

ARLINGTON COUNTY DES ENGINEERING
SPECIAL CONDITIONS

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SUPPLEMENTS TO THE GENERAL CONDITIONS

These Conditions modify the Arlington County Construction General Conditions. All provisions that are not modified or deleted by these Supplemental Conditions shall remain in full force and effect.

The address system used in these Supplemental Conditions is the same as the address system used in the General Conditions, with the prefix "SC" added thereto.

ARTICLE B – DRAWINGS, SPECIFICATIONS AND RELATED DATA

SC-B.10 TESTS

Add the following new language to Paragraph B.10:

All materials testing shall be in compliance with the Arlington County Materials Testing Specification Reference. This document specifies the method and frequency of testing for Arlington County projects. A copy of this document is included in the bid documents. This shall be incidental to the work and no separate payment will be made.

The Contractor shall engage the services of a geotechnical company, acceptable to both the County and VDOT, to conduct all materials testing per the County and VDOT Specifications.

If it is observed that samples for testing are being improperly taken or that samples are being taken from an area that is not fully representative of all project conditions, then Contractor shall take and test additional samples at the County Project Officer's request from areas designated by the County Project Officer and at the Contractor's expense.

In addition, the Contractor shall provide the County with unfettered site access as needed for VDOT/County personnel or VDOT/County consultants to enter the site, inspect, and perform any additional testing for any and all materials (including soil, concrete, asphalt, etc.).

Compaction results must meet VDOT Specifications and be certified by a Geotechnical Engineer licensed in Virginia. This work shall be at no cost to the County.

SC-B.13 SURVEYS AND CONTROLS

Delete Paragraph B.13 in its entirety and insert the following in its place:

Unless otherwise stated, the County will provide horizontal and vertical reference points necessary for the Contractor to proceed with the Work. The Contractor shall carefully preserve all reference points, and in the case of destruction thereof by the Contractor or due to the negligence of the Contractor or of any subcontractor, the Contractor shall be responsible for expense and damage resulting therefrom and shall be responsible for any

mistakes or construction errors that may be caused by the loss or disturbance of such reference points. The Contractor shall be responsible for laying out the Work and shall retain a professional land surveyor licensed in the Commonwealth of Virginia to survey and provide all utilities location and designation layouts and to establish all control lines, grades, and elevations during construction.

ARTICLE C – COUNTY, COUNTY PROJECT OFFICER, AND CONTRACTOR RELATIONS

Site Supervisor:

The contractor shall have a qualified and experienced site supervisor who can clearly communicate technical matters on-site at all times when Test Hole, Utility Locating and Designating activity is occurring.

Safety Project Officer:

The contractor shall have at least one (1) employee certified by VDOT in Basic Work Zone Traffic Control on-site at all times that work is occurring and be responsible for the following:

- Placement, maintenance, and removal of work zone traffic control devices,
- Compliance with permit requirements and conditions, approved plans and specifications, the Virginia Work Area Protection Manual, and the Manual of Uniform Traffic Control Devices.

The flagger shall be certified in accordance with the VDOT Flagger Certification Program, the American Traffic Safety Services Association Flagger Certification Program or any other VDOT approved flagger program. The flagger shall have his/her certification card with them at all times while performing flagging activities.

The Contractor shall have at least one (1) employee certified in OSHA 10 on-site at all times that work is occurring. The employee shall have served as a Project Safety Officer on at least three (3) prior projects. If the contractor has multiple employees with these requirements, the Contractor shall clearly identify which employee shall serve as the Project Safety Officer.

SC-C.13 PROTECTION OF WORK AND PROPERTY

Add the following new language to Subparagraph C.13.c:

The Contractor shall be responsible for all damages caused by their test hole and utility locating activities. The Contractor shall perform or provide repairs, replacements, and restoration to all property that has been damaged resulting from construction operations performed by the Contractor, and shall meet the following requirements:

1. Restore all areas to conditions that existed prior to construction. Remove and Replace damaged items with items equal to or better than the damaged items.

ARTICLE E – LEGAL RESPONSIBILITY AND PUBLIC SAFETY

SC-E.2 PUBLIC CONVENIENCE

Add the following new language to Paragraph E.2:

The Contractor shall set up controls at the beginning of each work day and take down controls at the end of each work day for the duration of the project. At all times the Contractor shall maintain safe two-way vehicular traffic, and safe accessible pedestrian traffic in conformance with County and VDOT standards.

