



TOWN OF RIDGELAND CROSSWALK PROJECT

TOWN OF RIDGELAND

REQUEST FOR BIDS RFP-2022-02

Sealed Bids for the construction of a crosswalk will be received by the Town of Ridgeland at the Ridgeland Town Hall until **2:00 PM EST on Friday, August 12, 2022** at which time the bids received will be publicly opened and read.

Bids will be received for a single prime contract. Bids shall be on a unit price basis as indicated in the Schedule of Bid Prices.

Mail Bid Response to:

Town of Ridgeland
ATTN: Dennis E. Averkin, Town Administrator
P.O. Box 1119
Ridgeland, SC 29936

Hand Deliver Bid Response to:

Town of Ridgeland
ATTN: Dennis E. Averkin, Town Administrator
One Town Square
Ridgeland, SC 29936

Any bids delivered after the above time will not be accepted under any circumstances and submission of no bid is considered a bid. Any uncertainty regarding the time a bid is delivered will be resolved against the Bidder.

Bid opening will take place at the Town of Ridgeland municipal offices at the address given below:

Town of Ridgeland
One Town Square
Ridgeland, South Carolina 29936

The Town's point of contact for this project is Dennis E. Averkin, Town Administrator, who can be reached at (843) 726-7500 or by email at daverkin@ridgelandsc.gov.

Construction Contract Documents, including Bid Documents with Special Provisions and Supplemental Technical Specifications and Plans may be viewed electronically and downloaded in Adobe Acrobat PDF from the Town of Ridgeland website, <https://www.ridgelandsc.gov/bid-opportunities>.

Bidding information also may be examined online at *South Carolina Business Opportunities*; and the office of the Town of Ridgeland Monday – Friday between the hours of 9AM-4PM Monday-Friday.

A hard copy of the Construction Contract Documents may be requested from the Engineer of Record, J. Bragg Consulting, Inc. with payment of \$50.00, including shipping via overnight express services. Contact Jennifer Bragg, J. Bragg Consulting, Inc., 18 Daffodil Farm Way, Bluffton, SC 29910; by email at jbragg@jbraggconsulting.com; or phone 803-513-3777.

Questions or concerns related to the bid documents must be written and sent by email to Dennis E. Averkin, Town Administrator, at daverkin@ridgelandsc.gov. The last day to submit questions is Sunday, August 7, 2022.

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 the Town of Ridgeland website, <https://www.ridgelandsc.gov/bid-opportunities>, 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 do 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 post on the Town of Ridgeland website, <https://www.ridgelandsc.gov/bid-opportunities>, of the revised Bid Opening Date.

Description of Work

The project consists of installing a single raised decorative crosswalk on SC 336 (W. Main Street) at the United States Post Office, located between S-66 (Floyd Street) and S-67 (Perry Street). The project includes new signage, pavement markings, and raised asphalt crosswalk with brick imprint.

A pre-bid conference will not be held for this project.

Each bid must be accompanied by Bid security made payable to Town of Ridgeland (Owner) in an amount of five percent (5%) of Bidder's maximum Bid price and in the form of a certified or bank check or a Bid Bond issued by a surety authorized to write bonds of such character and amount under the laws of South Carolina and meeting the requirements of the General Conditions. The owner reserves the right to waive any irregularities or to reject any or all bids.

The successful Bidder will be required to furnish to the Owner a Payment Bond and a Performance Bond, each in the amount of one hundred percent (100-percent) of the Contract Price.

Each Bidder must be qualified under the provisions of the most current State of South Carolina Contractor's Licensing Law Code. No bid will be considered unless the bidder is legally qualified under the provisions of the South Carolina Contractor's Licensing Law.

No bidder may withdraw his bid within **sixty (60) days** after the actual date of the opening thereof.

I. SUBMITTAL REQUIREMENTS

The selected contractor must be a qualified asphalt contractor with the necessary breadth of knowledge, experience, and resources to undertake the project. The bid submittal shall include:

1. Bid Proposal form - see page 30
2. Schedule of Bid Prices – see page 32

A Schedule of Bid Prices excel spreadsheet is provided for the contractor's use and may be downloaded from the Town of Ridgeland's website, <https://www.ridgelandsc.gov/bid-opportunities>. It is the contractor's responsibility to verify the unit price, amount, and total in the excel spreadsheet, or the contractor may complete the Schedule of Bid Prices included in this document.

3. Bid Security or a Bid Bond (form included) – see page 33

II. GENERAL CONTRACTUAL REQUIREMENTS

1. **Abandonment or Delay:** If the work to be performed under this contract shall be abandoned or delayed by the Contractor, or if at any time the Town shall believe and so certify in writing that work has been abandoned or delayed by the Contractor, the Town may annul the contract or any part thereof if the Contractor fails to resolve the matter within thirty (30) days of written notice.

2. **Responsibility:** The Contractor shall at all times observe and comply with all Federal, South Carolina and Municipal laws, ordinances, rules and regulations in any manner affecting the contract.

3. **Default:** In case of default by the Contractor, the Town reserves the right to purchase any or all items in default in the open market, charging the Contractor with any excessive costs. Should such charge be assessed, no subsequent solicitation response of the defaulting Contractor will be considered in future BIDs until the assessed charge is satisfied.

4. **Failure to Submit All Mandatory Forms and Certifications:** Failure to submit all the mandatory forms from this request shall be just cause for rejection. However, the Town of Ridgeland reserves the right, on a case-by-case basis, in its sole discretion, whether or not to reject such a bid as non-responsive.

5. **Contract Award:** This solicitation and submitted documents, when properly accepted by the Town of Ridgeland shall constitute an agreement equally binding between the successful Contractor and the Town. No oral statement of any person shall modify or otherwise change, or affect the terms, conditions or specifications stated in the resulting agreement. The Town shall not be legally bound by any amendment or interpretation that is not fully executed by both parties in writing. The successful Contractor shall be required to execute a formal agreement with the Town's Procurement Agent (Town Administrator) within ten (10) business days after issuance of Notice of Award ("NOA").

6. **Force Majeure:** The Contractor shall not be liable for any excess costs if the failure to perform the resulting agreement arises out of causes beyond the control and without fault or negligence of the Contractor; Such causes may include, but are not restricted to Acts of God or of the public enemy, acts of the Government in either its sovereign or contractual capacity, fires, floods, epidemics, quarantine restrictions, hurricanes, strikes, trade or freight embargoes and unusually severe weather; in every case the failure to perform must be beyond the control and without the fault or negligence of the Contractor. If the failure to perform is caused by the default of a Sub-Contractor, and if such default arises out of causes beyond the control of both the Contractor and the Sub-Contractor and without excess costs for failure to perform unless

the supplies and/or services to be furnished by the Sub-Contractor were obtainable from other sources in sufficient time to permit the Contractor to meet the required delivery schedule.

7. Arbitration: Under no circumstances and with no exceptions will the Town of Ridgeland act as arbitrator between the Contractor and any Sub-Contractor for this project.

8. Governing Laws: Any agreement arising from the solicitation shall be governed by the laws of the State of South Carolina and any disputes arising out of said agreement shall, if litigation is necessary, be litigated only in a Circuit Court for the Fourteenth Judicial Circuit sitting in Jasper County, South Carolina. The prevailing party shall be entitled to attorney's fees and all costs related to said litigation.

9. Assignment: The Contractor shall not assign in whole or in part any agreement resulting from this Request for Proposals without the prior, written consent of the Town of Ridgeland. The Contractor shall not assign any money due or to become due to him under the said agreement without the prior, written consent of the Town of Ridgeland.

10. Publicity Releases: Offeror agrees not to refer to award of this contract in commercial advertising in such a manner as to state or imply that the products or services provided are endorsed or preferred by the Town. The Contractor shall not have the right to include the Town's name in its published list of customers without prior approval of the Town Administrator. With regard to news releases, only the name of the Town, type and duration of any resulting agreement may be used and then only with prior approval of the Town. The Contractor also agrees not to publish, or cite in any form, any comments or quotes from the Town's staff without the express, written permission from the Town Administrator

11. Affirmative Action: The successful Contractor will take affirmative action in complying with all Federal and State requirements concerning fair employment and treatment of all employees, without regard or discrimination by reason of race, color, religion, sex, national origin or physical handicap.

