation for all material, labor, equipment, tools, and incidentals necessary to complete the work.

Item No. 8041010 –RIP RAP (CLASS A)

Item No. 8048205 –GEOTEXTILE FOR EROSION CONTROL UNDER RIP RAP (CLASS 2) TYPE B

- .01 DESCRIPTION:** This work shall consist of installing Rip Rap and Geotextile fabric for erosion control at the pipe outlet protection as depicted on the construction plans or as directed by the Engineer. Contractor must ensure that all drainage is properly tied into the new Rip Rap as shown on the construction plans or as directed by the Engineer. The contractor must comply with all state and local regulations.
- .02 MATERIALS:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 800 in its entirety.
- .03 EQUIPMENT:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 800 in its entirety.
- .04 CONSTRUCTION:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 800 in its entirety.
- .05 MEASUREMENT AND PAYMENT:** Rip Rap will be paid for at the Contract Unit Price Bid per Ton. The payment will be full compensation for all construction materials, disposal of construction debris, labor, equipment, tools, sediment tubes, materials needed for inlet protection and incidentals necessary to complete the work to the specifications of the Engineer.

Geotextile for Erosion Control under Rip Rap (Class 2) Type 2 will be paid for at the Contract unit price bid per square yard. The payment will be full compensation for all construction materials disposal of construction debris, labor, equipment, tools, sediment tubes, materials needed for inlet protection and incidentals necessary to complete the work to the specifications of the Engineer.

Item No 8080000–MOVING ITEMS

- .01 DESCRIPTION:** This work shall consist of all labor, supervision, material, equipment and the services necessary and incidental for movement of items within the easement limits of the project that are required to be moved in order that the project can be constructed as per plan. Potential moving items have been listed on sheet 31 of the plans, this is only a partial list. The contractor is to determine the full extent of the moving items and price accordingly. It is the contractor's responsibility to ensure all items are moved in accordance with the contract specification and/or the direction of the Engineer.
- .02 MATERIALS:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 808.2 in its entirety.
- .03 EQUIPMENT:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 810.3 in its entirety.
- .04 CONSTRUCTION:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 810.4 in its entirety.
- .05 MEASUREMENT AND PAYMENT:** Moving Items will not be measured for payment but will be paid for at the Contract Unit Price Bid per Lump Sum. The payment will be full compensation for all materials, labor, equipment, tools, supplies and transportation, and incidentals necessary to

fulfill the requirements of the pay item in accordance with the Plans, the Specifications, and other terms of the Contract.

Item No. 810001 –PERMANENT VEGETATION

Item No. 8103100 –TEMPORARY VEGETATION

- .01 DESCRIPTION:** This work shall consist of all labor, supervision, material, equipment and services necessary and incidental for permanent and temporary vegetation. This item shall be used in shall be used in locations and to the limits as marked on the construction plans or as directed by the Engineer.
- .02 MATERIALS:** Use seed and fertilizer mixture as specified under seeding schedule on sheet 25 of the construction plans or as directed by the Engineer. Also refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 810.2 in its entirety.
- .03 EQUIPMENT:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 810.3 in its entirety.
- .04 CONSTRUCTION:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 810.4 in its entirety.
- .05 MEASUREMENT AND PAYMENT:** Permanent Vegetation will be measured and paid for at the Contract unit price per MSY (thousand square yards). The payment will be full compensation for all material, labor, equipment, tools, grading, composting, watering, testing, and incidentals necessary to complete the work. Seeding done outside the designated area will not be paid for. All maintenance of newly seeded areas will be responsibility of the contractor until final acceptance by the Owner. There will be no separate payment for mowing, fertilizing or any other maintenance required.

Temporary Vegetation will be measured and paid for at the Contract unit price per MSY. The payment will be full compensation for all material, labor, equipment, tools, grading, composting, testing, watering, and incidentals necessary to complete the work. Seeding done outside the designated area will not be paid for. All maintenance of newly seeded areas will be the responsibility of the Contractor until final acceptance by Owner. There will be no separate payment for mowing, fertilizing or any other maintenance required.

