

**PROJECT MANUAL  
FOR  
CITY OF LYNCHBURG**

**2018 MUNICIPAL CONSTRUCTION CONTRACT**

**2018-049**

**Due: 3:00 p.m. May 30, 2018**



**PROCUREMENT DIVISION  
3RD FLOOR CITY HALL  
900 CHURCH STREET  
LYNCHBURG, VA 24504  
TELEPHONE (434) 455-3970  
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## ADVERTISEMENT FOR BIDS

Sealed bids for the 2018 Municipal Construction Contract will be received by the City of Lynchburg in the Procurement Division, Third Floor City Hall, 900 Church Street, Lynchburg, VA 24504 until **3:00 p.m., Wednesday, May 30, 2018** and then publicly opened and read aloud in the Bidder's Room, Third Floor, City Hall.

The work for this term contract includes normal municipal construction projects, such as subdivision development and the installation or construction of curbs and gutters, sidewalks, retaining walls, miscellaneous concrete work, grading, paving, sewer, water lines, stormwater, and other infrastructure related projects.

An **Optional Pre-Bid Conference** will be held at **10:00 a.m., Tuesday, May 15, 2018** in the Public Works Training Room, 1700 Memorial Ave, Lynchburg, VA.

Bid Documents may be viewed and printed directly from the City's Procurement website:  
[www.lynchburgva.gov/current-solicitations](http://www.lynchburgva.gov/current-solicitations).

The Manual of Specifications and Standard Details for the City of Lynchburg may be viewed and downloaded from the City's website: <http://www.lynchburgva.gov/manual-specifications>.

All requests for clarification of or questions regarding this Advertisement for Bids or for additional information must be made in writing to: Stephanie Suter, Procurement Division by e-mail to: [stephanie.suter@lynchburgva.gov](mailto:stephanie.suter@lynchburgva.gov) and received by **2:00 p.m., May 23, 2018**. All posted clarifications or addenda must be signed and accompany any bid submitted.

## **INSTRUCTIONS TO BIDDERS**

To be valid for consideration, Bids must be completed and submitted in accordance with these instructions to Bidders.

### **1.1 DESCRIPTION OF WORK**

The work included under this contract shall consist of projects for the construction of roadways, water lines, storm and sanitary sewer lines, and other infrastructure related construction activities as authorized by City Engineer. This work shall be performed in accordance with the Manual of Specifications and Standard Details, for the City of Lynchburg, latest edition and the Project Manual for the City of Lynchburg, 2018 Municipal Construction Contract and applicable sections of the VDOT Road and Bridge Specifications, latest edition. However, the City reserves the right to award separate contracts for any major work component, if in the opinion of the City's designated representative; to be in the best interest of the City.

### **1.2 AMOUNT OF WORK**

Bidder's attention is called to the fact that the estimate of quantities of the various kinds of work to be done or materials to be furnished as shown in the base bid sheets are approximations only for bidding purposes, and are given as a basis of calculation for comparing bids and awarding contracts. The City makes no claim that the quantities or components of work outlined herein shall actually be undertaken.

The City reserves the right, under any contract subsequent to this solicitation, to require the successful bidder to undertake all work for which he/she is given a "Notice to Proceed" and Purchase Order, within the period of twelve months from the date of the contract at the unit prices bid in the submitted Bid Form, or as negotiated within the limits and scope of the term contract; it also reserves the right to terminate the contract or project at any time it deems necessary or proper, which might be occasioned by unforeseen changes or conditions. All work not specifically delineated herein with specified pricing will require prior written quotation before authorization to proceed is given. It is understood by all submitting a bid to this solicitation, that no assumption on the part of the Contractor(s) shall be made that assumes all work authorized by the City will be automatically granted under the terms of a subsequent term contract. Any contract issued subsequent to this solicitation shall be considered a "Convenience" contract to be used at the discretion of the City.

The City reserves the right to extend the initial contract period for an additional 12 months if the City and the successful contractor are able to negotiate renewal.

### **1.3 DIVISIONS OF WORK**

The work to be undertaken under the 2018 Municipal Construction Contract shall be bid in three sections. These sections are divided as follows:

Section I - Street Improvements – Shall include all work necessary for the construction of new streets, reconstruction of existing streets, street widening projects, and other miscellaneous items such as, but not limited to: grading, aggregate base stone, surface treatment, plant mixed bituminous materials, pavement repairs, curbs and gutters, sidewalks, walls, steps, emergencies such as snow removal, flood or disaster response, etc.

Section II - Utility Construction (Water/Sewer) – Shall include all work necessary for the construction of water lines, sewer lines, storm lines, water vaults, emergencies such as snow removal, flood or disaster response, repair of broken water/sewer lines, etc., and other miscellaneous related work.

Section III- Utility Construction (Stormwater) – Shall include all work necessary for the construction of storm lines and other miscellaneous infrastructure work, emergencies such as snow removal, flood or disaster response.

The above-referenced items of work are listed only to give an example of the types of work to be accomplished, because of the diversity of infrastructure construction activities, all such activities could not be listed herein. Some items for bid may occur in both sections. When this occurs the City may award the work as part of a project or award on the basis of low bid if the City concludes the bid is in order and the contractor can satisfactorily complete the work.

Bidders shall be required to submit separate bids for each section of work as set forth in the Bid Form. The work will be awarded on the basis of the lowest overall bid for each section, if the City concludes the bids are in compliance with the terms of this solicitation and the contractor has satisfactorily demonstrated its competence and ability to carry out the terms and conditions required to complete the work.

#### **1.4 PLANS, SPECIFICATIONS, AND CONTRACT DOCUMENTS**

Copies of the Project Manual for the City of Lynchburg 2018 Municipal Construction Contract may be viewed and downloaded from the City’s website at: [www.lynchburgva.gov/current-solicitations](http://www.lynchburgva.gov/current-solicitations).

The Manual of Specifications and Standard Details for the City of Lynchburg may be viewed and downloaded: <http://www.lynchburgva.gov/manual-specifications>.

The VDOT 2016 Road and Bridge Specification Book and the 2018 Supplement can be viewed and downloaded: <http://www.virginiadot.org/business/const/spec-default.asp>

#### **1.5 BID SUBMISSION**

The bidder shall place his registered Virginia Contractor Number, together with his name and address, on the outside of the sealed inner envelope containing his bid and marked “**2018-049 - 2018 Municipal Construction Contract**”. Place this envelope within another envelope and address to:

City of Lynchburg  
Procurement Office  
Att: Stephanie Suter  
900 Church Street  
Third Floor City Hall  
Lynchburg, VA 24504

Bidders shall include the following with their bid submission:

- Bid Form
- Bid Tabulation Sheets for section bid
- Equal Opportunity Report Statement
- Statement of Experience
- Statement of Available Resources
- Questions to Bidders
- Corporate Status Form
- Certification of Nondiscrimination and Anti-Collusion

Repeat notation “Current Registered Virginia Contractor No. \_\_\_\_\_” on the outside of the outer envelope.

Both inner and outer envelopes shall also have noted thereon:

- a. “2018-049 - 2018 Municipal Construction Contract”
- b. Bidder’s name and address.

The City of Lynchburg will not accept bids submitted after the time set for closing of receipt of bids. All late bids will be returned unopened. The City of Lynchburg reserves the right to reject any or all bids, and to change the quantities after awarding the contract.

## **1.6 PREPARATION OF BIDS**

The bids must be submitted using the forms furnished in the project manual, or obtained from the City's website at: [www.lynchburgva.gov/current-solicitations](http://www.lynchburgva.gov/current-solicitations). All blank spaces on the bid forms, for each section(s) so quoted, must be filled in legibly and correctly in ink or typewritten.

For each scheduled item of work the Bidder shall specify the price per unit of measure and calculate the extended totals. The summation of these extended totals shall then be considered for the total price of the entire work under the contract however, unit prices offered shall govern the actual tabulation of bids.

Base bid sheets that have been prepared by electronic means for calculations will be permitted, however, the contractor must be responsible for their accuracy, and must also submit with his bid, a hard copy of the above mentioned forms signed by an authorized party.

## **1.7 CLARIFICATIONS AND ADDENDA**

No oral clarification of the bid documents will be made to any bidder. To be given consideration, requests for clarification must be received in time to allow preparation of written response at least seven (7) days prior to date fixed for opening of bids. Clarifications will be issued in the form of written addenda to the bid documents and posted to the Procurement Website within five (5) days of the bid opening. Only clarification by formal written addenda will be binding.

All communications in regard to clarifications and any other matters related to this project shall be addressed to: Stephanie Suter, Procurement Division, 900 Church Street, Lynchburg, VA 24504, Phone: 434-455-3963, email: [stephanie.suter@lynchburgva.gov](mailto:stephanie.suter@lynchburgva.gov).

## **1.8 SUPPLEMENTAL BID SHEETS**

In the construction of water, sewer, and storm lines during the year, the City may wish to substitute different types of pipe from those specified in the Base Bid sheets. On the supplemental bid sheets are listed the items in which the City may wish to make substitutions. Bidders are required to submit prices on the various items contained in these sheets which shall be used as a basis for payment in case substitutions are made. Prices submitted on the supplemental bid sheets are not included in the base bid of each section. However, the Engineer or other authorized City representative will review these prices in awarding authorized scopes of work, and may be the basis for determining to award work or seek alternative contract methods.

## **1.9 AUTHORITY FOR BIDS**

Each bid shall contain the full name of each person, firm, or corporation submitting such bid. Each bid by a corporation shall state the name and the address of its President and Secretary and shall be signed in the name of the corporation by an authorized officer or agent subscribing in his own name and office and attested by the seal of the corporation. If the bid is being made by an individual, sole proprietorship, it shall state the name and address of principal in charge, the firm's name, and will be signed by a member of the firm or accompanied by a proper Power of Attorney. The owner reserves the right, before awarding the contract, to require a Bidder to submit such evidence of this qualification as it may deem necessary. The corporate status form accompanying this solicitation must also be filled out and submitted with your bid.

## **1.10 QUALIFICATIONS**

Each Bidder must be prepared to submit within five calendar days of Owner's request written evidence that he/she has the requisite organization, capital, equipment, ability, personnel, evidence of the authority to conduct business in the jurisdiction where the project is located, and at least five (5) years experience in municipal type work for which he/she has submitted a bid. Each bidder shall, with his bid, submit a list of at least three (3) representative projects in the range of \$100,000-\$250,000 completed within the last five (5) years, giving location, dollar value, year completed and the name(s) of the owner(s) and Engineer(s).

The contractor shall verify to the City that he/she has sufficient and qualified personnel to provide for the contract work and have the ability to provide the necessary materials and equipment on an emergency basis during non-regular hours.

Failure by the lowest bidder to sufficiently satisfy the City on his/her ability to meet any of the above requirements will serve as grounds for rejection of the bid.

## **1.11 BID BOND**

Each bid must be accompanied by a cashier's check on a bank satisfactory to the City or a Bid Bond in the amount of five percent (5%) of the amount of the total base bid, made payable to the City, as assurance that the successful bidder will enter into contract within ten (10) days after notification of award of contract.

If the successful bidder default's by failure to enter into contract and filing applicable bonds, the certified check or Bid Bond accompanying the successful bid shall be collected by the City, not as a penalty but as liquidated damages for delays and such additional expenses as may be incurred by the City for reasons of such default.

No contract will be awarded until the Bids have been examined and approved by the City Purchasing Agent and City Engineer. The final contract must be sanctioned by the City Attorney, and subsequently signed by the City Manager. Each will satisfy themselves that the bidder is capable of carrying out the work so bid. The contract will be awarded to the lowest responsible, responsive, and best suited Bidder. Such award will be made within sixty (60) calendar days after opening of bids or all bids will be rejected.

## **1.12 PERFORMANCE BOND**

A performance bond and a labor and material payment bond will be required in the amount equal to the total contract amount to guarantee that he will deliver a completed projects in strict accordance with the specifications and contract documents, and will pay promptly all persons supplying him with labor and materials, and shall provide that the contractor guarantees to repair or replace for a period of one year after the completion of the work, all work performed and materials and equipment furnished and make good all such defects thereof which have become apparent before the expiration of said period of one year. This shall be written through a responsive surety bond agency licensed to do business in the State of Virginia, and shall be delivered to the Owner with the executed project.

## **1.13 POWER OF ATTORNEY**

Attorney-in-Fact who signs bonds, must file with such bonds, a certified copy of their Power-of-Attorney to sign such bonds on behalf of the bidder.

## **1.14 REGISTRATION OF CONTRACTORS**

Title 54, Chapter 7, Code of Virginia, requires that bidders show evidence of registration before bids may be received and considered on a general or subcontract.

### **1.15 MODIFICATION OF CONTRACT**

A public contract resulting from this solicitation may be modified during performance in accordance with the provisions of Sec. 2.2-4309 Virginia Public Procurement Act. In no event may the amount of any contract, without adequate consideration, be increased for any purpose, including, but not limited to, relief of an offer or from the consequences of an error in its bid or offer. Any Contract subsequent to this solicitation may be extended to allow completion of any work undertaken but not completed during the original term of the contract.

### **1.16 WITHDRAWAL OF BIDS AFTER DATE FOR SUBMISSION**

Withdrawal of bids after date for submission shall be in accordance with the provisions of Sec. 2.2-4330 of the Virginia Public Procurement Act, a bidder will have two business days after the opening of bids within which to claim, in writing, any mistake as defined and withdrawal their bid, provided such mistake be proved from the Contractor's work papers.

a. Definition: Contractor's work papers are the original work papers, documents, and materials used in the preparation of the bid as referred to in Sec. 2.2-4330 of the Virginia Public Procurement Act.

b. No bidder shall withdraw, modify, or cancel any part of his bid for the number of days stated on the Bid Form.

### **1.17 BID OPENING**

Sealed bids will be accepted in the Procurement Office, Third Floor, City Hall, 900 Church Street, until 3:00 p.m., Wednesday, May 30, 2018, and then opened and publicly read in the Bidders Room, Third Floor, City Hall. All interested parties are invited to attend.

### **1.18 AWARD OF CONTRACT**

- A. The contract will be awarded on the basis of the sum of the Total Base Bid for each section. During the course of this contract, in order to accommodate the workloads and the projected needs of the City, the City reserves the right to accept bids and award work to contractors other than the annual contractor, if in the opinion of the designated City representative, it is in the City's best interest to do so.
- B. This Contract shall be a unit price contract with award to the responsible bidder submitting the lowest total base bid whose qualifications indicate the award will be in the best interest of the City and whose bid meets the prescribed requirements.
- C. The intent of this bid is to award three contracts to three separate contractors. If the low bidder of Sections II and III are the same contractor, an analysis of unit pricing for each line item will be conducted to determine the smallest differential of the two low bidders for each section. The section providing the smallest total percentage differential in unit pricing for each line item will then be awarded to the second low bidder.
- D. The Owner reserves the right to reject any and all bids and waive any and all informalities and the right to disregard all conforming or conditional bids or counterproposals.

### **1.19 EXECUTION OF CONTRACT**

Within 10 days after the date of award, the successful bidder to whom the contract is awarded, shall execute and deliver to the owner two (2) copies of the construction agreement, bonds, satisfactory evidence of all required insurance coverage and proof, satisfactory to the Procurement Manager, of the authority of the person or persons



executing the contract. The contract shall not be binding on the Owner nor the Contractor, until it has been duly executed by the Owner and copies of the executed contract returned to the contractor.

## **1.20 FAILURE TO EXECUTE CONTRACT**

Default of entering into contract, to execute and deliver required documents and bonds within 14 days after date of award shall be just cause for the annulment of the award and for the forfeiture of the bid guarantee to the Owner. Such forfeiture shall be in liquidated damages sustained and shall not be considered a penalty. Award may then be made to the next lowest responsive Bidder or all bids may then be rejected and the work may be re-advertised.

## **1.21 NOTICE TO PROCEED/ TIME OF COMPLETION**

The estimated quantities as shown on the Base Bid Sheets shall be taken to mean the estimated work to be completed within the calendar year. The amount of such work authorized under the provisions of a subsequent Contract may be increased or decreased if the City dependent upon the actual needs of the City. The successful Contractor(s) may be required to complete single phases of the work within a specified time set forth by the Engineer or designated City representative, dependent on scheduling needs of the City.

The Engineer will set up a time schedule for each of the various projects as they are approved by City Engineer. The Engineer, after conferring with the contractor, may issue a written "Notice to Proceed" and a "Completion Time" which shall be mutually agreed between the Engineer and the contractor. The Engineer's decision shall be final in cases where agreement cannot be reached. If the contractor does not concur, he/she shall make a written request for a change prior to the effective date of the "Notice to Proceed." The contractor shall be required to begin construction within fourteen (14) consecutive calendar days after date of issuance of a "Notice to Proceed".

The contractor shall be required to complete the project by the "Completion Date" as set forth in the written "Notice to Proceed."

The contractor shall provide to the City, a minimum of one crew for Section I, two crews for Section II, and one crew for Section III work, whichever bid, which shall remain on awarded work under this contract, 2018 Municipal Construction Contract, until all assigned work is completed. If workload requires, the City shall require more than the specified number of crews to be provided by the contractor to accommodate workloads.

