

DEPARTMENT OF FINANCE

INVITATION TO BID

October 5, 2018

BID TITLE: Curb, Gutter, & Sidewalk Repair

BID: J00518

BID OPENING DATE: October 25, 2018, 2:00 P.M.

BID/PERFORMANCE BOND REQUIRED: No

The City of Staunton is seeking bids from qualified contractors to provide concrete curb, gutter, and sidewalk repair services and installation as specified herein on an “as needed” basis for a period of one (1) calendar year and may be renewed for 2 additional 1-year periods. Work may include maintenance, repair, replacement and minor construction of concrete sidewalks, curbs, and gutters. This is to include associated debris cleanup and disposal. Questions regarding the specifications for this bid should be directed to Steve Yancey, Superintendent of Streets at (540)-332-3892 or by email at yanceysc@ci.staunton.va.us. All questions regarding specifications or bid form must be submitted in writing to Steve Yancey no later than October 15, 2018, at 2:00 P.M

Please quote lowest price and best delivery on items listed. Advise what discount, if any, will be allowed for payment within a specified time. Terms and delivery date must be specified.

Right is reserved to accept or reject bids on each item separately or as a whole, to reject any or all bids, to waive informalities or irregularities, to negotiate contract terms and options with the successful low bidder, and to contract for the bid to other than the lowest bidder in the best interest of the City of Staunton.

The City of Staunton is not responsible for delays in the delivery of the mail by the U.S. Postal Service, private couriers, or the inter-office mail system. It is the sole responsibility of the Bidder to ensure that its bid reaches the Purchasing and Risk Manager by the designated date and hour. All Bidders shall abide by all applicable State and Federal laws. This public body does not discriminate against faith-based organizations in accordance with the Code of Virginia, § 2.2-4343.1 or against any Bidder because of race, religion, color, sex, national origin, age, disability, or any other basis prohibited by state law relating to discrimination in employment.

All bids must be submitted in a sealed envelope plainly marked, **“BID NO. J00518 –CURB, GUTTER, & SIDEWALK,”** with the name and address of the bidder in the upper left hand corner and accompanied by complete specifications for the items offered. E-Mail and facsimile responses are not acceptable. No responsibility will attach the Owner or any official or employee thereof for the pre-opening of, post-opening of, or the failure to open a proposal not properly addressed and identified.

BIDS RECEIVED AFTER THE DATE AND TIME SPECIFIED WILL BE REJECTED. BIDS MUST BE SEALED, MARKED, AND DELIVERED TO:

Mail To:
City of Staunton
Chad Horvat
Finance Business Manger
P.O. Box 58
Staunton, VA 24402-0058

Overnight To:
City of Staunton
Chad Horvat
Finance Business Manger
116 W Beverley St., 3rd Floor
Staunton, VA 24401

