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AECOM Technical Services, Inc.  
10 S. Jefferson Street, Suite 1600  
Roanoke, Virginia 24011

Project: Fallowater Lane Extension  
Roanoke County, VA

Bid Due Date: May 19, 2021

Addendum Date: May 7, 2021

VDOT UPC 112304, VDOT Project No.: 9999-080-926,  
P101, R201, C501  
Roanoke County Project No. 2021-068

#### Addendum No. 1

The following information shall modify the contract documents, and the work shall be accomplished in accordance with such stated modifications. It is suggested that this addendum be stapled to the back of the front cover of the project manual.

#### Project Manual

##### Bid Form for Construction Contract

- a. The Bid Form for Construction Contract shall be replaced in its entirety with the attached Bid Form for Construction Contract.

##### Modified Form of Agreement between Owner and Contractor for Construction Contract

- a. Article 4 –Days to Achieve Substantial Completion for Final Payment, Paragraph 4.02, A, replace the paragraph in its entirety as follows: The work will be substantially complete on or before May 31, 2022, and completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before June 30, 2022.

##### Virginia Department of Transportation Road and Bridge Specifications

The following documents have been added to the Project Manual under Appendix B: SP109-000100-03, Asphalt Material Price Adjustment, and SP109-000110-00, Optional Adjustment For Fuel.

#### Questions and Responses

1. Question/Comment: An asphalt fuel adjustment special provision has not been included in the contract documents. Will one be included?  
Response: The special provision for asphalt adjustment has been included.
2. Question/Comment: A fuel adjustment special provision has not been included in the contract documents. Will one be included?  
Response: The special provision for fuel adjustment has been included.
3. Question/Comment: Is a Field Office necessary for this project?  
Response: The Field Office bid item has been removed from the Bid Form

Addendum No. 1  
VDOT UPC 112304, VDOT Project No.: 9999-080-926, P101, R201, C501

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4. Question/Comment: Have any Borrow sources been identified for the project?  
Response: None have been identified at this time. This is the contractor's responsibility.
5. Question/Comment: It appears that the proposed water line is in conflict with the existing water line along several stretches of the water line work, how will water service be maintained to property owners?  
Response: The Contractor has the option of providing a temporary water service solution as needed or performing water line work at night to not disrupt water service to adjacent property owners.
6. Question/Comment: The bid proposal includes a pay item for 1600 CY of Select Fill Material Type II, Min. CBR 20. Could you identify where this material will be used?  
Response: This material is used as bedding and backfill material for the proposed Water and Sanitary lines.
7. Question/Comment: The County's consultant (MBP) has subcontracted Acceptance testing to ECS. As ECS is independent of the contractor and since the County is performing Acceptance testing and Verification testing is therefore not required, is there a need for the contractor to perform QC testing?  
Response: Yes, the Contractor is performing Acceptance Testing (QC Testing) & MBP/ECS is performing Independent Assurance (IA) Testing and VST as described in the Appendix C included in the CQAP (included in the Project Manual). Different frequencies, with QC being the most frequent.
8. Question/Comment: Can you provide a detail for Structures 3-1 and 3-2?  
Response: Sufficient information is in the plan and drainage description to construct Structure 3-1; no additional detail will be provided. Structure 3-2 is a standard VDOT JB-1, no additional detail will be provided.
9. Question/Comment: It appears excavation required to make the connection of Structure 3-2 to the existing 54" pipe will damage the trench drain at the Shell entrance. Can a bid item for replacement of the trench drain be added?  
Response: The Contractor shall construct the drainage structures and pipes in such a way that the trench drain at the entrance to Parcel 009 is not impacted. Sufficient space is available to not impact the trench drain. The trench drain in question is on the current R/W line and thus cannot be impacted.

#### General

The following items were discussed at the Pre-Bid Meeting:

1. There is no federal funding on the project; therefore, the DBE Requirement for this project is 0%.
2. The contractor selected for this project will not have to comply with federal labor standards (this includes appropriate wage rates for labor).
3. Testing for the project is the responsibility of the contractor and shall be in accordance with the current VDOT LAP Manual.
4. Traffic Control will be in accordance with the current Virginia Work Area Protection Manual, Revision 2. Access to businesses will be maintained at all times.

5. The pre-bid meeting agenda covers any other items that were discussed that are not listed above.

Attached for information only is a list of attendees at the Non-Mandatory Pre-Bid Meeting along with the agenda.

AECOM Technical Services, Inc.