## **1.22 LIQUIDATED DAMAGES**

If said contractor shall neglect, fail or refuse to complete the work or any phase thereof within the time herein specified, or any proper extension thereof granted by the owner, then the contractor does hereby agree, as a part of consideration for the awarding of this contract, to pay the owner in the amount of \$200.00 for each and every calendar day the time consumed in said performance and completion exceeds the time herein allowed for that purpose, not as penalty but as liquidated damages for such breach of contract as hereinafter set fourth; and owner shall and may deduct and retain the amount of such liquidated damages out of the money which may be due or become due under this contract.

The said amount is fixed or agreed upon by and between the contractor the owner because of the impracticality and extreme difficulty of fixing and ascertaining the actual damages the owner would in such event sustain, and said amount as agreed to be in the amount of damages which the owner would sustain.

It is further agreed that time is of essence of each and every portion of the contract and of the specifications wherein a definite and certain length of time is fixed for the performance of any act whatsoever; and where under the contract an additional time is allowed for the completion of any work, the new time limit fixed for such extension shall be of essence of the contract.

Provided, that the contractor shall not be charged with liquidated damages or any excess cost when the delay in completion of the work is due:

- (a) To any preference, priority or allocation order duly issued by the Government;
- (b) To unforeseeable cause beyond the control and without the fault or negligence of the contractor, including but not restricted to, acts of God or of the public enemy, acts of the owner, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes, and unseasonably severe weather; and
- (c) To any delays of subcontractors or suppliers occasioned by any of the causes specified in section (a) and (b) of the article;

Provide, further, that the contractor shall, within ten (10) days from the beginning of such delay, unless the owner shall grant a further period of time prior to the date of final settlement of the contract, notify the owner, in writing of the cause of the delay, who shall ascertain the facts and extent of the delay and notify the contractor within a reasonable time of his decision in the matter.

### **1.23 EQUAL OPPORTUNITY REPORT STATEMENT**

In addition to requirements set forth in 1.25 above, prospective bidders shall complete the Equal Opportunity Report Statement attached to the Bid Form.

### **1.24 INSURANCE**

The contractor shall be required to obtain and maintain in effect throughout the length of the contract liability insurance or Workmen's Compensation Insurance, and also Comprehensive Liability Insurance, together covering bodily injuries to his employees and the public, received as a consequence of the performance of the work under this contract. The contractor shall not commence work under this contract until he has obtained all insurance requirements under this section and such insurance has been approved by the Owner, nor shall the Contractor allow any subcontractor to commence work on his subcontract until all insurance required of the subcontractor has been obtained and approved. Certificates will be required for the Engineer's approval prior to beginning work. All certificates of insurance shall name "The City of Lynchburg, its officers and employees as an additional insured".

- A. Contractor's Automobile Liability (Bodily Injury and Property Damage) combined single limit coverage shall be provided for the following limits:

Bodily Injury Liability &  
Property Damage & Liability                      \$1,000,000 each occurrence

The contractor's insurance provider shall use occurrence form CA001 Ed. 01/80.

- B. Contractor's Workmen Compensation Insurance as required by Federal, State, and Municipal laws for the protection of all contractor's employees working on or in connection with the project, including broad form all states and voluntary compensation coverage's.

- E. Contractor's comprehensive general liability (Bodily Injury and Property Damage) combined single limit coverage shall be provided for the following limits:

Bodily Injury Liability &  
Property Damage & Liability                      \$1,000,000 each occurrence

The contractor's insurance provider shall use occurrence form CG0001, Ed. 11/88.

- F. Comprehensive Liability Insurance shall include the following coverages:  
"X", "C", and "U" Hazards

Owner's Protection Liability  
Contractor's Protective Liability  
Personal Injury (all insuring agreements) deleting the employee exclusion  
Broad Form Property Damage, including completed operations- to modify care, custody, or control exclusion  
Contractual Liability – required when a hold harmless agreement has been signed.

- G. Excess catastrophe coverage shall be provided by the contractor with a minimum limit of \$4,000,000.00
- H. Any Insurance maintained by the City shall apply in excess of and shall not contribute with insurance provided by the contractor.
- I. Fire, Extended Coverage, Vandalism, and Malicious Mischief (Completed Value Builder's Risk)  
Insurance for full insurable value of the project shall be provided by the contractor. The contractor shall secure, if applicable, "All Risk" type Builder's Risk Insurance. The Builder's Risk Insurance shall be for the benefit of the owner, the contractor, and the subcontractors, as their interest may appear.
- J. For Railroad crossing and work performed on Railroad Company's property, the Prime Contractor will be required to carry insurance of the following kinds and amounts:
  - 1. Workers' Compensation and Employers' Liability Insurance- coverage to meet fully the Statutory or regulatory requirements applicable in connection with death, disability or injury to Principal's employees.
  - 2. General Liability Insurance having a combined single limit of not less than \$2,000,000 per occurrence. Policy should include Products and Completed Operations coverage and contractual liability coverage to cover the obligations assumed under the agreement and shall not deny coverage for operations conducted within 50 feet of a Railroad hazard. The railway shall be named as a certificate holder and as an additional insured with regards to the operations being performed.
  - 3. Automobile Liability insurance having a combined single limit of \$500,000 per occurrence.
  - 4. In the event Principle cannot obtain contractual liability insurance to cover the obligation assumed in the agreement (see #2), Principal shall furnish Railway Company with a Railroad Protective Liability Policy having a combined single limit of \$2,000,000 per occurrence. Depending on the type of work to be performed, this coverage may be added to the Master Railroad Protective Insurance policy for a premium fee of \$1,000. This provision does not negate the need to provide items 1 through 3, other than the contractual liability requirement.
- K. The contractor shall require his surety to certify on the insurance certificate that the insurance coverage specified herein is fully in effect, both in scope and in amount. If insurance coverage is effected with more than one company, the individual certificates shall identify the items of insurance listed above which the individual companies cover.
- L. All insurance shall be written by insurance companies listed to do business in the Commonwealth of Virginia and acceptable to the owner.

## ADDITIONAL REQUIREMENTS

### **2.1 GENERAL SPECIFICATIONS AND STANDARD DETAILS**

The Manual of Specifications and Standard Details for the City of Lynchburg, latest edition, this Project Manual for the City of Lynchburg 2018 Municipal Construction Contract, the VDOT Road and Bridge Specifications, latest edition, Plans, Special Provisions, Addenda and all Supplementary Documents become parts of the contract and any requirement occurring in one is as binding as though occurring in all. They are intended to be complementary and to describe and provide for a complete work. For further information regarding discrepancies between these documents, see applicable sections of the Manual of Specifications and Standard Details.

### **2.2 COORDINATION OF WORK BETWEEN SECTION I, SECTION II, AND SECTION III CONTRACTORS**

Cases may arise, particularly in the development of subdivision, where the Section I contractor will be required to complete the rough grading of a street prior to installation of utility lines by the Section II or Section III contractor and installation of private utilities. In these instances, the Section I contractor will have to delay finish grading for a sufficient time to allow for these installations and is not to shape the final subgrade until after all utilities are in place. After the utilities are in place, the Section II or Section III contractor will be required to restore the street cross-section to its original conditions. No additional payment will be made to the Section I contractor for completing the finish grading, other than regular excavation not previously measured. No additional payment will be made to the Section II or Section III contractor for restoring the street cross-section. The Engineer will determine when the cross-section has to be restored.

### **2.3 PAYMENTS**

- a. See Section 01000, General Requirements, of the Manual of Specifications and Standard Details for the City of Lynchburg, regarding requests for payment.
- b. See Section 01200, Measurement and Payment, of the Manual of Specifications and Standard Details for the City of Lynchburg, regarding descriptions for payment of work.
- c. At least five business days prior to the date of submittal of payment, the Contractor shall schedule and meet with the Construction Coordinator to review the progress of each project and to determine the items of work and quantities completed since the previous Application for Payment. Pay request shall be delivered in triplicate to the Construction Manager at 1700 Memorial Ave., Lynchburg, VA 24501. The request shall be submitted to 1700 Memorial Ave. not later than the 1<sup>st</sup> calendar day of each month. The Financial Coordinator shall review and process each application in a timely manner. Errors and discrepancies shall be brought to the Contractor's attention whom in turn shall make corrections and promptly resubmit the Application for Payment. The City shall make partial payment on each approved Application for Payment on or before the last business day of the month following the month in which the work was performed. If the Engineer subsequently determines that the contractor has been overpaid, all further partial payments may be credited against such overpayment.
- d. Payment will only be made for those pay items and pay units given on the Bid Forms, or as resolved within the limits of this contract, and supported by City issued purchase order. Payment will be made only for those actual quantities of work performed within the individual project scope supported by purchase order or purchase order change order if additional work above the original scope is involved.
- e. The following procedure will be utilized by the City of Lynchburg and all its contractors to obtain an account of work performed by disadvantaged business enterprise participants.
- g. The City reserves the right to withhold the payment of any partial or final estimate voucher or any sum or sums thereof from such vouchers in the event of the failure of the contractor to promptly make payment to all persons supplying equipment, tools, or materials, or for any labor used by him in the prosecution of the

work provided for in the contract, and for any other cause, including overpayment on previous partial payment.

- h. Payment for stored materials - when requested in writing by the contractor, allowances may be made for material delivered for use on a project, but not incorporated in the work if a bill of sale or other evidence, so as to protect the owner's title to said material be presented and the material be stored in a manner acceptable to the Engineer.
- i. Acceptance and Final Payment - when final inspection and final acceptance have been duly made by the Engineer, the contractor shall submit, with the approval of the Construction Coordinator, the final estimate representing payment for total completed quantities for the project.

Prior to final payment, the contractor shall certify to the City that he has made all settlements, or satisfactory arrangements therefore, for labor, materials and supplies entering into or used by him on the work and shall furnish such other certificates as are required by the City as a prerequisite to the issuance of final payment. In case such evidence is not furnished, any amount necessary to meet such claims may be retained by the City from any monies due the contractor until such claims are fully satisfied and liens therefore discharged.

All prior partial estimates and payments shall be subject to correction in the final estimate and payments. The acceptance by the contractor of this final payment made aforesaid shall operate and be a release to the City for all claims by and the liabilities to the contractor for all work done or materials furnished, or for any action the City or its agents affecting the work.

Acceptance and final payments are not based on the municipal contract in its entirety, but are based on each individual project or specific event as deemed by the City where a final acceptance date has been established and all work approved by the City Engineer.

- j. The prime contractor shall take one of the two following actions within seven days after receipt of payment from the City with regards to work performed by a subcontractor under their contract.
  - a. Pay the subcontractor for the proportionate share of the total payment received from the City attributable to the work performed by the subcontractor under that contract; or
  - b. Notify the City and subcontractor, in writing, of his intention to withhold all or a part of the subcontractor's payment with the reason for nonpayment.

The contractor will pay interest to the subcontractor on all amounts owed by the contractor that remain unpaid after seven days following receipt by the contractor of payment from the City for work performed by the subcontractor under this contract, except for amounts withheld as allowed in subdivision "b" of this section. Interest shall accrue at the rate of one percent per month.

The contractor shall include in each of its subcontracts a provision requiring each subcontractor to include or otherwise be subject to the same payment and interest requirements with respect to each lower-tier subcontractor.

A contractor's obligation to pay an interest charge to a subcontractor pursuant to the payment clause in this section may not be construed to be an obligation of the City's. A contract modification may not be made for the purpose of providing reimbursement for such interest charge. A cost reimbursement claim may not include any amount for reimbursement for such interest charge.

- k. Contractual Disputes - Contractual claims, whether for money or other relief, shall be submitted in writing no later than sixty (60) days after final payment. However, written notice of the contractor's intention to file a claim shall be given at the time of the occurrence or beginning of the work upon which the claim is based. Pending claims shall not delay payment of amounts agreed due in the final payment.

- l. Administrative Appeals Process - Any prospective bidder may appeal a decision by the City in accordance with section 2.2-4365 Code of VA., by registering a written complaint to the City's Procurement Manager detailing the complaint and any relief sought.
- m. Pass-through Price Increases and Decreases
  - A. Increases: The City of Lynchburg recognizes that the Contractor's sources of supply and Transportation may pass onto the Contractor unanticipated and significant price increases. The City will consider requests by the Contractor to allow "pass-through" price increases when accompanied with sufficient proof. Only the Contractor's direct supplier's price increases will be considered. The City reserves the right to accept or reject all such requests. The City will not allow price increases that are greater than the amount passed on to the Contractor, or for a period outside of the then current contract year.

Pass through price increases will not be a substitute for poor planning by the Contractor. Such Requests cannot be submitted until after the sixth month of the then current year.
  - B. Decreases: When and as pass through price increases are reduced or eliminated, the Contractor shall reduce the unit price accordingly.

## **2.4 EXTRA WORK AND FORCE ACCOUNT WORK**

The Contractor shall perform unforeseen work whenever it is deemed necessary or desirable in order to complete fully the intent of an authorized project. Such work shall be performed and paid for in accordance with one of the following three methods as specified below and as approved by the City Engineer.

Extra work will be paid for as mutually agreed between the City Engineer and the Contractor prior to commencement of such work. The final decision and approval regarding the payment of work will be made by the City Engineer.

- A. The primary method of payment shall be made by unit price method if such line item is available within the contract. The designation of models associated with the line item represents minimum size required, other models equal to or greater may be substituted at no increase in price. Equipment prices are to include operator, expenses, overhead, special attachments, insurance, taxes, and profit. The unit price for manpower shall include all hand tools and portable power tools necessary for the work being performed.
- B. When there is no line item for payment of work, the contractor shall be required to perform such work on a force account basis and will be compensated in the following manner:
  1. Labor: The contractor will receive the rate of wage set forth in his actual payroll for each classification of labor, foreman, and/or superintendents who are in direct charge of the specific operation. The time allowed for payment will be the number of hours that said personnel are actually engaged in such work. In the event overtime work is authorized, payment will be at the normal overtime rate set forth in the contractor's most recent payroll. An amount equal to 25% of the approved force account payroll will be included in the payment for labor to cover administrative costs, profit and benefits and/or deductions normally paid by the contractor.
  2. Materials: The contractor will receive the actual cost of the materials accepted by the City Engineer, delivered and used for the work including taxes, transportation and handling charges paid for to him to which cost, 15% will be added for administration, profit, and any other related charges. The contractor shall take full advantage of all trade discounts offered by the materials supplier. All salvageable temporary construction materials will be retained by the City if the City Engineer so desires.

3. **Equipment:** The contractor will be paid hourly rental rates for pieces of machinery and equipment necessary for the prosecution of the work which is approved by the City Engineer. The hourly rental rates paid will not exceed the rental rates bases on 1/40 of the weekly rental rates of the schedule shown in the Rental Rate Blue Book which is current at the time the Force Account is authorized. Rental rates will be paid for the time the machine or piece of equipment (excluding the operator) is in actual operation on force account work or is held and ready for the prosecution of a particular phase of force account work as authorized by the City Engineer. An amount equal to 15% of the preceding rental rate will be paid to the contractor to cover the costs of fuel, lubricants, repairs, servicing, (greasing, fueling, and oiling of the machinery or equipment) small tools, and other incidentals approved by the City Engineer. No compensation will be paid for the use of machinery or equipment, which is considered by the City Engineer to be unnecessary for the performance of the work. The rates for special work not listed in the Blue Book schedule used on the force account work shall not exceed the hourly rate being paid for such equipment by the contractor at the time of the force account authorization. In the absence of such rates, the prevailing rate being paid this area will apply.
4. **Miscellaneous:** No additional allowances will be made for: attachments which are considered common accessories for equipment as defined in the Blue Book, general superintendents, office workers (time keepers, secretaries, etc.), the use of small tools, or other costs for which no specific allowance herein provided.
5. **Compensation:** The compensation as set forth in this section shall be accepted by the contractor as payment in full for extra work done on force account basis. At the end of each day, the contractor will be responsible for scheduling and meeting with the City Engineer's representative to receive approval of the time of equipment, labor and materials used for that days work.
6. **Statements:** No payments will be made for work performed on a force account basis until the contractor has furnished the City Engineer with duplicate itemized statements of the cost of such force account work detailed as follows:
  - a. Payroll indicating name, classification, date, daily hours, total hours, rate and extension for each laborer, and foreman and/or superintendent.
  - b. Designation, dates, daily hours, total hours, rate and extension for each unit of equipment.
  - c. Quantities of materials, prices, and extensions.
  - d. Transportation of materials.

Statements shall be accompanied and supported by invoices for all materials used and transportation charges. However, if materials used are not specifically purchased for such work but taken from the contractors stock, then in lieu of the invoices, the contractor shall furnish an affidavit certifying that such materials were taken from his sock, that the quantity claimed was actually used, and that the price, transportation, and handling claimed represents the actual cost of the contractor.