Phone: (540) 332-3819

**CITY OF STAUNTON
PURCHASING DEPARTMENT
GENERAL TERMS, CONDITIONS, AND INSTRUCTIONS**

1. **SUBMISSION AND RECEIPT OF BIDS:**
 - (A) Bids, to receive consideration, must be received prior to the specified time and date of opening as designated in the invitation. E-mail and facsimile submittals are not acceptable.
 - (B) Unless otherwise specified, bidders must use the bid form furnished by the City. Failure to do so may cause bid to be rejected. Removal of any part of the bid form may invalidate the bid.
 - (C) Bids having any erasures, corrections, or typewriter opaquing fluid are not acceptable and will result in rejection of the bid. Prior to submission or opening, errors may be crossed out, corrections entered in ink and initialed in ink by the person signing the bid. No bid shall be altered or amended after the specified time for opening.
 - (D) All bids shall be either typewritten or filled in with ink in order to be considered. Also, all bids must be signed in ink in order to be considered.
 - (E) Bids concerning separate bid invitations must not be combined on the same form or placed in the same envelope. Bids submitted in violation of this provision may not be considered.
 - (F) When specified, each bid shall be accompanied by a bid bond with surety satisfactory to the City or a cashier's or certified check, made payable to the Treasurer, City of Staunton, in an amount equal to 5 per cent of the total bid price. In the event of default by the bidder the 5 per cent deposit shall be and represent liquidated damages to the City.
2. **ANNUAL CONTRACT USAGE REQUIREMENTS:** Whenever a bid is sought seeking a source of supply for an annual contract for products or services, the quantities or usage shown are estimates only. No guarantee or warranty is given or implied by the City of Staunton as to the total amount that may or may not be purchased from any resulting contracts.
3. **PRICING:**
 - (A) Bidder warrants by virtue of bidding that prices, terms, and conditions quoted in his bid will be firm for acceptance for a period of sixty (60) days from the date of bid opening unless otherwise stated by the City or bidder.
 - (B) Prices should be stated in units of quantity as specified in the bid form. In case of error in extension of prices in the bid, the unit price shall govern.
 - (C) Bids based on a firm price or those including a "Downward Escalator" clause for an annual contract period may be given preference over lower ones bearing an "Escalator" clause for an annual contract period.
 - (D) When an annual contract is not requested by the City, and the bid is for products or services to be delivered on a one time only or staggered basis, only firm pricing shall be given consideration. General terms such as "Price in effect at time of delivery" shall be cause for rejection of bid.
4. **PERFORMANCE BOND:** When requested in the bid, the City shall require the successful bidder to furnish a performance bond and labor and material payment bond with surety satisfactory to the City in the amount of contract price at the time of or prior to execution of the contract. If no bond is furnished by the successful bidder, the City reserves the right to award the contract to the next lowest responsible bidder with the next lowest responsive bid.
5. **DELIVERY POINT:** All items shall be delivered F.O.B. destination, and delivery costs and charges included in the bid price. Failure to do so may be cause for rejection of bid. The bidder shall assume all liability and responsibility for the delivery of merchandise in good condition to the specified delivery location(s).
6. **CASH DISCOUNTS:** Cash discounts will be considered in determining the award.
7. **BRAND NAMES:** Unless otherwise provided in the invitation for bid, the name of a certain brand, make, or manufacturer does not restrict bidders to the specific brand, make, or manufacture mentioned; it conveys the general style, type, character, and quality of the equipment desired. The City shall determine in its sole discretion equipment bid to be equal of that specified, considering quality, workmanship, economy of operation, and suitability for the purpose intended, shall be accepted.
8. **SPECIFICATIONS:** The bidders must also indicate any variances from our specification and/or conditions, NO MATTER HOW SLIGHT. If variations are not stated in the bid, it will be assumed that the product or service fully complies with our specifications. The Purchasing Department is not responsible for locating or securing any information which is not included in the bid. Accordingly, to insure that sufficient information is available, the bidder must furnish as part of his bid all descriptive material, (i.e., Catalog Cuts, illustrations, drawings, specifications, or other information) necessary for the Purchasing Department to determine whether the goods or services offered meet the salient characteristic requirements of the bid.
9. **LATEST MODEL/QUALITY:** Bidder shall bid on the latest model, design, etc. of this type of equipment by the manufacturer of which he represents. Equipment shall be new and unused.
10. **NOTICE OF AWARD:** Notice of award will be posted at www.staunton.va.us/vendors.

CITY OF STAUNTON BID FORM

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>RATE</u>
1.	Concrete sidewalk repair/replacement	\$_____/sq. ft.
2.	Concrete curb and gutter repair/replacement	\$_____/sq. ft.
3.	Concrete standing curb	\$_____/ln. ft.
4.	Stone backfill for utility ditches located under streets and sidewalks	\$_____/ton
5.	Flowable fill for major street backfill	\$_____/cy
6.	Topsoil for yard restorations	\$_____/cy
7.	Straw for yard restorations	\$_____/bale
8.	Kentucky #31 tall fescue grass	\$_____/lb.
9.	Asphalt patching per City specifications	\$_____/sq. ft.

PER ATTACHED SPECIFICATIONS

BID

To Purchasing Department:

In compliance with the bid information, the undersigned offers and agrees, if this bid is accepted within _____ calendar days (30 calendar days unless a different period is inserted by the purchaser) from the bid open date specified above, to furnish any or all items upon which prices are offered, at the price set opposite each item, delivered at the designated point(s), within the time specified.

