



COMMONWEALTH OF VIRGINIA  
**COUNTY OF HENRICO**

DEPARTMENT OF FINANCE  
Oscar Knott, CPP, CPPO, VCO  
Purchasing Director

**IFB No. 21-2259-11JMH**

December 1, 2021  
Invitation for Bid

**Fencing Repair and Replacement Services**

**Subject:** Annual contract to furnish all tools, labor, equipment, and supervision necessary to provide repair, replacement, and installation of fencing and gates, to the County of Henrico, Virginia and Henrico County Public Schools in accordance with the enclosed general terms, conditions and specifications. **This Invitation for Bid replaces IFB No. 21-2229-9JMH, which was rejected.**

Sealed bids in accordance with the conditions, specifications, and instructions below and on the attached sheets or drawings hereto, if any, will be received and accepted through eVA, the Commonwealth of Virginia's Procurement Portal (<https://eva.virginia.gov>) no later than **2:30pm**, local prevailing time, **December 12, 2021** and will be opened and publicly read aloud through a WebEx meeting at <https://henrico.webex.com/meet/her034> or by phone at 1(415) 655-0002 US Toll; Access Code 732-375-015. The WebEx meeting line will be made available for joining five (5) minutes prior to public opening.

Time is of the essence, and no bids will be received after the appointed time for submission. The time for the receipt of bids shall be determined by the time clock in eVA. Bidders are responsible for ensuring that their bid is submitted in eVA by the deadline indicated.

All Bidders shall use the enclosed Bid Form in submitting their bid prices. The Purchasing Division reserves the right to waive any informality in bids and to award in part or in whole or to reject any or all bids.

Nothing herein is intended to exclude any responsible Bidder, its product or service or in any way restrain or restrict competition. On the contrary, all responsible Bidders are encouraged to bid and their bid is solicited. Comments as to how bid documents, specifications or drawings can be improved are welcome.

Pursuant to Henrico County Code Section 16-43, the award will be made by the Purchasing Director.

This IFB and any addenda are available on the County of Henrico, Virginia website at <https://henrico.us/finance/divisions/purchasing>, and on eVA at <https://eva.virginia.gov/>.

Should you have any questions concerning this Invitation for Bid or bid submissions through eVA, please contact Justin M. Herbaugh at [her034@henrico.us](mailto:her034@henrico.us) no later than **Friday, December 6, 2021**.

Very truly yours,

Oscar Knott, CPP, CPPO, VCO  
Purchasing Director

Justin M. Herbaugh, VCA, VCO  
Procurement Analyst II

## **I. SCOPE OF WORK/SERVICES**

### **A. Purpose.**

The intent and purpose of this Invitation for Bid is to establish term contracts with two (2) or more qualified suppliers to furnish all labor, materials, equipment, and supervision necessary to provide the repair, replacement, and installation of fencing and gates to the County of Henrico, Virginia and Henrico County Public Schools as needed and requested in accordance with the enclosed general terms, conditions and specifications.

### **B. Background.**

1. The County of Henrico departments (including, but not limited to, Recreation & Parks Division, HCPS C&M, General Services) are responsible for the care and maintenance of fencing throughout the County. Fencing styles include galvanized chain link, fusion bonded/polyolefin coated chain link, ornamental, polyvinyl chloride ("PVC"), wood corral, and treated wood privacy.
2. The number of fences that need repairs or replacement each year is contingent on individual properties. At this time, the severity of the County's needs has not been determined and no guarantee is made regarding the amount of work this contract will entail.

### **C. Cooperative Procurement.**

This procurement is being conducted by the County of Henrico, Virginia on behalf of all other public bodies of the Commonwealth of Virginia in accordance with the provisions of 2.2-4304 of the Code of Virginia, as amended. If agreed to by the Successful Bidder, other public bodies of the Commonwealth of Virginia may make purchases under the resulting contract at the prices set forth herein and in accordance with its terms, conditions and specifications, subject to any modifications necessary to comply with local policy or practice to which the Successful Bidder agrees. The Successful Bidder shall deal directly with any public body it authorizes to use the resulting contract. The County, its officials and its staff are not responsible for placement of orders, invoicing, payments, contractual disputes, or any other transactions between the Successful Bidder and any other public bodies, and in no event shall the County, its officials or staff be responsible for any costs, damages or injury resulting to any party from use of a County contract. The County assumes no responsibility for any notification of the availability of the resulting contract for use by other public bodies, but the Successful Bidder may conduct such notification.

### **D. Specifications.**

1. Fences, Gates and Accompanying Hardware.

#### **LOT A**

- a. Galvanized Chain Link Fence and Gates.

- i. All chain link fence shall be galvanized and must comply with standards of the Chain Link Fence Manufacturer's Institute.
- ii. Fence, gate(s) and accompanying hardware should be provided as a complete system produced by a single manufacturer, including necessary erection accessories, fittings, and fastenings.

- iii. Comply with ASTM A-53 for requirements of Schedule 40 piping.
  - iv. Height of fence shall be measured from the top of concrete footing to the top of post.
  - v. Provide fabric in one-piece heights for fence heights up to 10 feet measured between top and bottom of outer edge of selvage knuckle or twist. Comply with ASTM A 392, CLFMI CLF 2445, and requirements indicated below:
    - 1. Steel Wire Fabric: Galvanized wire, 0.148" (9 gauge) diameter for fences;
    - 2. 2" mesh size for fabric; and
    - 3. Knuckled top and bottom for Selvages.
  - vi. Gate frames shall be assembled with fully coped welds. All ferrous metal components shall be SSPC-6 commercial blast cleaned.
  - vii. Gate Hardware;
    - 1. Hinges: non-lift-off type, offset to permit 180-degree swing, and of suitable size and weight to support gate. Provide 1-1/2 pair of hinges for each leaf over 6 feet high.
    - 2. Latches: plunger bar type complete with flush plate set in concrete for all double gates and single gates over 10'. Padlock eye shall be an integral part of latch construction. A flush plate shall be set in concrete for both the full open position and full closed position.
  - viii. Miscellaneous Materials and Accessories
    - 1. Post tops: Steel, wrought iron, or malleable iron are considered acceptable.
    - 2. Stretcher Bars: one piece equal to full height of fabric, minimum cross-section 3/16" by 3/4".
    - 3. Metal Bands: steel, wrought iron, or malleable iron are considered acceptable. Shall be used to secure stretcher bars to end, corner, pull and gate posts.
    - 4. Wire Ties: shall be used for tying fabric to line posts, rails and braces and made of 9-gauge steel wire with matching chain link finish.
    - 5. Bolts and Nuts: shall conform to ASTM A-307, Grade A.
  - ix. All installation procedures shall follow a uniform process. Refer to Attachment F for details.
- b. Fusion Bonded Chain Link Fence and Gates.
- i. All chain link fence shall be thermally bonded polyvinyl chloride (PVC), plastic resin finish over galvanized steel wire and must Comply with standards of the Chain Link Fence Manufacturer's Institute.
  - ii. All gates and gate hardware shall be powder coated.

- iii. Fence, gate(s) and accompanying hardware should be provided as a complete system produced by a single manufacturer, including necessary erection accessories, fittings, and fastenings.
- iv. Comply with ASTM A-53 for requirements of Schedule 40 piping.
- v. Height of fence shall be measured from the top of concrete walk or finish grade to the top of post.
- vi. Provide fabric in one-piece heights for fence heights up to 10 feet measured between top and bottom of outer edge of selvage knuckle or twist. Comply with ASTM A 392, CLFMI CLF 2445, and requirements indicated below:
  - 1. Steel Wire Fabric: Galvanized wire, 0.148" (9 gauge) diameter for fences;
  - 2. 2" mesh size for fabric; and
  - 3. Knuckled top and bottom for Selvages.
- vii. Gate frames shall be assembled with fully coped welds. All ferrous metal components shall be SSPC-6 commercial blast cleaned.
- viii. Gate Hardware;
  - 1. Hinges: non-lift-off type, offset to permit 180-degree swing, and of suitable size and weight to support gate. Provide 1-1/2 pair of hinges for each leaf over 6 feet high.
  - 2. Latches: plunger bar type complete with flush plate set in concrete for all double gates and single gates over 10'. Padlock eye shall be an integral part of latch construction. A flush plate shall be set in concrete for both the full open position and full closed position.
- ix. Miscellaneous Materials and Accessories
  - 1. Post tops: Steel, wrought iron, or malleable iron are considered acceptable.
  - 2. Stretcher Bars: one piece equal to full height of fabric, minimum cross-section 3/16" by 3/4".
  - 3. Metal Bands: steel, wrought iron, or malleable iron are considered acceptable. Shall be used to secure stretcher bars to end, corner, pull and gate posts.
  - 4. Wire Ties: shall be used for tying fabric to line posts, rails and braces and made of 9-gauge steel wire with matching chain link finish.
  - 5. Bolts and Nuts: shall conform to ASTM A-307, Grade A.
- x. All installation procedures shall follow a uniform process. Refer to Attachment G for details.