Item No 8101100 –ORGANIC TOPSOIL

- .01 DESCRIPTION:** This work shall consist of all labor, supervision, material, equipment and the services necessary and incidental for placement of 2 inches of Organic Topsoil as detailed on sheet 3 of the construction plans.
- .02 MATERIALS:** Organic Topsoil must meet all requirements set forth in SCDOT's soil classifications. Also refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 810 in its entirety.
- .03 EQUIPMENT:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 810 in its entirety.
- .04 CONSTRUCTION:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 810.4.6 in its entirety.

- .05 MEASUREMENT AND PAYMENT:** Payment for Organic Topsoil will be paid in SY and is full compensation for furnishing and placing organic topsoil as specified or directed and includes all other materials, labor, equipment, tools, supplies and transportation, and incidentals necessary to fulfill the requirements of the pay item in accordance with the Plans, the Specifications, and other terms of the Contract.

Item No C8151110 – EROSION CONTROL MATTING

- .01 DESCRIPTION:** This section contains specifications for the materials, equipment, construction, measurement, and payment for the placement of temporary erosion control measures to prevent erosion and water pollution through the use of best management practices including the use of berms, silt basins, silt ditches, sediment dams, fiber roving, rolled erosion control products, silt fences, floating turbidity barriers, brush barriers, sediment tubes, inlet filters, bonded fiber matrix, flexible growth matrix, temporary flexible pipe slope drains, temporary seeding, and stabilized construction entrances in conformity with the Plans the Specifications, *SCDOT Standard Drawings*.
- .02 MATERIALS:** Refer to all applicable aspects of the SCDOT 2007 Standard Specifications for Highway Construction Section 815.2 or as directed by the Engineer.
- .03 EQUIPMENT:** Refer to all applicable aspects of the SCDOT 2007 Standard Specifications for Highway Construction Section 815.3 in its entirety.
- .04 CONSTRUCTION:** Refer to all applicable aspects of the SCDOT 2007 Standard Specifications for Highway Construction Section 815.4 in its entirety.
- .05 MEASUREMENT AND PAYMENT:** Erosion Control Matting will be measured and paid for at the Contract unit price per MSY. The payment will be full compensation for all material, labor, equipment, tools, grading, materials, compacting, testing, maintenance and incidentals necessary to complete the work.

Item No 8153000 –SILT FENCE

Item No 8152006 –INLET STRUCTURE FILTER-TYPE F (NON WEIGHTED)

- .01 DESCRIPTION:** Installation and maintenance of Silt Fence and inlet filters as specified in the construction plans or as directed by the Engineer. Also refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 815.1 or as directed by the Engineer.
- .02 MATERIALS:** Refer to all applicable aspects of the SCDOT 2007 Standard Specifications for Highway Construction Section 815.2 or as directed by the Engineer.
- .03 EQUIPMENT:** Refer to all applicable aspects of the SCDOT 2007 Standard Specifications for Highway Construction Section 815.3 in its entirety.
- .04 CONSTRUCTION:** Refer to all applicable aspects of the SCDOT 2007 Standard Specifications for Highway Construction Section 815.4 in its entirety.
- .05 MEASUREMENT AND PAYMENT:** Silt Fence will be measured and paid for at the Contract unit price per lineal foot. Inlet Structure Filter will be measured and paid for at the Contract unit price per EA. The payment will be full compensation for all material, labor, equipment, tools, grading, materials, compacting, testing, maintenance and incidentals necessary to complete the work.

Item No 8156100 – ROCK CHECK DAM

- .01 DESCRIPTION:** Installation and maintenance of Rock Check Dam as specified in the construction plans.
- .02 MATERIALS:** As detailed in the construction plans, the Rock Check Dam will consist of a layer fabric, Rip Rap Class A, and #5 aggregate to filter finer sediment..
- .03 EQUIPMENT:** Refer to all applicable aspects of the SCDOT 2007 Standard Specifications for Highway Construction Section 815.3 in its entirety.
- .04 CONSTRUCTION:** Refer to all applicable aspects of the SCDOT 2007 Standard Specifications for Highway Construction Section 815.4 in its entirety and the construction plans.
- .05 MEASUREMENT AND PAYMENT:** Rock Check Dams will be measured and paid for at the Contract unit price per Ton. Measurement will consist of the in place tonnage of Rip Rap (Class A) with the geotextile fabric and #5 aggregate considered incidental to that tonnage. The payment will be full compensation for all material, labor, equipment, tools, grading, materials, compacting, testing, maintenance and incidentals necessary to complete the work.