FOB: _____ TERMS: _____

COMPANY NAME

BY: _____
PRINTED NAME **SIGNATURE**

STREET ADDRESS

CITY AND STATE

STATE CONTRACTOR LICENSE NO/TYPE _____

SCC NUMBER.....

E-MAIL.....

PHONE: _____ **FAX:** _____

CURB, GUTTER, & SIDEWALK SPECIFICATIONS

The City of Staunton is requesting sealed bids from qualified contractors appropriately licensed in accordance with the Virginia Department of Professional and Occupational Regulations (DPOR), to provide all materials, equipment, labor and supervision to remove and repair concrete curb, gutter, and sidewalk on an “as needed” basis for a period of one (1) calendar year. Work may include maintenance, repair, replacement and minor construction of concrete sidewalks, curbs, and gutters, repair and debris cleanup and disposal at various locations throughout the City.

Bid Questions and Addenda: Prior to submitting their bid, it is the bidder’s responsibility to check the City web-site (<http://www.staunton.va.us/solicitations>) for any addenda associated with this Invitation for Bid. **All questions regarding specifications or bid form must be submitted in writing to Steve Yancey no later than October 15, 2018, at 2:00 P.M.** Questions may be e-mailed to Mr. Yancey at yanceysc@ci.staunton.va.us. Any addenda and questions and answers will be available on the City web site by 5:00 P.M. on October 16, 2018.

SPECIFIC REQUIREMENTS

- 1) All work shall adhere to City of Staunton Engineering Design and Construction Standards for the installation of curb, gutters, and sidewalks (GC6 and CG2) and may involve some concrete entrances through concrete sidewalks. Engineering Design Standards 110 and 111 are attached as appendix A and appendix B respectively.
- 2) Concrete work shall be bid on square foot and linear foot basis. Prices bid will include all labor, supervision, and equipment, to include, but not be limited to foreman, equipment operators, laborers, backhoe, dump truck, air compressor, miscellaneous air tools, plate tamper, hand tools, traffic control, and signage. **NOTE:** Concrete work shall include backfill and asphalt patching as needed.
- 3) Where required, work will include topsoil and seeding of surrounding areas.
- 4) Work may involve some street repair and patching.
- 5) Contractor shall guarantee the repair and maintenance of any failure of work for a period of one year whether due to faulty materials or workmanship at no additional cost to the City.
- 6) Contractor shall comply with all OSHA and VIOSH requirements in effect at time work is performed.
- 7) Contractor shall contact Miss Utility 48 hours before conducting any excavation.
- 8) All work and construction sites must adhere to City and State Erosion and Sediment Control Requirements.
- 9) All on-going construction sites must be properly secured with respect to erosion and sedimentation controls after each business day.
- 10) Contractor shall be responsible for removing and properly disposing of all debris.
- 11) All work in City Right of Way must have proper signage for traffic control based on the latest MUTCD and VDOT standards.

- 12) The Contractor shall restore the surface above all utility cuts in streets in accordance with the City's Design and Construction Standards and Details. When plant mix asphalt is no longer locally available due to the local asphalt plants closing for the season (typically in winter months), the Contractor shall use temporary pavement patches using cold mix asphalt immediately after backfilling.