## **LOT B**

- c. Ornamental Picket Fence, Gates and Accompanying Hardware.
- i. Pickets: Fabricated of galvanized steel tubular members per ASTM A787 with a G90 zinc coating 0.90 oz/ft<sup>2</sup> and steel to have 45,000 psi (310 MPa) yield strength. Picket size shall be 3/4" or 5/8" sq x 16 or 18-gauge wall thickness and spaced at 4" O.C. Pickets shall be attached to rails using 1/4" industrial drive rivets.
  - ii. Rails: Horizontal U" channels shall be 1/2" x 1-1/2", 1/8" 15-gauge wall thickness and galvanized: G90 zinc coating 0.90 oz/ft<sup>2</sup>, manufactured per ASTM A-653/A-653M with a 50,000 psi (344 MPa) yield strength. Rails shall be mechanically punched to receive pickets and drive rivets. Attach rails to brackets using one-way security fastener.
  - iii. Posts: Fabricated of galvanized square steel tubular members per ASTM A787 with a G90 zinc coating, 0.90 oz/ ft<sup>2</sup> and steel to have 45,000 psi (310 MPa) yield strength. Post size 3" sq x 14-gauge wall thickness.
  - iv. Finish: All posts, caps and fence panels shall be polyester coated individually after fabrication to thoroughly coat all surfaces for additional corrosion protection. All components enter a 5 stage in line cleaning process to prepare the galvanized surfaces for complete adhesion of the finish coat. Components are given a TGIC polyester resin powder coating applied by the electrostatic spray process to 3.0 mil thickness. The finish is baked in an oven for 15 - 20 minutes at a temperature ranging from 400°F. Color: Black.
  - v. Gates shall consist of ornamental picket swing gates to match the style and color of fence.
  - vi. Miscellaneous Materials and Accessories
    1. Post Caps: Aluminum or formed steel manufactured to form a weather-tight closure. Caps shall be flat top style on each post.
    2. Rail/Post Brackets: Standard 1/2" x 1-1/2" galvanized steel channels. Cover to be pressed to bracket for permanent installation. Bracket shall be fastened to post with one galvanized hex bolt. Rails shall be attached to bracket with one-way security fastener.
    3. Rings: Cast aluminum rings attached to rails by insertion of mounting block into upper rail. Rings attached to rails with standard drive rivet to prevent removal.
    4. Pickets shall be secured to rails with 1/4-inch aluminum industrial drive rivets to prevent movement. Rivets have a sheer strength of 1,500# and a holding power of 1,100#.
    5. Finial Tops of Pickets: Cast aluminum, attached to pickets by 1/4" rivets. All finials extend 6" above rail.
    6. Picket Tops shall be pointed top.
  - vii. All installation procedures shall follow a uniform process. Refer to Attachment H for details.

## **LOT C**

- d. Polyvinyl Chloride Fencing, Gates and Accompanying Hardware.
- i. All chain link fence shall be thermally bonded polyvinyl chloride (PVC), and must Comply with standards of the Chain Link Fence Manufacturer's Institute.
  - ii. Fence, gate(s) and accompanying hardware should be provided as a complete system produced by a single manufacturer, including necessary erection accessories, fittings, and fastenings.
  - iii. All installed hardware shall comply with the following requirements:
    1. Extruded PVC: ASTM D4726 Hollow, multi-chambered sections of extruded polyvinyl chloride (PVC), with integral ultra-violet degradation resistance.
    2. Top and bottom Rails: Slotted, 2" x 7" extruded PVC, with concealed aluminum or galvanized steel support frame.
    3. Mid-Rail: 1 1/2"x5 1/2" extruded PVC
    4. Pickets: Tongue and groove; 7/8" x 6" extruded PVC.
    5. Posts: 5" x 5" extruded.
  - iv. Gates shall conform to Manufacturer's standard assembly with concealed aluminum or galvanized steel support frame. Use of corner fittings is not permitted. Gates shall permit 200-degree swing.
  - v. Gate Hardware:
    1. Provide lockable latching mechanism to accept padlock.
  - vi. All installation procedures shall follow a uniform process. Refer to Attachment H for details.

## **LOT D**

- e. Wooden Corral Fence.
- i. Board Spacing: The top of the top board shall be at least 48" above ground level. Install 4 horizontal boards or rails spaced approximately 9 inches apart. Stagger rail joints so they don't hit the same on every post. Install a vertical face board to convert joints on every post and two on corners.
  - ii. Type of Board: The horizontal boards shall be a minimum of 1" x 6". Lumber shall be treated with a preservative treatment that meets the American Wood Preservers' Association (AWPA) U1-06/UC3B standard. If painting is desired, lumber shall be treated with an anti-fungal agent or a waterborne preservative such as acid copper chromate, not creosote.

- iii. Post Spacing, Length, and Depth: Space posts apart to accommodate selected rail length. Rail length may range between 8' and 10'. Wood posts must have a minimum length of 6' and set or driven to a minimum depth of 24". When posts are set, mixed concrete shall be placed back around posts and held a minimum of 3" down from grade. Topsoil shall be placed on upper 3" and seeded with fescue.
  - iv. Line Posts: All wooden posts (except red cedar, Osage Orange, or black locust) shall be treated according to use category UC4A of the AWWPA (American Wood Protection Association) UC3A refers to exterior construction, above ground, uncoated or poor water run-off. UC4A refers to ground contact or fresh water, non-critical components. At least half the diameter of red cedar shall be heartwood. Quality of treated wood shall provide sufficient strength and last for the expected life of the fence. If ACQ preservative is used, Successful Bidder(s) shall not allow aluminum wires or staples to be used with this treated wood. Only galvanized metals shall be used.
  - v. Fasteners: Attach each rail or horizontal board with two 16d galvanized or equivalent treated nails or screws. On each post install a face board with one nail in each horizontal plank. A minimum of two nails or screws in each horizontal rail and at least six nails or screws in the face board (for a total of at least 18 nails or screws) per post must be used for a four (4) rail fence.
  - vi. Cost to paint or stain shall be included.
- f. Wooden Privacy Fence.
- i. All materials shall be treated wood, or wood of natural resistance to decay, hot-dip galvanized steel, or plastic materials. Installation and durability standards for plastic fencing material shall meet all manufacturer's standards and specifications, which standards and specifications must also meet all requirements for approval of fence materials under the county building code. All wood shall be construction grade 2 or better.
  - ii. Fence posts shall consist of one of the following for a 5'-6 1/2' fence: 4"x4" wood post or 1 7/8" diameter steel pipe with a wall thickness of .120"; or 1 7/8" square standard gauge steel pipe with a wall thickness of .120". Fence posts shall consist of one of the following for a fence over 6 1/2' -8': 4"x4"x6" wood post, or 2 3/8" square standard gauge steel pipe with a wall thickness of .130".
  - iii. Fence posts for a 5'-6 1/2' fence shall be spaced a maximum of 8' on center. Fence posts for a fence over 6 1/2' to 8' tall shall be spaced a maximum of one of the following lengths: if a 4"x 6" wood post is used, the posts shall be spaced 8' on center; or if a 4"x4" wood post is used, the fence posts shall be spaced 6' on center; 2 3/8" diameter steel pipe or 2 3/8" square standard gauge steel pipe is to be spaced a maximum of 8' on center.
  - iv. 4"x4" wood fences posts shall be set in a minimum 10" diameter concrete pier, extending a minimum of 2' deep. Metal posts shall be set in a minimum 8" concrete pier, extending a minimum of 2' deep. 4"x6" wood fence posts shall be set in a minimum 12" diameter concrete pier, again extending a minimum of 2' deep.
  - v. Any wooden stockade style fence 5'-6 1/2' that is visually nontransparent shall have a minimum of 3-2"x4" rails. Any wooden stockade style fence over 6 1/2' to 8' that is visually nontransparent will have a minimum of 4- 2"x4" rails.

- vi. Vertical wooden fence boards or pickets shall be a minimum of 1" thickness and all pickets shall be spaced such that a sphere 4" diameter cannot pass through.

E. General Requirements.

1. Successful Bidder(s) shall be a firm regularly engaged in fencing repair and replacement and have sufficient equipment, materials, and trained personnel experienced in fencing installation and repairs, and transportation available to satisfactorily complete work as specified.
2. Fence replacement and repair services are required on an as needed basis. Services include, but are not limited to, repair or replacing damaged and/or broken fencing and gates, excavating, setting posts, installing concrete, rails, bracing, gates, and chain link mesh. Unless otherwise stated, 9-gauge fabric shall be installed to secure all fences.
3. Successful Bidder(s) shall designate at least one (1) person within their firm as a single point of contact ("POC") with office and cell phone numbers for accessibility.
4. Fence posts shall be set according to the gate openings specified prior to each project start or with changes accompanying the service call work assignment.
5. At the end of each workday, the Successful Bidder(s) shall be responsible for cleaning the site and all grounds that it has occupied of all rubbish, debris, and old fencing. No debris shall be deposited in containers owned by the County unless authorized to do so. All parts of the work site shall be left in a neat, orderly, and presentable condition.
6. Any brush or vegetation cut shall be removed at the end of the work performed.
7. The Successful Bidder(s) shall coordinate with the department's authorized representative for work scheduling. This includes but is not limited to availability of work areas, security planning, and coordination with all agencies and utility providers such as Miss Utility.
8. Some facilities require a security clearance and/or background check. The Successful Bidder(s) shall be informed, in advance, of work requested at a secure facility that requires a security clearance and/or background check.
9. The Successful Bidder(s) shall keep the department's authorized representative informed of the status of all work in progress on a daily basis or as requested on the Work Plan, including estimated completion date and any issues which may cause a delay in completion.

F. Work Site Safety.

1. Successful Bidder(s) shall be responsible for the safety of its employees and the general public while completing services.
2. The Successful Bidder(s) shall have a minimum of two (2) 5lb. fire extinguishers at the site at all times and must be readily available for use if needed.
3. All equipment and services shall comply with all current Virginia laws, Federal laws, ordinances, and regulations. The materials and installation services shall be performed according to current OSHA and EPA standards.



4. Except to the extent that more explicit or stringent requirements are written directly into this Invitation for Bid document, all applicable codes, regulations, and standards have the same force and effect and are made a part of the contract documents by reference.
5. Successful Bidder(s) shall immediately report all occurrences of damage and or personal injury done by its employees to County employees or property, citizens, private property, and Bidder's employee.
6. Damage to property or loss of vegetation shall be replaced or repaired by the Successful Bidder(s) at no cost to the County within a reasonable period of time, satisfactory to the County. The County may elect to deduct the cost of repairs to damaged property from Successful Bidder's project invoice if necessary.
7. The County reserves the right to have their own safety inspectors inspect any property damage or personal injury that occurs on County property or County maintained property.
8. The Successful Bidder(s) shall be solely responsible for any and all spills or leaks caused by the Successful Bidder(s) and its agents while performing work under the terms of any resulting project. The Successful Bidder(s) shall notify a County representative within one (1) hour. At no cost to the County, the Successful Bidder(s) shall contain, remediate, and restore the site of the spill to pre-spill conditions in accordance with applicable local, state and Federal regulations, and, if on County property, in accordance with the Invitation for Bid requirements.
9. Successful Bidder(s) shall be responsible for any and all costs associated with the remediation of any hidden contamination discovered to have been the result of a spill or leak. A written report shall be submitted by the Successful Bidder(s) identifying the substance, quantity released, reportable quantity for the substance, agencies notified, and represented contacted for any remediation performed.