- C. If the City Engineer desires, he may request work to be taken on a "quote basis". Such method of payment for "Extra Work" will be a "not to exceed, quote" submitted to the City Engineer by the contractor and will represent full compensation to the contractor for all labor, materials, and equipment to complete such work, with the scope as defined by the City Engineer.

## **2.5 SUBLETTING OF CONTRACT**

Except as otherwise noted herein, Contract work amounting to not less than 80 percent of the total project or Contract shall be performed with the Contractor's own organization. "Specialty Items" so designated by the City Engineer may be performed by subcontract and the cost of any "Specialty Items" so performed may be deducted from the total project or Contract cost before computing the amount of work required to be performed by the Contractor's own organization. Contractors will be required to clearly identify such subcontract requirements in

their preliminary estimate or quotation, or the City will assume the contractor has the requisite resources to meet the terms of the contract.

## **2.6 SUBCONTRACTS FOR EXTRA WORK**

When extra work is required due to unforeseen conditions for which there is no price included in the contract and subcontractors are necessary, the contractor shall solicit written sealed bids in accordance with section 1.25 above, where possible, from at least two qualified subcontractors for such work. The contractor shall take all reasonable measures to insure that all contractors including minority contractors are given an equal opportunity to bid on any work to be subcontracted. Bids which include pricing for subcontract work must indicate that written bids were requested from minority contractors where available. These prices shall be on file with the contractor and available for review and approval by the City prior to beginning of work.

## **2.7 COMPENSATION FOR SUBCONTRACTS FOR EXTRA WORK**

Whenever the prime contractor is required and authorized by the City to engage the services of a subcontractor to perform work as stated in section 2.7 above, then the following method of compensation, as set forth in this section will be made:

The prime contractor will be paid ten (10) percent of the subcontracted net work to cover his profit and administration cost. The amount resulting from such ten (10) percent additive will not be subject to any further additives.



## **ADDITIONAL REQUIREMENTS FOR ITEMS OF CONSTRUCTION**

### **3.1 CONSTRUCTION SCHEDULE**

The contractor shall submit a detailed construction schedule prior to beginning of any project as requested by the Engineer. The owner shall be notified in advance of any major changes in the construction schedule as these projects progress. The contractor shall contact the Engineer at least three business days before beginning work on any project or portion of such project, so that appropriate survey, if applicable, and pre-construction meeting can be scheduled. The contractor shall coordinate with the Engineer or the Engineer's representative at least two business days prior to activities that may involve coordination between other City Departments and/or other concerned parties. Work scheduling shall be subject to the availability of services to be provided by the City.

Work shall not be performed on Sundays or City annual holidays without the permission of authorized City Personnel except as necessary to maintain traffic.

When work in the roadway is scheduled for major roadways, thoroughfares, or expressways (as defined by the City Engineer), the contractor cannot obstruct the roadway before 8:30 AM (when it conflicts with morning rush-hour traffic) or after 3:30 PM (when it conflicts with afternoon rush-hour traffic).

During special public events, the Engineer may require the contractor to limit or cease construction activities that may in his opinion interfere with such events.

### **3.2 MATERIALS TO BE FURNISHED BY THE CITY**

The contractor shall furnish all materials necessary to complete each item shown in the Bid unless otherwise noted.

Where materials are furnished by the City, the contractor shall notify the Engineer at least 72 hours in advance of his need of the materials in question, and contact the Utilities Department "Stores" at least 24 hours before scheduled pick-up (only during normal City business days and hours). No payment will be made for pick-up of this material at the City Utilities Division. This cost is to be included in the unit price for any work of any nature where the City furnishes the material.

### **3.3 EMERGENCIES**

When specifically authorized by the City Administration during periods of emergency, the Director of Public Works may direct the contractor to undertake construction-related activities to protect municipal facilities and community interests. Compensation to the contractor for such "emergency work" shall be determined as provided in the Extra Work and Force Account Work section of these specifications.

### **3.4 ABANDONMENT/REMOVAL OF EXISTING FIRE HYDRANTS ON EXISTING WATER MAINS**

**Measurement:** Abandonment/removal of existing fire hydrants on existing mains will be measured on an each basis for such removal of the fire hydrant and related abandonment of stub water line.

**Payment:** Abandonment/removal of fire hydrants on existing mains shall be paid for on an each basis at a lump sum price to include: removal and disposal of fire hydrant, closing of independent valve, capping 6" stub line with mechanical cap, removal and disposal of existing concrete pad and gravel base, filling void area with approved back fill flush with surrounding grade and seeding disturbed area.

**EQUAL OPPORTUNITY REPORT STATEMENT**

The Bidder shall complete the following statement by checking the appropriate blank as follows.

The Bidder has \_\_\_\_\_ has not \_\_\_\_\_ participated in a previous contract subject to the nondiscrimination clause prescribed by Executive Order 10925, dated March 6, 1961, or Executive Order 11114 dated June 22, 1963.

In conjunction with the City of Lynchburg's policy to utilize Minority and Disadvantaged Business Enterprises ("DBE") wherever possible, the Bidder has solicited quotations for labor, material and/or services from the following Minority and Disadvantaged Business Enterprises:

NAME OF FIRM	PERSON(S) CONTACTED	DATE

Of those listed above, we intend, at this time, to utilize the following in the completion of the Work required by this Construction Agreement:


"This firm assures that it will give its best efforts to utilize Minority and Disadvantaged Business Enterprises whenever possible."

CERTIFIED BY: \_\_\_\_\_ (Signature)

\_\_\_\_\_ (Typed/Printed name & Title)

BIDDER'S NAME: \_\_\_\_\_

TAXPAYER IDENTIFICATION NUMBER: \_\_\_\_\_

\_\_\_\_\_ This firm will perform all construction with its own employees and, therefore, is not required to solicit quotations from DBEs.

**FAILURE TO DOCUMENT AND REPORT DBE CONTACTS ON THIS FORM MAY BE A BASIS FOR REJECTION OF THE BID AS NONCONFORMING.**

**STATEMENT OF EXPERIENCE**

Proposer: \_\_\_\_\_  
\_\_\_\_\_

How Long In Business: \_\_\_\_\_ At Current Address: \_\_\_\_\_

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

Type of Work Normally Performed: \_\_\_\_\_  
\_\_\_\_\_

Projects of this type previously completed:

1. \_\_\_\_\_  
\_\_\_\_\_ Amount \$ \_\_\_\_\_

2. \_\_\_\_\_  
\_\_\_\_\_ Amount \$ \_\_\_\_\_

3. \_\_\_\_\_  
\_\_\_\_\_ Amount \$ \_\_\_\_\_

Reference (for Projects listed above):

1. \_\_\_\_\_  
\_\_\_\_\_ Tel.No. \_\_\_\_\_

2. \_\_\_\_\_  
\_\_\_\_\_ Tel.No. \_\_\_\_\_

3. \_\_\_\_\_  
\_\_\_\_\_ Tel No. \_\_\_\_\_

**STATEMENT OF AVAILABLE RESOURCES**

Equipment: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Number of Personnel Currently Employed: \_\_\_\_\_

Number of Personnel Available for Project: \_\_\_\_\_

Other Pertinent Information: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**QUESTIONS TO BIDDERS**

Bidders are to respond to the following question: Have any of the individual(s), owner(s), and/or principal officer(s) of the firm submitting the bid/proposal ever been convicted of (1) a felony, or (2) a misdemeanor involving moral turpitude?

YES \_\_\_\_\_

NO \_\_\_\_\_

If yes, list individual or officer and title and give details.

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NOTE: Answering yes to this question will not necessarily exclude your company from consideration but will be used to weigh the relationship between the offense and the contract to be performed.

Is your firm currently involved in litigation or a dispute involving arbitration?

YES \_\_\_\_\_

NO \_\_\_\_\_

If yes, for litigation list the litigation by case name, name of court, case number, and jurisdiction, and for arbitration, list the organization administering, if any, its contact information, any case number assigned, the arbitrators, and the location of the arbitration. For litigation and arbitration, briefly describe the claims and status, and give contact information for the opposing party or parties.

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**CORPORATE STATUS FORM**

**ALL PROSPECTIVE FIRMS MUST RESPOND TO THE FOLLOWING**

If a limited liability company, limited liability partnership or a limited partnership, indicate by checking one: \_\_\_\_\_ Limited Liability Company

\_\_\_\_\_ Limited liability partnership Limited

\_\_\_\_\_ partnership

Have you registered with the Virginia State Corporation Commission, to conduct business in Virginia?

Yes     No

Name and address of organizer: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

List who is authorized to execute contracts:

\_\_\_\_\_

If conducting business under an assumed (fictitious) business name, fill out the following information:

Names of persons or entities owning business using assumed business name: \_\_\_\_\_

Owners' addresses: \_\_\_\_\_

Registration date: \_\_\_\_\_ Expires: \_\_\_\_\_

If conducting business as a sole proprietorship, general partnership, or joint venture, fill out the following information:

Names of all persons liable for obligations of the business: \_\_\_\_\_

Addresses of such persons: \_\_\_\_\_

\_\_\_\_\_

**CERTIFICATION OF NONDISCRIMINATION AND ANTI-COLLUSION**

By submitting their bids, all bidders certify to the City of Lynchburg, VA that they will conform to the provisions of the Federal Civil Rights Act of 1964, as amended, as well as the Virginia Fair Employment Contracting Act of 1975, as amended, where applicable, the Virginia's With Disabilities Act, the Americans With Disabilities Act, Section 2.2-4311 of the Virginia Public Procurement Act, and the Lynchburg Procurement Ordinance:

In every contract over \$10,000, the provisions below apply:

- 1. 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 any other basis prohibited by state law relating to discrimination in employment, except where there is 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 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.
- 2. 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.

Certified by: \_\_\_\_\_ (*corporate seal*)

Date: \_\_\_\_\_

Note: I hereby certify that this bid is not the result of, or affected by, any act of collusion with another person engaged in the same line of business, or any act of fraud punishable under the Virginia Commonwealth Frauds Act.

\_\_\_\_\_ (*seal*)

Acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_

\_\_\_\_\_  
Notary Public

My commission expires: \_\_\_\_\_

## CONSTRUCTION AGREEMENT

This Construction Agreement (the "Contract") made and entered into on the \_\_\_\_\_ day of \_\_\_\_\_, 2018, by and between \_\_\_\_\_, party of the first part, hereinafter referred to as Contractor, and the City of Lynchburg, a municipal corporation of the Commonwealth of Virginia, party of the second part, hereinafter referred to as the Owner or City.

That the Contractor, for the consideration hereinafter fully set out, hereby agrees with the Owner as follows:

1. That the Contractor shall furnish all labor, materials, tools, and equipment and perform all Work in manner and form for the **2018 Municipal Construction Contract**, as contained in the Project Manual and all other specifications as referenced in these documents, including all addenda.

2. That the Contractor shall commence Work within ten (10) days after award of the Contract and Notice to Proceed with the Work under Contract, and shall proceed with the project. Owner and Contractor recognize that time is of the essence of this Agreement and that the Owner will suffer financial loss if the Work is not completed within the times specified in the Notice to Proceed, plus any extensions thereof. They also recognize the delays, expense and difficulties involved in providing the actual loss suffered by Owner if the Work is not completed on time. Accordingly, instead of requiring any such proof, Owner and Contractor agree that as liquidated damages for certain losses Owner is expected to suffer due to delay (but not as a penalty) Contractor shall pay Two Hundred Dollars (\$200.00) for each day that expires after the time specified for completion. If the Contractor is subject to liquidated damages, the City has the right, but not the obligation, to withhold the liquidated damages from the Contractor's regular payments or retainage. Rights and obligations relating to these liquidated damages are set out more fully in the General Conditions.

3. The Owner hereby agrees to pay the Contractor for the faithful performance of this Contract in accordance with the Contract Documents, subject to additions and deductions as provided in the Contract Documents, in lawful money of the United States, as follows:

\_\_\_\_\_ Dollars  
(\$ \_\_\_\_\_)

4. The Owner shall make partial payment on a monthly basis to the Contractor in accordance with the Contract Documents on the basis of a duly certified and approved estimate of work performed during the preceding calendar month by the Contractor, less five percent (5%) of the amount of such estimate which may be retained by the Owner until all Work has been performed strictly in accordance with the Contract Documents and until such Work has been accepted by the Owner.

5. Upon submission by the Contractor of evidence satisfactory to the Owner that all payrolls, material bills and other costs incurred by the Contractor in connection with the construction of the Work have been paid in full, final payment on account of this Agreement shall be made within 90 days after the completion by the Contractor of all work covered by this Agreement and the acceptance of such work by the Owner.



6. It is further mutually agreed between the parties hereto that if, at any time after the execution of this Agreement and Surety Bond hereto attached for its faithful performance, the Owner shall deem the surety or sureties upon such bond to be unsatisfactory, or if for any reason, such bond ceases to be adequate to cover the performance of the work, the Contractor shall at its expense, within five (5) days after the receipt of notice from the Owner so to do, furnish an additional bond or bonds in such form and amount, and with such surety or sureties as shall be satisfactory to the owner. In such event no further payment to the Contractor shall be deemed to be due under this Agreement until such new or additional security for the faithful performance of the Work shall be furnished in manner and form satisfactory to the Owner.

7. Contractor agrees to fulfill all requirements of state, Federal, and municipal laws which may be applicable to this project.

This Agreement is executed in two counterparts, each of which shall, without proof or accounting for the other counterparts, be deemed an original contract.

IN WITNESS WHEREOF, \_\_\_\_\_ has caused its name to be subscribed to this Agreement by \_\_\_\_\_, its \_\_\_\_\_, and its corporate seal to be hereunto affixed and attested by \_\_\_\_\_, its \_\_\_\_\_, said officers being duly authorized therefore; and the City of Lynchburg has caused its name to be hereunto subscribed by Bonnie M. Svrcek, City Manager, and its corporate seal to be hereunto affixed and attested by Valeria Chambers, its Clerk of Council, said officers being duly authorized therefore, all as to the day and year first above written.

CONTRACTOR

(SEAL)

BY: \_\_\_\_\_  
Contractor/Principal

\_\_\_\_\_  
ATTEST:

CITY OF LYNCHBURG

(SEAL)

BY: \_\_\_\_\_  
Bonnie M. Svrcek  
City Manager

\_\_\_\_\_  
ATTEST:

\_\_\_\_\_  
Clerk of Council

**CITY OF LYNCHBURG, VIRGINIA  
STANDARD PERFORMANCE BOND**

KNOW ALL MEN BY THESE PRESENTS: That \_\_\_\_\_  
\_\_\_\_\_, the Contractor ("Principal"), whose principal place  
of business is located at \_\_\_\_\_  
\_\_\_\_\_ and \_\_\_\_\_ ("Surety"), are  
held and firmly bound unto the City of Lynchburg, Virginia, the Owner ("Obligee"), in the amount of  
\_\_\_\_\_ Dollars  
( \$ \_\_\_\_\_ ) for the payment whereof Principal and Surety bind themselves, their heirs, executors,  
administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS,

Principal has, entered into a Construction Agreement with Obligee for certain work on a construction project known as **2018 Municipal Construction Contract**, which contract (the "Contract") is by reference expressly made a part hereof;

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that, if the Principal shall promptly and faithfully perform said Contract in strict conformity with the plans, specifications and conditions of the Contract and its Contract Documents, then this obligation shall be null and void; otherwise it shall remain in full force and effect.

Provided, that any alterations which may be made in the terms of the Contract, or in the Work to be done under it, or the giving by the Obligee of any extension of time for the performance of the Contract, or any other alterations, extensions or forbearance on the part of either or both of the Obligee or the Principal to the other shall not in any way release the Principal and the Surety, or either of them, their heirs, executors, administrators, successors or assigns, from their liability hereunder, notice to the Surety of any such alterations, extensions, or forbearance being hereby waived.

No action shall be brought on this bond unless brought within one year after: (a) completion of the Contract and all Work thereunder, including expiration of all warranties and guarantees, or (b) discovery of the defect or breach of warranty or guarantee if the action be for such.

The Surety represents to the Principal and to the Obligee that it is legally authorized to do business in the Commonwealth of Virginia.

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_, 2018.

\_\_\_\_\_  
Contractor/Principal (SEAL)

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

Witness: \_\_\_\_\_

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

\_\_\_\_\_  
Surety (SEAL)

By: \_\_\_\_\_  
Attorney -in-Fact

My Power of Attorney is recorded in the Clerks Office of the Circuit Court of \_\_\_\_\_, Virginia in Deed Book \_\_\_\_\_, Page \_\_\_\_\_, and has not been revoked.

\_\_\_\_\_  
Attorney-in-Fact

**AFFIDAVIT AND ACKNOWLEDGEMENT OF ATTORNEY-IN-FACT**

COMMONWEALTH OF VIRGINIA

(or, alternatively, Commonwealth or State of \_\_\_\_\_)

CITY/COUNTY OF \_\_\_\_\_ to wit:

I, the undersigned notary public, do certify that \_\_\_\_\_ personally appeared before me in the jurisdiction aforesaid and made oath that he is the attorney-in-fact of, the Surety, that he is duly authorized to execute on its behalf the aforesaid Bond(s) as its act and deed.