12. Ownership of Material: Ownership of all data, material, and documentation originated and prepared for the Town pursuant to this contract shall belong exclusively to the Town.

13. Failure to Deliver Services In Accordance With Terms & Conditions: In case of failure to deliver goods per the contract terms and conditions, the Town of Ridgeland, after due oral or written notice, may procure substitute services from other sources and hold the Contractor responsible for any resulting additional purchasing and administrative costs. This remedy shall be in addition to any other remedies which the Town of Ridgeland may be obliged to incur.

14. Performance Bonds: Performance Bonds are required.

15. Termination of Contract: 1. Subject to the Provisions above, the contract may be terminated by the Town of Ridgeland provided a thirty (30) days advance notice in writing is given to the Contractor. a. Termination for Convenience: In the event that this contract is terminated or canceled upon request and for the convenience of the Town without the required thirty (30) days advance written notice, then the Town shall negotiate reasonable termination costs, if applicable. b. Termination for Cause: Termination by the Town for cause, default or negligence on the part of the contractor shall be excluded from the foregoing provisions; termination costs, if any, shall not apply. The thirty (30) days advance notice requirement is waived and the default provision in this request for proposals shall apply. c. The Town shall be obligated to reimburse the Contractor only for those services rendered prior to the date of notice of termination, less any liquidation damages that may be assessed for nonperformance. 2. Non-Appropriations Clause: Notwithstanding any other provisions of the contract, if the funds anticipated for the continued fulfillment of this contract are at any time not forthcoming, through the failure of the Town, State or Federal Government to appropriate funds, discontinuance or material alteration of the program under which funds were provided, the Town shall have the right to terminate the contract without penalty by giving not less than thirty (30)

days written notice documenting the lack of funding. Unless otherwise agreed to by the Town and the Contractor, the contract shall become null and void on the last day of the fiscal year for which appropriations were received.

III. Additional Information

1. Insurance:

The selected consultant(s) agrees to maintain, for the duration of the awarded contract, at its sole expense:

- a) Statutory workers' compensation insurance and employer's liability with limits of at least \$100,000 per accident.
- b) Automobile liability insurance on any owned, non-owned, or rented vehicle with limits of at least \$1,000,000 per occurrence combined single-limit.
- c) Comprehensive general liability with limits of at least \$1,000,000 per occurrence and \$1,000,000 aggregate.

The Town of Ridgeland shall be named as Certificate Holder and additional insured on the selected consultant's general liability and auto liability policies and be provided with a certificate of insurance prior to the effective date of the contract or any renewal contract. No work shall be performed until the Town receives evidence of said coverages.

2. Indemnification:

The selected consultant(s) shall indemnify, defend, and hold harmless the Town and its subsidiaries, divisions, officers, directors, and employees from all liability, loss, costs, claims, damages, expenses, attorney fees, judgments, and awards arising or claimed to have arisen, from any injury caused by, or allegedly caused by, either in whole or in part, and act or omission of the selected consultant(s) or any employee, agent, or assign of the selected consultant. This provision is not applicable to any claim arising out of or related to any active or primary negligence of or by the Town, its officers, or employees.

3. Bidders Shall be Required to Affirm their Compliance with:

- Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, and the Age Discrimination Act of 1975, as amended, prohibiting discrimination on the basis of race, color, national origin, disability or age in programs assisted by the U.S. Department of the Interior.
- Debarment Certification, 43 CFR, Part 12, Section 12.510 and state 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 Federal department or agency.
- Copeland "Anti-Kickback" Act (18 U.S.C. 874) as supplemented in Department of Labor regulations (29 CFR Part 3). This act provides that each contractor or sub-grantee shall be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he is otherwise entitled.

Owner: **Town of Ridgeland**
By: **Dennis E. Averkin, Town Administrator**
Date: **July 13, 2022**

+ + END OF ADVERTISEMENT FOR BIDS + +

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SPECIAL PROVISIONS

For the purposes of this contract, references to SCDOT and Department shall refer to Town of Ridgeland. References to “Deputy Secretary of Engineering”, “Engineer”, “Resident Construction Engineer”, “Director of Traffic Engineering”, or “Engineer’s Representative” shall refer to “Town of Ridgeland’s Administrator” or his designee.

This project is to be constructed under the South Carolina Department of Transportation’s Specifications for Highway Construction, 2007, and the following Special Provisions and Supplemental Specifications herein, and the applicable Supplemental Technical Specifications located at <https://www.scdot.org/business/road-technical-specs.aspx>

(1) ERRATA TO 2007 STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION:

See attached Supplemental Specification dated **January 1, 2017** on page **14**.

(2) DIVISION 100: STANDARD DRAWINGS:

The Bidders are hereby advised that this project shall be constructed using the Current Standard Drawings with all updates effective at the time of the letting. The Standard Drawings are available for download at http://www.scdot.org/doing/sd_Disclaimer.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 122 (College Street Entrance) of the SCDOT Headquarters Building, 955 Park Street, Columbia, South Carolina.

All references in the plans, standard specifications, supplemental specifications, supplemental technical specifications or special provisions to drawings under the previous numbering system are hereby updated to the new drawing numbers. Refer to sheets 000-205-01 through 000-205-07 to find new drawing numbers when looking for references to older drawing numbers. “Old sheet numbers” are also visible on the website when using the full set of drawings “current” search and are sortable by clicking the header over the appropriate column on the results page. Be aware that some older drawings now span over multiple pages due to detailing changes.

(3) DIVISION 100: MOST RECENT EFFECTIVE UPDATES:

The following drawings were removed, updated, or added effective with the January 2019 letting. See section 103 for imminent drawings on future lettings.

403-205-01	721-1	BRIDGE END FLUME MOVED TO 805-325-75 AND 719-920-00	REPLACED JAN 2019 BY 805-325-75, 805-325-76 AND 719-920-00
403-205-02	S 805-9B	BRIDGE END FLUME MOVED TO 805-325-75 AND 719-920-00	REPLACED JAN 2019 BY 805-325-75, 805-325-76 AND 719-920-00
403-210-00	721-1A	BRIDGE END FLUME MOVED TO 805-325-75 AND 719-920-00	REPLACED JAN 2019 BY 805-325-75, 805-325-76 AND 719-920-00
605-010-01	605-3(1)	CONSTRUCTION SIGNING - PERMANENT WORK ZONE SPEEDING - \$200 FINE PRIMARY ROUTES	JANUARY 2019 UPDATE
605-015-00	605-4	CONSTRUCTION SIGNING - PERMANENT WORK ZONE SPEEDING - \$200 FINE INTERSTATE ROUTE	JANUARY 2019 UPDATE
605-025-03	605-5(1)	CONSTRUCTION SIGNING - SPECIAL SIGNS \$5000 FINE FOR VIOLATIONS	JANUARY 2019 UPDATE
610-005-00	610-1	FLAGGING OPERATION TWO-LANE TWO-WAY PRIMARY & SECONDARY ROUTES	JANUARY 2019 UPDATE