#### G. Personnel.

1. All personnel shall be adequately experienced in fence repair, removal, and installation, and shall be trained, certified and skilled to operate all equipment necessary to perform these services.
2. All personnel shall be clearly identified and carry proper Company identification. Such identification shall be marked on an outer garment and worn at all times.
3. The County may provide security/contractor badges for employees to wear on County property if determined to be necessary.
4. The County shall have the right to require that the Successful Bidder(s) dismiss any employee from the premises whose conduct is improper, inappropriate, or offensive.

#### H. Ordering, Scheduling, and Acceptance of Work.

1. The Successful Bidder(s) shall meet with a County's authorized representative within one week (7 days) of notification of a Project. An acceptable "Work Plan" with price quotation shall be provided by the Successful Bidder(s) to the County within five (5) calendar days of receipt of a task order. The Work Plan shall include:
  - a. A detailed cost estimate;

- b. List of subcontractors used for labor if Successful Bidder(s) is not self-performing 100% of the work;
  - c. Technical drawings and/or specifications to verify the Project scope;
  - d. Any concerns or notes involving the location security and/or work schedule hours; and
  - e. Estimated completion date.
2. Emergency Requests: For any emergency repairs, the Successful Bidder(s) shall return calls within (24) hours and begin work within (48) hours. Emergency requests should be accepted 6:00am to 5:00pm, Monday through Friday. Once a request is designated as an Emergency, the Successful Bidder(s) shall complete repairs within three (3) calendar days.
  3. Upon completion, the Successful Bidder(s) shall contact the County's authorized representative for inspection. Acceptability of work will be determined by the County. Any deficiencies or unsatisfactory work shall be noted. No invoice shall be issued by the Successful Bidder(s) until the County approves of the completed job.
  4. Any deficiencies or unsatisfactory work shall be corrected within five (5) working days of notification. The County is the sole judge of completion for any work. The County reserves the right to extend this time limit on a case-by-case basis. However, the Successful Bidder(s) shall send all justification in writing as to why more than five (5) working days is needed to complete any required corrections.
- I. Invoicing.
1. Invoices shall include contract number, purchase order number, dates of service, cost for services based on the contract rate, and completed project certification. No payment will be made for work in progress on the prescribed payment dates. Work completed will be verified in writing by the County's authorized representative and Successful Bidder's Supervisor on an agreeable format.
  2. In the event the Successful Bidder(s) fails to prepare the invoice as requested or if charges are calculated incorrectly, the County reserves the right to return the comprehensive invoice to the Successful Bidder(s) and payment will not be made until all corrections are received by the respective department.

The Successful Bidder(s) shall submit invoices for completed work to the address provided on the Purchase Order provided by the County.

J. Warranty.

1. The Successful Bidder(s) shall guarantee one (1) year full warranty on all materials and workmanship to commence on the date of project acceptance by the County. The Successful Bidder(s) shall include a copy of their warranty with their bid submittal.
2. Any defects in materials, devices, and workmanship which become apparent within the guarantee period shall be repaired or replaced by the Successful Bidder(s) at his own expense, and at no additional cost to the Department.

3. The Successful Bidder(s) warrants the scope of all applicable regulations to properly perform the work described in this Invitation for Bid and maintain full compliance with all laws, governmental regulations and orders, including the terms and conditions specified in permits currently held by the County for work as applicable to the services described herein.

K. Bid Submission Requirements.

1. Bidders shall submit as an attachment in eVA, a completed Bid Form and Bid Pricing Sheet in accordance with Section II.BB. Instructions for submission in eVA is included as Attachment I.
2. Complete bid submissions shall include the following documents:
  - a. Bid Form
  - b. Bid Pricing Sheet
  - c. Signature Sheet
  - d. Business Classification Form (Attachment B)
  - e. Virginia SCC Registration Form (Attachment A)
  - f. Vendor Reference Sheet (Attachment C)
  - g. Direct Contact with Students Form (Attachment D)

## II. GENERAL TERMS AND CONDITIONS:

All Bidders shall note that the Invitation for Bid (IFB) method of procurement does not allow any modifications or exceptions to the County's Section II., GENERAL TERMS AND CONDITIONS. Any modifications or exceptions made to this section shall cause your bid response to be considered non-responsive.

### A. Addenda:

1. Bidders are welcome to provide comments regarding how the bid documents, specifications or drawings can be improved. Bidders requesting clarification or interpretation of or improvements to the bid general terms, conditions, specifications or drawings shall make a written request which must reach the Purchasing Division, Department of Finance, at least eight (8) calendar days prior to the date set for the receipt of bids.
2. Any changes to the bid general terms, conditions, specifications or drawings shall be in the form of a written addendum from the Purchasing Division and it shall be signed by the Director of Purchasing, Department of Finance or a duly authorized representative.
3. An addendum shall be issued no later than six (6) calendar days prior to the date set for the receipt of bids. An addendum extending the date for the receipt of bids or an addendum withdrawing the Invitation for Bid may be issued anytime prior to the date set for the receipt of bids.
4. Each Bidder shall be responsible for determining that all addenda issued by the Purchasing Division for the Invitation for Bid have been received before submitting a bid for the work.
5. Each Bidder shall acknowledge the receipt of each addendum on the Bid Form.

### B. Annual Appropriations:

The contract resulting from this procurement ("Contract") shall be subject to annual appropriations by the Board of Supervisors of Henrico County, Virginia (the "Board"). Should the Board fail to appropriate funds for this Contract, the Contract shall be terminated when existing funding is exhausted. The Successful Bidder ("Successful Bidder" or "Contractor") shall not be entitled to seek redress from the County of Henrico, Virginia (the "County") should the Board fail to make annual appropriations for the Contract.

### C. Authorization to Transact Business in the Commonwealth (Va. Code §2.2-4311.2):

1. Any business entity that enters into a written contract with the County that is organized as a stock or nonstock corporation, limited liability company, business trust, or limited partnership or registered as a registered limited liability partnership must be authorized to transact business in the Commonwealth of Virginia as a domestic or foreign business entity if so required by Title 13.1 or Title 50 of the Code of Virginia, or as otherwise required by law.
2. Any business entity described in paragraph C.1 above that enters into a contract with the County must not allow its existence to lapse or allow its certificate of authority or registration to transact business in the Commonwealth of Virginia if so required by Title 13.1 or Title 50 of the Code of Virginia, to be revoked or cancelled at any time during the term of the contract.

3. Any business entity organized or authorized to transact business in the Commonwealth pursuant to Title 13.1 or Title 50 of the Code of Virginia must include in its bid or proposal the identification number issued to it by the State Corporation Commission. (Attachment A) Any business entity that is not required to be authorized to transact business in the Commonwealth as a foreign business entity under Title 13.1 or Title 50 of the Code of Virginia or as otherwise required by law must include in its bid a statement describing why the Bidder or offeror is not required to be so authorized.
4. A Bidder described in subsection 3 that fails to provide the required information shall not receive an award unless a written waiver is granted by the Director of Finance, his/her designee, or the County Manager.
5. Any falsification or misrepresentation contained in the statement submitted by the Bidder pursuant to Title 13.1 or Title 50 of the Code of Virginia may be cause for debarment by the County.
6. The County may, in its sole discretion, void any contract with a business entity if the business entity fails to remain in compliance with the provisions of this section, entitled "Authorization to Transaction Business in the Commonwealth."

D. Award of Contract:

1. The Purchasing Division reserves the right to waive any informality in bids and to award in part or in whole or to reject any or all bids. The reasons for the rejection shall be made a part of the contract file.
2. In case of a tie bid, preference shall be given to goods, services, and construction produced in the County or the State of Virginia or provided by persons, firms or corporations having principal places of business in the County or the State of Virginia, if such a choice is available; otherwise the tie shall be decided by lot. A County business shall be given preference over a State of Virginia business, if such a choice is available.
3. The Purchasing Division shall have the right, before awarding the contract, to require a Bidder to submit such evidence of its qualifications as it may deem necessary and may consider any evidence available to it concerning the financial, technical, and other qualifications and abilities of a Bidder. (See Attachment B)
4. It is the intent of the Purchasing Director to award a contract to the lowest responsive and responsible Bidder provided the bid does not exceed the funds available for the contract. **This bid will be awarded by Total Extended Price per Lot (A through D).** (See the Bid Form).
5. Notice of award or intent to award is posted on the Purchasing Division website: <https://henrico.us/finance/divisions/purchasing>.
6. The Bidder to whom the contract is awarded shall, within fifteen (15) days after prescribed documents are presented for signature, execute and deliver to the Purchasing Division the contract forms and any other forms required by the bid.

E. Bid Security:

Bidder is not required to furnish a bid security with this bid.

F. Bidder's Representation:

1. By submitting a bid in response to this Invitation for Bid, the Bidder certifies that it has read and understands the bid documents, specifications, and drawings, if any, and has familiarized itself with all federal, state and local laws, ordinances, rules and regulations that in any manner may affect the cost, progress or performance of the work.

2. The failure or omission of any Bidder to receive or examine any form, instrument, addendum or other documents, or to acquaint itself with conditions existing at the site(s), shall in no way relieve any Bidder from any obligations with respect to its bid or to the contract.

G. Bonds:

The Successful Bidder is not required to furnish a Performance Bond and a Payment Bond for this contract.

H. Collusion:

By submitting a bid in response to this Invitation for Bid, the Bidder represents that in the preparation and submission of this bid, said Bidder did not, either directly or indirectly, enter into any combination or arrangement with any person, Bidder or corporation or enter into any agreement, participate in any collusion, or otherwise take any action in the restraint of free, competitive bidding in violation of the Sherman Act (15 U.S.C. Section 1) or Sections 59.1-9.1 through 59.1-9.17 or Sections 59.1-68.6 through 59.1-68.8 of the Code of Virginia.