Given under my hand this \_\_\_\_\_ day of \_\_\_\_\_ 2018.

\_\_\_\_\_  
Notary Public (SEAL)

My Commission expires: \_\_\_\_\_

APPROVED:

\_\_\_\_\_  
City Attorney/Designee Date

**CITY OF LYNCHBURG  
STANDARD LABOR AND MATERIAL PAYMENT BOND**

KNOW ALL MEN BY THESE PRESENTS: That \_\_\_\_\_  
\_\_\_\_\_, the Contractor ("Principal") whose principal  
place of business is located at \_\_\_\_\_  
\_\_\_\_\_ and \_\_\_\_\_  
\_\_\_\_\_ ("Surety") are held and firmly bound unto the City of Lynchburg,  
Virginia, the Owner ("Obligee") in the amount of \_\_\_\_\_ Dollars  
( \$ \_\_\_\_\_ ) for the payment whereof Principal and Surety bind themselves, their heirs,  
executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS,

Principal has by written agreement dated \_\_\_\_\_ entered into a Construction Agreement  
with Obligee for **2018 Municipal Construction Contract**, which contract (the "Contract") is by reference  
expressly made a part hereof;

NOW THEREFORE, THE CONDITION OF THIS OBLIGATION is such that, if the Principal shall  
promptly make payment to all claimants as hereinafter defined, for labor performed and material  
furnished in the prosecution of the Work provided for in the Contract and its Contract Documents, then  
this obligation shall be void; otherwise it shall remain in full force and effect, subject, however, to the  
following conditions.

The Principal and Surety, jointly and severally, hereby agree with Obligee as follows:

1. A claimant is defined as one having a direct contract with the Principal or with a subcontractor of  
the Principal for labor, material, or both for use in the performance of the Contract. A  
"subcontractor" of the Principal, for the purposes of this bond only, includes not only those  
subcontractors having a direct contractual relationship with the Principal but also any other  
contractor who undertakes to participate in the Work which the Principal is to perform under the  
aforesaid Contract, whether there are one or more intervening subcontractors contractually  
positioned between it and the Principal (for example, a subcontractor). "Labor" and "material"  
shall include, but not be limited to, public utility services and reasonable rentals of equipment, but  
only for periods when the equipment rented is actually used at the Work site.
2. Subject to the provisions of paragraph 3, any claimant who has performed labor or furnished  
material in accordance with the Contract Documents in the prosecution of the Work provided in  
the Contract, who has not been paid in full therefore before the expiration of ninety (90) days after  
the day on which such claimant performed the last of such labor or furnished the last of such

materials for which he claims payment, may bring an action on this bond to recover any amount due him for such labor or material, and may prosecute such action to final judgment and have execution on the judgment. The Obligee need not be a party to such action and shall not be liable for the payment of any costs, fees or expenses of any such suit.

3. Any claimant who has a direct contractual relationship with any subcontractor of the Principal from whom the Principal has not required a subcontractor payment bond, but who has no contractual relationship, express or implied, with the Principal, may bring an action on this bond only if he has given written notice to the Principal within one hundred eighty (180) days from the day on which the claimant performed the last of the labor or furnished the last of the materials for which he claims payment, stating with substantial accuracy the amount claimed and the name of the person for whom the Work was performed or to whom the material was furnished. Notice to the Principal shall be served by registered or certified mail, postage prepaid, in an envelope addressed to the Principal at any place where his office is regularly maintained for the transaction of business. Claims for sums withheld as retainages with respect to labor performed or materials furnished shall not be subject to the time limitations stated in this paragraph 3.
4. No suit or action shall be commenced hereunder by any claimant.
  - a. Unless brought within one year after the day on which the person bringing such action last performed labor or last furnished or supplied materials, it being understood, however, that if any limitation embodied in this bond is prohibited by any law controlling the construction hereof, the limitation embodied within this bond shall be deemed to be amended so as to be equal to the minimum period of limitation permitted by such law.
  - b. Other than in a Virginia court of competent jurisdiction, with venue as provided by statute, or in the United States District Court for the district in which the project, or any part thereof is situated.
5. The amount of this bond shall be reduced by and to the extent of any payment or payments made in good faith hereunder.
6. This bond is intended to comply with the requirements and to afford all the benefits of a payment bond consistent with the requirements of Virginia Code § 2-2-4337 and § 2-2-4341. To the extent that those sections as they are in effect as of the date of issuance of this bond confer any requirements on Principal or Surety, or confer any additional benefits on any claimant (as the term "claimant" is used within either the meaning of those sections or this bond), those requirements and benefits shall be deemed to be incorporated into and be part of this bond.

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

\_\_\_\_\_  
(SEAL)  
Contractor/ Principal

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

Witness: \_\_\_\_\_

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

\_\_\_\_\_  
Surety (SEAL)

By: \_\_\_\_\_  
Attorney-in-Fact

Typed Name: \_\_\_\_\_

My Power of Attorney is recorded in the Clerks Office of the Circuit Court of \_\_\_\_\_ Virginia in Deed Book \_\_\_\_\_, Page \_\_\_\_\_, and has not been revoked.

\_\_\_\_\_  
Attorney-in-Fact

AFFIDAVIT AND ACKNOWLEDGEMENT OF ATTORNEY-IN-FACT COMMONWEALTH OF VIRGINIA (or, alternatively, Commonwealth or State of \_\_\_\_\_)  
CITY / COUNTY OF \_\_\_\_\_

I, the undersigned notary public, do certify that \_\_\_\_\_ personally appeared before me in the jurisdiction aforesaid and made oath that he is the attorney-in-fact of \_\_\_\_\_, the Surety, that he is duly authorized to execute on its behalf the foregoing bond pursuant to the Power of Attorney noted above, and on behalf of said Surety, acknowledged the aforesaid bond(s) as its act and deed.

Given under my hand this \_\_\_\_\_ day of \_\_\_\_\_.

\_\_\_\_\_  
(SEAL)  
Notary Public

My Commission expires: \_\_\_\_\_

APPROVED:

\_\_\_\_\_  
City Attorney/Designee Date

**BID FORM**

Stephanie Suter, Procurement Manager  
City of Lynchburg, Procurement Department  
Third Floor, City Hall  
900 Church St.  
Lynchburg, Virginia 24504

The undersigned, as bidder, hereby declares that the only persons interested in this bid as principal, or principals, is or are named herein and that no person other than herein mentioned has any interest in this bid or in the Consturction Agreement to be entered into; that this bid is made without connection with any other person, company, or parties making a bid; and that it is in all respects fair and in good faith, without collusion or fraud.

The undersigned, having carefully studied all the Contract Documents, including the Manual of Specifications and Standard Details for the City of Lynchburg, latest edition, and the Project Manual for the City of Lynchburg, 2018 Municipal Construction Contract, and applicable sections of the VDOT Road and Bridge Specifications, latest edition. Having examined the site and local conditions affecting the work, hereby proposes to furnish all plant, labor, equipment, materials, and services and to perform all operations necessary to execute and complete the work required for the project, in strict accordance with the Drawings, Specifications and Project Manual together with Addenda numbered \_\_\_\_\_ through \_\_\_\_\_, issued during bidding period and hereby acknowledged, subject to the terms and conditions of the Construction Agreement for the lump sum of:

**TOTAL BASE BID:**

**Section I** (Roadway, Grading, Paving, and Concrete Work): \$ \_\_\_\_\_

**Section II** (Water and Sewer): \$ \_\_\_\_\_

**Section III** (Storm): \$ \_\_\_\_\_

The above shall be referred to here in after as the Base Bids. Contractors will indicate a unit price for each item listed for each section bid. The listed bid items are to contain all necessary cost required for completion of the referenced projects.

The Base Bid is founded upon furnishing equipment and materials of specified manufacturers. Substitute equipment or materials of other manufacturers may be offered for consideration in accordance with Division 1 - General Requirements.

It is understood and agreed that the Owner, in protecting its best interest, reserves the right to reject any or all bids, or waive any defects. Any changes, erasures, modifications, deletions in the bid form, or alternate proposals not specified in the Advertisements for Bids may make the bid irregular and subject to rejection.

If the Construction Agreement is for unit prices and not for a lump sum price, it it understood that all quantities listed on the following pages are estimated quantities, and the Owner reserves the right to raise, lower, or eliminate any quantity or item and in any case the unit prices shall be used in determining partial and final payments. It is further understood that costs to cover all components of Work as described in the Contract Documents are included in this bid, even in cases where specific line items are not identified.

The City reserves the right to award separate contracts for Total Base Bid Section I and Section II or all to one contractor if it is in the best interest of the City.

We are properly equipped to execute work of the character and extent indicated by the Contract Documents and we will enter into the Construction Agreement for the execution and completion of the Work in accordance with the Contract Documents.

Enclosed herewith is the following Security, offered as evidence that the undersigned will enter into the Construction Agreement for the execution and completion of the Work in accordance with the Contract Documents:

Bidder's Certified Check issued by: \_\_\_\_\_ (name of bank)

In the amount of: \$ \_\_\_\_\_ (5% of Base Bid amount)

Bidder's Bid Bond for 5% of Base Bid Amount Issued by: \_\_\_\_\_  
(name of surety authorized to do business in Virginia).

The undersigned hereby agrees, if awarded the Construction Agreement, to execute and deliver to the City within ten (10) days after receipt of the Notice of Award, a Performance Bond and a Payment Bond, in forms satisfactory to the City, from sureties authorized to do business in Virginia satisfactory to the City, in the amount of one hundred (100) percent of the Base Bid.

The undersigned further agrees that, in case of failure on his part to execute the said Construction Agreement within ten (10) days after written notice being given on the award of the Construction Agreement or the failure to deliver the required performance and payment bonds within the ten (10) days, the monies payable by the Security accompanying this bid shall be paid to the City of Lynchburg, Virginia, as liquidated damages for such failure; otherwise, the securities accompanying this Bid shall be returned to the undersigned.

The undersigned further certifies that this bid is not the result of, or affected by, any act of collusion with another person engaged in the same line of business, or any act punishable under the Virginia Governmental Frauds Act, or other law.

This Bid remains valid and may not be withdrawn for a period of 120 days from this date.

Respectfully submitted,

CURRENT VIRGINIA CLASS A CONTRACTOR'S LICENSE NO.: \_\_\_\_\_

\_\_\_\_\_  
CONTRACTOR

\_\_\_\_\_  
DATE

\_\_\_\_\_  
ADDRESS

\_\_\_\_\_  
TELEPHONE

\_\_\_\_\_  
E-MAIL ADDRESS

BY: \_\_\_\_\_

TITLE: \_\_\_\_\_





**Street Improvements**

**2018 Annual Contract - Section I**

<b>ITEM NO.</b>	<b>M&amp;P SECTION</b>	<b>DESCRIPTION</b>	<b>QTY</b>	<b>UNIT</b>	<b>UNIT COST</b>	<b>TOTAL COST</b>
IA-1	01200/1.8	Clearing and Grubbing, Lightly Wooded Areas	3	A		
IA-2	01200/1.8	Clearing and Grubbing, Heavily Wooded Areas	3	A		
IA-3	01200/1.5	Offsite Borrow	300	c.y.		
IA-4	01200/1.5	Regular Excavation	300	c.y.		
IA-5	01200/1.5	Rock Excavation	10	c.y.		
IA-6	01200/1.5	Concrete cut and removal	50	s.y.		
IA-7	01200/1.5	Undercut Excavation	25	c.y.		
IA-8	01200/1.6	Pavement cut and removal	50	s.y.		
IA-9	01200/1.6	Aggregate. base stone for surface treated pavement repair, 10" compacted layer (Pavement Repair or Street Rehab)	50	s.y.		
IA-10	01200/1.6	Aggregate. base stone, 4" compacted layer (Pavement Repair or Street Rehab)	50	s.y.		
IA-11	01200/1.6	Aggregate. base stone, 7" compacted layer (Pavement Repair or Street Rehab)	50	s.y.		
IA-12	01200/1.6	Asphalt Concrete Base, Type BM25(A or D), 4" compacted layer (Pavement Repair or Street Rehab)	50	s.y.		
IA-13	01200/1.6	Asphalt Concrete Base, Type BM25(A or D), 6" compacted layer (Pavement Repair or Street Rehab)	50	s.y.		
IA-14	01200/1.6	Asphalt Concrete Base, Type BM25(A or D), 8" compacted layer (Pavement Repair or Street Rehab)	50	s.y.		
IA-15	01200/1.6	Asphalt Concrete Surface, Type 9.5(D), 1 ½" compacted layer (Pavement Repair or Street Rehab)	50	s.y.		
IA-16	01200/1.6	Asphalt Concrete Surface, Type 12.5(D), 2" compacted layer (Pavement Repair or Street Rehab)	50	s.y.		
IA-17	01200/1.6	Paved Driveway Repair	200	s.y.		
IA-18	01200/1.6	Temporary Pavement Repair (Pavement Repair or Street Rehab)	50	s.y.		
IA-19	01200/1.6	Aggr. Base Course, Type I, size 21 or 21A, 6" compacted layer	500	s.y.		
IA-20	01200/1.6	Aggr. Base Course, Type I, size 21 or 21A, 4" compacted layer	100	s.y.		
IA-21	01200/1.6	Portland Cement Treated Aggregate 6" compacted layer	100	s.y.		
IA-22	01200/1.6	Type I, aggregate stone for shoulder restoration after paving (Aggregate base course)	100	T		
IA-23	01200/1.1	Compacted Aggregate Backfill	50	T		
IA-24	01200/1.1	Course Granular Aggregate Backfill	50	T		
IA-25	01200/1.1	Foundation Stone, VDOT #1	10	T		
IA-26	01200/1.6	Maintenance stone for pipe installation, compacted VDOT 21A	50	s.y.		
IA-27	01200/1.1	Stone Dust for pipe installation, spread as directed	50	T		
IA-28	01200/1.1	Trench (select) borrow backfill for pipe installation	100	c.y.		
IA-29	01200/1.6	RC-250 for sealing or surface treatment	300	s.y.		
IA-30	01200/1.6	CRS-2 for sealing or surface treatment	300	s.y.		
IA-31	01200/1.6	No. 78 or 8 cover stone	50	s.y.		
IA-32	01200/1.6	No. 78 Yellow driveway stone (Glasgow Stone)	10	s.y.		

**Street Improvements**

**2018 Annual Contract - Section I**

IA-33	01200/1.6	Pavement Reinforcing Fabric	200	s.y.		
IA-34	01200/1.6	Asphalt Concrete Pavement type SM-9.0 A	200	T		
IA-35	01200/1.6	Asphalt Concrete Pavement type SM-9.5 A	200	T		
IA-36	01200/1.6	Asphalt Concrete Pavement type SM-9.0 D	200	T		
IA-37	01200/1.6	Asphalt Concrete Pavement type SM-9.5 D	200	T		
IA-38	01200/1.6	Asphalt Concrete Pavement type SM-12.5 A	200	T		
IA-39	01200/1.6	Asphalt Concrete Pavement type SM-12.5 D	200	T		
IA-40	01200/1.6	Asphalt Concrete Pavement type IM-19.0 D	200	T		
IA-41	01200/1.6	Asphalt Concrete Pavement type BM-25.0	200	T		
IA-42	01200/1.6	Pavement profiling (< 750 s.y.)	1000	s.y.		
IA-43	01200/1.6	Pavement profiling (> 750 s.y.)	2000	s.y.		
IA-44	N/A	Adjusting water meter boxes	2	ea.		
IA-45	01200/1.6	Installation of manhole adjusting rings (provided by contractor)	10	ea.		
IA-46	01200/1.6	Installation of manhole adjusting rings (provided by City)	10	ea.		
IA-47	01200/1.6	Installation of valve box adjusting rings (provided by contractor)	10	ea.		
IA-48	01200/1.6	Installation of valve box adjusting rings (provided by City)	10	ea.		
IA-49	01200/1.6	Manhole frame & cover replacement (provided by City )	10	ea.		
IA-50	01200/1.6	Manhole frame & cover replacement (provided by contractor )	10	ea.		
IA-51	01200/1.6	Valve box replacement (provided by contractor )	10	ea.		
IA-52	01200/1.6	Valve box replacement (provided by City )	10	ea.		
IA-53	01200/1.1	Pavement cut and removal, Asphalt Concrete (for pipe installation)	50	s.y.		
IA-54	01200/1.1	Pavement cut and removal, Unreinforced Concrete (for pipe installation)	50	s.y.		
IA-55	01200/1.1	Pavement cut and removal, Reinforced Concrete (for pipe installation)	10	s.y.		
IA-56	01200/1.7	New concrete curb & gutter, City Standard	100	l.f.		
IA-57	01200/1.7	Replacement of concrete curb & gutter, City Standard	100	l.f.		
IA-58	01200/1.7	New concrete curb & gutter, VDOT Standard CG-6	100	l.f.		
IA-59	01200/1.7	Replacement of concrete curb & gutter, VDOT Standard CG-6	100	l.f.		
IA-60	01200/1.7	New VDOT Standard concrete curb, CG-2	100	l.f.		
IA-61	01200/1.7	Replacement of straight curb with VDOT Standard CG-2	50	l.f.		
IA-62	01200/1.7	New City standard straight curb with footer	50	l.f.		
IA-63	01200/1.7	Replacement of City standard straight curb with footer	50	l.f.		
IA-64	01200/1.7	New Concrete driveways, entrances, and sidewalks, 7" thick	50	s.y.		
IA-65	01200/1.7	Replacement of Concrete driveways, entrances, and sidewalks, 7" thick	50	s.y.		
IA-66	01200/1.7	New Concrete Sidewalk, 4" thick	100	s.y.		
IA-67	01200/1.7	Replacement of Concrete Sidewalk, 4" thick	100	s.y.		
IA-68	01200/1.7	Facedown Concrete Curb	100	l.f.		
IA-69	01200/1.7	New Concrete Handicap Ramp	25	s.y.		
IA-70	01200/1.7	Replacement of Concrete Handicap Ramp	25	s.y.		