SPECIAL PROVISIONS

610-005-20	2019UPD ATE	FLAGGING OPERATION WORK ZONE THRU STOP STOP SIGN CONTROLLED SIDE ROADS	JANUARY 2019 UPDATE
610-005-30	2019UPD ATE	FLAGGING OPERATION WORK ZONE CONTINUE THRU STOP CONTROL INTERSECT ALL APPROACH	JANUARY 2019 UPDATE
610-005-40	2019UPD ATE	FLAGGING OPERATION WORK ZONE THRU TRAF SIGNAL W/LAW ENFORCEMENT OFFICERS	JANUARY 2019 UPDATE
610-005-50	2019UPD ATE	FLAGGING OPERATION WORK ZONE CONTINUE THRU TRAF CONTROL INTERSECT W/FLAGGER	JANUARY 2019 UPDATE
610-005-60	2019UPD ATE	FLAGGING OPERATION WORK ZONE TERMINATE @ INTERSECT W/2-LANE 2-WAY ROAD DEPARTURE	JANUARY 2019 UPDATE
610-005-70	2019UPD ATE	FLAGGING OPERATION INTERSECTIONS W/TWO-LANE TWO-WAY ROADWAYS APPROACH LANE	JANUARY 2019 UPDATE
610-005-80	2019UPD ATE	FLAGGING OPERATION STOP SIGN CONTROL INTERSECTION W/LOW SPEED </=35 MPH	JANUARY 2019 UPDATE
610-005-90	2019UPD ATE	FLAGGING OPERATIONS STOP SIGN CONTROL INTERSECTION 40MPH-60MPH MULTILANE ROAD	JANUARY 2019 UPDATE
610-515-00	610-28	EXTENDED ROAD CLOSURE OF NEW ROADWAY ALIGNMENT	JANUARY 2019 UPDATE
719-115-00	REPLACE D	INSTRUCTIONS FOR DROP INLET TYPE 115 DI115 (PHASED OUT 1/2019)	USE DI125 OR 24X36 DI, DI115 PHASED OUT 1/2019
719-920-00	NEW 2019	4' SLOPE FLUME (CURB STYLE WITH CUTOFF WALLS)	NEW DELINEATOR AT LEADING END TREATMENTS OR AS SPECIFIED
805-001-01	NEW201 8	PERMANENT BARRIER GENERAL NOTES - GUARDRAIL, RIGID BARRIER, FLEXIBLE BARRIER	REVISED NOTE 10.11
805-001-02	NEW201 6	PERMANENT BARRIER GENERAL NOTES - GUARDRAIL, RIGID BARRIER, FLEXIBLE BARRIER	REVISED NOTES 50.01 & 50.02
805-090-00	NEW 2019	GUARDRAIL FABRICATION DETAILS NOTICE	NOTICE THAT FABRICATION DETAILS ARE COVERED IN STATUS FABRICATION
805-115-10	NEW 2018	SITE GRADING FOR LEADING END TREATMENT MT3 (TL3)	CORRECT SHOULDER GRADING REMOVE "24:1 LABEL", FONT
805-115-50	NEW 2018	SITE GRADING FOR LEADING END TREATMENT MT2 (TL2)	CORRECT SHOULDER GRADING REMOVE "24:1 LABEL", FONT
805-210-05	MASH UPDATE	MGS3 GUARDRAIL WITH 1 OMITTED POST (12' CLEAR SPAN)	NEW DELINEATOR AT LEADING END TREATMENTS OR AS SPECIFIED
805-325-30	805-325- 00	MTBBC3 APPROACH STIFFNESS TRANSITION TL3	CORRECTS PAY ITEMS
805-325-50	805-325- 00	MTBBC2 APPROACH STIFFNESS TRANSITION TL2	CORRECTS PAY ITEMS
805-325-70	805-325- 00	APPROACH STIFFNESS TRANSITION CURB TO FLUME FOR CB	CORRECTS FLUME LOCATION AND CURB LENGTH
805-325-75	NEW 2019	FLUME INLET AT GUARDRAIL (HANDWORK)	WORKS WITH STANDARD FLUME 719-920-00
805-325-76	NEW 2019	FLUME INLET AT GUARDRAIL (HANDWORK)	WORKS WITH STANDARD FLUME 719-920-00

SPECIAL PROVISIONS			
805-520-00	NEW 2011	GUARDRAIL POST INSTALLATION IN PARTIALLY WEATHERED ROCK (PWR)	MASH DETAIL, USES FULL LENGTH POST
805-545-00	MASH UPDATE	GUARDRAIL RELATED MULTIPLE OFFSET BLOCKS FOR MGS AND MTBBC SERIES DEVICES	NEW DELINEATOR AT LEADING END TREATMENTS OR AS SPECIFIED
805-600-00 to 705-779-99	PRE MASH	DRAWING NUMBERS RESERVED FOR PREMASH GUARDRAIL DETAILS. UPDATED DRAWINGS PENDING.	ATTACH TO EXISTING RAIL OR WHERE MASH DEVICE DOES NOT FIT
805-785-00	NEW2017	NARROW & WIDE CRASH CUSHIONS	MASH UPDATE TO CRASH CUSHIONS
805-825-00	MASH UPDATE	SHAPE TRANSITION THRIE-BEAM TO SINGLE SLOPE	REVISED END BEVELS AND MASH GUARDRAIL GEOMETRY

(4) DIVISION 100: STANDARD DRAWING ERRATA:

The Bidders are hereby advised that the following note changes apply to the published Standard Drawings.

On sheet **000-205-05**, add the following information under the columns below:

OLD DRAWING NAME	NEW DRAWING NAME
720-905-01 to 720-905-05	720-901-01 to 720-993-32

On sheet **605-005-05 (ver 1-1-2013)**, replace entire text of General Note #4 with the following text:

4. The square footage of sign panels attached to 2½" x 2½" 12 gauge sign support secured to a 3" x 3" 7 gauge breakaway anchor shall not exceed 20 square feet.

On sheet **610-005-00 (ver 5-1-18)** added the following definition to Note 1 of Flagging Operations section:

SIDE ROAD FLAGGER – This flagger is stationed on an intersecting side road and controls the side road traffic entering into the roadway where the work activity area is located.

On sheet **610-005-20 (ver 5-1-18)** added Note 5:

5. When the work proceeds through a "STOP sign-controlled SIDE ROAD" intersection continue the work operations through the intersection to a specific location point within the "DEPARTURE LANE" no less than 300 FT to 500 FT beyond the limits of the intersection to allow the work train and all portions of the lane closure to clear the intersection.

On sheet **610-005-20 (ver 5-1-18)**

Added dimension "300'-500'" for the work activity area after the intersection.

On sheet **610-005-30 (ver 5-1-18)** added Note 5 :

5. When the work proceeds through a "STOP SIGN CONTROLLED" intersection continue the work operations through the intersection to a specific location point within the "DEPARTURE LANE" no less than 300 FT to 500 FT beyond the limits of the intersection to allow the work train and all portions of the lane closure to clear the intersection.

On sheet **610-005-40 (ver 5-1-18)** added Note 5 :

5. When the work proceeds through a "TRAFFIC SIGNAL CONTROLLED" intersection continue the work operations through the intersection to a specific location point within the "DEPARTURE LANE" no less than 300 FT to 500 FT beyond the limits of the intersection to allow the work train and all portions of the lane closure to clear the intersection.

On sheet **610-005-50 (ver 5-1-18)** added Note 5 :

5. When the work proceeds through a "TRAFFIC SIGNAL CONTROLLED" intersection continue the work operations through the intersection to a specific location point within the "DEPARTURE LANE" no less than 300 FT to 500 FT beyond the limits of the intersection to allow the work train and all portions of the lane closure to clear the intersection.

SPECIAL PROVISIONS

On sheet 610-005-60 (ver 5-1-18) Title block changed :

Title block now reads "Flagging Operations – Work Zones Beginning @ Intersections with Two-Lane Two-Way Roadways – Departure Lane."

On sheet 610-005-70 (ver 5-1-18) Title block changed :

Title block now reads "Flagging Operations – Work Zones Terminating @ Intersections with Two-Lane Two-Way Roadways – Approach Lane."

On sheet 610-005-80 (ver 5-1-18) Note 6 revised:

6. Dependent upon the location of the work zone in the "Departure Lane" or the "Approach Lane" of the two-lane two-way road, when the work zone progresses to a location that requires conversion from this flagging operation traffic control setup to a standard flagging operation traffic control setup or vice versa, comply with the requirements of Standard Drawing No. 610-005-60 or Standard Drawing No. 610-005-70 as necessary regarding these conversions.

On sheet 610-005-90 (ver 5-1-18) Note 6 revised:

6. Dependent upon the location of the work zone in the "Departure Lane" or the "Approach Lane" of the two-lane two-way road, when the work zone progresses to a location that requires conversion from this flagging operation traffic control setup to a standard flagging operation traffic control setup or vice versa, comply with the requirements of Standard Drawing No. 610-005-60 or Standard Drawing No. 610-005-70 as necessary regarding these conversions.