I. Compensation:

1. The County shall not pay for any goods or services until the same have been actually received.
2. Successful Bidder shall provide the Purchasing Division their social security number upon request. Proprietorships, partnerships and corporations shall provide their federal employer identification numbers upon request (Va. Code § 2.2-4354.2).
3. The Successful Bidder shall submit a complete itemized invoice on each item or service, which is delivered under the contract. The Successful Bidder shall indicate the purchase order number on the front of each invoice and on the outside of each package or shipping container.
4. Cash discounts shall be deducted in accordance with the terms of the bid.
5. Payment shall be rendered to the Successful Bidder for satisfactory performance compliance with the general terms, conditions and specifications of this bid. The required payment date shall be either: (i) the date on which payment is due under the terms of the contract for the provision of such goods or services; or (ii) if such date is not established by contract, not more than forty-five days after goods or services are received or not more than forty-five (45) days after the Successful Bidder renders an invoice to the County, whichever is later (Va. Code § 2.2-4352).
6. Unless otherwise provided under the terms of the contract for the provisions of goods and services, if the County fails to pay by the payment date, the County agrees to pay the financial charge assessed by the Successful Bidder, which does not exceed one percent per month (Code of Virginia, Section 2.2-4354.4).

J. Contract Period:

1. The initial contract period shall be from date of award through October 31, 2022. Contract prices shall remain firm for the contract period.
2. The contract may be renewed for four (4) additional one-year periods at a price not to exceed 3% above the previous year's prices.
3. The Successful Bidder shall give at least 90 days' written notice to the County for any price increases and/or if it does not intend to renew the contract at any annual renewal.
4. The contract shall not exceed a maximum of five (5) years.

K. Controlling Law; Venue

This contract is made, entered into, and shall be performed in the County, and shall be governed by the applicable laws of the Commonwealth of Virginia. Any dispute arising out of the contract resulting from this Invitation for Bid, its interpretations, or its performance shall be litigated only in the Henrico County General District Court or the Circuit Court of the County of Henrico, Virginia.

L. County License Requirement:

1. If a business is located in the County, it shall be unlawful to conduct or engage in that business without obtaining a business license. If your business is located in the County, include a copy of your current business license with your bid. If you have any questions, contact the Business Section, Department of Finance, County of Henrico, telephone (804) 501-4310.
2. If you are a contractor or speculative builder and (i) your principal or branch office is in the County or (ii) you do more than \$25,000 of business in the County, you are required to have a business license from the County. If you meet either of the above requirements, include a copy of your current license with your bid. The terms "contractor" and speculative builder" are defined in the County Code, §§ 20-558 and 20-560. If you have any questions, contact the Business Section, Department of Finance, County of Henrico, telephone (804) 501-4310.

M. Default:

1. If the Successful Bidder is wholly responsible for a failure to perform the Contract (including, but not limited to, failure to make delivery of goods, failure to complete implementation and installation, and/or if the goods and/or services fail in any way to perform as specified herein), the County may consider the Successful Bidder to be in default. In the event of default, the County will provide the Successful Bidder with written notice of default, and the Successful Bidder shall provide a plan to correct said default within 20 calendar days of the County's notice of default.
2. If the Successful Bidder fails to cure said default within 20 days, the County, among other actions, may complete the Contract work through a third party, and the Successful Bidder shall be responsible for any amount in excess of the Contract price incurred by the County in completing the work to a capability equal to that specified in the Contract.

N. Drug-Free Workplace to be Maintained by the Contractor (Va. Code § 2.2-4312)

1. During the performance of this contract, the Contractor agrees to (i) provide a drug-free workplace for the Contractor's employees; (ii) post in conspicuous places, available to employees and applicants for employment, a statement notifying employees that the unlawful manufacture, sale, distribution, dispensation, possession, or use of a controlled substance or marijuana is prohibited in the Contractor's workplace and specifying the actions that will be taken against employees for violations of such prohibition; (iii) state in all solicitations or advertisements for employees placed by or on behalf of the Contractor that the Contractor maintains a drug-free workplace; and (iv) include the provisions of the foregoing clauses in every subcontract or purchase order of over \$10,000, so that the provisions will be binding upon each subcontractor or vendor.

2. For the purposes of this section, “*drug-free workplace*” means a site for the performance of work done in connection with a specific contract awarded to a Contractor in accordance with the Virginia Public Procurement Act, the employees of whom are prohibited from engaging in the unlawful manufacture, sale, distribution, dispensation, possession or use of any controlled substance or marijuana during the performance of the contract.

O. Employment Discrimination by Successful Bidder Prohibited:

1. During the performance of this contract, the Successful Bidder agrees as follows (Va. Code § 2.2-4311):
  - (a) The Successful Bidder will not discriminate against any employee or applicant for employment because of race, religion, color, sex, national origin, age, disability, or other basis prohibited by state law relating to discrimination in employment, except where there is a bona fide occupational qualification reasonably necessary to the normal operation of the Successful Bidder. The Successful Bidder agrees to post in conspicuous places, available to employees and applicants for employment, notices setting the provisions of this nondiscrimination clause.
  - (b) The Successful Bidder, in all solicitations or advertisements for employees placed by or on behalf of the Successful Bidder, 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 Successful Bidder shall include the provisions of the foregoing paragraphs of this section in every subcontract or purchase order of over \$10,000, so that the provisions will be binding upon each subcontractor or vendor.

P. Employment of Unauthorized Aliens Prohibited:

As required by Va. Code §2.2-4311.1, the Successful Bidder does not, and shall not during the performance of this agreement, in the Commonwealth of Virginia knowingly employ an unauthorized alien as defined in the federal Immigration Reform and Control Act of 1986.

Q. Environmental Management:

The Contractor shall comply with all applicable federal, state, and local environmental regulations. The Contractor is required to abide by the County’s Environmental Policy Statement: [http://www.henrico.us/pdfs/risk/env\\_policy.pdf](http://www.henrico.us/pdfs/risk/env_policy.pdf) which emphasizes environmental compliance, pollution prevention, continual improvement, and conservation. The Contractor shall be properly trained and have any necessary certifications to carry out environmental responsibilities. The Contractor shall immediately communicate any environmental concerns or incidents to the assigned County Project Manager and the County Risk Manager.

R. General:

1. Sealed bids in accordance with the conditions, specifications, and instructions below and on the attached sheets or drawings hereto, if any, will be received through eVA, the Commonwealth of Virginia’s Procurement Portal (<https://eva.virginia.gov>) until, but no later than the time and date specified in the Invitation for Bid. **Sealed bids will only be accepted through eVA.**
2. In the solicitation or awarding of contracts, the County shall not discriminate because of the race, religion, color, sex, national origin, age, disability or any other basis prohibited by state law relating to discrimination in employment.



3. The County utilizes the Commonwealth of Virginia eVA Supplier Web Site for selection of Bidders. If your company is not registered, a supplier application is available on the eVA web site, <https://eva.virginia.gov>.

S. Indemnification:

The Successful Bidder agrees to indemnify, defend and hold harmless the County (including Henrico Public County Schools), the County's officers, agents and employees from any claims, damages, suits, actions, liabilities and costs of any kind or nature, including attorneys' fees, arising from or caused by the provision of any services, the failure to provide any services or the use of any services or materials furnished (or made available) by the Successful Bidder, provided that such liability is not attributable to the County's sole negligence.

T. Insurance:

The Successful Bidder shall maintain insurance to protect itself and the County and the County's elected officials, officers, agents, volunteers and employees from claims under the Workers' Compensation Act, and from any other claim for damages for personal injury, including death, and for damages to property which may arise from the provision of services under the Contract, whether such services are provided by the Successful Bidder or by any subcontractor or anyone directly employed by either of them. Such insurance shall conform to the Insurance Specifications. (See Attachment E)

U. Modification of Bids:

1. A bid may be modified or withdrawn by the Bidder any time prior to the time and date set for the receipt of bids.
2. Modified and withdrawn bids may be resubmitted through eVA up to the time and date set for the receipt of bids.
3. No bid can be withdrawn after the time set for the receipt of bids and for ninety (90) days thereafter except as provided under the Withdrawal of Bid due to Error section.

V. Negotiation with the Lowest Bidder:

1. If all bids received exceed the available funds for the proposed purchase, the County, pursuant to County Code provisions, may meet with the lowest responsive and responsible Bidder to discuss a reduction in the scope for the proposed purchase and negotiate a contract price within the available funds (County Code 16-48).
2. After bid negotiations, the lowest responsible Bidder shall submit an addendum to its bid, which addendum shall include the change in scope for the proposed purchase, the reduction in price and the new contract value.
3. If the proposed addendum is acceptable to the County, the County may award a contract within funds available to the lowest responsible Bidder based upon the amended bid.
4. If the County and the lowest responsible Bidder cannot negotiate a contract within available funds, all bids shall be rejected.

W. No Discrimination against Faith-Based Organizations:

The County does not discriminate against faith-based organizations as that term is defined in Va. Code § 2.2-4343.1.

X. Opening of Bids:

1. All bids received on time by the Purchasing Division through eVA, the Commonwealth of Virginia's Procurement Portal (<https://eva.virginia.gov>) will be opened and publicly read aloud through a WebEx meeting at <https://henrico.webex.com/meet/her034> and by phone at 1(415) 655-0002 US Toll; Access Code 732-375-015. The WebEx meeting will be made available for joining five (5) minutes prior to public opening.
2. Any competitive sealed bidding Bidder, upon request, shall be afforded the opportunity to inspect bid records within a reasonable time after the opening of all bids but prior to award, except in the event that the County decides not to accept any of the bids and to reopen the contract. Otherwise, bid records shall be open to public inspection only after award of the contract (Va. Code § 2.2-4342C).
3. Any inspection of procurement transaction records shall be subject to reasonable restrictions to ensure the security and integrity of the records (Va. Code § 2.2-4342E).