Item No C8156490 –STABILIZED CONSTRUCTION ENTRANCE

- .01 DESCRIPTION:** This work shall consist of installing a new Stabilized Construction Entrance as directed by the Engineer or as shown on the plans. All notes to the tracking of mud and damage outside of the construction area shown on the construction plans will be enforced. Gravel construction exits must conform to all applicable SCDOT specifications and details as shown on the plans. The Contractor must remove mud and/or debris from the road and gravel construction exits daily or as requested by the Engineer.
- .02 MATERIALS:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 815.2 in its entirety.
- .03 EQUIPMENT:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 815.3 in its entirety.
- .04 CONSTRUCTION:** Refer to the SCDOT 2007 Standard Specifications for Highway Construction Section 815.4 in its entirety.
- .05 MEASUREMENT AND PAYMENT:** Payment for Stabilized Construction Entrance is full compensation for constructing stabilized construction entrances as specified or directed and includes furnishing, installing, inspecting, maintaining, reshaping, removing, and disposing of the stabilized construction entrance (and exit); providing wash-down facilities, drainage, and geotextile under the aggregate; sweeping adjacent roadway as necessary or directed; and all other materials, labor, equipment, tools, supplies, transportation, and incidentals necessary to fulfill the requirements of the pay item in accordance with the Plans, the Specifications, and other terms of the Contract.

Item No. 815 – EROSION CONTROL MAINTENANCE

- .01 DESCRIPTION:** The work shall consist of the installation, replacement and/or repair of any and all erosion control best management practices that the contractor deems necessary to prevent any

and all sedimentation from leaving the site throughout the duration of the project. This project will be subject to the inspection requirements of the Lexington County NPDES permit.

.02 MATERIALS: None specified.

.03 EQUIPMENT: None specified.

.04 CONSTRUCTION: Properly maintain all erosion control items.

.05 MEASUREMENT AND PAYMENT: Erosion Control Maintenance will not be measured for payment, but will be paid as a lump sum distributed evenly throughout the project. The percentage of this item paid will be determined by the percent completion of the project. Failure to maintain BMPs or comply with the NPDES permit may result in reduced payment.

SECTION 01700 - CONTRACT CLOSEOUT

AFFIDAVIT OF PAYMENT

To All Whom It May Concern:

WHEREAS, the undersigned has been employed by *The County of Lexington* to furnish labor and materials for **surface treatment of D.E. Clark Road** and associated work, under a contract described as **B15012-09/24/14S** for the improvement of property described as **D.E. Clark Road Improvements** located in the County of Lexington, State of *South Carolina* of which the government of *Lexington, South Carolina*, located at 212 S. Lake Dr Lexington, *South Carolina, 29072* is the Owner,

NOW, THEREFORE, this _____ ***day of*** _____ ***2014***

The undersigned, as the Contractor for the above named Contract pursuant to the Conditions of the Contract hereby certified that, except as listed below, has paid in full or has otherwise satisfied all obligations for all materials and equipment furnished, for all work, labor, and services performed, and for all known indebtedness and claims against the Contractor for damages arising in any manner in connection with the performance of the Contract referenced above for which the Owner or its property might in any way be held responsible.

EXCEPTIONS:(If none, write "None". The Contractor shall furnish a bond satisfactory to the Owner for each exception.)

ATTACHMENTS:

- 1. Consent of Surety to Final Payment. (Whenever Surety is involved, Consent of Surety is required.)
- 2. Contractor's Release or Waiver of Liens, conditional upon receipt of final payment.
- 3. Separate Releases or Waivers of Liens from Subcontractors and material and equipment suppliers.
- 4. Contractors Affidavit of Release of Liens.