On sheet 720-305-00 (ver May 2008), delete the entire note directly above main detail:

~~If sidewalk exists, the driveway opening should...~~

On sheet 720-405-00 (ver May 2009) Detail 2 replace dimension 2'-6" maximum with:

2'-6" minimum

On sheet 720-901-01 (ver Feb 2015) replace note 5.04 with:

5.04 When a mid-block crossing is required, consider mid-block staggered crossing (720-955-41) to encourage eye contact between the pedestrian and the oncoming traffic. Always angle the stagger so that the pedestrian travels through the refuge facing the oncoming traffic.

On sheet 722-305-00 (ver May 2010) Detail 4 replace note "French Drain see note 21" with:

French Drain see note 4.5.

On sheet 722-305-00 (ver May 2010) table 722-305A, 4th column, change the following:

Delete {SF}

Replace text "up to 36" with "up to 3'X3' "

Replace text "larger than 36" with "larger than 3'X3' "

On sheet 722-305-00 (ver May 2010) change general note 3.3 2nd sentence & Detail 4:

Place Class 2 Type C Geotextile for Erosion Control under riprap as specified in SCDOT Standard Specification.

On sheet 804-105-00 (ver May 2008) Title Block replace text "Rirap (Bridge End)" with:

Riprap (Bridge End)

On website, sheets designated as 805P* (Pre-MASH) are available for use when MASH eligible devices are not available. Connect these devices to strong post details of the pre-MASH standards available in the 2016 edition of the SCDOT Standard Drawings.

On sheet 805P-510-00 (ver Jan 2011) detail 3 replace guardrail base plate note with the following:

See standard drawings 805-655-xx for guardrail base plate options.

SPECIAL PROVISIONS

On sheet **805P-655-M1 (ver Jan 2011)** replace note 30.4 with the following:

30.4 Install adhesive anchors to a depth sufficient to develop a minimum factored (reduced) ultimate tensile capacity of 21 kips per anchor bolt. Increase minimum embedment shown in detail 4 as required by adhesive manufacturer’s recommendations for the existing material properties, anchor bolt pattern, edge conditions, and any other design reduction.

(5) SECTION 105: CONSTRUCTION STAKES, LINES AND GRADES:

Section 105.8.2 applies to this project. Payment for this work shall be made according to the following schedule:

Percent Contract Complete	Percent of Stakes, Lines, and Grades bid amount to be paid
1 – 5	20
6 – 15	40
16 – 29	60
30 – 49	70
50 – 69	80
70 – 89	90
90 - 100	100

(6) SECTION 106: QUALIFIED PRODUCT LISTINGS

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

(7) SECTION 107: FAIR LABOR STANDARDS ACT OF 1938, AS AMENDED:

Attention is directed to this Federal Legislation, which has been enacted into law. The contractor will be responsible for carrying out all of the provisions of this legislation, which may affect this contract.

(8) SECTION 107: CONTRACT PROVISION TO REQUIRE CERTIFICATION AND COMPLIANCE CONCERNING ILLEGAL ALIENS

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

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

(9) SECTION 107: IRAN DIVESTMENT ACT:

By submission of this bid/proposal, the bidder/proposer as the prime contractor/consultant/vendor does hereby certify his compliance to the following:

- 1. CERTIFICATION: (a) The Iran Divestment Act List is a list published pursuant to Section 11-57-310 that identifies persons engaged in investment activities in Iran. Currently, the list is available at the following URL: <https://procurement.sc.gov/iran-divestment> (.) Section 11-57-310 requires the government to provide a person ninety days (90) written notice before he is included on the list. The following representation, which is

SPECIAL PROVISIONS

required by Section 11-57-330(A), is a material inducement for the SCDOT to award a contract to you. (b) By signing your Offer, you certify that, as of the date you sign, you are not on the then-current version of the Iran Divestment Act List. (c) You must notify the SCDOT immediately if, at any time before posting of a final statement of award, you are added to the Iran Divestment Act List.

2. ONGOING OBLIGATIONS: (a) You must notify SCDOT immediately if, at any time during the contract term, you are added to the Iran Divestment Act List. (b) Consistent with Section 11-57-330(B), you shall not contract with any person to perform a part of the Work, if, at the time you enter into the subcontract, that person is on the then-current version of the Iran Divestment Act List.

3. OPTION TO RENEW RESTRICTION: Contractor acknowledges that, unless excused by Section 11-57-320, if the contractor is on the then-current Iran Divestment Act List as of the date of any contract renewal, the renewal will be void ab initio.

(10) SECTION 109: AS-BUILT CONSTRUCTION PLANS:

See attached Supplemental Specification dated **January 4, 2008** on page **20**.

(11) SECTION 401: LIQUID ASPHALT BINDER AND ADDITIVES:

See attached Supplemental Specification dated **March 1, 2016** on page **21**.

(12) SECTION 401: TRANSPORTATION AND DELIVERY OF MIXES:

See attached Supplemental Specification dated **July 1, 2010** on page **23**.

(13) SECTION 403: IMPRINTED ASPHALT WITH SURFACE COATING (CROSSWALKS)

See attached Supplemental Specification dated **October 6, 2021** on page **24**

(14) DIVISION 600: TRAFFIC CONTROL:

See attached Supplemental Specification dated **September 1, 2015** on page **28**.

(15) DIVISION 600: 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.

(16) SECTION 601: LIQUIDATED DAMAGES FOR VIOLATING LANE CLOSURE RESTRICTIONS:

The Contractor is advised that the Lane Closure Restrictions outlined in the Traffic Control Special Provisions will be strictly enforced. Should lane closures remain in place or not be completely removed by the time specified in the Traffic Control Special Provisions, a penalty will be assessed at the rate of **\$2,500.00 (Two Thousand Five Hundred Dollars)** for each 1/4-hour interval (or any portion thereof). Should lane closures remain in place or not be completely removed for a period of longer than one hour beyond the time specified by the Traffic Control Special Provisions the penalty will increase to **\$5,000.00 (Five Thousand Dollars)** for each 1/4-hour interval (or any portion thereof).

(17) SECTION 602: GENERAL REQUIREMENTS FOR PROVIDING AND MAINTAINING TRAFFIC CONTROL DEVICES IN THE WORK ZONE:

Delete **Section 602.1.11**.

SPECIAL PROVISIONS

(18) SECTION 605: 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 Department’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.

(19) SECTION 610: 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.”

(20) SP1: R1-6 IN-STREET PEDESTRIANS SIGNS

The contractor shall install R1-6 “State Law Yield to Pedestrian in Crosswalk” double-sided signs on flexible delineator post. These shall be street-mount signs from an approved vendor on SCDOT’s Quality Products List. The signs shall be installed in accordance with the MUTCD and the manufacturer’s specifications.

Payment includes all direct and indirect cost and expenses necessary to complete the work and includes fabricating, purchasing, installing of the signs, 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, specifications, and other items of the contract. Pay items under this section include the following:

Item No.	Pay Item	Unit
SP1	R1-6 DOUBLE-SIDED SIGNS W/ FLEXIBLE DELINEATOR POST – IN-STREET	EA

January 1, 2018

ERRATA TO 2007 STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION

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

DIVISION 100 GENERAL PROVISIONS

SECTION 101 DEFINITIONS AND TERMS

Subsection 101.2 Abbreviations and Acronyms

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

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

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

SECTION 102 BIDDING REQUIREMENTS AND CONDITIONS

Subsection 102.8 Irregular Bids

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

SECTION 105 CONTROL OF WORK

Subsection 105.6 Cooperation with Utilities

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

DIVISION 200 EARTHWORK

SECTION 202 REMOVAL OF STRUCTURES AND OBSTRUCTIONS

Subsection 202.5 Measurement

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

SECTION 204 STRUCTURE EXCAVATION

Subsection 204.2.1.2 Structure Excavation for Culverts

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

DIVISION 400 ASPHALT PAVEMENTS

SECTION 401 HOT MIXED ASPHALT (HMA) PAVEMENT

Subsection 401.2.1.2 Liquid Anti-Stripping Agent

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

Subsection 401.2.5 Material for Full Depth Patching

Paragraph 1, delete and replace with the following:

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

Subsection 401.5 Measurement

SUPPLEMENTAL SPECIFICATIONS

After paragraph 10, add the following paragraph:

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

Subsection 401.6 Payment

After paragraph 12, add the following paragraph:

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

Subsection 401.6 Payment

Paragraph 13, **Table of Pay Items**

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

Item No.	Pay Item	Unit
4010005	Prime Coat	GAL

SECTION 403 HMA SURFACE COURSE

Subsection 403.5 Measurement

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

Subsection 403.6 Payment

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

SECTION 407 ASPHALT SURFACE TREATMENT – DOUBLE TREATMENT

Subsection 407.5 Measurement

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

SECTION 408 ASPHALT SURFACE TREATMENT – TRIPLE TREATMENT

Subsection 408.5 Measurement

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

DIVISION 600 MAINTENANCE AND TRAFFIC CONTROL

SECTION 625 PERMANENT PAVEMENT MARKINGS

FAST DRY WATERBOURNE PAINT

Subsection 625.2.2.4.11 Lead Content

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

SECTION 627 THERMOPLASTIC PAVEMENT MARKINGS

Subsection 627.4.10 Inspection and Acceptance of Work

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

Subsection 627.4.10 Inspection and Acceptance of Work

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

Subsection 627.4.10 Inspection and Acceptance of Work

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

DIVISION 700 STRUCTURES

SECTION 709 STRUCTURAL STEEL

Subsection 709.4.3.5.2 Submittals and Notification

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

Subsection 709.6.3 Pay Items (page 650)

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

SECTION 712 DRILLED SHAFTS AND DRILLED PILE FOUNDATIONS

Subsection 712.4.4 Dry Construction Method

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

Subsection 712.4.10.4 Excavation Cleanliness

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

Subsection 712.4.10.6 Shaft Load Test

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

Subsection 712.6.10 Drilled Pile Set-Up

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

SECTION 723 DECK JOINT STRIP SEAL

Subsection 723.1 Description

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

SECTION 726 BRIDGE DECK REHABILITATION

Subsection 726.4.1 General

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

Subsection 723.4.6 Full Depth Patching (page 790)

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

Subsection 726.6.8 Concrete Overlay (Latex) or (Portland Cement) (page 802)

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

SECTION 727 CROSSHOLE SONIC LOGGING OF DRILLED SHAFT FOUNDATIONS

Subsection 726.6 Payment (page 807)

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

DIVISION 800 INCIDENTAL CONSTRUCTION

SECTION 805 GUARDRAIL

Subsection 805.5 Measurement

Paragraph 4; amend as follows:

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

SECTION 815 EROSION CONTROL

Subsection 815.1 Description

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

Subsection 815.5 Measurement

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

Subsection 815.5 Measurement

Delete paragraph 19.

Subsection 815.6 Payment

After paragraph 15, add the following paragraph:

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

Subsection 815.6 Payment

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

Subsection 815.6 Payment

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

INDEX:

Amend as follows:

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

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

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

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

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

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

Page I-20, after "Working Drawings:"
 Replace page 543 with page 779.

July 1, 2017

PROMPT PAYMENT CLAUSE

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

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

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

(i) The obligation to promptly pay subcontractors (all tiers) or to release retainage does not arise if there is a legitimate subcontract dispute with first tier and/or lower tier subcontractors. If there is a subcontract dispute, the Contractor may submit a written request to SCDOT to approve a delay in payment to the subcontractor which shall explain the nature of the dispute and identify relevant subcontract provisions as support. The explanation may include those reasons set forth in the SC Prompt Pay Act (S.C. Code Section 29-6-40). Payment to the subcontractor shall not be withheld without prior SCDOT written approval.

(ii) Contractor shall submit a status report of the dispute in each monthly progress payment. The status report shall contain:

- justification for the continuation of nonpayment in the form of a pending judicial proceedings, alternate dispute resolution (ADR) process or administrative proceedings, as evidence of why the delay shall continue; or
- a certification that the matter is resolved and payment has been issued to the subcontractor (first tier and/or lower tier subcontractors).

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

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

SUPPLEMENTAL SPECIFICATIONS

set forth in paragraph (4) will be applied. On federally funded projects, the subcontractor may contact the Federal Highway Administration should SCDOT fail to address the non-payment issue.

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

April 1, 2008

AS-BUILT CONSTRUCTION PLANS

GENERAL

The Contractor shall produce and deliver to the Department the final As-Built plans for this contract. This set of As-Built plans is not intended to document final quantities, but is intended to show approved revisions to the contract design including but not limited to: revised roadway profiles and cross sections, revised typical sections, revised drainage installations, any changes to the demolition and removal items and any other changes to the original design.

If any design changes occur during construction, the plan sheets (or any other "job site record document" with a seal) revised after award of contract shall include a complete accounting and detail of the revisions and design changes. The P.E. responsible for the revisions shall seal each altered plan sheet (or any other "job site record document" with a seal). This documented information is to be part of the As-Built Plan requirements.

The As-Built plans shall be neat, legible and of the correct size. Bridge projects and any road projects which include Plan, Profile and Cross-Section Sheets shall be full size. In general, if the job was let with full size plans (22" X 36"), the As-Built shall be full size. All revisions to the original plans shall be delineated in red ink, located properly on the drawing, they shall be legible and true to scale. Every As-Built Plan, Profile and Cross-section Sheet shall be designated as such by note or stamp "As-Built" in red. The As-Built Plans shall be bound in the same manner as they were let, not combined. In other words, if a project includes road and bridge work and each is bound separately, keep them separate for As-Built, each with its own AB201 cover sheet.

In submitting As-Built Plans, the Contractor shall be required to complete FORM AB205 or AB206 whichever is applicable, and submit the form with the required deliverables to the RCE. The items and notes on these forms that apply to this project establish the minimum requirements for As-Built Plans. The forms can be found on the SCDOT website at <https://www.scdot.org/business/business-landing.aspx>.

The final As-Built plans shall be submitted within forty-five (45) days following the substantial work complete date of the project.

MEASUREMENT

Measurement is to be on a lump sum basis.

PAYMENT

Payment for this item is to be as follows:

50% of the contract amount is to be distributed over the duration of the project, and paid in amount proportional to the amount of contract work completed.

The remaining 50% of the contract amount is to be paid on the final estimate if As-Built plans meet the requirements to the satisfaction of the Resident Engineer.

In no case is payment to be in excess of the original bid amount for this item.

The Bid Item for this work is as follows:

<u>Item Number</u>	<u>Item</u>	<u>Unit</u>
1090200	As-Built Construction Plans	LS

March 1, 2016

ASPHALT BINDER AND ADDITIVES

Delete Subsection 401.2.1.1, Binder and Additives, General of the Standard Specification in its entirety and replace it with the following:

401.2.1.1 Performance Graded (PG) Binder

Use PG 64-22 or PG 76-22 binder as required by the contract that conforms to all of the requirements of AASHTO M 320. Do not use any combination of “air blown” asphalt binders. Ensure that the asphalt binder supplier lists all types of modifiers and additives used in the production of their PG binders including source of Re-Refined Engine Oil Bottoms (REOB), polymers, ground tire rubber (GTR), polyphosphoric acid (PPA), silicone, and liquid anti-stripping agent (LASA) in their Quality Control Plans. Ensure that additives used for compaction aides or anti-strips such as silicones, WMA additives, and LASA products are listed on the Bill of Lading (BOL). Use PG asphalt binders and modifiers that are heat and storage stable. Thoroughly blend the composite materials at the asphalt terminal before being loaded into the transport vehicle. Asphalt terminals that either supply or produce PG binders must be able to store multiple tanker loads of PG and certify that their products meet AASHTO M 320 prior to transferring or shipping on the BOL and that all modifiers and additives are compatible. Ensure that all PG binders adhere to *SCDOT Qualified Products Policy No. 37-38*. Only use PG 64-22 and PG 76-22 binder from sources listed on the most recent edition of *SCDOT Qualified Product List 37*.