Street Improvements

2018 Annual Contract - Section I

IA-71	01200/1.7	Detectable warning panel with truncated dome (new construction)	5	ea.		
IA-72	01200/1.7	Detectable warning panel with truncated dome (existing sidewalk)	5	ea.		
IA-73	01200/1.8	Unformed Concrete	5	c.y.		
IA-74	01200/1.8	Formed Concrete	10	c.y.		
IA-75	01200/1.7	New concrete paved ditch, PG-2A, including reinforcing wire	25	s.y.		
IA-76	01200/1.7	New concrete paved ditch, PG-4, including reinforcing wire	10	s.y.		
IA-77	01200/1.7	New concrete paved ditch, PG-5, including reinforcing wire	10	s.y.		
IA-78	01200/1.8	Flowable fill	25	c.y.		
IA-79	01200/1.6	Asphalt concrete curb (asphalt berm)	100	l.f.		
IA-80	01200/1.6	Bit concrete paved flumes, walks etc., 4" thick	10	s.y.		
IA-81	01200/1.7	Tree well in Sidewalk	1	ea.		
IA-82	01200/1.7	Concrete Parking Blocks	1	ea.		
IA-83	01200/1.7	Reinforcing Wire Mesh (6"X6", 10 GA)	25	s.y.		
IA-84	01200/1.7	Reinforcing Steel Bars	100	lbs.		
IA-85	01200/1.7	VDOT Handrail, HR-1	10	l.f.		
IA-86	01200/1.4	Precast Drop Inlet VDOT Standard DI-1, "H" =2 ft.	2	ea.		
IA-87	01200/1.4	Extra depth for DI-1 for "H" > 2 ft.	4	l.f.		
IA-88	01200/1.4	Precast Drop Inlet VDOT Standard DI-7, "H" =2 ft., (includes grate A or B)	2	ea.		
IA-89	01200/1.4	Extra depth for DI-7, "H" > 2 ft.	4	l.f.		
IA-90	01200/1.4	Precast Drop Inlet VDOT Standard DI-2A, "H" = 2 ft., "L" = 2.5 ft.	2	ea.		
IA-91	01200/1.4	Extra depth for DI-2A, "H" > 2 ft.	4	l.f.		
IA-92	01200/1.4	Precast Drop Inlet VDOT Standard DI-2B, "H" = 2 ft., "L" = 4 ft.	2	ea.		
IA-93	01200/1.4	Extra length opening for DI-2B for "L" > 4 ft.	5	l.f.		
IA-94	01200/1.4	Extra depth for DI-2B, "H" > 2 ft.	10	l.f.		
IA-95	01200/1.4	Precast Drop Inlet VDOT Standard DI-2C "H" = 2 ft., "L" = 6 ft.	2	ea.		
IA-96	01200/1.4	Extra length opening for DI-2C for "L" > 6 ft.	5	l.f.		
IA-97	01200/1.4	Extra depth for DI-2C for "H" > 2 ft.	4	l.f.		
IA-98	01200/1.4	Precast Drop Inlet VDOT Standard DI-3A, "H" = 2 ft., "L" = 2.5 ft.	2	ea.		
IA-99	01200/1.4	Extra depth for DI-3A, "H" > 2 ft.	4	l.f.		
IA-100	01200/1.4	Precast Drop Inlet VDOT Standard DI-3B, "H" = 2 ft., "L" = 4 ft.	2	ea.		
IA-101	01200/1.4	Extra length opening for DI-3B for "L" > 4 ft.	5	l.f.		
IA-102	01200/1.4	Extra depth for DI-3B, "H" > 2 ft.	10	l.f.		
IA-103	01200/1.4	Precast Drop Inlet VDOT Standard DI-3C, "H" = 2 ft., "L" = 6 ft.	2	ea.		
IA-104	01200/1.4	Extra length opening for DI-3C for "L" > 6 ft.	5	l.f.		
IA-105	01200/1.4	Extra depth for DI-3C for "H" > 2 ft.	4	l.f.		
IA-106	01200/1.4	Concrete manhole, 48" dia.	10	l.f.		
IA-107	01200/1.4	Concrete manhole, 60" dia.	5	l.f.		
IA-108	01200/1.4	Concrete manhole, 72" dia.	5	l.f.		
IA-109	01200/1.4	Concrete manhole, 84" dia.	5	l.f.		
IA-110	01200/1.2	Drop manhole increase "DH" (Drop height, interior)	5	l.f.		

**Street Improvements**

**2018 Annual Contract - Section I**

IA-111	01200/1.2	Drop manhole increase "DH" (Drop height, exterior)	5	l.f.		
IA-112	01200/1.2&1.4	Doghouse Manhole	5	l.f.		
IA-113	01200/1.2	Manhole frame & cover (Waterproof)	5	ea.		
IA-114	01200/1.2	Manhole frame & cover (Standard)	5	ea.		
IA-115	01200/1.2& 1.4	Precast concrete riser ring	5	v.f.		
IA-116	01200/1.2&1.4	Manhole abandonment (to include inlets)	5	ea.		
IA-117	01200/1.4	12" Class III, Reinforced concrete pipe	25	l.f.		
IA-118	01200/1.4	15" Class III, Reinforced concrete pipe	25	l.f.		
IA-119	01200/1.4	18" Class III, Reinforced concrete pipe	25	l.f.		
IA-120	01200/1.4	24" Class III, Reinforced concrete pipe	25	l.f.		
IA-121	01200/1.4	27" Class III, Reinforced concrete pipe	50	l.f.		
IA-122	01200/1.4	30" Class III, Reinforced concrete pipe	50	l.f.		
IA-123	01200/1.4	36" Class III, Reinforced concrete pipe	50	l.f.		
IA-124	01200/1.4	42" Class III, Reinforced concrete pipe	75	l.f.		
IA-125	01200/1.4	48" Class III, Reinforced concrete pipe	75	l.f.		
IA-126	01200/1.4	60" Class III, Reinforced concrete pipe	100	l.f.		
IA-127	01200/1.4	12" flared end section, for concrete pipe	2	ea.		
IA-128	01200/1.4	15" flared end section, for concrete pipe	2	ea.		
IA-129	01200/1.4	18" flared end section, for concrete pipe	2	ea.		
IA-130	01200/1.4	24" flared end section, for concrete pipe	2	ea.		
IA-131	01200/1.4	27" flared end section, for concrete pipe	2	ea.		
IA-132	01200/1.4	30" flared end section, for concrete pipe	2	ea.		
IA-133	01200/1.4	36" flared end section, for concrete pipe	2	ea.		
IA-134	01200/1.4	42" flared end section, for concrete pipe	2	ea.		
IA-135	01200/1.4	48" flared end section, for concrete pipe	2	ea.		
IA-136	01200/1.4	EW-1 (12" pipe)	2	ea.		
IA-137	01200/1.4	EW-1 (15" pipe)	2	ea.		
IA-138	01200/1.4	EW-1 (18" pipe)	2	ea.		
IA-139	01200/1.4	EW-1 (24" pipe)	2	ea.		
IA-140	01200/1.4	EW-1 (27" pipe)	2	ea.		
IA-141	01200/1.4	EW-1 (30" pipe)	2	ea.		
IA-142	01200/1.4	EW-1 (36" pipe)	2	ea.		
IA-143	01200/1.4	EW-2 (48" pipe)	2	ea.		
IA-144	01200/1.4	EW-2 (60" pipe)	2	ea.		
IA-145	01200/1.1	Trench Rock for pipe installation	50	c.y.		
IA-146	01200/1.1	Extra depth excavation (Std. Depth to 16 feet)	100	c.y.		
IA-147	01200/1.1	Extra depth excavation (greater than 16 feet)	25	c.y.		
IA-148	01200/1.8	Temporary Seeding (Fall/Winter Mix)	1000	s.y.		
IA-149	01200/1.8	Seeding and fine grading for areas < 500 s.y.	1000	s.y.		
IA-150	01200/1.8	Seeding and fine grading for areas >500 s.y.	2000	s.y.		
IA-151	01200/1.8	VDOT EC-2	100	s.y.		
IA-152	01200/1.8	Silt fence barrier	500	l.f.		
IA-153	01200/1.8	Straw bale barrier	100	l.f.		
IA-154	01200/1.8	Construction Entrance	100	T		
IA-156	01200/1.8	Drop inlet silt trap	10	ea.		
IA-157	01200/1.8	Dry rip-rap Class I	50	T		
IA-158	01200/1.8	Grouted rip-rap Class I	10	T		
IA-159	01200/1.8	Dry rip-rap Class II	50	T		
IA-160	01200/1.8	Grouted rip-rap Class II	10	T		
IA-161	01200/1.8	Dry rip-rap, graded, Class A1	100	T		
IA-162	01200/1.8	Grouted rip-rap, graded, Class A1	100	T		
IA-163	N/A	Guardrail (GR-2), galvanized 6", I Beam points	100	l.f.		
IA-164	N/A	Guardrail Terminal (GR-6)	1	ea.		

**Street Improvements**

**2018 Annual Contract - Section I**

IA-165	N/A	Guardrail Terminal (GR-7)	1	ea.			
IA-166	N/A	Guardrail Terminal ( GR-9 )	1	ea.			
IA-167	N/A	Guardrail removal and reinstallation	100	l.f.			
IA-168	01200/1.8	Horizontal Control Monument (Detail 25.23)	10	ea.			
IA-169	01200/1.1.4	12" polypropylene pipe, dual wall	25	l.f.			
IA-170	01200/1.1.4	15" polypropylene pipe, dual wall	25	l.f.			
IA-171	01200/1.1.4	18" polypropylene pipe, dual wall	25	l.f.			
IA-172	01200/1.1.4	24" polypropylene pipe, dual wall	25	l.f.			
IA-173	01200/1.1.4	30" polypropylene pipe, dual wall	50	l.f.			
IA-174	01200/1.1.4	30" polypropylene pipe, triple wall	50	l.f.			
IA-175	01200/1.1.4	36" polypropylene pipe, triple wall	50	l.f.			
IA-176	01200/1.1.4	42" polypropylene pipe, triple wall	75	l.f.			
IA-177	01200/1.1.4	48" polypropylene pipe, triple wall	75	l.f.			
IA-178	01200/1.1.4	60" polypropylene pipe, triple wall	100	l.f.			
			<b>SECTION TOTAL:</b>				

Extra Work

2018 Annual Contract Section I

ITEM NO.	M&P SECTION	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL COST
IB-1	N/A	Single axle dump truck	40	hrs.		
IB-2	N/A	Tandem axle dump truck	40	hrs.		
IB-3	N/A	Track loader (Model cat 955)	40	hrs.		
IB-4	N/A	Rubber tired loader (Model Cat 930)	40	hrs.		
IB-5	N/A	Backhoe (wheel type model Case 580)	40	hrs.		
IB-6	N/A	Backhoe (crawler type model 225)	40	hrs.		
IB-7	N/A	Motor Grader (Cat 12F or 12G)	40	hrs.		
IB-8	N/A	Farm tractor (35 H.P.)	10	hrs.		
IB-9	N/A	Pan ( 15 c.y. capacity)	5	hrs.		
IB-10	N/A	Rubber tired roller	5	hrs.		
IB-11	N/A	Steel wheel roller (3 to 5 ton)	10	hrs.		
IB-12	N/A	Vibratory roller	40	hrs.		
IB-13	N/A	Power broom	40	hrs.		
IB-14	N/A	Asphalt saw	10	hrs.		
IB-15	N/A	Flashing Directional arrow	40	hrs.		
IB-16	N/A	Air Compressor (including attachments)	10	hrs.		
IB-17	N/A	Man power (Labor & Supervision)	200	hrs.		
IB-18	N/A	Traffic Cushion Truck	10	hrs.		
IB-19	N/A	Lighted Barrel	100	Ea./day		
IB-20	N/A	Type II Barricade	50	Ea./day		
IB-21	N/A	Type III Barricade	10	Ea./day		
IB-22	N/A	Pilot truck	40	hrs.		
<b>SECTION TOTAL:</b>						

Patches

2018 Annual Contract Section I

ITEM NO.	M&P SECTION	DESCRIPTION	QTY	PROPOSED QTY ADJUSTMENT	UNIT	UNIT COST	TOTAL COST	
IC-1	01200/1.6	Type A - Trench patch - Asphalt Streets (Arterial & Industrial)	10		s.y.			
IC-2	01200/1.6	Type B - Trench patch - Asphalt Streets (Collector)	10		s.y.			
IC-3	01200/1.6	Type C - Trench patch - Asphalt Streets (Residential)	10		s.y.			
IC-4	01200/1.6	Type D - Trench patch - Concrete Streets (Arterial & Industrial)	10		s.y.			
IC-5	01200/1.6	Type E - Trench patch - Concrete Streets (Collector)	10		s.y.			
IC-6	01200/1.6	Type F - Trench patch - Concrete Streets (Residential)	10		s.y.			
IC-7	01200/1.6	Type G - Trench patch - Temporary	10		s.y.			
IC-8	01200/1.6	Type H - Trench patch, Historic District	10		s.y.			
IC-9	01200/1.6	Type I - Trench patch, Historic District	10		s.y.			
IC-10	01200/1.6	Type J - Trench patch - Asphalt Streets (Permanent-Residential)	50		s.y.			
IC-11	01200/1.6	Type J - Trench patch - Asphalt Streets (Permanent-Collector)	50		s.y.			
			<b>SECTION TOTAL:</b>					
			<b>Division A</b>					
			<b>Division B</b>					
			<b>Division C</b>					
			<b>TOTAL BASE BID:</b>					



## Water

## 2018 Annual Contract Section II

ITEM NO.	M&P SECTION	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL COST
IIA-1	01200/1.3	4" water pipe (P.O.J.)	50	l.f.		
IIA-2	01200/1.3	6" water pipe (P.O.J.)	300	l.f.		
IIA-3	01200/1.3	8" water pipe (P.O.J.)	2,000	l.f.		
IIA-4	01200/1.3	10" water pipe (P.O.J.)	100	l.f.		
IIA-5	01200/1.3	12" water pipe (P.O.J.)	500	l.f.		
IIA-6	01200/1.3	16" water pipe (P.O.J.)	500	l.f.		
IIA-7	01200/1.3	18" water pipe (P.O.J.)	200	l.f.		
IIA-8	01200/1.3	20" water pipe (P.O.J.)	100	l.f.		
IIA-9	01200/1.3	24" water pipe (P.O.J.)	100	l.f.		
IIA-10	01200/1.3	4" water pipe (M.J.)	50	l.f.		
IIA-11	01200/1.3	6" water pipe (M.J.)	100	l.f.		
IIA-12	01200/1.3	8" water pipe (M.J.)	1,000	l.f.		
IIA-13	01200/1.3	10" water pipe (M.J.)	50	l.f.		
IIA-14	01200/1.3	12" water pipe (M.J.)	500	l.f.		
IIA-15	01200/1.3	16" water pipe (M.J.)	500	l.f.		
IIA-16	01200/1.3	18" water pipe (M.J.)	100	l.f.		
IIA-17	01200/1.3	20" water pipe (M.J.)	100	l.f.		
IIA-18	01200/1.3	24" water pipe (M.J.)	100	l.f.		
IIA-19	01200/1.3	Fittings (Accessories included)	4,000	lbs.		
IIA-20	01200/1.3	4" MJ valves & boxes	2	ea.		
IIA-21	01200/1.3	6" MJ valves & boxes	25	ea.		
IIA-22	01200/1.3	8" MJ valves & boxes	30	ea.		
IIA-23	01200/1.3	10" MJ valves & boxes	2	ea.		
IIA-24	01200/1.3	12" MJ valves & boxes	5	ea.		
IIA-25	01200/1.3	16" butterfly valve Class 150	2	ea.		
IIA-26	01200/1.3	18" butterfly valve Class 150	2	ea.		
IIA-27	01200/1.3	20" butterfly valve Class 150	2	ea.		
IIA-28	01200/1.3	24" butterfly valve Class 150	2	ea.		
IIA-29	01200/1.3	16" butterfly valve Class 250	2	ea.		
IIA-30	01200/1.3	18" butterfly valve Class 250	2	ea.		
IIA-31	01200/1.3	20" butterfly valve Class 250	2	ea.		
IIA-32	01200/1.3	24" butterfly valve Class 250	2	ea.		
IIA-33	01200/1.3	6" wet tap	5	ea.		
IIA-34	01200/1.3	8" wet tap	5	ea.		
IIA-35	01200/1.3	10" wet tap	5	ea.		
IIA-36	01200/1.3	12" wet tap	2	ea.		
IIA-37	01200/1.3	16" wet tap	2	ea.		
IIA-38	01200/1.3	3/4" or 1" water services (open cut)	1,500	l.f.		
IIA-39	01200/1.3	2" water services (open cut)	100	l.f.		
IIA-40	01200/1.3	3/4" or 1" water services (by jacking or boring)	100	l.f.		
IIA-41	01200/1.3	2" water services (by jacking or boring)	25	l.f.		
IIA-42	01200/1.3	Tie rods (3/4")	500	l.f.		
IIA-43	01200/1.3	Mega- Lugs	500	lbs.		
IIA-44	01200/1.3	Fire hydrants (high & low pressure, 4' standard bury)	15	ea.		
IIA-45	01200/1.3	Fire hydrant barrel extension for depths greater than 4' (high & low pressure)	15	v.f.		
IIA-46	01200/1.3	3/4" & 1" Meter Boxes and Meter Assemblies (new construction)	50	ea.		
IIA-47	01200/1.3	3/4" & 1" Meter Boxes and Meter Assemblies (replacement of existing connection)	10	ea.		
IIA-48	01200/1.3	2" Meter Boxes and Meter Assemblies	5	ea.		
IIA-49	01200/1.3	Comb. 1" or 2" Air Release Valve Assembly	5	ea.		
IIA-50	01200/1.3	Manhole for Air Release/Vacuum valves & other water valves	10	l.f.		