GENERAL REQUIREMENTS

- 1) Contract period shall be for one (1) year from date of award. Purchase orders shall be issued to cover all work performed. Multiple purchase orders may be issued during the Contract period.
- 2) The City reserves the right to renew this Contract for two additional one (1) year periods, if so desired and agreed upon by both parties, depending upon negotiated fee.
- 3) The City reserves the right to negotiate additional work at the same hourly rates bid for one full year from the date bids are opened and, if renewed, for one full year from renewal date. The City of Staunton reserves the right to award work to more than one Contractor in the best interest of the City.
- 4) Prior to contract award, the contractor shall furnish certificates of General Liability, Vehicle Liability, and Worker's Compensation Insurance in amounts not less than \$1,000,000, \$1,000,000, and \$500,000 respectively, to the City, and the City of Staunton must be named as additional insured. All insurance coverages shall be written by companies licensed to do business in Virginia and shall be administered by a Virginia registered agent. Such certificates shall also contain substantially the following statement: "The insurance covered by this certificate will not be canceled or materially altered, except after ten (10) days written notice has been received by the City."
- 5) During the performance of this Contract, Contractor agrees that they will not, and shall not knowingly employ an unauthorized alien as defined in the Federal Immigration Reform and Control Act of 1986.
- 6) Cooperative Procurement: This procurement is being conducted on behalf of other public bodies, in accordance with § 2.2-4304 (A) of the Code of Virginia. If authorized by the bidder, the resultant contract may be extended to any public body in the Commonwealth of Virginia in accordance with contract terms.
- 7) Forum Selection: Any action, proceeding, or claim in any way related to this agreement or the relationship between the parties shall be filed and maintained solely in the General District Court or the Circuit Court of the City of Staunton, Virginia.
- 8) Pursuant to Code of Virginia, §2.2-4311.2 subsection B, a bidder or offeror organized or authorized to transact business in the Commonwealth pursuant to Title 13.1 or Title 50 is required to include in its bid or proposal the identification number issued to it by the State Corporation Commission (SCC). Any bidder or offeror that is not required to be authorized to transact business in the Commonwealth as a foreign business entity under Title 13.1 or Title 50 or as otherwise required by law is required to include in its bid or proposal a statement describing why the bidder or offeror is not required to be so authorized.
- 9) The obligations of the City of Staunton are subject to and contingent upon annual appropriation by City Council of sufficient funds for the purposes of this Contract. In the absence of such annual appropriation, either the City of Staunton or the Contractor may terminate this Contract by giving not less than ten (10) days prior notice to the other, specifying this reason for the termination and upon effective termination pursuant to this provision, any compensation due shall be equitably adjusted by mutual agreement.
- 10) Any contract awarded as a result of this Invitation to Bid shall incorporate the terms and conditions of Article 4 of the Virginia Public Procurement Act with respect to Prompt Payment.

- 11) During the performance of this Contract, the Contractor agrees to (i) provide a drug-free workplace for the Contractor's employees; (ii) post in conspicuous places, available to employees and applicants for employment, a statement notifying employees that the unlawful manufacture, sale, distribution, possession, or use of a controlled substance or marijuana is prohibited in the Contractor's workplace and specifying the actions that will be taken against employees for violations of such prohibition; (iii) state in all solicitations or advertisements for employees placed by or on behalf of the Contractor that the Contractor maintains a drug-free workplace; and (iv) include the provisions of the foregoing clauses in every subcontract or purchase order of over \$10,000.00, so that the provisions will be binding upon each subcontractor or vendor.
- 12) The Contractor agrees to hold the City harmless and exonerate the City from any and all liability for injury or damage to persons or property caused by the negligence or willful misconduct of contractor, its agents, employees, or subcontractors in carrying out its duties. This indemnification shall apply to any costs incurred by the City, including reasonable attorney's fees, in defense of such actions.
- 13) During the performance of this Contract, the Contractor agrees as follows:
 - a. The Contractor will not discriminate against any employee or applicant for employment because of race, religion, color, sex, national origin, age, disability, or other basis prohibited by state law relating to discrimination in employment, except where there is a bona fide occupational qualification reasonably necessary to the normal operation of the Contractor. The Contractor agrees to post in conspicuous places, available to employees and the applicants for employment, notices setting forth the provisions of this nondiscrimination clause.
 - b. The Contractor, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, will state that such Contractor is an equal opportunity employer.
 - c. Notices, advertisements and solicitations placed in accordance with federal law, rule or regulation shall be deemed sufficient for the purpose of meeting the requirements of this section.

The Contractor will include the provisions of the foregoing paragraphs a, b, and c in every subcontract or purchase order of over \$10,000, so that the provisions will be binding upon each subcontractor or vendor.