401.2.1.1.1 Modified Performance Graded Binder

When specified, use modified binder consisting of a neat binder modified with a polymer or other modifier producing a binder complying with the requirements of a PG 76-22 as specified in AASHTO M 320 with the addition of the Multiple Stress Creep Recovery (MSCR) test using AASHTO T 350. Ensure acceptable elastomeric polymer is used by using Non-recoverable Creep Compliance values plotted against Percent Recovery based on figure X1.1 found in AASHTO M 332 using RTFO aged material. Ensure that the MSCR test is performed at 64°C using the Very Heavy Traffic “V” Grade requirement in AASHTO M 332. Use elastomer polymer or modifier consisting of a styrene-butadiene (SB), styrene-butadiene-styrene (SBS), styrene-butadiene-rubber (SBR), or ground tire rubber (GTR). Polyphosphoric Acid (PPA) may also be added to the binder, but must not exceed 0.5% by weight of the asphalt binder. Varying blends of SB, SBS, SBR, GTR (7% min.), and PPA (0.5% max.) may be used, at the discretion of the AME, provided the end product meets all specified requirements for the PG 76-22. Perform the storage stability separation test ASTM D7173 to ensure the asphalt binder is homogenous. Ensure that all storage tanks on the asphalt plant site are clearly marked to prevent cross contamination of different PG binders.

401.2.1.1.1.1 Ground Tire Rubber (GTR) in Performance Graded Binder

Ensure that the Ground Tire Rubber (GTR) is terminally (no exceptions) blended with the neat asphalt to create a homogenous and storage stable PG 76-22 that meets all criteria as stated in 401.2.1.1.1, with the exception of Solubility requirement (AASHTO T 44). Blending the GTR modified binder at the asphalt plant during asphalt mixture production will not be permitted. Use a 2.0mm gap setting when using the DSR in accordance to AASHTO T 315 and AASHTO T 350. GTR materials must be free from excessive moisture when received from the tire recycling facility and stored in a dry location at the terminal to prevent blending issues with the binder modification process. A letter of compliance from the tire recycling facility will be required by the AME and the asphalt terminal stating that the GTR blend will meet this specification. The GTR must be free of loose metal particles, other foreign contaminating materials, with exception of embedded metal particles in the rubber. Mineral powder may be added to reduce sticking and caking of the GTR particles. Stabilizing or compatibility additive(s) can be used to achieve better particle distribution. Any additives used for this purpose must not be detrimental to the performance of the asphalt binder or mixture performance and must be accepted by the AME in the supplier’s QC plan. Ensure that the GTR supplier provides certificates of compliance with each shipment certifying that all requirements of this specification are complied with for each production lot number and the end product is homogenous and shows no signs of separation or coagulation. In the event that the terminal changes supply sources of GTR type of grind (ambient or cryogenic),

SUPPLEMENTAL SPECIFICATIONS

or particle size, the asphalt terminal must perform a complete binder analysis on their revised product, and also provide a split sample to the SCDOT to ensure specification compliance.

Provide all sources of GTR and grind type in the asphalt terminal’s QC plan. SCDOT may obtain samples of the GTR particles, base binder, or the finished GTR modified asphalt binder to ensure specification compliance at any time.

Physical Test	Test Procedure	Specification
Sampling of the GTR	ASTM E105 ASTM E122	In accordance to random sampling procedures
GTR Supply	ASTM D5603	Ambient or Cryogenic Grind
Dosage of GTR	Per COA & Supplier’s QC Plan	Minimum of 7.0% by weight of the PG 64-22 base asphalt binder
GTR Specific Gravity	ASTM D5603	1.06 – 1.20
GTR Particle Distribution	ASTM D5644	30 Mesh Maximum of 2.0% Retained
GTR Metal Content	ASTM D5603	Maximum 0.01%
GTR Fiber Content	ASTM D5603	Maximum 0.50%
GTR Moisture Content	ASTM D1509	Maximum 0.75%
Mineral Filler –Talcum Powder (Optional)	ASTM M17	Maximum of 4.0%
Stabilizing Additives (Optional)	-	Maximum of 4.5% by wt. of GTR

Chemical Test	Test Procedure	Specification
Acetone Extract	ASTM D297	Maximum 25.0%
Rubber Hydrocarbon Content		40.0 – 60.0 %
Ash Content		Maximum 8.0 %
Carbon Black Content		20.0 – 40.0 %
Natural Rubber		16.0 – 45.0 %

401.2.1.1.1.2 Ground Tire Rubber in Open Graded Friction Course Mixtures

Stabilizing fibers and fiber supply systems at the asphalt plant may not be necessary when the GTR binder is used as required by section 409.2.3 and 409.4.3 of the Standard Specifications. Perform the SC-T-90 drain-down procedure at 350°F when conducting the asphalt mix design, or otherwise directed by the AME. In the event that drain-down values are found to be excessive, then stabilizing fibers may be necessary as directed by the AME. No additional compensation will be paid for the fibers in the OGFC mixture.

401.2.1.1.1.3 Asphalt Plant Storage Requirements When Using Ground Tire Rubber

Use a dedicated storage tank for “terminal blended GTR asphalt binder” at the asphalt plant. This tank must be capable of providing continuous mixing, as well as recirculation of the GTR asphalt binder as needed. Ensure that this tank is heated and capable of maintaining the temperature of the homogeneous blend of asphalt binder and GTR at 300°F to 350°F. Ensure that GTR modified binders are not mixed with other modified PG 76-22 binder without permission of the AME.

July 1, 2010

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.

October 6, 2021

SECTION 403: IMPRINTED ASPHALT WITH SURFACE COATING (CROSSWALKS)

Description: The work specified in this section consists of the imprinting and coloring of asphalt for new crosswalks as shown on the plans.

Product: A durable imprinted aggregate reinforced preformed thermoplastic pavement marking system (herein "System") that provides a textured, highly attractive and durable topical treatment to the surface of asphalt pavement. Typically, the system replicates, in relief, the grout lines common to brick or other types of unit pavers, but may also be used to create other patterns. It is intended for use on asphalt pavements to create traffic calming solutions and decorative crosswalks, medians, intersections and through areas in parking lots. It provides a seamless, aesthetic look without the trip hazards and ongoing maintenance often associated with pavers and stamped concrete.

The aggregate reinforced preformed thermoplastic is typically supplied in panels measuring 2 ft. x 2 ft. [$\pm\frac{1}{8}$ in.] (.61m x .61m [± 3 mm])

The System must be able to be applied to asphalt surfaces without preheating the application surface to a specific temperature.

The System must be able to be applied in temperatures down to 45°F (7°C) without any special storage, preheating or treatment of the material before application.

The System is applied to asphalt pavement using proprietary reciprocating infrared heating equipment. A two-part epoxy sealer specified by the manufacturer must be applied to the substrate prior to preformed thermoplastic application to ensure proper adhesion, and to provide reinforcement for larger volumes of material. Immediately following sealer application, panels of aggregate reinforced preformed thermoplastic are positioned properly on the asphalt substrate. The preformed thermoplastic is then heated to the required melting temperature. Additional aggregate may be applied to the preformed thermoplastic surface as needed following the melting process, to achieve added friction properties and a uniform surface appearance. As the material is cooling, it is imprinted with a vibratory plate compactor and a template made from 3/8 in. (9.5 mm) flexible wire rope in the required design to create crisp, clean lines which define the pattern. For crosswalks, it is typically demarcated by applying white preformed thermoplastic transverse lines on both sides of the installation.

The pattern and color for the System is shown on the plans.

The System shall utilize a resilient, aggregate reinforced preformed thermoplastic product which contains a minimum of thirty percent (30%) intermixed anti-skid/anti-slip elements and where the top surface contains anti-skid/anti-slip elements. These anti-skid/anti-slip elements must have a minimum hardness of 6 (Mohs scale).

The System must be resistant to the detrimental effects of motor fuels, antifreeze, lubricants, hydraulic fluids, etc.

MANUFACTURING CONTROL AND ISO CERTIFICATION:

The System manufacturer must be ISO 9001:2008 certified for design, development and manufacturing of preformed thermoplastic, and provide proof of current certification.