**Water****2018 Annual Contract Section II**

IIA-51	01200/1.3	2" Tie-in	5	ea.		
IIA-52	01200/1.3	2" waterline abandonment (cut and cap)	10	ea.		
IIA-53	01200/1.3	4" waterline abandonment (cut and cap)	10	ea.		
IIA-54	01200/1.3	6" waterline abandonment (cut and cap)	10	ea.		
IIA-55	01200/1.3	8" waterline abandonment (cut and cap)	10	ea.		
IIA-56	Supplementa l Specs	Fire hydrant abandonment	10	ea.		
					<b>SECTION TOTAL:</b>	

## Sanitary

## 2018 Annual Contract Section II

ITEM NO.	M&P SECTION	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL COST
IIB-1	01200/1.2	6" PVC sewer pipe	500	l.f.		
IIB-2	01200/1.2	8" PVC sewer pipe	1,500	l.f.		
IIB-3	01200/1.2	10" PVC sewer pipe	100	l.f.		
IIB-4	01200/1.2	12" PVC sewer pipe	100	l.f.		
IIB-5	01200/1.2	24" Class III, RCP	50	l.f.		
IIB-6	01200/1.2	27" Class III, RCP	50	l.f.		
IIB-7	01200/1.2	30" Class III, RCP	50	l.f.		
IIB-8	01200/1.2	6" D.I. sewer pipe ( reg. lining )	50	l.f.		
IIB-9	01200/1.2	8" D.I. sewer pipe ( reg. lining )	500	l.f.		
IIB-10	01200/1.2	10" D.I. sewer pipe ( reg. lining )	200	l.f.		
IIB-11	01200/1.2	12" D.I. sewer pipe ( reg. lining )	100	l.f.		
IIB-12	01200/1.2	16" D.I. sewer pipe ( reg. lining )	50	l.f.		
IIB-13	01200/1.2	18" D.I. sewer pipe ( reg. lining )	50	l.f.		
IIB-14	01200/1.2	24" D.I. sewer pipe ( reg. lining )	50	l.f.		
IIB-15	01200/1.2	6" D.I. sewer pipe (Alumina/Protecto 401 lining)	100	l.f.		
IIB-16	01200/1.2	8" D.I. sewer pipe (Alumina/Protecto 401 lining)	500	l.f.		
IIB-17	01200/1.2	10" D.I. sewer pipe (Alumina/Protecto 401 lining)	200	l.f.		
IIB-18	01200/1.2	12" D.I. sewer pipe (Alumina/Protecto 401 lining)	100	l.f.		
IIB-19	01200/1.2	16" D.I. sewer pipe (Alumina/Protecto 401 lining)	50	l.f.		
IIB-20	01200/1.2	18" D.I. sewer pipe (Alumina/Protecto 401 lining)	50	l.f.		
IIB-21	01200/1.2	24" D.I. sewer pipe (Alumina/Protecto 401 lining)	50	l.f.		
IIB-22	01200/1.2	4" PVC (Building connection service pipe)	1,000	l.f.		
IIB-23	01200/1.2	6" PVC (Building connection service pipe)	100	l.f.		
IIB-24	01200/1.2	4" PVC Cleanout assembly	50	ea.		
IIB-25	01200/1.2	4" PVC (Cleanout vertical pipe)	100	l.f.		
IIB-26	01200/1.2	6" PVC Cleanout assembly	10	ea.		
IIB-27	01200/1.2	6" PVC (Cleanout vertical pipe)	50	l.f.		
IIB-28	01200/1.2	8" PVC vertical pipe for clean out or lampstack	50	l.f.		
IIB-29	01200/1.2	6" x 4" PVC wye	5	ea.		
IIB-30	01200/1.2	8" x 4" PVC wye	50	ea.		
IIB-31	01200/1.2	8" x 6" PVC wye	5	ea.		
IIB-32	01200/1.2	4" PVC Bends	25	ea.		
IIB-33	01200/1.2	6" PVC Bends	10	ea.		
IIB-34	01200/1.2	8" PVC Bends	25	ea.		
IIB-35	01200/1.2	Bored or jacked 4" PVC sewer pipe	100	l.f.		
IIB-36	01200/1.2	Bored or jacked 6" PVC sewer pipe	50	l.f.		
IIB-37	01200/1.2	Bored or jacked 8" PVC sewer pipe	200	l.f.		
IIB-38	01200/1.2	Bored or jacked 8" DI sewer pipe	200	l.f.		
IIB-39	01200/1.2	Bored or jacked 12" DI sewer pipe	50	l.f.		
IIB-40	01200/1.2	Lampstack frame and cover	5	ea.		
IIB-41	01200/1.2	6" X 4" D.I. Wye	2	ea.		
IIB-42	01200/1.2	8" X 4" D.I. wye	10	ea.		
IIB-43	01200/1.2	8" X 6" D.I. Wye	5	ea.		
IIB-44	01200/1.2	12" X 4" D.I. wye	2	ea.		
IIB-45	01200/1.2	12" X 6" D.I. wye	10	ea.		
IIB-46	01200/1.2	Service saddle on existing line (4" and 6" tap)	5	ea.		
IIB-47	01200/1.2	Concrete Manhole (sewer) 48" diameter	150	l.f.		
IIB-48	01200/1.2	Machine Coring Manholes	10	ea.		
IIB-49	01200/1.2	Rehab of exist sewer using 8-inch flexible liner	1000	l.f.		
IIB-50	01200/1.2	Rehab of exist sewer using 10-inch flexible liner	100	l.f.		
IIB-51	01200/1.2	Rehab of exist sewer using 12-inch flexible liner	400	l.f.		

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IIB-52	01200/1.2	Rehab of exist sewer using 15-inch flexible liner	400	l.f.		
IIB-53	01200/1.2	Rehab of exist sewer using 18-inch flexible liner	400	l.f.		
IIB-54	01200/1.2	Rehab of exist sewer using 24-inch flexible liner	300	l.f.		
IIB-55	01200/1.2	Reinstatement of 4-inch lined lateral	150	ea.		
IIB-56	01200/1.2	Reinstatement of 6-inch lined lateral	50	ea.		
IIB-57	01200/1.2	Rehab of exist manholes, cementitious type (in developed areas)	400	v.f.		
IIB-58	01200/1.2	Rehab of exist manholes, cementitious type (in undeveloped/ unmaintained areas)	400	v.f.		
IIB-59	01200/1.2	Replacement of internal manhole seal (in developed areas)	15	ea.		
IIB-60	01200/1.2	Replacement of external manhole seal (in developed areas)	15	ea.		
IIB-61	01200/1.2	Replacement of internal manhole seal (in undeveloped/unmaintained areas)	5	ea.		
IIB-62	01200/1.2	Replacement of external manhole seal (in undeveloped/ unmaintained areas)	5	ea.		
IIB-63	01200/1.2	Bypass Pumping- 4 inch pump (250gpm-1000gpm)	30	days		
IIB-64	01200/1.2	Bypass Pumping- 6 inch pump (1000gpm-2000gpm)	30	days		
IIB-65	01200/1.2	Bypass Pumping mobilization/de-mobilization for a 4 or 6 inch pump/pipe (<300 l.f.)	6	ea.		
IIB-66	01200/1.2	Bypass Pumping- mobilization/de-mobilization for a 4 and 6 inch pump/pipe (300 l.f.-1000 l.f.)	6	ea.		
IIB-67	01200/1.2	Low pressure force main (1-1/4"-2" HDPE) - Excavator method	200	l.f.		
IIB-68	01200/1.2	Low pressure force main (1-1/4"-2" HDPE) - Ditchwitch method	500	l.f.		
IIB-69	01200/1.2	Low pressure force main flushing cleanout (terminal assembly)	5	ea.		
IIB-70	01200/1.2	Low pressure force main lateral connection	15	ea.		
IIB-71	01200/1.2	Low pressure force main terminal connection to existing manhole	5	ea.		
			<b>SECTION TOTAL:</b>			

## Storm

## 2018 Annual Contract Section II

ITEM NO.	M&P SECTION	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL COST
IIC-1	01200/1.4	12" Class III, reinforced concrete pipe	100	l.f.		
IIC-2	01200/1.4	15" Class III, reinforced concrete pipe	100	l.f.		
IIC-3	01200/1.4	18" Class III, reinforced concrete pipe	50	l.f.		
IIC-4	01200/1.4	24" Class III, reinforced concrete pipe	50	l.f.		
IIC-5	01200/1.4	27" Class III, reinforced concrete pipe	25	l.f.		
IIC-6	01200/1.4	30" Class III, reinforced concrete pipe	25	l.f.		
IIC-7	01200/1.4	36" Class III, reinforced concrete pipe	25	l.f.		
IIC-8	01200/1.4	42" Class III, reinforced concrete pipe	25	l.f.		
IIC-9	01200/1.4	48" Class III, reinforced concrete pipe	25	l.f.		
IIC-10	01200/1.4	60" Class III, reinforced concrete pipe	25	l.f.		
IIC-11	01200/1.4	Precast Drop Inlet, VDOT Standard DI-1, "H" = 2 ft.	2	ea.		
IIC-12	01200/1.4	Extra depth for DI-1 for "H" > 2 ft.	4	l.f.		
IIC-13	01200/1.4	Precast Drop Inlet, VDOT Standard DI-7, "H" = 2 ft. (includes grate A or B)	2	ea.		
IIC-14	01200/1.4	Extra depth for DI-7, "H" > 2 ft.	4	l.f.		
IIC-15	01200/1.4	Precast Drop Inlet, VDOT Standard DI-2A, "H" = 2 ft., "L" = 2.5 ft.	2	ea.		
IIC-16	01200/1.4	Extra depth for DI-2A, "H" > 2 ft.	4	l.f.		
IIC-17	01200/1.4	Precast Drop Inlet, VDOT Standard DI-2B, "H" = 2 ft., "L" = 4 ft.	2	ea.		
IIC-18	01200/1.4	Extra Length opening for DI-2B for "L" > 4 ft.	5	l.f.		
IIC-19	01200/1.4	Extra Depth for DI-2B for "H" > 2 ft.	8	l.f.		
IIC-20	01200/1.4	Precast Drop Inlet, VDOT Standard DI-2C for "H" = 2 ft., "L" = 6 ft.	2	ea.		
IIC-21	01200/1.4	Extra Length opening for DI-2C for "L" > 6 ft.	5	l.f.		
IIC-22	01200/1.4	Extra Depth for DI-2C for "H" > 2 ft.	8	l.f.		
IIC-23	01200/1.4	Precast Drop Inlet, VDOT Standard DI-3A, "H"=2 ft. "L"=2.5"	2	ea.		
IIC-24	01200/1.4	Extra depth for DI-3A, "H" > 2 ft.	4	l.f.		
IIC-25	01200/1.4	Precast Drop Inlet, VDOT Standard DI-3B, "L" = 4ft. "H"=2 ft.	2	ea.		
IIC-26	01200/1.4	Extra length opening for DI-3B for "L" > 4 ft.	5	l.f.		
IIC-27	01200/1.4	Extra depth for DI-3B, for "H" > 2 ft.	8	l.f.		
IIC-28	01200/1.4	Precast Drop Inlet, VDOT Standard DI-3C, "H" = 2 ft., "L" =6ft.	2	ea.		
IIC-29	01200/1.4	Extra length opening for DI-3C for "L" > 6 ft.	4	l.f.		
IIC-30	01200/1.4	Extra depth for DI-3C, for "H">2 ft.	4	l.f.		
IIC-31	01200/1.4	Concrete Manhole (storm), 48" diameter	10	l.f.		
IIC-32	01200/1.4	Concrete Manhole (storm), 60" diameter	10	l.f.		
IIC-33	01200/1.4	Concrete Manhole (storm), 72" diameter	5	l.f.		
IIC-34	01200/1.4	Concrete Manhole (storm), 84" diameter	5	l.f.		
IIC-35	01200/1.4	12" Flared end section for concrete pipe	1	ea.		
IIC-36	01200/1.4	15" Flared end section for concrete pipe	1	ea.		
IIC-37	01200/1.4	18" Flared end section for concrete pipe	1	ea.		
IIC-38	01200/1.4	24" Flared end section for concrete pipe	1	ea.		
IIC-39	01200/1.4	27" Flared end section for concrete pipe	1	ea.		
IIC-40	01200/1.4	30" Flared end section for concrete pipe	1	ea.		
IIC-41	01200/1.4	36" Flared end section for concrete pipe	1	ea.		
IIC-42	01200/1.4	42" Flared end section for concrete pipe	1	ea.		
IIC-43	01200/1.4	48" Flared end section for concrete pipe	1	ea.		
IIC-44	01200/1.4	EW-1 (12" pipe)	2	ea.		
IIC-45	01200/1.4	EW-1 (15" pipe)	2	ea.		
IIC-46	01200/1.4	EW-1 (18" pipe)	2	ea.		
IIC-47	01200/1.4	EW-1 (24" pipe)	2	ea.		
IIC-48	01200/1.4	EW-1 (27" pipe)	2	ea.		