At all times the Contractor shall use the personnel and traffic control signs and devices necessary to comply with the Virginia Work Area Protection Manual and Part VI of the "National Manual on Uniform Traffic Control Devices." The Contractor has sole responsibility for ensuring that its operations are conducted in a safe manner and notwithstanding any other provision to the contrary, shall fully indemnify Arlington County, its officers, agents and employees for any damage or injury related to traffic operations which is caused by negligent or otherwise improper or deficient performance under the Contract or nonperformance of the terms of the Contract. All personnel, signs, barricades and any other items necessary for the maintenance of traffic and safety shall be provided by the Contractor.

When conditions warrant due to traffic volumes, patterns, or special events, the County may suspend or otherwise direct the Contractor's activities to protect the public and or the County's transportation network.

When the project includes a VDOT and/or County approved MOT Plan (or Plans), the Contractor shall strictly abide by this plan. If the Contractor proposes to deviate from the approved MOT Plan for a County road, it shall be the Contractor's responsibility to coordinate and obtain approval from the County Project Officer prior to implementing any changes. If the Contractor proposes to deviate from the approved MOT Plan for a VDOT road, it shall be the Contractor's responsibility to coordinate and obtain approval directly from VDOT prior to implementing any changes.

Prior to any lane closures within the VDOT Right-of-Way, the County Project Officer and VDOT Field Inspector must be notified in advance of such lane closure in accordance with VDOT requirements.

The Contractor shall not be entitled to any additional payment for changes to MOT which are the result of the Contractor's work schedule or resource allocation, weather delays, or other factors not controlled by the County.

Failure of the Contractor to correct any MOT deficiency immediately upon notification may result in the project being shut down until the deficiency is corrected, and a reduction from the amount of payment due in the amount of \$1,000.00 per violation. Repeated violations of this provision may result in contract termination.

At the close of each work day, the area of work shall be confined to the smallest area possible, but in no event larger than the area designated in the Construction Documents, so that the maximum use of the street and sidewalk shall be restored and the hazard to traffic reduced to the minimum.

The Contractor shall preserve all bus stops, including maintaining adequate accessibility through and adjacent to the construction for buses and their passengers. The Contractor shall not close, relocate, or otherwise modify a bus stop without prior request of the Project Officer. Any relocation or closure of a bus stop will require at least four weeks advance notice for coordination with the county's bus stop coordinator.

SC-E.10 SITE CLEAN-UP AND WASTE DISPOSAL

Add the following new language to Paragraph E.10:

The County's Earth Products Recycling Yard (located at 4300 29th Street South, Arlington, VA) shall **not** be used on an as-needed basis for unspecified quantities of waste (due in part to the limited size of the Yard). Although atypical, the Yard **may** be considered, on a case-by-case basis, for disposal of specific types/quantities of waste from County construction projects. In such cases disposal arrangements must be approved by the County Project Officer, be made in advance, depend on available space and the type/quantity of waste, and comply with certain requirements (for example, concrete shall be broken into pieces no longer than 24" in any dimension, contain less than 20% soil content, and be free of rebar).

ARTICLE F— PROGRESS AND COMPLETION OF THE WORK

SC-F.2 TIME FOR COMPLETION

Delete Paragraph F.2 and replace with the following language:

It is hereby understood and mutually agreed by and between the Contractor and the County that the Commencement Date, the rate of progress, and the Time for Completion of the Work to be done hereunder are essential conditions of the Contract. The Contractor agrees that the Work shall be started promptly upon receipt of a written Notice to Proceed in accordance with the accepted schedule. Additional time shall not be allowed for holidays or weather delays except as allowed in the contract.

ARTICLE G– MEASUREMENT AND PAYMENT

SC-G.1 PAYMENTS TO CONTRACTOR

Add the following new language to Section G.1:

Payment shall be based on the contract pricing provided on Exhibit B

SPECIAL CONDITIONS

These Special Conditions include any project-specific requirements in addition to the General Condition, Supplementary Specifications, and the County Standards Referenced herein.

1. **TEST HOLE UTILITY LOCATING AND DESIGNATING STANDARDS**

All work shall conform to ASCE's National Consensus Standard titled *ASCE C-1 38-02, Standard Guidelines for the Collection and Depiction of Existing Subsurface Utility Data*. The following County and VDOT construction standards and specifications also apply:

- **The Arlington County Department of Environmental Services (DES) Bike Parking Standards**, a copy of which may be downloaded at no charge from the internet at: <https://info.arlingtontransportationpartners.com/arlington-county-bike-parking-standards>
- **The Arlington County Department of Environmental Services (DES) Construction Standards and Specifications**, a copy of which may be downloaded at no charge from the internet at: <http://topics.arlingtonva.us/building/construction-standards-specifications/>
- **The Arlington County Department of Environmental Services (DES) Traffic Signal Specifications**, a copy of which may be downloaded at no charge from the internet at: <https://transportation.arlingtonva.us/traffic-signal-specification-updates/>
- **The Arlington County Department of Environmental Services (DES) Streetlight Specifications**, a copy of which may be downloaded at no charge from the internet at: <https://transportation.arlingtonva.us/streets/street-lights/lighting-standards-specifications-updates/>
- **The Arlington County Department of Environmental Services (DES) Pavement Marking Specifications**, a copy of which may be downloaded at no charge from the internet at: <http://transportation.arlingtonva.us/streets/traffic-signals/>
- **The Arlington County Department of Parks and Recreation (DPR) Specifications**, a copy of which may be downloaded at no charge from the internet at: <https://www.arlingtonva.us/Government/Departments/Parks-Recreation/About/Design-Standards>
- **The Virginia Department of Transportation (VDOT) Road and Bridge Standards and Specifications**, a copy of which may be downloaded at no charge from the internet at: <http://www.virginiadot.org/business/const/spec-default.asp>
- **The Virginia Work Area Protection Manual (WAPM)**, a copy of which may be downloaded at no charge from the internet at: <https://www.virginiadot.org/business/trafficeng-WZS.asp>
- **Manual on Uniform Traffic Control Devices(MUTCD)**, a copy of which may be downloaded at no charge from the internet at: http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/pdf_index.htm

- **The Arlington County Department of Environmental Services (DES) Dechlorination and Disposal Procedures**, a copy of which may be downloaded at no charge from the internet at: <https://www.arlingtonva.us/Government/Programs/Water-Utilities/Discharging-Chlorinated-Water>
- **The Supplementary Specifications listed within the Contract.**

In case of a discrepancy, the following order of priority will apply, with the highest governing item appearing first and the least governing item appearing last:

The Contract Pricing
 Special Conditions
 Contract Drawings
 Supplemental Specifications
 Arlington County Construction Standards and Specifications
 External Agency Specifications

2. PERMITS

Permits required for the project include, but are not limited to:

- **County Public Right-Of-Way (PROW) permit**
- **County Transportation Right-Of-Way(TROW) permits**
- **VDOT Land Use permit**
- **VDOT Open Cut permit**

All fees for County permits will be waived by Arlington County.

The Contractor shall obtain the County PROW permit, the County TROW permits and the County Water Meter and Fire Hydrant permits. The Contractor is responsible for investigating and satisfying all permit requirements for the above-mentioned permits.

3. SCHEDULE, DURATION, AND PHASING REQUIREMENTS

The contractor shall complete and deliver all Testhole Utility Locating and Designating task orders within fifteen (15) Calendar days of receiving notice to proceed (NTP). For the combined Utility Locating and Designating services the contractor shall complete and deliver required deliverables within (21) calendar days of receiving the NTP.

The Contractor may request an extension justified by site situations and extent of the task order followed by an alternative schedule. The project officer may grant the extension if the site situations warrants it and the finds the alternative schedule acceptable.

4. WORK HOURS

The Contractor shall comply with **normal daytime working hours** as defined in the County Noise Control Ordinance unless otherwise defined by the project plans and specifications, or approved by the Project Officer.

The Contractor shall comply with **restricted working hours** of 9:00 am to 3:00 pm when working in Arlington County arterial streets unless otherwise indicated on the Maintenance of Traffic Plans for each project.

The Contractor shall comply with **restricted working hours** as defined by VDOT and as noted on the approved VDOT permit when working within the VDOT Right-Of-Way. For restricted work hours in VDOT ROW, see attached "Lane Closure Guidelines in NOVA District". The Contractor is responsible for satisfying all VDOT Permit requirements found at: <http://www.virginiadot.org/business/fairfax-permits-main.asp>.

In addition, the County reserves the right to restrict working days and hours to accommodate special site conditions as required.

5. GENERAL SITE SECURITY AND CONTROLS

The Contractor is responsible for securing its work area for safety and security. The Contractor shall confine its construction and presence to the Limits of Work, unless otherwise approved by the County Project Officer.

The Contractor shall provide, erect, and maintain barricades, fences, and/or signage as required to protect the general public, workers, and adjoining properties at no additional cost to the County. Before leaving the site at the end of each day, the Contractor shall replace any and all sections of the security fence or barricade moved or removed during work hours.

The Contractor shall maintain clear vehicular access to existing driveways and entrances at all times unless such access is otherwise addressed on County-approved project plans, precluding concrete pouring and curing of such access points, unless otherwise directed by the County Project Officer.

Homeowners shall be notified by the Contractor a minimum of fourteen (14) calendar days in advance of any driveway closure, and driveways can only be closed for a maximum of five (5) calendar days.

The Contractor shall monitor parking of construction personnel's private vehicles and ensure that the public has unobstructed access to and through parking areas.