PERFORMED THERMOPLASTIC MATERIAL:

Must be composed of an ester modified rosin impervious to degradation by motor fuels, lubricants, etc. in conjunction with aggregates, pigments, binders, and anti-skid/anti-slip elements. Pigments and anti-skid/anti-slip elements must be uniformly distributed throughout the material. The material conforms to AASHTO designation M249, with the exception of the relevant differences due to the material being supplied in a preformed state, being non-reflective, and potentially being of a color different from white or yellow.

Pigments -

White: The material shall be manufactured with sufficient titanium dioxide pigment to meet FHWA Docket No. FHWA-99-6190 Table 5 and Table 6 as revised and corrected.

Other Colors: The pigment system must not contain heavy metals nor any carcinogen, as defined in 29 CFR 1910.1200 in amounts exceeding permissible limits as specified in relevant Federal Regulations.

SUPPLEMENTAL SPECIFICATIONS

Skid Resistance -

The surface of the material shall contain factory applied anti-skid/anti-slip elements with a minimum hardness of 6 (Mohs scale). Upon application the material shall provide a minimum skid resistance value of 60 BPN when tested according to ASTM E 303.

Slip Resistance -

The surface of the material shall contain factory applied anti-skid/anti-slip elements with a minimum hardness of 6 (Mohs scale). Upon application the material shall provide a minimum static friction of coefficient of 0.6 when tested according to ASTM C 1028 (wet and dry), and a minimum static coefficient of friction of 0.6 when tested according to ASTM D 2047.

Thickness -

The material must be supplied at a minimum thickness of 150 mil (3.8mm).

Environmental Resistance -

The material must be resistant to deterioration due to exposure to sunlight, water, salt or adverse weather conditions and impervious to oil and gasoline.

Storage Life –

The material may be stored for 12 months, if stored indoors and protected from the elements.

Transverse Lines to Supplement System Application -

Supplied as white, retroreflective preformed thermoplastic line stripe material in 90 mil (2.3 mm) or 125 mil (3.2 mm) thicknesses, material is available in 6 in. (.15m), 8 in. (.20m) or 12 in. (.30m) widths. This preformed thermoplastic material may be supplied and applied by the certified applicator in conjunction with the System, and is available from the System manufacturer. (Consult the manufacturer’s published application instructions for the preformed thermoplastic line stripe material selected, for proper application methods.)

SPECIALIZED APPLICATION EQUIPMENT:

Stamping Templates –

A wire rope template is required in the execution of the System. The template is used for imprinting the defined pattern once the preformed thermoplastic has been applied. The wire rope diameter for the imprinting template used for the specified pattern is 3/8 in. (9.5mm). The stamping templates are distributed by the System manufacturer.

Heating Equipment –

The System manufacturer shall distribute reciprocating infrared heating equipment designed specifically to elevate the temperature of the preformed thermoplastic material and asphalt pavement without adversely affecting it. The primary heating unit must employ a bank of propane fired infrared heaters, mounted on a track device that allows the heater bank to reciprocate back and forth over a designated area, thereby allowing the operator to monitor the temperature of the preformed thermoplastic at all times during the pavement heating process.

A smaller, mobile infrared heater distributed by the System manufacturer is designed specifically to heat areas such as borders and narrow areas that are inaccessible to the primary heaters. This secondary heater also allows the operator to monitor the temperature of the preformed thermoplastic at all times during the heating process.

An approved hand-held propane heat torch distributed by the System manufacturer shall be used to heat isolated areas of the preformed thermoplastic.

Sealer –

A two-part epoxy sealer specified and distributed by the System manufacturer must be applied to the substrate prior to material application to ensure proper adhesion, and to provide reinforcement for larger volumes of material.

Specialized Sealer Dispensing Gun –

Used to dispense the required two-part epoxy sealer onto the substrate. The sealer dispensing guns are distributed by the System manufacturer.

SUPPLEMENTAL SPECIFICATIONS

Hand Held Finishing Tool –

Enables the applicator to complete the imprinting of the thermoplastic in areas around permanent structures, such as curbs and manholes covers, which may be inaccessible to the stamping template. The hand-held finishing tools are distributed by the System manufacturer.

Aggregate –

Supplemental anti-skid/anti-slip elements to be applied to the surface of the molten thermoplastic as needed, if the factory applied anti-skid/anti-slip elements embed too deeply into the surface of the molten thermoplastic material during the heating process. (Embedded aggregate is exposed upon wear for extended skid resistance.) The aggregate is distributed by the System manufacturer.

Air Powered Spray Hopper –

Used to spray supplemental anti-skid/anti-slip elements (aggregate) on the surface of the molten preformed thermoplastic in a uniform manner. The air powered spray hoppers are distributed by the System manufacturer.

Vibratory Plate Compactor (700-900 lb.) –

Shall be used for pressing the 3/8" (9.5mm) wire rope stamping templates into the thermoplastic to create the specified pattern in both the thermoplastic and asphalt substrate. The System manufacturer does not supply vibratory plate compactors.

APPLICATION (Asphalt Substrate Only):

Manufacturer Certified Applicator Requirement –

The System shall be supplied and applied only by an applicator certified by the System manufacturer. The applicator shall provide proof of current certification before commencing work. The Certified Applicator shall follow the System manufacturer's current published application procedures.

Substrate Condition –

The System must only be applied to a stable, high quality asphalt pavement substrate over a stable base that is free of defects, as per the manufacturer published Substrate Guide. The asphalt pavement surface shall be dry and free from all foreign matter, including but not limited to dirt, dust, de-icing materials, and chemical residue.

Procedure –

The System is applied to asphalt pavement using proprietary reciprocating infrared heating equipment. The material must be able to be applied at ambient and road temperatures down to 45°F (7°C) without any preheating of the pavement to a specific temperature. A two-part epoxy sealer specified by the manufacturer must be applied to the substrate prior to preformed thermoplastic application. Immediately following sealer application, the panels of aggregate reinforced preformed thermoplastic are positioned properly on the asphalt substrate with the aggregate side facing up. The preformed thermoplastic is then heated to the required melting temperature. Additional aggregate may be applied to the preformed thermoplastic surface as needed following the melting process. As the material is cooling, it is imprinted with a stamping template made from 3/8 in. (9.5 mm) flexible wire rope in the required design using a vibratory plate compactor. The preformed thermoplastic material is then allowed to cool thoroughly before being opened to vehicle or pedestrian traffic. (Consult the manufacturer's published application procedures for complete information.)

The System shall not be applied to Portland Cement Concrete.

PACKAGING:

The preformed thermoplastic material shall be packaged in cardboard cartons with a plastic sheet between each layer of preformed thermoplastic. The cartons in which packed shall be nonreturnable and shall not exceed 25 in. (.64m) in length and 25 in. (.64m) in width. The cartons shall be labeled for ease of identification. The weight of the individual carton must not exceed seventy (70) pounds (32 kg). A protective film around the carton must be applied to protect the material from rain or premature aging.

TECHNICAL SERVICES:

The successful bidder shall provide technical services as required.

SUPPLEMENTAL SPECIFICATIONS

PERFORMANCE:

Where applicable, the preformed thermoplastic pavement overlay material shall meet state specifications and be approved for use by the appropriate state agency.

WARRANTY:

This decorative thermoplastic includes a three-year warranty to ensure proper bonding to the asphalt and shall remain in place for three years.

METHOD OF MEASUREMENT:

Furnishing and installing the imprinted reinforced pavement marking system shall be measured by a measure of square yard, housing, erected and placed as shown on the Plans. The quantity for the pay item imprinted aggregate reinforced pavement marking system is measured by each aggregate system installed, completed, and accepted.

BASIS OF PAYMENT:

Payment for the accepted quantity of the imprinted aggregate reinforced performed pavement marking system is determined using the contract bid price. Payment for the aggregate system is considered full compensation for providing and installing required aggregate system as specified and includes all ground preparation work, site cleanup, and all other materials, labor, equipment, tools, supplies, and incidentals necessary to fulfill the requirements of the pay item in accordance with the Plans, the Specifications, and other terms of the contract.