(SEAL)

partnership)

CONTRACTOR (Name of sole ownership, corporation or

(Printed name of Agent / authorized representative)

(Signature of Agent / authorized representative)

(SEAL)

(Affix corporate seal here)

TITLE _____

AFFIDAVIT OF RELEASE OF LIEN

To All Whom It May Concern:

WHEREAS, the undersigned has been employed by *The County of Lexington* to furnish labor and materials for **surface treatment of D. E. Clark Road** and associated work, under a contract described as **B15012-09/24/14S** for the improvement of property described as **D. E. Clark Road Improvements** located in the County of Lexington, State of *South Carolina* of which the government of *Lexington, South Carolina*, located at 212 S. Lake Dr Lexington, *South Carolina, 29072* is the Owner,

NOW, THEREFORE, this _____ ***day of*** _____ ***2014***

The undersigned, as the Contractor for the above-named Contract pursuant to the Conditions of the Contract hereby certifies that to the best of his/her knowledge, information and belief, except as listed below, the Releases or Waivers of Lien attached hereto include the Contractor, all Subcontractors, all suppliers of materials and equipment, and all performers of Work, labor or services, who have or may have liens against any property of the Owner arising in any manner out of the performance of the Contract referenced above.

EXCEPTIONS: (If none, write "None". The Contractor shall furnish a bond satisfactory to the Owner for each exception.)

ATTACHMENTS:

- 1. Contractor's Release or Waiver of Liens, conditional upon receipt of final payment.
- 2. Separate Releases or Waivers of Liens from Subcontractors and material and equipment suppliers.

(SEAL)

partnership)

CONTRACTOR (Name of sole ownership, corporation or

(Printed name of Agent / authorized representative)

(Signature of Agent / authorized representative)

(SEAL) (Affix corporate seal here)

TITLE _____

FINAL WAIVER OF LIEN

To All Whom It May Concern:

WHEREAS, the undersigned has been employed by *The County of Lexington* to furnish labor and materials for **surface treatment of D. E. Clark Road** and associated work, under a contract described as **B15012-09/24/14S** for the improvement of property described as **D. E. Clark Road Improvements** located in the County of Lexington, State of *South Carolina* of which the government of *Lexington, South Carolina*, located at 212 S. Lake Dr. Lexington, *South Carolina, 29072* is the Owner,

NOW, THEREFORE, this _____ ***day of*** _____ ***2014***

for and in consideration of the sum of (\$) _____ Dollars paid simultaneously herewith, the receipt whereof is hereby acknowledged by the undersigned, the undersigned does hereby waive and release any lien rights to, or claim of lien with respect to and on said above-described premises, and the improvements thereon, and on the monies or other considerations due to become due from the owner, on account of labor, services, material, fixtures, apparatus of machinery heretofore or which may hereafter be furnished by the undersigned to or for the above-described premises by virtue of said contract.

(SEAL)

partnership)

CONTRACTOR (Name of sole ownership, corporation or

(Printed name of Agent / authorized representative)

(Signature of Agent / authorized representative)

(SEAL)

(Affix corporate seal here)

TITLE _____

INSTRUCTIONS FOR FINAL WAIVER

- a) Fill in nature and extent of work; strike the word labor or the word materials if not in your contract.
- b) Amount shown should be the amount actually received and equal to total amount of contract as adjusted.
- c) If waiver is for a corporation, corporate name should be used, corporate seal affixed and title of officer signing waiver should be set forth; if waiver is for a partnership, the partnership name should be used, partner should sign and designate himself as partner.

CONTRACTOR WARRANTY FORM

PROJECT: D. E. Clark Road Improvements

LOCATION: Lexington, South Carolina

OWNER: County of Lexington

Contractor (Company Name) _____ for the above-referenced project, do hereby warrant all labor and materials furnished and work performed are in accordance with the Contract Documents and authorized modifications thereto, and will be free from defects due to defective materials or workmanship for a period of two (2) years from Date of Completion. This warranty commences on _____ and expires on _____.

This warranty covers that portion of the project described below:

Should any defect develop during the warranty period due to improper materials, workmanship or arrangement, the defect shall, upon written notice by the Owner, be made good by the Undersigned at no expense to the Owner.

Nothing in the above shall be deemed to apply to work, which has been abused or neglected by the Owner.