Y. Product Evaluation/Testing:

1. The Purchasing Division shall have the option to evaluate and/or test any item offered in this Invitation for Bid prior to award of the contract. If the Purchasing Division elects to evaluate and/or test an item, the Bidder shall provide all samples required for evaluation and/or testing at no charge within **7 (seven) calendar days** of the request by the Purchasing Division. Samples shall be sent to:

County of Henrico  
Attention: Justin M. Herbaugh  
Purchasing Division  
8600 Staples Mill Road  
Henrico, VA 23228

2. Upon the completion of the evaluation and/or testing by the Purchasing Division, the Bidder shall be responsible for the pick-up/return freight of the samples. If return arrangements are not confirmed within seven (7) calendar days after notification from the Purchasing Division that samples are available for return, the Purchasing Division reserves the right to dispose of said samples.

Z. Record Retention/County Audits:

1. The Successful Bidder shall retain, during the performance of the contract and for a period of five years from the completion of the contract, all records pertaining to the Successful Bidder's bid and any contract awarded pursuant to this Invitation for Bid. Such records shall include but not be limited to all paid vouchers including those for out-of-pocket expenses; other reimbursement supported by invoices, including Successful Bidder's copies of periodic estimates for partial payment; ledgers, cancelled checks; deposit slips; bank statements; journals; contract amendments and change orders; insurance documents; payroll documents; timesheets; memoranda; and correspondence. Such records shall be available to the County on demand and without advance notice during the Successful Bidder's normal working hours.
2. County personnel may perform in-progress and post-performance audits of the Successful Bidder's records as a result of a contract awarded pursuant to this Invitation for Bid. Files shall be available on demand and without notice during normal working hours.

AA. Safety:

1. The Successful Bidder shall comply with and ensure that the Successful Bidder's personnel comply with all current applicable local, state and federal policies, regulations and standards relating to safety and health, including, by way of illustration and not limitation, the standards of the Virginia Occupational Safety and Health Administration for the industry. The provisions of all rules and regulations governing safety as adopted by the Safety and Health Codes Board of the Commonwealth of Virginia and issued by the Department of Labor and Industry under Title 40.1 of the Code of Virginia shall apply to all work under the Contract. The Successful Bidder shall provide or cause to be provided all technical expertise, qualified personnel, equipment, tools and materials to safely accomplish the work specified and performed by the Successful Bidder.
2. The Successful Bidder shall have, at each location at which the Successful Bidder provides goods and/or services, a supervisor who is competent, qualified, or authorized on the work site, and who is familiar with policies, regulations and standards applicable to the work being performed. The supervisor must be capable of identifying existing and predictable hazards in the surroundings or working conditions which are hazardous or dangerous to employees or the public, and must be capable of ensuring that applicable safety regulations are complied with, and shall have the authority and responsibility to take prompt corrective measures, which may include removal of the Successful Bidder's personnel from the work site.
3. In the event the County determines any operations of the Successful Bidder to be hazardous, the Successful Bidder shall immediately discontinue such operations upon receipt of either written or oral notice by the County to discontinue such practice.

BB. Minority-, Woman-, Service Disabled Veteran-Owned, Small Business and Employment Services Organizations:

1. It is the policy of the County to actively seek out and provide contracting opportunities to minority-, woman-, service disabled veteran-owned, small businesses and employment services organizations in procurement transactions made by the County.
2. The County strongly encourages all suppliers to respond to Invitations for Bids and Request for Proposals and supports the use of minority, woman-, service disabled veteran-owned, small businesses and employment services organizations for sub-contracting opportunities.
3. All formal solicitations are posted on the Commonwealth of Virginia eVA website and the County's website at <https://henrico.us/finance/divisions/purchasing/> and may be viewed under the Bids and Proposals link.

CC. Subcontracts:

No portion of the work shall be subcontracted without prior written consent of the County. In the event that the Successful Bidder desires to subcontract some part of the work specified in the Contract, the Successful Bidder shall furnish the County the names, qualifications, and experience of the proposed subcontractors. The Successful Bidder shall, however, remain fully liable and responsible for the work to be done by his/her subcontractor(s) and shall assure compliance with all the requirements of the Contract.

DD. Submission of Bids:

1. All Bidders shall use the enclosed Bid Form in submitting their bid prices through eVA. **The Purchasing Division shall not accept oral bids or bids received by telephone, telecopier (FAX machine), email or hard copy submissions. Bids will only be accepted through eVA.**
2. All prices must be F.O.B. delivered to the point as indicated in this bid. The County will grant no allowance for boxing, crating, or delivery unless specifically provided for in this bid.
3. The Bid Form must be completed in blue or black ink. Discrepancies in the multiplication of units of work and the unit prices will be resolved in favor of the correct multiplication of the unit prices. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum.
4. All erasures, insertions, additions, and other changes made by the Bidder to the Bid Form shall be signed or initialed by the Bidder. Bids containing any conditions, omissions, erasures, alterations, or items not called for in the bid, may be rejected by the Purchasing Division as being incomplete or nonresponsive.
5. The Bid Form must be signed in order to be considered. If the Bidder is a corporation, the bid must be submitted in the name of the corporation, not simply the corporation's trade name. In addition, the Bidder must indicate the corporate title of the individual signing the bid.
6. Bidders must upload and submit all required documents and pricing by the time and due date for the Bids. eVA will automatically determine the time for the receipt of Bids. eVA will not permit a Bidder to submit a Bid after the time for receipt of bids. Bidders bear all responsibility for ensuring their Bids and supporting documentation are submitted on time. The County bears no responsibility for a Bidder's inability to submit a complete Bid submission timely for any reason, any problems with internet connectivity, or the Bidder inability to access eVA. Bidders are encouraged to submit bids with sufficient time to resolve any technical problems they may experience.
7. The time for the receipt of bids shall be determined by the time clock in eVA. Bidders are responsible for ensuring that their bids are submitted in eVA by the deadline indicated.
8. All bids received in eVA by the deadline indicated will be kept sealed and unopened until the time and date set for the opening of bids.
9. All line items must be filled in. It is understood and agreed, if Bidder indicates a "0" dollar amount on the Bid Form, the product or service shall be provided at no charge.

EE. Successful Bidder's Obligation to Pay Subcontractors:

1. The Successful Bidder awarded the contract for this project shall take one of the two following actions within seven (7) days after the receipt of amounts paid to the Successful Bidder by the County for work performed by the Successful Bidder's subcontractor(s) under the contract (Va. Code § 2.2-4354):
2. Pay the subcontractor(s) for the proportionate share of the total payment received from the County attributable to the work performed by the subcontractor(s) under the contract; or
3. Notify the County and subcontractor(s), in writing, of their intention to withhold all or a part of the subcontractor's payment with the reason for nonpayment.

4. The Successful Bidder shall pay interest to the subcontractor(s) on all amounts owed by the Successful Bidder that remain unpaid after seven (7) days following receipt by the Successful Bidder of payment from the County for work performed by the subcontractor(s) under the contract, except for amounts withheld as allowed in subparagraph 1.(b) of this section. Unless otherwise provided under the terms of this contract, interest shall accrue at the rate of one percent (1%) per month.
5. The Successful Bidder 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(s).
6. The Successful Bidder's obligation to pay an interest charge to a subcontractor(s) pursuant to the payment clause in this section may not be construed to be an obligation of the County. A contract modification may not be made for the purpose of providing reimbursement for such interest charge and a cost reimbursement claim shall not include any amount for reimbursement for such interest charge.

FF. Successful Bidder's Performance:

1. Goods and services must be delivered and rendered strictly in accordance with this bid and shall not deviate in any way from the terms, conditions, prices, quality, quantity, delivery instructions, and specifications of this bid.
2. All goods and/or services delivered and/or rendered shall comply with all applicable federal, state, and local laws, and shall not infringe any valid patent or trademark. The Successful Bidder shall indemnify, keep, save, and hold the County, its officers and employees, harmless from any liability for infringement and from any and all claims or allegations of infringement by the Bidder or the County, its officers and employees, arising from, growing out of, or in any way involved with the goods delivered or services rendered pursuant to this purchase.
3. In the event that suit is brought against the County (including Henrico County Public Schools), its officers and/or its employees, either independently or jointly with the Successful Bidder, the Successful Bidder shall defend the County, its officers and employees, in any such suit at no cost to the County and the County's officers and employees. In the event that final judgment is obtained against the County, its officers, and/or its employees, either independently or jointly with the Successful Bidder, then the Successful Bidder shall pay such judgment, including costs and attorneys fees, if any, and hold the County, its officers and employees, harmless therefrom.
4. The Successful Bidder shall ensure that its employees shall observe and exercise all necessary caution and discretion so as to avoid injury to person or damage to property of any and all kinds.
5. The Successful Bidder shall not, in its product literature or advertising, refer to this purchase or the use of the Bidder's goods or services by the County, Virginia.
6. The Successful Bidder shall cooperate with County officials in performing the specified work so that interference with the County's activities will be held to a minimum.
7. The Successful Bidder shall be solely responsible for initiating, maintaining, and supervising all safety precautions and programs. The provisions of all rules and regulations governing safety as adopted by the Safety Codes Commission of the Commonwealth of Virginia and as issued by the Department of Labor and Industry under Title 40.1 of the Code of Virginia shall apply to all work under this purchase order.

GG. Taxes:

1. The County is exempt from the payment of federal excise or state sales taxes on all tangible, personal property for its use or consumption except taxes paid on materials that will be installed by the Bidder and become a part of real property.
2. If a Bidder is bidding on materials that require installation by the Bidder and become a part of real property, the applicable taxes shall be included in the lump sum bid price for the installation of the material and not as a separate charge for taxes. The taxes shall be an obligation of the Successful Bidder and not of the County, and the County shall be held harmless for same by the Successful Bidder.
3. The Purchasing Division will furnish a Tax Exemption Certificate (Form ST-12) upon request and if applicable to this contract.
4. When a Bidder lists a separate tax charge on the Bid Form and the tax is not applicable to the purchase by the County, the Bidder will be allowed to delete the tax from its bid.