APPENDIX A**SECTION 110 - CURB & GUTTER, SIDEWALK, MISCELLANEOUS CONCRETE**

110.1 GENERAL

Work included in this Section consists of all new and/or replacement/repair of curb and gutter, curb, sidewalk and other miscellaneous concrete work.

110.1.1 Referenced Specification by Abbreviation:

Virginia Department of Transportation (VDOT)

110.1.2 All materials and workmanship associated with this Section will be in accordance with VDOT's Road and Bridge Standards and Specifications unless otherwise noted.

110.2 PRODUCTS

A. Submit shop drawings of all products as by the City.

B. Provide certified test results and/or mix designs.

110.2.1 Concrete shall be VDOT A-3 unless otherwise noted.

110.2.3 Base aggregate shall be VDOT 21A unless otherwise noted.

110.2.3 Brick pavers shall be standard 4" x 8" x 2-3/8" Pine Hall Pathway or Lawrenceville I-875.

110.2.4 Concrete pavers shall be 4"x 8" Holland Stone Interlocking Paving System.

110.3 EXECUTION

110.3.1 Regular excavation shall include removal and disposal of all existing concrete and asphalt, existing steps as required, as well as earth and all other materials associated with normal excavation to a depth to allow for the installation of the proposed project. All bituminous concrete paved surface immediately adjacent to the excavated areas must be saw cut in a straight line so that when excavation procedures are performed, existing paved surfaces will not be damaged. All concrete surfaces adjacent to the proposed project shall be saw cut in a neat straight line.

All areas beneath the proposed construction shall be excavated and/or graded to a smooth uniform surface and compacted prior to installation procedures. All excavation shall be disposed of the project by the Contractor. All excavation shall be considered incidental to the contract.

Unstable Subgrades and Fill - Concrete shall be placed on the earth subgrade if the said subgrade is stable. In unstable areas, the subgrade shall be undercut and replaced with approved material to provide a sound sub base. All fill material required on this project shall be VDOT 21-A compacted to 95% modified proctor density.

110.3.2 Formwork shall be in accordance with VDOT Road and Bridge Specifications.

110.3.3 Protection and Curing shall be in accordance with VDOT Road and Bridge Specifications. Curing compound shall be white.

- 110.3.4 Sidewalks shall be the combination curb and walk type as shown on the detail drawing. Brick veneer sidewalks are to be constructed at locations designated by the Owner.
- 110.3.5 Sidewalks are to be installed so that the back of the walk is on the street right-of-way line, or as directed by the Owner.
- 110.3.6 All sidewalk slabs shall receive a steel trowel float and broom finish and all curbs shall receive a broom finish.
- 110.3.7 All concrete sidewalks shall receive a score line in finished surface every five feet (5'). Depth of the score line shall be a minimum of 5/8".
- 110.3.8 Expansion material shall be installed every 40' in sidewalks and between all existing and proposed concrete surfaces. Along areas where the new walk abuts against an existing uneven retaining wall expansion material shall be installed 4.5' behind and parallel to the face of curb or as directed by the Owner. Concrete shall then be poured behind the expansion material to fill the void area between the face of the walls and expansion. This is done to allow the expansion material to be installed in a smooth straight line. Expansion material shall be of a type equal to the asphalt impregnated fiberboard conforming to ASTM c 175 for exterior work. Expansion material shall extend full depth of slab, less 1/2" at top of slab.
- 110.3.9 After front forms have been removed along the edge of pavement, the contractor shall rub the face of newly installed curb to fill any voids and remove rough spots from the face of curb. In addition, the contractor shall place 21-A Aggregate in the void area between the face of curb and the edge of pavement to an elevation which will match the grade of the existing pavement.
- 110.3.10 All curb and gutter shall be CG-6 or "roll-top" when specified.
- 110.3.11 All curb shall be CG-2.
- 110.3.12 Expansion material shall be installed every 100' in curb and gutter. Expansion material shall be of a type equal to the asphalt impregnated fiberboard conforming to ASTM C 175 for exterior work. Expansion material shall extend full depth of curb and gutter, less 1/2" at top of concrete.
- 110.3.13 All properties which have existing entrance ways shall have new entrances installed at their present location. Entrances will vary in width depending upon field conditions but the standard width shall be 12' at the back. On all existing concrete driveways, the contractor shall tie the driveway into the back of the new entrance using concrete to provide a smooth ride across the entrance onto the existing driveway. The contractor shall perform all asphalt driveway connections to the back of the new entrance. The contractor will be required to place stone behind the new entrance for all driveway connections, both concrete and asphalt, as a temporary measure to allow for the use of the entrance prior to its final completion. The exact number of entrances may vary from those shown on the proposal. Entrances may be added or deleted from those anticipated thus affecting the quantities for both entrances, sidewalks, and curb and gutter. The contractor shall schedule entrance construction to inconvenience property owners no more than necessary.
- 110.3.14 All existing walks and steps that serve private residences, businesses, etc., shall be tied to the back of the newly installed sidewalk. In performing this portion of the work, the Contractor will encounter a multiple of different situations due to grade problems, height and number of steps, etc. For bidding purposes, the contractor shall base his bid on the following breakdown:

- A. All existing sidewalk connections which are tied flush to the newly installed sidewalk shall be paid as miscellaneous concrete installation. Payment shall be based on field measurements.
 - B. All steps constructed to facilitate a connection to back of the new sidewalk shall be paid for on a per each basis. Steps for this project shall be defined as any step with a minimum rise of 4", a maximum width of 5' and a maximum tread of 2'. A change in elevation from the new sidewalk to an existing walk or step is not considered a step for payment purposes. All steps shall be constructed using the same type material as that of the existing walk. If no walk exists, steps shall be constructed using concrete.
- 110.3.15 All yard areas immediately behind newly installed sidewalks shall be top soiled and seeded so as to provide a smooth tie in with the existing yard and back of the walk.
- 110.3.16 Brick sidewalks are to be installed per the Standard Drawing. Base stone shall be VDOT 21A.
- The bricks shall be set in a minimum 1/2" mixture of dry 1 part cement and 3 parts sand. Sand shall be swept between the brick joints. Brick pavers shall have a smooth surface that is flush with the curbing.
- 110.3.17 Detectable warning surface shall be constructed at each street intersection and/or as directed by the City. They shall be VDOT standard CG-12.
- 110.3.18 Existing limestone curb is to be adjusted for a straight alignment and raised to provide a 6" curb height. Thoroughly compact 21-A aggregate under all disturbed limestone curb.
- 110.3.19 When an entrance is required across a brick sidewalk, it shall be a haring bone design. The standard concrete entrance shall be modified to leave a depth equal in thickness to the brick paver and mortar bedding with a 4" wide lip on the back. The brick pavers shall tie in flush with the front curb, back lip and adjacent sidewalk.
- 110.3.20 The Contractor shall be responsible for both the adjustment and relocation of water meter boxes. Adjustment means the vertical and/or minimal horizontal adjustment of the meter box only. Relocated water meters will be any meter that will require cutting into the existing service lines. The City will provide the yoke assembly and box for relocations.
- 110.4 MEASUREMENT AND PAYMENT
- 110.4.1 Sidewalk - Measurement shall be the horizontal surface area (including curb on monolithic curb and sidewalk) of sidewalk. Work is to include excavation, backfill, and materials, etc. Payment shall be at the bid price per square yard.
- 110.4.2 Curb and Gutter - Measurement shall be parallel to the curb and gutter excluding entrances. There shall be no separation between straight and radial curb and gutter. Work is to include all excavation, backfill, and materials. Payment shall be at the bid price per linear foot.
- 110.4.3 Curb - Measurement includes entrances. There shall be no separation between straight and radial curb. Work is to include all excavation, backfill, and materials. Payment shall be at the bid price per linear foot.