DATE _____

(SEAL) _____
CONTRACTOR (Name of sole ownership, corporation or partnership)

(Printed name of Agent / authorized representative)

(Signature of Agent / authorized representative)

(SEAL) _____
(Affix corporate seal here) TITLE _____

CONSENT OF SURETY For Final Payment

Project Name: **D. E. Clark Road Improvements**

Location: Lexington County

Project No. B15012-09/24/14S

Type of Contract _____

Amount of Contract _____

In accordance with the provisions of the above-named contact between the Owner and the Contractor, the following named surety:

On the Payment Bond of the following named Contractor:

hereby approves of final payment to the Contractor, and further agrees that said final payment to the Contractor shall not relieve the Surety Company named herein of any of its obligations to the following named Owner: as set forth in said Surety company's bond:

IN WITNESS WHEREOF, the Surety Company has hereunto set its hand and seal this ____ day of _____

(SEAL) _____

NAME of SURETY COMPANY

(Printed name of Agent / authorized representative)

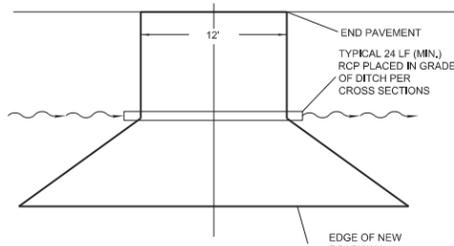
(Signature of Agent / authorized representative)

(SEAL) (Affix corporate seal here) TITLE _____

IF SIGNED BY ATTORNEY-IN-FACT, POWER OF ATTORNEY IS REQUIRED

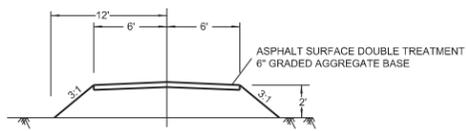
TYPICAL SECTION OF IMPROVEMENT LEXINGTON COUNTY

STATE	COUNTY	ROAD/ROUTE NO.	SHEET NO.
SC	LEXINGTON	D.E. CLARK ROAD	3

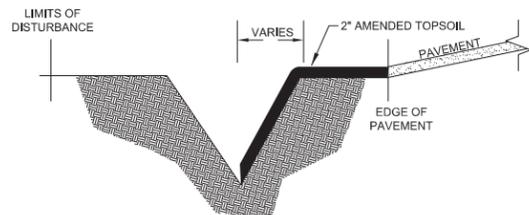


NOTES:

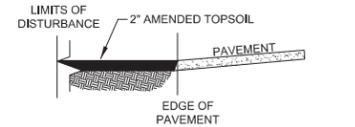
1. DETAIL REPRESENTS TYPICAL EXISTING DIRT DRIVEWAY TO BE TIED INTO NEW ROADWAY.
2. USE THIS DRIVEWAY DETAIL UNLESS OTHERWISE DESCRIBED ON PLANS.
3. MAXIMUM SLOPE ON ALL DRIVEWAYS SHALL BE 6% AND TRAVERSABLE.
4. ACCESS SHALL BE MAINTAINED TO ALL RESIDENTIAL AND COMMERCIAL PROPERTY DURING CONSTRUCTION.
5. ALL DRIVEWAY PIPES SHALL HAVE A MINIMUM OF 6" COVER FROM THE TOP OF THE PIPE TO FINISH PAVEMENT GRADE.