HH. Termination of the Contract:

1. If the Successful Bidder should be adjudged bankrupt, or make a general assignment for the benefit of its creditors, or if a receiver should be appointed on account of the Successful Bidder's insolvency, or if the Successful Bidder should persistently or repeatedly refuse or should fail, except in cases for which extension of time is provided, to deliver the goods or services within the time specified, or if the Successful Bidder otherwise defaults, then the County may without prejudice to any other right or remedy, and after giving the Successful Bidder seven (7) calendar days written notice, terminate the employment of the Successful Bidder and procure such goods or services from other sources. In such event, the Successful Bidder shall be liable to the County for any additional cost occasioned by such failure or other default.
2. In such cases, the Successful Bidder shall not be entitled to receive any further payment. If the expense of finishing the contract requirements, including compensation for additional managerial and administrative services shall exceed the unpaid balance of the contract price, the Successful Bidder shall pay the difference to the County.
3. Notwithstanding anything to the contrary contained in the contract between the County and the Successful Bidder, the County may, without prejudice to any other rights it may have, terminate the contract for convenience and without cause, by giving 30 days written notice to the Successful Bidder.

II. Trade Secrets/Proprietary Information:

Subject to the limitations of Va. Code § 2.2-4342(F), trade secrets or proprietary information submitted by a Bidder in connection with this procurement transaction shall not be subject to public disclosure under the Virginia Freedom of Information Act; however, the Bidder must invoke the protection of this section prior to or upon submission of data or materials, and must identify the data or other materials to be protected and state the reasons why protection is necessary (Va. Code § 2.2-4342(F)).

JJ. Use of Brand Names/Product Information:

1. Unless otherwise provided in the Invitation for Bid, the name of a certain brand, make or manufacturer does not restrict Bidders to the specific brand, make or manufacturer named; it conveys the general style, type, character, and quality of the article desired, and any article which the public body in its sole discretion determines to be the equal of that specified, considering quality, workmanship, economy of operation, and suitability for the purpose intended, shall be accepted (Va. Code § 2.2-4315).

2. If bidding other than specified, the Bidder will clearly and specifically identify the product being offered and enclose complete and detailed descriptive literature, catalog cuts and specifications with the Bid Form to enable the Purchasing Division to determine whether the product offered meets the requirements of the solicitation. Safety Data Sheets and descriptive literature will be provided with the Bid Form for each chemical and/or compound offered. Failure to do so may cause the bid to be considered nonresponsive and rejected.
3. It shall be understood that the burden of proof for an “equal” product shall be and remain the sole responsibility of the Bidder. The County’s decision of approval or disapproval of a proposed alternate shall be final. Nothing herein is intended to exclude any responsible Bidder, its product or service or in any way restrain or restrict competition.

KK. Withdrawal of Bid Due to Error (Other than Construction):

1. A Bidder may withdraw its bid from consideration if the price bid was substantially lower than the next low responsive bid due solely to a mistake therein, provided the bid was submitted in good faith, and the mistake was a clerical mistake as opposed to a judgment mistake, and was actually due to an unintentional arithmetic error or an unintentional omission of a quantity of work, or material made directly in the compilation of a bid, which unintentional arithmetic error or unintentional omission can be clearly shown by objective evidence drawn from inspection of original work papers, documents and materials used in the preparation of the bid sought to be withdrawn.
2. The Bidder shall give written notice of their claim to withdraw their bid to the Purchasing Division within two business days after the conclusion of the bid opening procedure. (Va. Code § 2.2-4330). Written notice shall be emailed to the Purchasing Director at [kno008@henrico.us](mailto:kno008@henrico.us) with a copy to Justin M. Herbaugh at [her034@henrico.us](mailto:her034@henrico.us) and must include all work papers, documents and materials used in the preparation of the Bid.
3. The Purchasing Division will inspect the written evidence submitted by the Bidder with the request and if the Purchasing Division can verify to its satisfaction and sole discretion that the mistake was a non-judgmental mistake, the Bidder will be allowed to withdraw the bid.
4. No bid shall be withdrawn under this section when the result would be the awarding of the contract on another bid of the same Bidder or of another Bidder in which the ownership of the withdrawing Bidder is more than five percent (5%). (Va. Code § 2.2-4330C).
5. No Bidder who is permitted to withdraw a bid shall, for compensation, supply any material or labor to or perform any subcontract or other work agreement for the person or firm to whom the contract is awarded or otherwise benefit directly or indirectly from the performance of the project for which the withdrawn bid was submitted.
6. If a bid is withdrawn under authority of this section, the next lowest responsive and responsible Bidder shall be deemed to be the low Bidder.
7. If the Purchasing Division denies the withdrawal of a bid under the provisions of this section, it shall notify the Bidder in writing stating the reasons for its decision and award the contract to such Bidder at the bid price, provided such Bidder is a responsible and responsive Bidder.



LL. Occupational Safety & Health Policy Statement:

The Contractor shall comply with all applicable federal, state, and local occupational safety and health standards. The Contractor is required to abide by the County's Occupational Safety & Health Policy Statement: [https://henrico.us/pdfs/risk/h\\_safety\\_policy.pdf](https://henrico.us/pdfs/risk/h_safety_policy.pdf) which emphasizes maintaining a safe and healthy work environment for all employees, volunteers, and contractors who access County property and locations. The Contractor shall be properly trained and have any necessary certifications to carry out occupational safety and health policy responsibilities. The Contractor shall immediately communicate any concerns or incidents to the assigned County Project Manager and the County Risk Manager.

MM. Direct Contact with Students Certification:

Pursuant to Va. Code § 22.1-296.1, as a condition of awarding a contract for the provision of services that require the contractor or employees of the contractor to have direct contact with students on school property during regular school hours or during school-sponsored activities, the contractor shall provide certification of whether any individual who will provide such services has been convicted of any violent felony set forth in the definition of barrier crime in subsection A of Va. Code § 19.2-392.02; any offense involving the sexual molestation, physical or sexual abuse, or rape of a child; or any crime of moral turpitude.

Any individual making a materially false statement regarding any such offense is guilty of a Class 1 misdemeanor and, upon conviction, the fact of such conviction is grounds for the revocation of the contract to provide such services and, when relevant, the revocation of any license required to provide such services.

**The County cannot award a contract to a Bidder that does not complete the Attachment D as part of their submission.**

NN. Tobacco-Free Requirement:

Henrico County Public Schools ("HCPS") has a tobacco-free policy on school property. Therefore, the use or display of tobacco products by the Contractor, its suppliers and/or subcontractors on school property is strictly prohibited at all times, including days and/or hours when school is not in session. This includes, but is not limited to, outdoor areas of school properties and personal or business vehicles present on school property.

"Tobacco products" include any lit or unlit cigarette (including candy cigarettes), cigar, pipe, smokeless tobacco, dip, chew, and snuff in any form. This includes electronic cigarettes, cigarette packages, smokeless tobacco containers, lighters, and any other items containing or reasonably resembling tobacco, tobacco product images and tobacco company logos, such as key chains, t-shirts, ash trays, and coffee mugs.

"School property" includes land, buildings, facilities, and vehicles owned or rented by HCPS. School property includes parking lots, playgrounds and recreational areas.



**BID FORM**

County of Henrico  
Department of Finance  
Purchasing Division  
8600 Staples Mill Road  
P. O. Box 90775  
Henrico, Virginia 23273-0775

I/We hereby propose to furnish all tools, labor, and equipment necessary for, and incidental to, the installation of fencing and gates, in accordance with the enclosed general terms, conditions and specifications contained in **IFB No. 21-2259-11JMH**. The Bid Form must be completed in blue or black ink. Discrepancies in the multiplication of units of work and the unit prices will be resolved in favor of the correct multiplication of the unit prices. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum.

**PRICES QUOTED SHALL BE FOB DESTINATION. Freight charges shall be included in the bid price.**

**Quantities listed are an estimate only; actual usage could be more or less during the contract period.**

**PLEASE UTILIZE THE PROVIDED EXCEL BID PRICING SHEET.**

My/Our payment terms are:\_\_\_\_\_. If Bidder offers a cash discount for prompt payment, it will only be considered in determining the lowest responsible Bidder if the Bidder allows at least twenty (20) days for the prompt payment after the goods or services are received or after the invoice is rendered, whichever is later.

Indicate whether your business \_\_\_\_\_is or \_\_\_\_\_is not located in the County, if it is, please include a copy of your County business license with your bid.

I/We acknowledge the receipt of:

Addendum No.\_\_\_\_\_Dated\_\_\_\_\_.

Addendum No.\_\_\_\_\_Dated\_\_\_\_\_.

Addendum No.\_\_\_\_\_Dated\_\_\_\_\_.

**BID SIGNATURE SHEET**

My signature certifies that the bid as submitted complies with all requirements specified in this Invitation for Bid (“IFB”) 21-2229-9JMH – Fencing Repair and Replacement Services.

My signature also certifies that by submitting a bid in response to this IFB, the Bidder represents that in the preparation and submission of this bid, the Bidder did not, either directly or indirectly, enter into any combination or arrangement with any person or business entity, or enter into any agreement, participate in any collusion, or otherwise take any action in the restraining of free, competitive bidding in violation of the Sherman Act (15 U.S.C. Section 1) or Sections 59.1-9.1 through 59.1-9.17 or Sections 59.1-68.6 through 59.1-68.8 of the Code of Virginia.

I hereby certify that I am authorized to sign as a legal representative for the business entity submitting this bid.

LEGAL NAME OF BIDDER (DO <u>NOT</u> USE TRADE NAME):
ADDRESS:
SIGNATURE:
NAME OF PERSON SIGNING (print):
TITLE:
TELEPHONE:
FAX:
E-MAIL ADDRESS:
DATE:

## ATTACHMENT B BUSINESS CATEGORY CLASSIFICATION FORM

Company Legal Name: \_\_\_\_\_

This form completed by: Signature: \_\_\_\_\_ Title: \_\_\_\_\_

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

PLEASE SPECIFY YOUR BUSINESS CATEGORY BY CHECKING THE APPROPRIATE BOX(ES) BELOW.

(Check all that apply.)