**Storm**

**2018 Annual Contract Section II**

IIC-49	01200/1.4	EW-1 (30" pipe)	2	ea.		
IIC-50	01200/1.4	EW-1 (36" pipe)	2	ea.		
IIC-51	01200/1.4	EW-2 (48" pipe)	2	ea.		
IIC-52	01200/1.4	EW-2 (60" pipe)	2	ea.		
IIC-53	02720/2.1.4	12" polypropylene pipe, dual wall	25	l.f.		
IIC-54	02720/2.1.4	15" polypropylene pipe, dual wall	25	l.f.		
IIC-55	02720/2.1.4	18" polypropylene pipe, dual wall	25	l.f.		
IIC-56	02720/2.1.4	24" polypropylene pipe, dual wall	25	l.f.		
IIC-57	02720/2.1.4	30" polypropylene pipe, dual wall	25	l.f.		
IIC-58	02720/2.1.4	30" polypropylene pipe, triple wall	25	l.f.		
IIC-59	02720/2.1.4	36" polypropylene pipe, triple wall	25	l.f.		
IIC-60	02720/2.1.4	42" polypropylene pipe, triple wall	25	l.f.		
IIC-61	02720/2.1.4	48" polypropylene pipe, triple wall	25	l.f.		
IIC-62	02720/2.1.4	60" polypropylene pipe, triple wall	25	l.f.		
			<b>SECTION TOTAL:</b>			

## Miscellaneous

## 2018 Annual Contract Section II

ITEM NO.	M&P SECTION	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL COST
IID-1	01200/1.8	Clearing and Grubbing, Lightly Wooded Areas	25	A		
IID-2	01200/1.8	Clearing and Grubbing, Heavily Wooded Areas	25	A		
IID-3	01200/1.8	Tree Removal (6" to 15" in diameter)	10	ea.		
IID-4	01200/1.8	Tree Removal (over 15" in diameter)	10	ea.		
IID-5	01200/1.2	Drop manhole increase "DH", Drop height (Sewer, interior)	20	l.f.		
IID-6	01200/1.2	Drop manhole increase "DH", Drop height (Sewer, exterior)	20	l.f.		
IID-7	01200/1.2 & 1.4	Doghouse Manhole (Storm & Sewer)	20	l.f.		
IID-8	01200/1.2	Manhole frame and cover, Waterproof (Water, Sewer, & Storm)	10	ea.		
IID-9	01200/1.2	Manhole frame and cover, Standard (Water, Sewer, & Storm)	30	ea.		
IID-10	01200/1.2 & 1.4	Manhole Precast Concrete Riser Ring	10	v.f.		
IID-11	01200/1.2 & 1.4	Manhole Abandonment (to include any inlets)	10	ea.		
IID-12	01200/1.2	Manhole Scour Protective Coating (8 foot standard depth)	10	ea.		
IID-13	01200/1.1	Pavement cut & removal, asphalt concrete (for pipe installation)	500	s.y.		
IID-14	01200/1.1	Pavement cut & removal, unreinforced concrete (for pipe installation)	100	s.y.		
IID-15	01200/1.1	Pavement cut & removal, Reinforced concrete (for pipe installation)	25	s.y.		
IID-16	01200/1.1	Rock excavation (trench rock)	300	c.y.		
IID-17	01200/1.5	Regular excavation	50	c.y.		
IID-18	01200/1.1	Extra depth excavation (Std. depth to 16 feet)	1,000	c.y.		
IID-19	01200/1.1	Extra depth excavation (greater than 16 feet)	100	c.y.		
IID-20	1200	Aggregate Base Stone for Paved Driveway Repair (6 in. layer)	200	s.y.		
IID-21	1200	Aggregate Base Stone for Gravel Driveway Repair (6 in. layer)	200	s.y.		
IID-22	01200/1.1	Compacted Aggregate Backfill	250	T		
IID-23	01200/1.1	Course Granular Aggregate Backfill	250	T		
IID-24	01200/1.1	Foundation Stone, VDOT #1	50	T		
IID-25	N/A	Railroad Ballast	50	T		
IID-26	01200/1.6	Maintenance Stone for pipe installation 6" compacted layer, VDOT 21A	500	s.y.		
IID-27	01200/1.1	Stone dust (spread as directed)	200	T		
IID-28	01200/1.1	Trench (Select) Borrow Backfill	500	c.y.		
IID-29	01200/1.8	Seeding and fine grading, < 500 s.y.	2,000	s.y.		
IID-30	01200/1.8	Seeding and fine grading, > 500 s.y.	4,000	s.y.		
IID-31	01200/1.8	Temporary Seeding (Fall/Winter Mix)	1,000	s.y.		
IID-32	01200/1.8	VDOT EC-2	500	s.y.		
IID-33	01200/1.8	Silt Fence Barrier	500	l.f.		
IID-34	01200/1.8	Straw bale barrier	100	l.f.		
IID-35	01200/1.8	Construction Entrance	100	T		
IID-36	01200/1.8	Drop inlet silt trap	10	ea.		
IID-37	01200/1.8	Dry Riprap Class I	500	T		
IID-38	01200/1.8	Grouted Riprap Class I	250	T		
IID-39	01200/1.8	Dry Riprap Class II	250	T		

## Miscellaneous

## 2018 Annual Contract Section II

IID-40	01200/1.8	Grouted Riprap Class II	50	T		
IID-41	01200/1.8	Dry Riprap, graded, Class A1	500	T		
IID-42	01200/1.8	Grouted Riprap, graded, Class A1	100	T		
IID-43	01200/1.8	Unformed Concrete	100	c.y.		
IID-44	01200/1.8	Formed Concrete	50	c.y.		
IID-45	01200/1.7	New Concrete sidewalk, 4" thick	100	s.y.		
IID-46	01200/1.7	Replacement of concrete sidewalk, 4" thick	100	s.y.		
IID-47	01200/1.7	New Concrete driveways, entrances, and sidewalks, 7" thick	100	s.y.		
IID-48	01200/1.7	Replacement of Concrete driveways, entrances, and sidewalks, 7" thick	100	s.y.		
IID-49	01200/1.7	New concrete curb & gutter, City Standard	100	l.f.		
IID-50	01200/1.7	Replacement of concrete curb & gutter, City Standard	100	l.f.		
IID-51	01200/1.7	New concrete curb & gutter, VDOT Standard, CG-6	50	l.f.		
IID-52	01200/1.7	Replacement of concrete curb & gutter, VDOT Standard CG-6	50	l.f.		
IID-53	01200/1.7	New concrete curb, VDOT Standard CG-2	50	l.f.		
IID-54	01200/1.7	Replacement of VDOT Standard CG-2	50	l.f.		
IID-55	01200/1.7	New City standard straight curb with footer	50	l.f.		
IID-56	01200/1.7	Replacement of City standard straight curb with footer	50	l.f.		
IID-57	01200/1.7	Facedown concrete curb	100	l.f.		
IID-58	01200/1.7	New Concrete Handicap Ramp	100	s.y.		
IID-59	01200/1.7	Replacement of Concrete Handicap Ramp	100	s.y.		
IID-60	01200/1.7	Detectable warning panel with truncated dome (New Construction)	10	ea.		
IID-61	01200/1.7	Detectable warning panel with truncated dome (Existing Sidewalk)	10	ea.		
IID-62	01200/1.7	Concrete paved ditch, PG-2A, including reinforcing wire (New)	25	s.y.		
IID-63	01200/1.7	Concrete paved ditch, PG-4, including reinforcing wire (New)	10	s.y.		
IID-64	01200/1.7	Concrete paved ditch, PG-5, including reinforcing wire (New)	10	s.y.		
IID-65	01200/1.8	Flowable Fill	100	c.y.		
IID-66	N/A	Brick or stone sidewalk removal and reinstallation of existing	50	s.y.		
IID-67	01200/1.7	Tree well in Sidewalk	2	ea.		
IID-68	01200/1.7	Reinforcing steel bars	500	lbs.		
IID-69	01200/1.7	Reinforcing wire mesh (6"X6", 10 GA)	100	s.y.		
IID-70	01200/1.2	4-inch "Fernco" type coupling	25	ea.		
IID-71	01200/1.2	6-inch "Fernco" type coupling	25	ea.		
IID-72	01200/1.2	8-inch "Fernco" type coupling	25	ea.		
IID-73	01200/1.2	10-inch "Fernco" type coupling	10	ea.		
IID-74	01200/1.2	12-inch "Fernco" type coupling	10	ea.		
IID-75	01200/1.2	8-inch "Harco" rigid "Fernco" coupling	10	ea.		
IID-76	01200/1.2	10-inch "Harco" rigid "Fernco" coupling	10	ea.		
IID-77	01200/1.2	12-inch "Harco" rigid "Fernco" coupling	10	ea.		
IID-78	01200/1.3	8-inch Flexible coupling	10	ea.		
IID-79	01200/1.3	10-inch Flexible coupling	10	ea.		
IID-80	01200/1.3	12-inch Flexible coupling	10	ea.		
IID-81	01200/1.3	Asbestos Cement Pipe Removal (12 l.f. or less)	5	ea.		
IID-82	01200/1.3	Asbestos Cement Pipe Removal (Greater than 12 l.f.)	20	l.f.		



Miscellaneous

2018 Annual Contract Section II

IID-83	01200/1.3	Division valve marker	5	ea.		
IID-84	N/A	Guardrail removal and reinstallation	250	l.f.		
IID-85	01200/1.6	Paved Driveway Repair	200	s.y.		
IID-86	01200/1.8	Horizontal Control Monument (Detail 25.23)	10	ea.		
IID-87	01200/1.6	Asphalt Concrete Curb (Asphalt Berm)	100	l.f.		
<b>SECTION TOTAL:</b>						

Extra Work

2018 Annual Contract Section II

ITEM NO.	M&P SECTION	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL COST
IIE-2	N/A	Tandem axle dump truck	200	hrs.		
IIE-3	N/A	Track loader (Model CAT 955)	100	hrs.		
IIE-4	N/A	Rubber tired loader (Model CAT 930)	200	hrs.		
IIE-5	N/A	Backhoe (wheel type Model CASE 580D)	200	hrs.		
IIE-6	N/A	Mini Excavator (Crawler Type 100 series)	100	hrs.		
IIE-7	N/A	Medium Excavator (Crawler Type 200 series)	50	hrs.		
IIE-8	N/A	Large Excavator (Crawler type 300 series)	50	hrs.		
IIE-9	N/A	Motor grader CAT 12F or 12G	50	hrs.		
IIE-10	N/A	Farm Tractor (35 h.p.) w/ implements	12	hrs.		
IIE-11	N/A	Pan (15 c.y. capacity)	25	hrs.		
IIE-12	N/A	Power broom	25	hrs.		
IIE-13	N/A	Asphalt saw	12	hrs.		
IIE-14	N/A	Flashing directional arrow	50	hrs.		
IIE-15	N/A	Air compressor (including attachments)	25	hrs.		
IIE-16	N/A	Manpower (labor & supervision)	1000	hrs.		
IIE-17	N/A	Concrete Ram Hoe	12	hrs.		
IIE-18	N/A	Vaccum Excavator	5	hrs.		
IIE-19	N/A	Bobcat Excavator	25	hrs.		
IIE-20	N/A	Lighted Barrel	75	hrs.		
IIE-21	N/A	Type II Barricades	50	ea./day		
IIE-22	N/A	Type III Barricades	5	ea./day		
IIE-23	N/A	Portable Message Board	15	ea./day		
IIE-24	N/A	Chipper for clearing	50	hrs.		
<b>SECTION TOTAL:</b>						

Patches

2018 Annual Contract Section II

ITEM NO.	M&P SECTION	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL COST
IIF-1	01200/1.6	Type A - Trench patch - Asphalt Streets (Arterial & Industrial)	50	s.y.		
IIF-2	01200/1.6	Type B - Trench patch - Asphalt Streets (Collector)	50	s.y.		
IIF-3	01200/1.6	Type C - Trench patch - Asphalt Streets (Residential)	100	s.y.		
IIF-4	01200/1.6	Type C - Trench Patch - without surface course	50	s.y.		
IIF-5	01200/1.6	Type D - Trench patch – Concrete Streets (Arterial & Industrial)	25	s.y.		
IIF-6	01200/1.6	Type E - Trench patch - Concrete Streets (Collector)	25	s.y.		
IIF-7	01200/1.6	Type F - Trench patch - Concrete Streets (Residential)	25	s.y.		
IIF-8	01200/1.6	Type G - Trench patch - Temporary	50	s.y.		
IIF-9	01200/1.6	Type H - Trench patch, Historic District	25	s.y.		
IIF-10	01200/1.6	Type I - Trench patch, Historic District	25	s.y.		
IIF-11	01200/1.6	Type J – Trench patch, Asphalt Streets (Permanent-Residential)	50	s.y.		
IIF-12	01200/1.6	Type J – Trench patch, Asphalt Streets (Permanent-Collector)	50	s.y.		
<b>SECTION TOTAL:</b>						
				<b>Division A</b>		
				<b>Division B</b>		
				<b>Division C</b>		
				<b>Division D</b>		
				<b>Division E</b>		
				<b>Division F</b>		
<b>TOTAL BASE BID:</b>						

Item No.	Description	Unit	Unit Cost
II-SBS	4" D.I. Water Line Pipe (P.O.J.) Class 51	L.F.	
II-SBS	4" D.I. Water Line Pipe (P.O.J.) Class 52	L.F.	
II-SBS	4" D.I. Water Line Pipe (P.O.J.) Class 55	L.F.	
II-SBS	6" D.I. Water Line Pipe (P.O.J.) Class 51	L.F.	
II-SBS	6" D.I. Water Line Pipe (P.O.J.) Class 52	L.F.	
II-SBS	6" D.I. Water Line Pipe (P.O.J.) Class 55	L.F.	
II-SBS	8" D.I. Water Line Pipe (P.O.J.) Class 51	L.F.	
II-SBS	8" D.I. Water Line Pipe (P.O.J.) Class 52	L.F.	
II-SBS	8" D.I. Water Line Pipe (P.O.J.) Class 55	L.F.	
II-SBS	10" D.I. Water Line Pipe (P.O.J.) Class 51	L.F.	
II-SBS	10" D.I. Water Line Pipe (P.O.J.) Class 52	L.F.	
II-SBS	10" D.I. Water Line Pipe (P.O.J.) Class 55	L.F.	
II-SBS	12" D.I. Water Line Pipe (P.O.J.) Class 51	L.F.	
II-SBS	12" D.I. Water Line Pipe (P.O.J.) Class 52	L.F.	
II-SBS	12" D.I. Water Line Pipe (P.O.J.) Class 55	L.F.	
II-SBS	16" D.I. Water Line Pipe (P.O.J.) Class 51	L.F.	
II-SBS	16" D.I. Water Line Pipe (P.O.J.) Class 52	L.F.	
II-SBS	16" D.I. Water Line Pipe (P.O.J.) Class 55	L.F.	
II-SBS	18" D.I. Water Line Pipe (P.O.J.) Class 51	L.F.	
II-SBS	18" D.I. Water Line Pipe (P.O.J.) Class 52	L.F.	
II-SBS	18" D.I. Water Line Pipe (P.O.J.) Class 55	L.F.	
II-SBS	20" D.I. Water Line Pipe (P.O.J.) Class 51	L.F.	
II-SBS	20" D.I. Water Line Pipe (P.O.J.) Class 52	L.F.	
II-SBS	20" D.I. Water Line Pipe (P.O.J.) Class 55	L.F.	
II-SBS	24" D.I. Water Line Pipe (P.O.J.) Class 51	L.F.	
II-SBS	24" D.I. Water Line Pipe (P.O.J.) Class 52	L.F.	
II-SBS	24" D.I. Water Line Pipe (P.O.J.) Class 55	L.F.	
II-SBS	8" Steel Sewer Pipe (wall thickness 0.187")	L.F.	
II-SBS	10" Steel Sewer Pipe (wall thickness 0.250")	L.F.	
II-SBS	12" Steel Sewer Pipe (wall thickness 0.250")	L.F.	
II-SBS	16" Steel Sewer Pipe (wall thickness 0.250")	L.F.	
II-SBS	18" Steel Sewer Pipe (wall thickness 0.250")	L.F.	
II-SBS	24" Steel Sewer Pipe (wall thickness 0.250")	L.F.	
II-SBS	30" Steel Sewer Pipe (wall thickness 0.250")	L.F.	
II-SBS	8" Mechanical Coupling Dresser Style 62	EA.	
II-SBS	10" Mechanical Coupling Dresser Style 62	EA.	
II-SBS	12" Mechanical Coupling Dresser Style 62	EA.	
II-SBS	16" Mechanical Coupling Dresser Style 62	EA.	
II-SBS	18" Mechanical Coupling Dresser Style 62	EA.	
II-SBS	24" Mechanical Coupling Dresser Style 62	EA.	
II-SBS	30" Mechanical Coupling Dresser Style 62	EA.	
II-SBS	Installing 6" Casing Pipe by Jacking or Boring	L.F.	
II-SBS	Installing 8" Casing Pipe by Jacking or Boring	L.F.	
II-SBS	Installing 12" Casing Pipe by Jacking or Boring	L.F.	
II-SBS	Installing 14" Casing Pipe by Jacking or Boring	L.F.	
II-SBS	Installing 16" Casing Pipe by Jacking or Boring	L.F.	
II-SBS	Installing 18" Casing Pipe by Jacking or Boring	L.F.	
II-SBS	Installing 20" Casing Pipe by Jacking or Boring	L.F.	
II-SBS	Installing 22" Casing Pipe by Jacking or Boring	L.F.	
II-SBS	Installing 24" Casing Pipe by Jacking or Boring	L.F.	
II-SBS	Installing 26" Casing Pipe by Jacking or Boring	L.F.	
II-SBS	Installing 28" Casing Pipe by Jacking or Boring	L.F.	
II-SBS	Installing 30" Casing Pipe by Jacking or Boring	L.F.	