**2021-068**  
**Sign-In**  
**Pre-Bid Meeting**  
**May 3, 2021 2:00 PM**

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Name/Title Dawn M. Rago, Buyer

Organization Roanoke County, Purchasing

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Email drago@roanokecountyva.gov

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Name/Title Scott Hodge, PROJECT MANAGER

Organization AECOM

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Name/Title RANDY Coffey Contractor

Organization A.R. Coffey & SONS

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Name/Title FRANK CALDWELL IV SUPPLIER

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Name/Title DUSTIN BROOKMAN

Organization AECOM

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2021-068  
Sign-In  
Pre-Bid Meeting  
May 3, 2021 2:00 PM

(PLEASE PRINT)

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Name/Title Patrick LEARY

Organization Allegheny Construction Co

Telephone 540-345-0817 Fax

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Name/Title Hunter Marshall - Estimator

Organization Adams Construction Co

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Name/Title Megan Cronise, Transportation Planning Administrator

Organization Roanoke County

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Name/Title

Organization

Telephone  Fax

Email

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**2021-068**  
**Sign-In**  
**Pre-Bid Meeting**  
**May 3, 2021 2:00 PM**

**(PLEASE PRINT)**

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Name/Title David HENDERSON County Engineer

Organization ROANOKE COUNTY

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Name/Title \_\_\_\_\_

Organization \_\_\_\_\_

Telephone \_\_\_\_\_ Fax \_\_\_\_\_

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Organization \_\_\_\_\_

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Name/Title \_\_\_\_\_

Organization \_\_\_\_\_

Telephone \_\_\_\_\_ Fax \_\_\_\_\_

Email \_\_\_\_\_

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Name/Title \_\_\_\_\_

Organization \_\_\_\_\_

Telephone \_\_\_\_\_ Fax \_\_\_\_\_

Email \_\_\_\_\_

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**PRE-BID CONFERENCE AGENDA**OWNER: County of RoanokePROJECT: Fallowater Lane ExtensionVDOT UPC 112304, VDOT Project No.: 9999-080-926, P101, R201, C501  
County Project No. 2021-068 (Non-Mandatory)PROJ. NO. 60578978 TIME: 2:00 p.m. DATE: May 3, 2021

## 1. Review Bid Submission Requirements:

- Required Forms – Noted in the Project Manual.
- Bid Schedule - all items including 0 quantity items must be filled out.
- All Addenda must be acknowledged on the Bid Form.
- Bid Guarantee – 5% Bid Bond or Cashier's Check
- Bidders shall be prequalified with the Commonwealth of Virginia as per Article 3 – Qualifications of Bidders in the Instructions to Bidders for Construction Contract.
- Bids received at the Office of the County of Roanoke, 5204 Bernard Drive, Suite 300F, Roanoke, VA, 24018 by 2:00 p.m. on Wednesday, May 19, 2021 where the bids will be read aloud at that time.
- All requests for clarification or additional information must be made to Ms. Dawn Rago at the County of Roanoke Finance Department Purchasing Division:
  - Fax: 540-857-3180 or
  - Email: [DRAGO@roanokecountyva.gov](mailto:DRAGO@roanokecountyva.gov)
  - **Requests must be received by 5:00PM on May 12, 2021 to be considered.**
  - **Fallowater Lane Extension must appear in the subject line of the e-mail.**

## 2. Civil Rights / DBE Requirements (0%)

3. Award of Contract will be to the responsible bidder submitting the lowest responsive bid as determined by the County of Roanoke if the project is within available funds.
4. Work shall be completed within 210 days. The work shall be substantially complete at 180 days. The contractor shall submit a preliminary construction schedule within 10 days of award and will be finalized per technical specification Section 01 30 00,

Administrative Requirements and will be maintained throughout construction. This schedule shall be updated and presented with each pay application. Liquidated Damages are \$600/day for both substantial completion and final completion.

## 5. Project Description

- The project area is defined as the area required to improve Fallowater Lane from Route 419 to Almond Road including the improvements along Almond Road as shown in the plans.
- Work of this proposed Contract includes demolition of existing roadway, earthwork and grading, placement of storm sewer structures and pipe, construction of roadbed and paving, sidewalks, retaining walls, sanitary sewer installation, and water line installation. The Basic Services also include coordination with existing utility owners and VDOT.

## 6. Site Specifics

- Traffic Control – all work performed within the public right of way shall be protected with signage and traffic safety devices in accordance with the 2011 Virginia Work Area Protection Manual, Revision 2. The contractor must supply all necessary traffic control equipment. Access to existing businesses will be maintained at all times.
- Right of Way – Has been cleared
- Utilities – Are in process of being relocated. AEP is the owner of the overhead poles. There are minor gas line adjustments that will need to be coordinated during construction as noted in the plans.
- Existing Cemetery
- In-plan water and sanitary sewer work
- Geotechnical Report
- Construction QA/QC Plan

## 7. Work Hours

Work zone active hours along Fallowater Lane are unrestricted. Work impacting Route 419 (Electric Road) is restricted to nighttime work between 9PM and 7AM. Please refer to the TMP.