- SMALL BUSINESS
- WOMEN-OWNED BUSINESS
- MINORITY-OWNED BUSINESS
- SERVICE-DISABLED VETERAN
- EMPLOYMENT SERVICES ORGANIZATION
- NON-SWaM (Not Small, Women-owned or Minority-owned)

**SUPPLIER REGISTRATION** – The County of Henrico encourages all suppliers interested in doing business with the County to register with eVA, the Commonwealth of Virginia’s electronic procurement portal, <http://eva.virginia.gov>.

eVA Registered?  Yes  No

If certified by the Virginia Minority Business Enterprises (DMBE), provide DMBE certification number and expiration date.

\_\_\_\_\_ NUMBER

\_\_\_\_\_ DATE

### DEFINITIONS

For the purpose of determining the appropriate business category, the following definitions apply:

**"Small business"** means a business, independently owned and controlled by one or more individuals who are U.S. citizens or legal resident aliens, and together with affiliates, has 250 or fewer employees, or annual gross receipts of \$10 million or less averaged over the previous three years. One or more of the individual owners shall control both the management and daily business operations of the small business.

**"Women-owned business"** means a business that is at least 51 percent owned by one or more women who are U.S. citizens or legal resident aliens, or in the case of a corporation, partnership, or limited liability company or other entity, at least 51 percent of the equity ownership interest is owned by one or more women who are U.S. citizens or legal resident aliens, and both the management and daily business operations are controlled by one or more women.

**"Minority-owned business"** means a business that is at least 51 percent owned by one or more minority individuals who are U.S. citizens or legal resident aliens, or in the case of a corporation, partnership, or limited liability company or other entity, at least 51 percent of the equity ownership interest in the corporation, partnership, or limited liability company or other entity is owned by one or more minority individuals who are U.S. citizens or legal resident aliens, and both the management and daily business operations are controlled by one or more minority individuals.

**"Minority individual"** means an individual who is a citizen of the United States or a legal resident alien and who satisfies one or more of the following definitions:

1. "African American" means a person having origins in any of the original peoples of Africa and who is regarded as such by the community of which this person claims to be a part.
2. "Asian American" means a person having origins in any of the original peoples of the Far East, Southeast Asia, the Indian subcontinent, or the Pacific Islands, including but not limited to Japan, China, Vietnam, Samoa, Laos, Cambodia, Taiwan, Northern Mariana Islands, the Philippines, a U.S. territory of the Pacific, India, Pakistan, Bangladesh, or Sri Lanka and who is regarded as such by the community of which this person claims to be a part.
3. "Hispanic American" means a person having origins in any of the Spanish-speaking peoples of Mexico, South or Central America, or the Caribbean Islands or other Spanish or Portuguese cultures and who is regarded as such by the community of which this person claims to be a part.
4. "Native American" means a person having origins in any of the original peoples of North America and who is regarded as such by the community of which this person claims to be a part or who is recognized by a tribal organization.

**"Service disabled veteran business"** means a business that is at least 51 percent owned by one or more service disabled veterans or, in the case of a corporation, partnership, or limited liability company or other entity, at least 51 percent of the equity ownership interest in the corporation, partnership, or limited liability company or other entity is owned by one or more individuals who are service disabled veterans and both the management and daily business operations are controlled by one or more individuals who are service disabled veterans.

**"Service disabled veteran"** means a veteran who (i) served on active duty in the United States military ground, naval, or air service, (ii) was discharged or released under conditions other than dishonorable, and (iii) has a service-connected disability rating fixed by the United States Department of Veterans Affairs.

**"Employment services organization"** means an organization that provides community-based employment services to individuals with disabilities that is an approved Commission on Accreditation of Rehabilitation Facilities (CARF) accredited vendor of the Department of Aging and Rehabilitative Services.

ATTACHMENT A

**VIRGINIA STATE CORPORATION COMMISSION (SCC)**  
**REGISTRATION INFORMATION**

**The Bidder:**

is a corporation or other business entity with the following SCC identification number:

\_\_\_\_\_ **-OR-**

is not a corporation, limited liability company, limited partnership, registered limited liability partnership, or business trust **-OR-**

is an out-of-state business entity that does not regularly and continuously maintain as part of its ordinary and customary business any employees, agents, offices, facilities, or inventories in Virginia (not counting any employees or agents in Virginia who merely solicit orders that require acceptance outside Virginia before they become contracts, and not counting any incidental presence of the Bidder in Virginia that is needed in order to assemble, maintain, and repair goods in accordance with the contracts by which such goods were sold and shipped into Virginia from Bidder's out-of-state location) **-OR-**

is an out-of-state business entity that is including with this bid/proposal an opinion of legal counsel which accurately and completely discloses the undersigned Bidder's current contacts with Virginia and describes why those contacts do not constitute the transaction of business in Virginia within the meaning of § 13.1-757 or other similar provisions in Titles 13.1 or 50 of the Code of Virginia.

Please check the following box if you have not checked any of the foregoing options but currently have pending before the SCC an application for authority to transact business in the Commonwealth of Virginia and wish to be considered for a waiver to allow you to submit the SCC identification number after the due date for bids:

ATTACHMENT C

BIDDER'S REFERENCE SHEET

Each Bidder shall complete this Bidder's Reference Sheet for evaluation by the County of Henrico and submit it with the Bid Form.

1. Years in Business: Indicate the length of time you have been in business providing this type of goods/services.

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2. Reference:

Indicate below a listing of at least 3 recent references for which you have provided this type of goods/services. Include the date service was furnished and the name and address of the client; and the name, email address and telephone number of the contact person.

1. Date: \_\_\_\_\_  
 Client: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Contact Person: \_\_\_\_\_  
 Phone Number: \_\_\_\_\_  
 Email: \_\_\_\_\_

2. Date: \_\_\_\_\_  
 Client: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Contact Person: \_\_\_\_\_  
 Phone Number: \_\_\_\_\_  
 Email: \_\_\_\_\_

3. Date: \_\_\_\_\_  
 Client: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 Contact Person: \_\_\_\_\_  
 Phone Number: \_\_\_\_\_  
 Email: \_\_\_\_\_

**ATTACHMENT D  
DIRECT CONTACT WITH STUDENTS**

Name of Bidder: \_\_\_\_\_

Pursuant to Va. Code § 22.1-296.1, as a condition of awarding a contract for the provision of services that require the contractor or employees of the contractor to have direct contact with students on school property during regular school hours or during school-sponsored activities, the contractor shall provide certification of whether any individual who will provide such services has been convicted of any violent felony set forth in the definition of barrier crime in subsection A of Va. Code § 19.2-392.02; any offense involving the sexual molestation, physical or sexual abuse, or rape of a child; or any crime of moral turpitude.

Any individual making a materially false statement regarding any such offense is guilty of a Class 1 misdemeanor and, upon conviction, the fact of such conviction is grounds for the revocation of the contract to provide such services and, when relevant, the revocation of any license required to provide such services.

**As part of this submission, I certify the following:**

- None of the individuals who will be providing services that require direct contact with students on school property during regular school hours or during school-sponsored activities have been convicted of a violent felony set forth in the definition of “barrier crime” in Va. Code § 19.2-392.02(A); an offense involving the sexual molestation, physical or sexual abuse, or rape of a child;**

**And (select one of the following)**

- None of the individuals who will be providing services that require direct contact with students on school property during regular school hours or during school-sponsored activities have been convicted of any felony or any crime of moral turpitude.**

**or**

- One or more individuals who will be providing services that require direct contact with students on school property during regular school hours or during school-sponsored activities has been convicted of a felony or crime of moral turpitude that is not set forth in the definition of “barrier crime” in Va. Code § 19.2-392.02(A) and does not involve the sexual molestation, physical or sexual abuse, or rape of a child. (In the case of a felony conviction meeting these criteria, the contractor must submit evidence that the Governor has restored the individual’s civil rights.).**

\_\_\_\_\_  
*Signature of Authorized Representative*

\_\_\_\_\_  
*Printed Name of Authorized Representative*

\_\_\_\_\_  
*Printed Name of Vendor  
(if different than Representative)*

**ATTACHMENT E  
Insurance Specifications  
County of Henrico**

The following insurance coverages and limits are required in order to provide goods, services, construction, professional and non-professional services to Henrico County general government agencies and Henrico County Public Schools. These requirements are specific to this procurement and may or may not be the same for future requests.

**Please be sure and review the Additional Requirements Section**

The Successful Bidder shall carry Public Liability Insurance in the amount specified below, including contractual liability assumed by the Successful Bidder, and shall deliver a Certificate of Insurance from carriers licensed to do business in the Commonwealth of Virginia and that is representative of the insurance policies. The Certificate shall show that the policy has been endorsed to add the County of Henrico and Henrico County Public Schools named as an additional insured for the Commercial General Liability coverage. **The certificate must not show in the description of operations section that is issued specific to any bid, job, or contract.** The coverage shall be provided by a carrier(s) rated not less than "A-" with a financial rating of at least VII by A.M. Best or a rating acceptable to the County. In addition, the Successful Bidder shall agree to give the County a minimum of 30 days prior notice of any cancellation or material reduction in coverage.