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- 110.4.4 Sidewalk Entrance - Measurement shall be the horizontal area (including curb on monolithic curb and sidewalk) of entrance. Work is to include all excavation, backfill and materials. Payment shall be the bid price per square yard.
- 110.4.5 Curb and Gutter Entrance - Measurement shall be parallel to the curb and gutter entrances. There shall be no separation between straight and radial curb and gutter entrances. Work is to include all excavation, backfill, and materials. Payment shall be at the bid price per linear foot.
- 110.4.6 Brick Sidewalk - Measurement shall be the horizontal surface of brick sidewalk. Work is to include all excavation, backfill and materials. Payment shall be the bid price per square yard.
- 110.4.7 Detectable Warning Surface - Measurement shall be per each in addition to payment for sidewalk. Payment shall be the bid price per each.
- 110.4.8 Steps - Measurement shall be per each 5' in width. Steps created by increasing the height of the sidewalk are not a pay item. Work is to include excavation, backfill, and all associated for concrete steps. Payment shall be per the bid price for each concrete step constructed.
- 110.4.9 Miscellaneous Concrete - Measurement shall be the horizontal surface area of concrete adjacent to the street sidewalk (private, walks, driveways, etc.) Work includes all excavation backfill, work and materials required. Payment shall be the bid price per square yard of miscellaneous concrete installed.
- 110.4.10 Stone Base - Measurement shall be by the ton of base stone placed under sidewalk, curb and gutter, gutter, miscellaneous concrete and street patch. Work is to include all excavation and incidental work. Payment shall be the bid price per ton.
- 110.4.11 Saw Cut - Measurement shall be parallel to the saw cut. Payment is for concrete saw cuts only as directed by the City and when identified as a separate pay item. Payment will be the bid price per linear foot.
- 110.4.12 Stone Curb - Measurement shall be per linear foot measured parallel to the sidewalk. Payment shall be the bid price per linear foot only for those curbs adjusted.
- 110.4.13 Concrete Entrance with Brick veneer - Measurement shall be the horizontal surface of brick veneer entrance. Payment shall be the bid price per square yard and shall include all excavation, backfill, concrete entrance and brick veneer. There shall be separate payment for linear footage of curb across the entrance. There shall be no separate payment for concrete entrance.

APPENDIX B**SECTION 111 - STREET CONSTRUCTION AND REPAIR/PATCHING**

111.1 GENERAL

Work covered by this section includes all work associated with construction of a new street and the repair or patching of an existing street.

111.1.1 Referenced Specifications by Abbreviation:

Virginia Department of Transportation - (VDOT)

111.1.2 All materials and workmanship associated with this Section shall be in accordance with VDOT's Road and Bridge Standards and Specifications unless otherwise noted.

111.2 PRODUCTS

A. Submit shop drawings of all products as by the City.

B. Provide certified test results and/or mix designs.

111.2.1 All materials shall meet the specifications of VDOT's Road and Bridge Specifications.

111.3 EXECUTION

111.3.1 All excavation, backfill, base stone, and plant mix for new streets shall be constructed in accordance with VDOT's Road and Bridge Specifications.

111.3.2 The typical street section shall be as shown on the plans.

111.3.3 The street shall be graded to the right-of-way line before beginning cut and fill slopes. Protection and Curing shall be in accordance with VDOT Road and Bridge Specifications.

111.3.4 Street repair/patching shall be in accordance with the Standard Drawing or Plans.

111.3.5 Make a neat saw cut on all sides of a street repair/patch. Square up all patches.

111.3.6 Maintain all street excavations to a smooth transition until final street repair/patch is complete.

111.3.7 A temporary repair/patch of prime and double seal is permitted when plant mix is not available.

111.4 MEASUREMENT AND PAYMENT

111.4.1 Excavation and Fill for new streets shall be in accordance with VDOT Standards.

111.4.2 Base Stone for new streets shall be in accordance with VDOT Standards.

111.4.3 Bituminous Concrete for new streets shall be in accordance with VDOT Standards.

111.4.4 Street Repair/Patch - Measurement shall be for the horizontal area of pavement not exceeding the pay limits. Work is to include all excavation, saw cut, stone base, and bituminous concrete required to complete the repair/patch. Payment shall be the bid price per square yard. There are no separate payments for stone, bituminous concrete or saw cut.