6. SPECIAL TRAFFIC MAINTENANCE CONSIDERATIONS

If and when contractor believes that it is necessary to have Arlington County Police Officer(s) present to direct or monitor road users at Test hole and/or Utility Locating and designating site - at Contractors own expenses - Contact Arlington County Police 703-228-7460 for assistance at least two weeks prior to start of planned Test hole and/or Utility Locating Work

7. TRAFFIC SIGNALS AND STREETLIGHTS

N/A

8. UNLISTED WORK

The Bidder shall submit pricing for Unlisted Work that includes a schedule of equipment and labor hourly rates in the space provided on the Bid Form. Unlisted Work shall be determined in one or more of the following ways:

- Written estimate and acceptance by the County in a lump sum using the bid hourly rates,
- Cost-reimbursement using the bid hourly rates, or
- Other authorized method permitted under the Arlington County Purchasing Resolution.

9. JOB SIZE LIMITATION & ESTIMATED ACTIVITY

The size of the assigned jobs may vary throughout the contract term, but shall not exceed \$500,000 (Five hundred thousand dollars) per project assignment. Sample projects depicting type, scope, breath, and nature of work intended are provided as samples.

10. OTHER COUNTY CONTRACTS

Arlington County may solicit separate bids for work specified under this contract which may include items or services from other projects.

11. OTHER SPECIAL PROVISIONS

A. Pay Item # 1 through 3:

The payment for all test holes shall include, marking the exact location of the holes, permits, mobilization / demobilization, maintenance of traffic needed for the work, excavation, restoring the test holes to original conditions in accordance with - II scope of services – section # 3 and providing the test hole results in log / test hole form with the necessary sketches, notes and measurements.

B. Pay Item # 3:

This pay item shall only be used for excavation at signal pole locations to determine if there are any utilities or other obstructions that might conflict with the footing of the poles. This pay item shall not require geotechnical analysis.

C. Pay item # 4:

This pay item shall be used when the pavement where the test holes are passing through exceeds more than 8" in depth (thickness). With each task order proposal, the contractor may originally provide general reasonable estimate in for pavement thicknesses more than 8". After the test holes are completed, the invoice for this surcharge shall be based on actual measurements of the extra thickness.

D. Pay item # 5:

The payment for this pay item shall include, marking the exact location of the core samples, permits, mobilization / demobilization, maintenance of traffic needed for the work, extracting the samples, restoring the area at and around the core sample location to original conditions in accordance with - II scope of services – section # 3 and providing the samples extracted in accordance with II scope of services – section # 2.4 and delivery. This pay item shall be used only for pavement core samples specifically requested by the project officer.

E. Pay item # 6:

This pay item shall be used for locations where holes for the tests need to penetrate in excess of 6 feet below the existing surface of pavement. With each task order proposal the contractor may provide general reasonable estimate of the additional depth anticipated based on available records and judgement. After the test holes are completed, the invoice for this surcharge shall be based on actual measurements of the extra depth at each test hole location.

F. Pay item # 7:

This pay item shall only be used with advance approval from the Project Officer based on a common understanding of the Complexity and extensive nature of each project considered for the Test Hole and Utility Location Services. Complex projects shall generally be those

projects located in VDOT and Federal Rights-of-way and County Arterial Street A-D typology in accordance with the County's Master Transportation Plan.

G. Pay item # 8 & 10:

The Lineal Feet for this pay item with each task order shall be estimated based on the sum of the lengths of all underground utilities requested to be located and designated under the task order.

If in a task order it is estimated that there will be "A" feet length of underground electric; "B" feet length of watermain, "C" feet length of gas and "D" feet length of cable; and the sum of the lengths of all the underground utilities $A+B+C+D$ is $> 5,300$ feet then line items # 8 or 10 shall be used.

SUPPLEMENTS TO THE DES CONSTRUCTION STANDARDS AND SPECIFICATIONS

Modify the listed sections as follows:

SECTION 01000 – GENERAL PROVISIONS & REQUIREMENTS

PART 4 MEASUREMENT & PAYMENT

PARAGRAPH 4.2

Delete

Section 4.2 A and B

Add

There shall be no payment for Mobilization and Demobilization for the Test Hole Utility Locating and Designating Services.

SECTION 01550 – MOBILIZATION

PART 4 MEASUREMENT & PAYMENT

PARAGRAPH 4.1 to 4.3

Delete

The whole Part 4 – 1.4 to 4.3

Add

There shall be no separate payment for Maintenance of Traffic. All Maintenance of Traffic Work that the Contractor considers to be necessary to carry out the Test Hole Utility Location & Designation services shall be considered incidental to the work under this contract.

(b) THIS LINE INTENTIONALLY LEFT BLANK