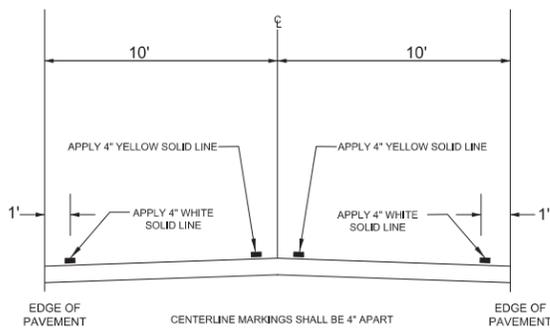
TYPICAL DRIVEWAY DETAIL
NOT TO SCALE



ORGANIC TOPSOIL DITCH DETAIL
NOT TO SCALE



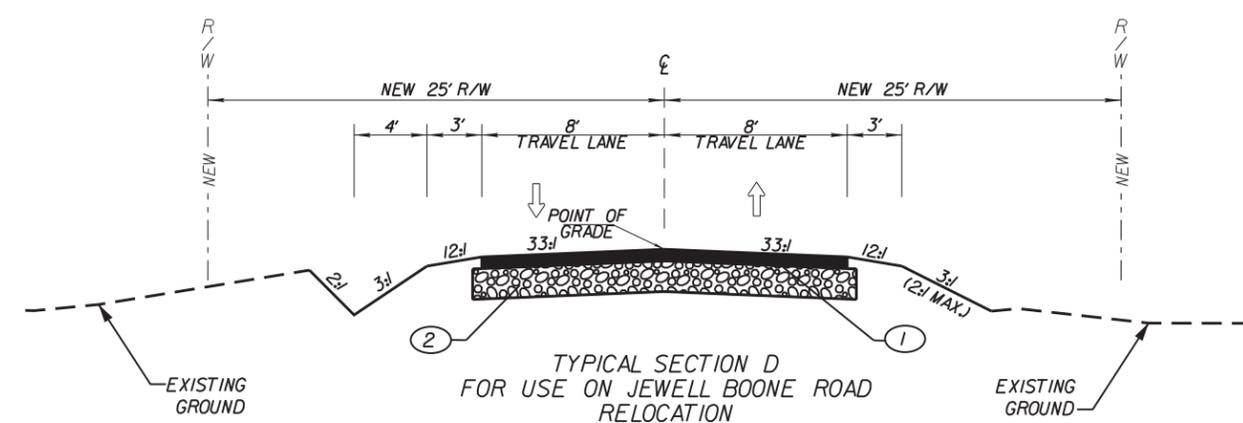
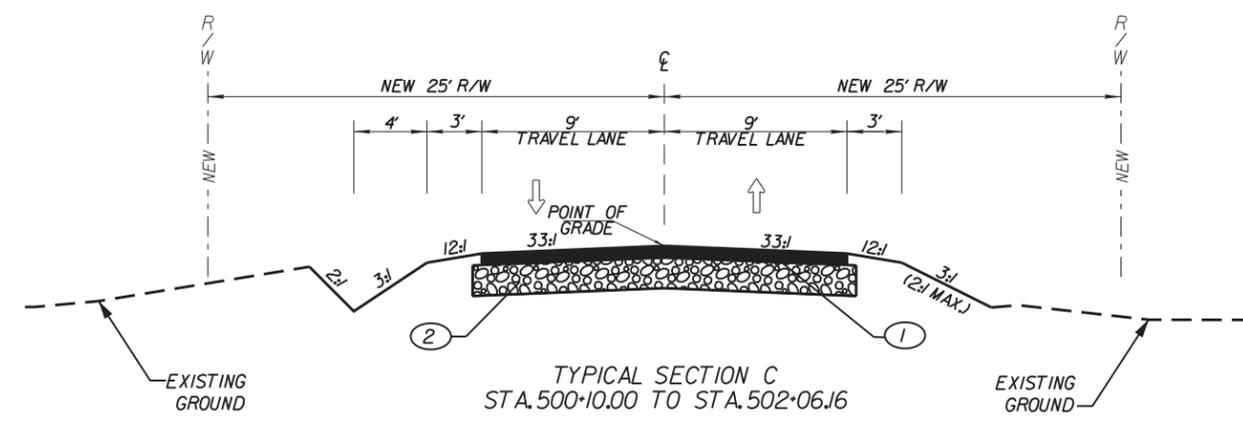
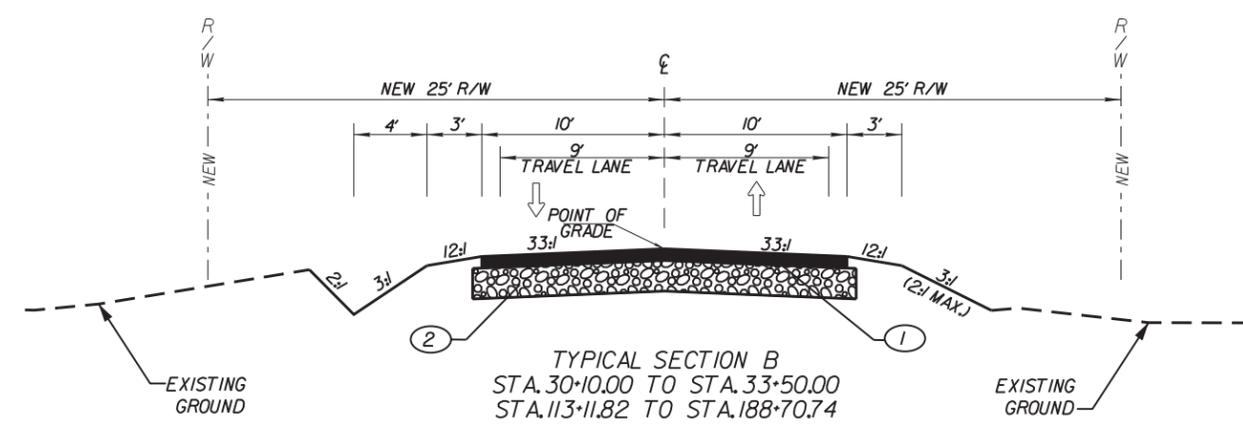
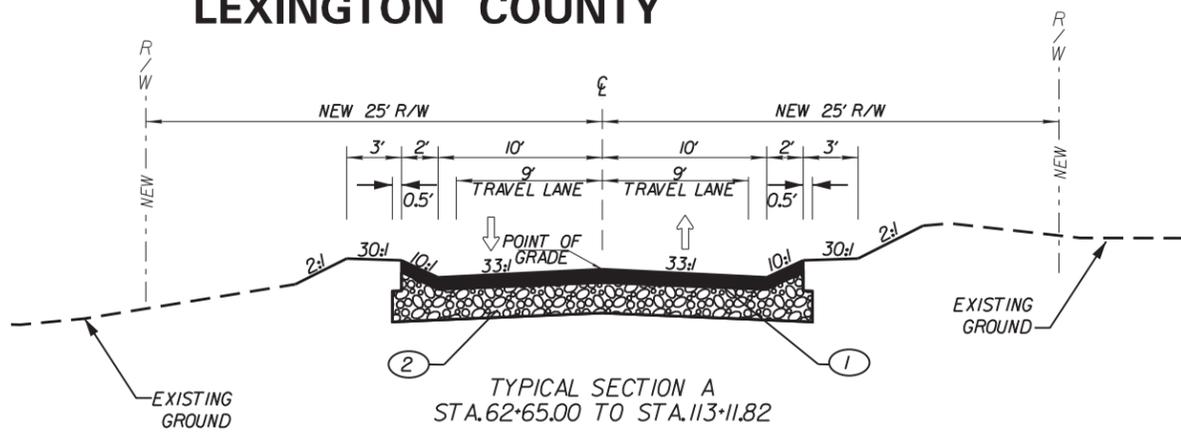
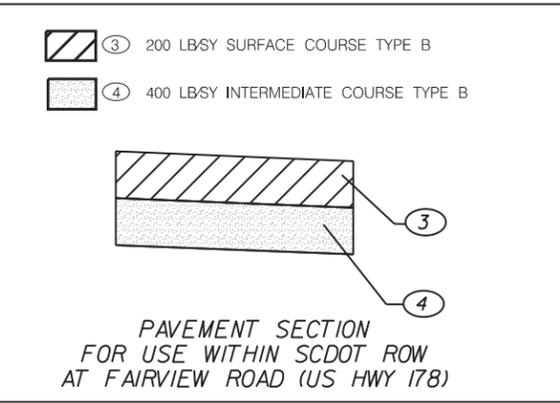
ORGANIC TOPSOIL SHOULDER AREA DETAIL
NOT TO SCALE



PAVEMENT MARKINGS
STA. 62+65.00 TO 188+70.74

LEGEND

- ① HOT MIX ASPHALT SURFACE COURSE TYPE B (220 LBSY)
- ② GABC (6")/ALTERNATE 1 - SAND-CLAY (8")



Mead & Hunt
PLANTATION FINANCIAL CENTER
1012 38TH AVENUE NORTH, SUITE 301
MYRTLE BEACH, SC 29577
TELEPHONE: (843) 996-2800

JOB NO.	DATE: 03-18-2014	DRAWN BY: CAB	CHECKED BY: JBS	SCALE: NTS
D.E. CLARK ROAD				
LEXINGTON COUNTY, SOUTH CAROLINA				
TYPICAL SECTION SHEET				
DATE	9-11-14			
REVISION	REMOVED TYPICAL SECTION SURFACE			
SHEET 3				