Pay for items under this section include:

Pay Item: 4039003 – ASPHALT PAVEMENT TEXTURING – BRICK/BRICK (SY)

September 1, 2015

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 **The Department prohibits lane closures on interstate highways during holiday weekends, extended holiday periods or special events as defined below unless otherwise directed by the Engineer.** The Department’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 Department 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 Engineer.

- 2 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 Engineer.

- 3 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 upon the 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 Engineer.

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

SUPPLEMENTAL SPECIFICATIONS

⁴ 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 upon the 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 Engineer.

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

⁵ Special events are events generating excessive traffic as determined by the Department. 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 Engineer.

BID PROPOSAL FORM

NAME OF BIDDER: _____

BUSINESS ADDRESS: _____

BUSINESS TELEPHONE: _____

PROJECT IDENTIFICATION:

Town of Ridgeland SC 336 (W. Main Street) Decorative Crosswalk

THIS BID IS SUBMITTED TO:

**Town Administrator
Town of Ridgeland
One Town Square
Ridgeland, SC 29936**

1. The undersigned BIDDER proposes and agrees, if this Bid is accepted, to enter into an agreement with OWNER to perform and furnish all Work as specified or indicated in the Contract Documents for the Bid Price and within the Bid Times indicated in this Bid and in accordance with the other terms and conditions of the Contract Documents.

2. BIDDER accepts all of the terms and conditions of the Advertisement or Invitation to Bid and Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for sixty days after the day of Bid opening. BIDDER will sign and deliver the required number of counterparts of the Agreement with the Bonds and other documents required by the Bidding Requirements within fifteen days after the date of OWNER's Notice of Award.

3. In submitting this Bid, BIDDER represents, as more fully set forth in the Agreement that:

(a) BIDDER has examined and carefully studied the Bidding Documents and the following Addenda, receipt of all which is hereby acknowledged: (List Addenda by Addendum Number and Date)

Addendum No. _____ Date: _____

Addendum No. _____ Date: _____

Addendum No. _____ Date: _____

Addendum No. _____ Date: _____

(b) BIDDER has visited the site and become familiar with and is satisfied as to the general, local and site conditions that may affect cost, progress, performance and furnishing of the Work;

(c) BIDDER is familiar with and is satisfied as to all federal, state and local Laws and Regulations that may affect cost, progress, performance and furnishing of the Works.

(d) BIDDER acknowledges that OWNER and ENGINEER do not assume responsibility for the accuracy or completeness of information and data shown or indicated in the Bidding Documents with respect to above ground or underground facilities at or contiguous to the site. BIDDER has obtained and carefully studied (or assumes responsibility for having done so) all such additional or supplementary examinations, investigations, explorations, tests, studies and data concerning conditions (surface, subsurface and underground facilities) at or contiguous to the site or otherwise which may affect cost, progress, performance or furnishing of the Work or which relate to any aspect of the means, methods, techniques, sequences and procedures of construction to be employed by BIDDER and safety precautions and programs incidental thereto. BIDDER does not consider that any additional examinations, investigations, explorations, tests, studies or data are necessary for the determination of this Bid for performance and furnishing of the Work in accordance with the times, price, and other terms and conditions of the Contract Documents.

(e) BIDDER is aware of the general nature of Work to be performed by Owner and others at the site that relates to Work for which the Bid is submitted as indicated in the Contract Documents.

(f) BIDDER has correlated the information known to BIDDER, information and observations obtained from visits to the site, reports and drawings identified in the Contract Documents and all additional examinations, investigations, explorations, tests, studies and data with the Contract Documents.

(g) BIDDER has given ENGINEER written notice of all conflicts, errors, ambiguities or discrepancies that BIDDER has discovered in the Contract Documents and the written resolution thereof by ENGINEER is acceptable to BIDDER, and the Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performing and furnishing the Work for which this Bid is submitted.

(h) This Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; BIDDER has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; BIDDER has not solicited or induced any person, firm or corporation to refrain from bidding; and BIDDER has not sought by collusion to obtain for itself any advantage over any other Bidder or over OWNER.

4. BIDDER will complete the Work in accordance with the Contract Documents for the following prices:

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SC 336 (W. Main Street) Decorative Crosswalk

Schedule of Bid Prices

Contractor Name _____

Item					
Number	Description	Unit	Quantity	Unit Price	Amount
1031000	MOBILIZATION (.05*NET TOTAL)	LS	NEC		
1050800	CONST. STAKES, LINES & GRADES	LS	1		
1071000	TRAFFIC CONTROL	LS	1		
1090200	AS-BUILT CONSTRUCTION PLANS	LS	1		
4011004	LIQUID ASPHALT BINDER PG64-22	TON	0.30		
4030340	H/M ASPH.SURF.CR. TYPE C	TON	5		
4039003	ASPHALT PAVEMENT TEXTURING - BRICK/BRICK	SY	48		
6020005	PERM. CONS SIGNS (GRND MOUNTED)	SF	248		
6250015	8" WHITE SOLID LINES -F.D. PAINT	LF	79		
6250020	12" WHITE SOLID LINES -F.D. PAINT	LF	20		
6271015	8" WH SLDLNES THERMO-125 MIL.	LF	79		
6271020	12" WH SLDLNES THERMO-125 MIL.	LF	20		
6510105	FLAT SHEET, TYPE III, FIXED SZ. & MSG SIGN	SF	23.00		
6531210	U-SECTION POST FOR SIGN SUPPORTS 3P	LF	30		
SP1	R1-6 DOUBLE-SIDED SIGNS W/ FLEXIBLE DELINEATOR POST - IN -STREET	EA	2		
				Total	

BID BOND

(Submit in triplicate – two (2) originals and one (1) copy. Attach triplicate copies of Power of Attorney and Agent’s Current South Carolina license

STATE OF _____)

SS

COUNTY OF _____)

KNOW ALL MEN BY THESE PRESENT that we, _____

as Principal, and _____ as Surety, are

held and firmly bound unto the Town of Ridgeland, South Carolina, hereinafter called the Owner,

in the sum of _____ Dollars

(\$ _____) for the payment of which sum well and

to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns,

jointly and severally firmly by these presents.

WHEREAS, the Principal, on the _____ day of _____, 2019 entered into a

certain Contract with the Owner, hereto attached, for Contract entitled

TOWN OF RIDGELAND SC 336 (W. MAIN STREET) DECORATIVE CROSSWALK

RIDGELAND, SOUTH CAROLINA

NOW THEREFORE, If the Principal shall not withdraw said Bid within ninety (90) calendar days after date of opening of the same, and shall within ten (10) calendar days after the prescribed forms are presented to him/her for signature, enter into a written Contract with the Owner in accordance with the Bid as accepted, and give a Performance Bond and a Payment Bond with good and sufficient surety or sureties, as required by the Contract Documents, for the faithful performance and proper fulfillment of such Contract and for the proper payment of all persons furnishing labor or materials in connection therewith, or in the event or withdrawal of said Bid within the period specified, or in the event of failure to enter into such Contract and give such Bonds within the time specified, if the Principal shall pay the Owner the difference between the amount specified in said Bid and the amount of which the Owner may procure the required work and/or supplies, provided the latter amount be in excess of the former then the above obligations shall be void and of no effect; otherwise, to remain in full force and effect.

IN WITNESS WHEREOF, the Principal and Surety have hereunto caused this Bond to be duly executed and acknowledged by their appropriate officials as set forth below this _____ day of _____, 2019.

PRINCIPAL (If Sole Proprietor or Partnership)

(Firm Name)

ATTEST

By: _____
(SEAL)

Title (Sole Proprietor or Partner)

PRINCIPAL (If Corporation)

(Corporate Name)

By: _____
(President)

Attest: _____
(Secretary)

(Impress Corporate Seal)

COUNTERSIGNED BY
RESIDENT SOUTH CAROLINA
AGENT OF SURETY:

SURETY:

(Copy of Agent's current license
as issued by State of South Carolina
Insurance Commissioner

By: _____
Attorney-In-Fact
(Power of Attorney Must Be Attached)

(Impress Corporate Seal)