ITEM NO.	M&P SECTION	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL COST
IIIA-1	01200/1.3	6" water pipe (P.O.J.)	100	lf		
IIIA-2	01200/1.3	8" water pipe (P.O.J.)	500	lf		
IIIA-3	01200/1.3	6" water pipe (M.J.)	50	lf		
IIIA-4	01200/1.3	8" water pipe (M.J.)	500	lf		
IIIA-5	01200/1.3	fittings (accessories included)	3000	lbs		
IIIA-6	01200/1.3	6" MJ valves & boxes	10	ea		
IIIA-7	01200/1.3	8" MJ valves & boxes	20	ea		
IIIA-8	01200/1.3	8" wet tap	2	ea		
IIIA-9	01200/1.3	¾" or 1" water services (open cut)	200	lf		
IIIA-10	01200/1.3	¾" or 1" water services (by jacking or boring)	100	lf		
IIIA-11	01200/1.3	Tie rods (¾")	100	lf		
IIIA-12	01200/1.3	Mega-lugs	200	lbs		
IIIA-13	01200/1.3	¾" & 1" meter boxes & meter assemblies (replacement of existing connection)	5	ea		
111A-14	01200/1.3	2" waterline abandonment (cut & cap)	5	ea		
111A-15	01200/1.3	4" waterline abandonment (cut & cap)	5	ea		
111A-16	01200/1.3	6" waterline abandonment (cut & cap)	5	ea		
111A-17	01200/1.3	8" waterline abandonment (cut & cap)	5	ea		
111A-18	Supplemental Specs	Fire Hydrant abandonment	10	ea		
<b>SECTION TOTAL:</b>						

ITEM NO.	M&P SECTION	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL COST
IIIB-1	01200/1.2	6" PVC sewer pipe	200	lf		
IIIB-2	01200/1.2	8" PVC sewer pipe	500	lf		
IIIB-3	01200/1.2	8" D.I. sewer pipe (reg lining)	50	lf		
IIIB-4	01200/1.2	12" D.I. sewer pipe (reg lining)	50	lf		
IIIB-5	01200/1.2	8" D.I. sewer pipe (Alumina/Protecto 401 lining)	50	lf		
IIIB-6	01200/1.2	12" D.I. sewer pipe (Alumina/Protecto 401 lining)	50	lf		
IIIB-7	01200/1.2	4" PVC (building connection service pipe)	200	lf		
IIIB-8	01200/1.2	6" PVC (building connection service pipe)	50	lf		
IIIB-9	01200/1.2	4" PVC (Cleanout assembly)	20	ea		
IIIB-10	01200/1.2	4" PVC (Cleanout vertical pipe)	50	lf		
IIIB-11	01200/1.2	6" PVC (Cleanout assembly)	5	ea		
IIIB-12	01200/1.2	6" PVC (Cleanout vertical pipe)	20	lf		
IIIB-13	01200/1.2	6"x4" PVC wye	5	ea		
IIIB-14	01200/1.2	8"x4" PVC wye	20	ea		
IIIB-15	01200/1.2	8"x6" PVC wye	5	ea		
IIIB-16	01200/1.2	4" PVC bends	20	ea		
IIIB-17	01200/1.2	6" PVC bends	10	ea		
IIIB-18	01200/1.2	8" PVC bends	20	ea		
IIIB-19	01200/1.2	Concrete manhole (sewer) 48" diameter	100	lf		
IIIB-20	01200/1.2	Machine coring manholes	10	ea		
			<b>SECTION TOTAL:</b>			

ITEM NO.	M&P SECTION	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL COST
IIIC-1	01200/1.4	12" Class III, reinforced concrete pipe	100	lf		
IIIC-2	01200/1.4	15" Class III, reinforced concrete pipe	500	lf		
IIIC-3	01200/1.4	18" Class III, reinforced concrete pipe	500	lf		
IIIC-4	01200/1.4	24" Class III, reinforced concrete pipe	100	lf		
IIIC-5	01200/1.4	27" Class III, reinforced concrete pipe	50	lf		
IIIC-6	01200/1.4	30" Class III, reinforced concrete pipe	50	lf		
IIIC-7	01200/1.4	36" Class III, reinforced concrete pipe	50	lf		
IIIC-8	01200/1.4	42" Class III, reinforced concrete pipe	25	lf		
IIIC-9	01200/1.4	48" Class III, reinforced concrete pipe	25	lf		
IIIC-10	01200/1.4	60" Class III, reinforced concrete pipe	25	lf		
IIIC-11	01200/1.4	Precast Drop Inlet, VDOT Standard DI-1, "H" = 2 ft.	4	ea		
IIIC-12	01200/1.4	Extra depth for DI-1 for "H" >2 ft.	8	lf		
IIIC-13	01200/1.4	Precast drop inlet, VDOT Standard DI-1, "H" = 2 ft. (includes grate A or B)	5	ea		
IIIC-14	01200/1.4	Extra depth for DI-7, "H" > 2 ft.	8	lf		
IIIC-15	01200/1.4	Precast drop inlet, VDOT standard DI-2A, "H" = 2 ft.	5	ea		
IIIC-16	01200/1.4	Extra depth for DI-2A, "H" > 2 ft.	8	lf		
IIIC-17	01200/1.4	Precast drop inlet, VDOT standard DI-2B, "H" = 2 ft, "L" = 4 ft	5	ea		
IIIC-18	01200/1.4	Extra length opening for DI-2B for "L"> 4 ft.	10	lf		
IIIC-19	01200/1.4	Extra depth for DI-2B, for "H" > 2 ft.	16	lf		
IIIC-20	01200/1.4	Precast drop inlet, VDOT standard DI-2C for "H" = 2 ft., "L" = 6 ft.	5	ea		
IIIC-21	01200/1.4	Extra length opening for DI-2C for "L" > 6 ft.	10	lf		
IIIC-22	01200/1.4	Extra depth for DI-2C for "H" > 2 ft.	16	lf		
IIIC-23	01200/1.4	Precast drop inlet, VDOT standard DI-3A, "H" = 2 ft. "L" = 2.5"	5	ea		
IIIC-24	01200/1.4	Extra depth for DI-3A, "H" > 2 ft.	8	lf		
IIIC-25	01200/1.4	Precast drop inlet, VDOT standard DI-3B, "L" = 4 ft. "H" = 2 ft.	5	ea		
IIIC-26	01200/1.4	Extra length opening for DI-3B for "L" > 4 ft.	10	lf		
IIIC-27	01200/1.4	Extra depth for DI-3B, for "H" > 2 ft.	16	lf		
IIIC-28	01200/1.4	Precast drop inlet, VDOT standard DI-3C, "H" = 2 ft., "L" = 6 ft.	2	ea		
IIIC-29	01200/1.4	Extra length opening for DI-3C for "L" > 6 ft.	8	lf		
IIIC-30	01200/1.4	Extra depth for DI-3C, for "H" > 2 ft.	8	lf		
IIIC-31	01200/1.4	Concrete manhole (storm), 48" diameter	50	lf		
IIIC-32	01200/1.4	Concrete manhole (storm), 60" diameter	20	lf		
IIIC-33	01200/1.4	Concrete manhole (storm), 72" diameter	10	lf		
IIIC-34	01200/1.4	Concrete manhole (storm), 84" diameter	10	lf		
IIIC-35	01200/1.4	12" flared end section for concrete pipe	5	ea		
IIIC-36	01200/1.4	15" flared end section for concrete pipe	5	ea		
IIIC-37	01200/1.4	18" flared end section for concrete pipe	5	ea		
IIIC-38	01200/1.4	24" flared end section for concrete pipe	5	ea		
IIIC-39	01200/1.4	27" flared end section for concrete pipe	1	ea		
IIIC-40	01200/1.4	30" flared end section for concrete pipe	1	ea		
IIIC-41	01200/1.4	36" flared end section for concrete pipe	1	ea		
IIIC-42	01200/1.4	42" flared end section for concrete pipe	1	ea		
IIIC-43	01200/1.4	48" flared end section for concrete pipe	1	ea		
IIIC-44	01200/1.4	EW-1 (12" pipe)	4	ea		
IIIC-45	01200/1.4	EW-1 (15" pipe)	4	ea		

IIIC-46	01200/1.4	EW-1 (18" pipe)	4	ea			
IIIC-47	01200/1.4	EW-1 (24" pipe)	4	ea			
IIIC-48	01200/1.4	EW-1 (27" pipe)	4	ea			
IIIC-49	01200/1.4	EW-1 (30" pipe)	2	ea			
IIIC-50	01200/1.4	EW-1 (36" pipe)	2	ea			
IIIC-51	01200/1.4	EW-2 (48" pipe)	2	ea			
IIIC-52	01200/1.4	EW-2 (60" pipe)	2	ea			
IIIC-53	01200/1.4	12" polypropylene pipe, dual wall	100	lf			
IIIC-54	01200/1.4	15" polypropylene pipe, dual wall	200	lf			
IIIC-55	01200/1.4	18" polypropylene pipe, dual wall	1000	lf			
IIIC-56	01200/1.4	24" polypropylene pipe, dual wall	1000	lf			
IIIC-57	01200/1.4	30" polypropylene pipe, dual wall	100	lf			
IIIC-58	01200/1.4	30" polypropylene pipe, triple wall	100	lf			
IIIC-59	01200/1.4	36" polypropylene pipe, triple wall	100	lf			
IIIC-60	01200/1.4	42" polypropylene pipe, triple wall	100	lf			
IIIC-61	01200/1.4	48" polypropylene pipe, triple wall	200	lf			
IIIC-62	01200/1.4	60" polypropylene pipe, triple wall	200	lf			
			<b>SECTION TOTAL:</b>				



ITEM NO.	M&P SECTION	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL COST
IIID-1	01200/1.8	Clearing & grubbing, lightly wooded areas	10	A		
IIID-2	01200/1.8	Clearing & grubbing, heavily wooded areas	10	A		
IIID-3	01200/1.8	Tree removal (6" to 15" in diameter)	10	ea		
IIID-4	01200/1.8	Tree removal (over 15" in diameter)	10	ea		
IIID-5	01200/1.8	Doghouse manhole (storm & sewer)	20	lf		
IIID-6	01200/1.8	Manhole frame & cover, waterproof (water, sewer & storm)	10	ea		
IIID-7	01200/1.8	Manhole frame & cover, standard (water, sewer & storm)	30	ea		
IIID-8	01200/1.8	Manhole precast concrete riser ring	10	vf		
IIID-9	01200/1.8	Manhole abandonment (to include any inlets)	10	ea		
IIID-10	01200/1.8	Pavement cut & removal, asphalt concrete (for pipe installation)	500	sy		
IIID-11	01200/1.8	Pavement cut & removal, unreinforced concrete (for pipe installation)	100	sy		
IIID-12	01200/1.8	Pavement cut & removal, reinforced concrete (for pipe installation)	25	sy		
IIID-13	01200/1.8	Rock excavation (trench rock)	300	cy		
IIID-14	01200/1.8	Regular excavation	50	cy		
IIID-15	01200/1.8	Extra depth excavation (std depth to 16')	1000	cy		
IIID-16	01200/1.8	Extra depth excavation (greater than 16')	100	cy		
IIID-17	01200/1.8	Aggregate base stone for paved driveway repair (6" layer)	200	sy		
IIID-18	01200/1.8	Aggregate base stone for gravel driveway repair (6" layer)	200	sy		
IIID-19	01200/1.8	Compacted aggregate backfill	250	T		
IIID-20	01200/1.8	Course granular aggregate backfill	250	T		
IIID-21	01200/1.8	Foundation stone, VDOT #1	50	T		
IIID-22	01200/1.8	Maintenance stone for pipe installation 6" compacted layer, VDOT 21a	500	sy		
IIID-23	01200/1.8	Stone dust (spread as directed)	200	T		
IIID-24	01200/1.8	Trench (select) borrow backfill	500	cy		
IIID-25	01200/1.8	Seeding and fine grading, < 500 sy	2000	sy		
IIID-26	01200/1.8	Seeding and fine grading, > 500 sy	4000	sy		
IIID-27	01200/1.8	Temporary seeding (fall/winter mix)	1000	sy		
IIID-28	01200/1.8	VDOT EC-2	500	sy		
IIID-29	01200/1.8	Silt fence barrier	500	lf		
IIID-30	01200/1.8	Straw bale barrier	100	lf		
IIID-31	01200/1.8	Construction entrance	100	T		
IIID-32	01200/1.8	Drop inlet silt trap	10	ea		
IIID-33	01200/1.8	Dry rip rap class I	1000	T		
IIID-34	01200/1.8	Grouted rip rap class I	250	T		
IIID-35	01200/1.8	Dry rip rap class II	500	T		
IIID-36	01200/1.8	Grouted rip rap class II	50	T		
IIID-37	01200/1.8	Dry rip rap graded class A1	500	T		
IIID-38	01200/1.8	Grouted rip rap graded class A1	100	T		
IIID-39	01200/1.8	Unformed concrete	100	cy		
IIID-40	01200/1.8	formed concrete	50	cy		
IIID-41	01200/1.7	New concrete sidewalk, 4" thick	100	sy		
IIID-42	01200/1.7	Replacement of concrete sidewalk, 4" thick	100	sy		
IIID-43	01200/1.7	Replacement of concrete driveways, entrances & sidewalks, 7" thick	100	sy		

IIID-44	01200/1.7	New concrete curb & gutter, City standard	100	lf		
IIID-45	01200/1.7	Replacement of concrete curb & gutter, City standard	100	lf		
IIID-46	01200/1.7	New concrete curb & gutter, VDOT standard CG-6	50	lf		
IIID-47	01200/1.7	Replacement of concrete curb & gutter, VDOT standard CG-6	50	lf		
IIID-48	01200/1.7	New concrete curb, VDOT standard CG-2	50	lf		
IIID-49	01200/1.7	Replacement of VDOT standard CG-2	50	lf		
IIID-50	01200/1.7	New City standard straight curb with footer	50	lf		
IIID-51	01200/1.7	Replacement of City standard straight curb with footer	50	lf		
IIID-52	01200/1.7	Facedown concrete curb	100	lf		
IIID-53	01200/1.7	Replacement of concrete handicapped ramp	100	sy		
IIID-54	01200/1.7	Detectable warning panel with truncated dome (existing sidewalk)	10	ea		
IIID-55	01200/1.7	Concrete paved ditch, PG-2A, including reinforcing wire (New)	25	sy		
IIID-56	01200/1.7	Concrete paved ditch, PG-4, including reinforcing wire (New)	10	sy		
IIID-57	01200/1.7	Concrete paved ditch, PG-5, including reinforcing wire (New)	10	sy		
IIID-58	01200/1.8	Flowable fill	100	cy		
IIID-59	N/A	Brick or stone sidewalk removal and reinstallation of existing	50	sy		
IIID-60	01200/1.2	6" Fernco type coupling	25	ea		
IIID-61	01200/1.2	8" Fernco type coupling	25	ea		
IIID-62	01200/1.2	12" Fernco type coupling	10	ea		
IIID-63	N/A	Guard rail removal and reinstallation	250	lf		
IIID-64	01200/1.6	Paved driveway repair	200	sy		
IIID-65	01200/1.6	Asphalt concrete curb (asphalt berm)	100	lf		
			<b>SECTION TOTAL:</b>			

ITEM NO.	M&P SECTION	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL COST	
IIIE-1	N/A	Single axle dump truck	100	hrs			
IIIE-2	N/A	Tandem axle dump truck	100	hrs			
IIIE-3	N/A	Track loader (Model CAT 955)	50	hrs			
IIIE-4	N/A	Rubber tire loader (Model CAT 930)	100	hrs			
IIIE-5	N/A	Backhoe (wheel type (Model CASE 580D))	100	hrs			
IIIE-6	N/A	Mini Excavator (Crawler type 100 series)	50	hrs			
IIIE-7	N/A	Medium Excavator (Crawler type 200 series)	50	hrs			
IIIE-8	N/A	Large Excavator (Crawler type 300 series)	50	hrs			
IIIE-9	N/A	Farm tractor (35 hp) w/ implements	12	hrs			
IIIE-10	N/A	Power broom	25	hrs			
IIIE-11	N/A	Asphalt saw	12	hrs			
IIIE-12	N/A	Flashing directional arrow	50	hrs			
IIIE-13	N/A	Air compressor (including attachments)	25	hrs			
IIIE-14	N/A	Manpower (labor & supervision)	500	hrs			
IIIE-15	N/A	Concrete ram hoe	12	hrs			
IIIE-16	N/A	Vacuum excavator	5	hrs			
IIIE-17	N/A	Bobcat excavator	25	hrs			
IIIE-18	N/A	Lighted barrel	75	hrs			
IIIE-19	N/A	Type II barricades	50	ea/day			
IIIE-20	N/A	Type III barricades	5	ea/day			
IIIE-21	N/A	Portable message board	15	ea/day			
IIIE-22	N/A	Chipper for clearing	50	hrs			
			<b>SECTION TOTAL:</b>				

ITEM NO.	M&P SECTION	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL COST
IIIF-1	01200/1.6	Type A - Trench patch - Asphalt streets (arterial & industrial)	50	sy		
IIIF-2	01200/1.6	Type B - trench patch - asphalt streets (collector)	50	sy		
IIIF-3	01200/1.6	Type C - trench patch - asphalt streets (residential)	100	sy		
IIIF-4	01200/1.6	Type C - trench patch - without surface course	50	sy		
IIIF-5	01200/1.6	Type D - trench patch - concrete streets (arterial & industrial)	25	sy		
IIIF-6	01200/1.6	Type E - trench patch - concrete streets (collector)	25	sy		
IIIF-7	01200/1.6	Type F - trench patch - concrete streets (residential)	25	sy		
IIIF-8	01200/1.6	Type G - trench patch - historic district	50	sy		
IIIF-9	01200/1.6	Type H - trench patch - historic district	25	sy		
IIIF-10	01200/1.6	Type I - trench patch - historic district	25	sy		
IIIF-11	01200/1.6	Type J - trench patch - asphalt streets (permanent - residential)	50	sy		
IIIF-12	01200/1.6	Type J - trench patch - asphalt streets (permanent - collector)	50	sy		
<b>SECTION TOTAL:</b>						
				<b>Division A</b>		
				<b>Division B</b>		
				<b>Division C</b>		
				<b>Division D</b>		
				<b>Division E</b>		
				<b>Division F</b>		
<b>TOTAL BASE BID:</b>						