**Workers' Compensation**

Statutory Virginia Limits  
Employers' Liability Insurance - \$100,000 for each Accident by employee  
\$100,000 for each Disease by employee  
\$500,000 policy limit by Disease

**Commercial General Liability**

\$1,000,000 each occurrence including contractual liability for specified agreement  
\$2,000,000 General Aggregate (other than Products/Completed Operations)  
\$2,000,000 General Liability-Products/Completed Operations  
\$1,000,000 Personal and Advertising injury  
\$ 100,000 Fire Damage Legal Liability

**Business Automobile Liability** – including owned, non-owned and hired car coverage

Combined Single Limit - \$1,000,000 each accident

**Umbrella Liability**

\$2,000,000 Per Occurrence and in the aggregate

**Additional Requirements**

In addition to the requirements above, the Successful Bidder shall thoroughly review the scope of work that is included and if any of the following are included in the services that will be provided, the following additional insurance will be required, if checked:

- Professional Liability - \$2,000,000 Per Occurrence (or limit in accordance with statute for Medical Professional)**  
Required if the Scope includes providing advice or consultation including but not limited to; lawyers, bankers, physicians, programming, design (including construction design), architects & engineers and others who require extensive education and/or licensing to perform their duties.
- Cyber Liability - \$2,000,000 Per Occurrence**  
Required if the Scope includes the collection and electronic transmittal of Protected Health Information (PHI), or any other demographic data on individuals including but not limited to Name, Address, Social Security Numbers or any other sort of personally identifying information.
- Abuse and Molestation Coverage - \$1,000,000 Per Occurrence**  
Required if the scope of work includes the offering of professional or non-professional services to any child or student where one on one contact or consultation is to be provided.
- Pollution Liability - \$1,000,000 Per Occurrence**  
Required if the scope of work involves the use (other than in a motor vehicle) or removal of a substance or energy introduced into the environment that potentially has an undesired effect or affects the usefulness of a resource. These include, but are not limited to Asbestos, PCB's, Lead, Mold, and Fuels.
- Explosion, Collapse & Underground Coverage (XCU)**  
Required of a Contractor in limits equal to the General Liability Limit when the Scope includes any operations involving Blasting, any work underground level including but not limited to wires, conduit, pipes, mains, sewers, tanks, tunnels, or any excavation, drilling, or similar work.
- Builders Risk Coverage**  
Required if the scope of work includes the ground up construction of a structure. Limit of insurance shall be 100% of the completed value of the structure. For projects for the renovation of an existing structure, The County shall insure the Builder's Risk with the Contractor being responsible for the first \$10,000 of any claim.
- Other as Specified Below**

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**NOTE 1:** The commercial general liability insurance shall include contractual liability. The contract documents include an indemnification provision(s). The County makes no representation or warranty as to how the Bidder's insurance coverage responds or does not respond. Insurance coverages that are unresponsive to the indemnification provision(s) do not limit the Bidder's responsibilities outlined in the contract documents.

**NOTE 2:** The intent of this insurance specification is to provide the coverage required and the limits expected for each type of coverage. With regard to the Business Automobile Liability and Commercial General Liability, the total amount of coverage can be accomplished through any combination of primary and excess/umbrella insurance. This insurance shall apply as primary insurance and non-contributory with respect to any other insurance or self-insurance programs afforded the County of Henrico and Henrico County Public Schools. This policy shall be endorsed to be primary with respect to the additional insured.

**NOTE 3:** Title 65.2 of the Code of Virginia requires every employer who regularly employs three or more full-time or part-time employees to purchase and maintain workers' compensation insurance. If you do not purchase a workers' compensation policy, a signed statement is required documenting that you are in compliance with Title 65.2 of the Code of Virginia.

**NOTE 4:** The Certificate Holder Box shall read as follows:  
County of Henrico  
Risk Management  
PO Box 90775  
Henrico, VA 23273

**ATTACHMENT F****Installation Procedure for Galvanized Chain Link Fence, Gates, and Hardware**

1. Space posts equidistant in the fence line with a maximum of 10 feet on center or as shown on drawings.
2. Footings: Excavate holes as indicated for fence and gate posts. Excavate footings to depths and widths as noted in Specifications or on drawings. Install gravel drainage material in bottom of hole as shown on the drawings.
3. Setting Posts and Footings at Concrete Areas: Set posts in center of hole. Embed post so that bottom of post is flush with the bottom of concrete footing and in gravel drainage layer. Fill hole with concrete. Plumb and align posts. Vibrate or tamp concrete for consolidation. Finish elevation on top of footing to be coordinated with construction of concrete adjacent to posts or as shown on drawings. Do not attach fabric to posts until concrete has cured a minimum of 7 days.
4. Setting Posts and Footings in Grass Areas: Set posts in center of hole. Embed post so that bottom of post is flush the bottom of concrete footing and in gravel drainage layer. Fill hole with concrete. Plumb and align posts. Vibrate or tamp concrete for consolidation. Finish concrete in a dome shape above ground to shed water. Do not attach fabric to posts until concrete has cured a minimum of 7 days.
5. Locate corner posts at corners and at changes in direction. Use pull posts at all abrupt changes in grade and at intervals no greater than 500 feet. On runs over 500 feet, space pull posts evenly between corner or end posts. On long curves, space pull posts so that the strain of the fence will not bend the line posts.
6. Install top rail continuously through post caps or extension arms, bending to radius for curved runs. Install expansion couplings as recommended by fencing manufacturers.
7. Install intermediate rails in one piece between posts and flush with post on fabric side using special offset fittings where necessary.
8. Diagonally brace corner posts, pull posts, and terminal posts to adjacent line posts with truss rods and turnbuckles.
9. Attach fabric to playing field side of fence. Bottom of fabric to be set on finished grade of curb, track or playing field except when indicated otherwise. Thread stretcher bars through fabric using one bar for each gate and end post and two for each corner and pull post. Pull fabric tight so that the maximum deflection of fabric is 2 inches when a 30 pound pull is exerted perpendicular to the center of a panel. Maintain tension by securing stretcher bars to posts with metal bands spaced 15 inches oc. Fasten fabric to steel framework with wire ties spaced 12 inches oc for line posts and 24 inches oc for rails and braces. Bend back wire ends to prevent injury. Tighten stretcher bar bands, wire ties, and other fasteners securely.
10. Position bolts for securing metal bands and hardware so nuts are located opposite the fabric side of fence. Tighten nuts and score excess threads.
11. Secure post tops, extension arms, and caps with one-way cadmium plated steel screws. Install gates plumb and level and adjust for full opening without interference. Install ground-set items in concrete for anchorage, as recommended by fence manufacturer. Adjust hardware for smooth operation and lubricate where necessary. Attach fabric as for fencing. Install ground-set items in concrete as shown on the drawings.
12. Touch Up: Small nicks or other blemishes shall be touched up with paint materials suitable for and matching the finish of the damaged material. Severely damaged fencing / gates deemed as unacceptable at the sole discretion of the Owner or its representatives shall be replaced at the contractor's expense.

**ATTACHMENT G****Installation Procedure for Fusion Bonded Chain Link Fence, Gates, and Hardware**

1. Space posts equidistant in the fence line with a maximum of 10 feet on center or as shown on drawings.
2. Footings: Excavate holes as indicated for fence and gate posts. Excavate footings to depths and widths as noted in Specifications or on drawings. Install gravel drainage material in bottom of hole as shown on the drawings.
3. Setting Posts and Footings at Concrete Areas: Set posts in center of hole. Embed post so that bottom of post is flush with the bottom of concrete footing and in gravel drainage layer. Fill hole with concrete. Plumb and align posts. Vibrate or tamp concrete for consolidation. Finish elevation on top of footing to be coordinated with construction of concrete adjacent to posts or as shown on drawings. Do not attach fabric to posts until concrete has cured a minimum of 7 days.
4. Setting Posts and Footings in Grass Areas: Set posts in center of hole. Embed post so that bottom of post is flush the bottom of concrete footing and in gravel drainage layer. Fill hole with concrete. Plumb and align posts. Vibrate or tamp concrete for consolidation. Finish concrete in a dome shape above ground to shed water. Do not attach fabric to posts until concrete has cured a minimum of 7 days.
5. Locate corner posts at corners and at changes in direction. Use pull posts at all abrupt changes in grade and at intervals no greater than 500 feet. On runs over 500 feet, space pull posts evenly between corner or end posts. On long curves, space pull posts so that the strain of the fence will not bend the line posts.
6. Install top rail continuously through post caps or extension arms, bending to radius for curved runs. Install expansion couplings as recommended by fencing manufacturers.
7. Install bottom rails in one piece between posts and flush with post on fabric side using special offset fittings where necessary.
8. Horizontally brace corner posts, pull posts, and terminal posts to adjacent line posts with intermediate brace rail.
9. Diagonally brace corner posts, pull posts, and terminal posts to adjacent line posts with truss rods and turnbuckles.
10. At perimeter 6'-0" fence, attach fabric to security side of fence for lawn areas. Maintain a maximum 1 inch clearance above finished grade except when indicated otherwise. Thread stretcher bars through fabric using one bar for each gate and end post and two for each corner and pull post. Pull fabric tight so that the maximum deflection of fabric is 2 inches when a 30 pound pull is exerted perpendicular to the center of a panel. Maintain tension by securing stretcher bars to posts with metal bands spaced 15 inches oc. Fasten fabric to steel framework with wire ties spaced 12 inches oc for line posts and 24 inches oc for rails and braces. Bend back wire ends to prevent injury. Tighten stretcher bar bands, wire ties, and other fasteners securely.
11. Position bolts for securing metal bands and hardware so nuts are located opposite the fabric side of fence. Tighten nuts and score excess threads.
12. Secure post tops, extension arms, and caps with one-way cadmium plated steel screws.
13. Install gates plumb and level and adjust for full opening without interference. Install ground-set items in concrete for anchorage, as recommended by fence manufacturer. Adjust hardware for smooth operation and lubricate where necessary. Attach fabric as for fencing. Install ground-set items in concrete as shown on the drawings.
14. Touch Up: Small nicks or other blemishes shall be touched up with paint materials suitable for and matching the finish of the damaged material. Severely damaged fencing /gates deemed as unacceptable at the sole discretion of the Owner or its representatives shall be replaced at the contractor's expense.

**ATTACHMENT H**

**Installation Procedure for Ornamental Fence, Gates, and Hardware**

1. Install fence per fence industry standards and per manufacturer's instructions.
2. Set posts in concrete having a diameter 4 times the diameter of the post, and 6 inches deeper than the bottom of the post. Forms are not necessary or recommended.
3. Check each post for vertical and top alignment.
4. Attach panels to brackets using two 1/4-inch aluminum aircraft rivets.
5. Install and secure specified post tops.

**Installation Procedure for Polyvinyl Fence, Gates, and Hardware**

1. Install fence components, accessories, and gates in accordance with manufacturer's instructions.
2. Install posts at 6' on center maximum with 2" maximum clear opening from end posts to building walls. Brace posts adjacent to walls with wall anchor attachments.
3. Position bottom rails 1/2" above finished grade.
4. Support gates from gate posts. Do not attached hinge side of gate from building walls.
5. Install three hinges on each gate leaf, latch, catches and drop bolts where appropriate. Adjust gates for proper operation.