## 8. Permits

- VSMP/SWPPP
- Land Disturber Permit
- VDOT Land Use Permit

## 9. Site Visit – After the pre-bid meeting at the Mexican restaurant on site.

## 10. Questions

# BID FORM FOR CONSTRUCTION CONTRACT

The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

## ARTICLE 1—OWNER AND BIDDER

1.01 This Bid is submitted to:

Finance Department Purchasing Division, County of Roanoke, VA  
5204 Bernhard Drive, Suite 300F, Roanoke, Virginia 24018

1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

## ARTICLE 2—ATTACHMENTS TO THIS BID

2.01 The following documents are submitted with and made a condition of this Bid:

- A. Required Bid security;
- B. List of Proposed Subcontractors;
- C. List of Proposed Suppliers;
- D. Evidence of authority to do business in the state of the Project; or a written covenant to obtain such authority within the time for acceptance of Bids;
- E. Contractor's license number as evidence of Bidder's State Contractor's License or a covenant by Bidder to obtain said license within the time for acceptance of Bids;
- F. Required Bidder Qualification Statement with supporting data

## ARTICLE 3—BASIS OF BID— UNIT PRICES

3.01 *Unit Price Bids*

- A. Bidder will perform the following Work at the indicated unit prices:

VDOT Item No.	Description	Unit	Estimated Quantity	Bid Unit Price	Bid Amount
00100	Mobilization	LS	1	\$	
00101	Construction Surveying (Construction)	LS	1	\$	
00110	Clearing and Grubbing	LS	1	\$	
00120	Regular Excavation	CY	1845	\$	
00140	Borrow Excavation	CY	1990	\$	
00211	Minor Str. Excav. Pipe Culvert	CY	38	\$	
00282	Select Material Ty. II Min CBR 20	CY	1600	\$	
00525	Concrete Class A3 Misc.	CY	18	\$	
00560	Structural Steel JB-1	LBS	1104	\$	

EJCD® C-410, Bid Form for Construction Contract.

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01156	Storm Sewer Pipe 15"	LF	565		\$
01186	Storm Sewer Pipe 18"	LF	409		\$
01546	Storm Sewer Pipe 54"	LF	15		\$
02222	34" X 22" Elliptical Conc. Pipe	LF	90		\$
06150	15" End Section ES-1 or 2	EA	2		\$
06740	Drop Inlet DI-1	EA	2		\$
06817	Drop Inlet DI-3B, L=4'	EA	2		\$
06820	Drop Inlet DI-3B, L=10'	EA	10		\$
07508	Drop Inlet DI-7	EA	1		\$
09056	Manhole MH-1 or 2	LF	12.5		\$
09057	Frame & Cover MH-1	EA	3		\$
09150	Erosion Control Stone Class I, EC-1	TON	15		\$
10128	Aggr. Base Matl. Ty. I No. 21B	TON	2141		\$
10610	Asphalt Concrete Ty. IM-19.0A	TON	336		\$
10636	Asphalt Concrete Ty. SM-9.5D	TON	336		\$
10642	Asphalt Concrete Base Course Ty. BM-25.0A	TON	914		\$
11070	NS Saw-Cut Asph. Conc. (Full Depth Saw Cut)	LF	600		\$
12022	Radial Curb CG-2	LF	6		\$
12600	Std. Comb. Curb & Gutter CG-6	LF	1414		\$
12610	Rad. Comb. Curb & Gutter CG-6	LF	358		\$
13108	CG-12 Detectable Warning Surface	SY	14		\$
13212	R/W Monument RM-2	EA	28		\$
13220	Hydr. Cement Conc. Sidewalk 4"	SY	392		\$
13530	Retaining Wall RW-3	CY	103		\$
13561	Porous Backfill	CY	39		\$
13565	Retaining Wall Excavation	CY	170		\$
14260	Crusher Run Aggr. No. 25 or 26	TON	58		\$
24100	Allaying Dust	HR	210		\$
24152	Type 3 Barricade 8'	EA	2		\$
24160	Temporary (Construction) Signs	SF	296		\$
24278	Group 2 Channelizing Devices	DAY	20158		\$
24279	Portable Changeable Message Sign	HR	672		\$
24282	Flagger Service	HR	800		\$
24430	Demolition of Pavement (Flexible)	SY	2846		\$
25003	Handrail HR-1 Type II	LF	410		\$
26127	Dry Riprap Cl. I 26"	TON	131		\$
27012	Topsoil Class A 2"	ACRE	0.53		\$
27101	Temporary Seed	LB	53		\$
27102	Regular Seed	LB	76		\$
27103	Overseeding	LB	61		\$
27104	Legume Seed	LB	7		\$
27105	Legume Overseeding	LB	6		\$
27110	Hydraulic Erosion Control Product Type 1	SY	1210		\$
27112	Hydraulic Erosion Control Product Type 3	SY	4562		\$
27230	Fertilizer Nitrogen - N	LB	51		\$
27231	Fertilizer Phosphorus - P	LB	70		\$
27232	Fertilizer Potassium - K	LB	35		\$
27250	Lime	TON	2.39		\$
27321	Rolled Erosion Control Product EC-2 Type 4	SY	400		\$
27415	Check Dam (Rock) Ty. II	EA	18		\$

27422	Dewatering Basin EC-8	EA	1		\$
27430	Siltation Control Excavation	CY	608		\$
27440	Mowing	HR	40		\$
27451	Inlet Protection Type A	EA	7		\$
27461	Inlet Protection Type B	EA	12		\$
27505	Temp. Silt Fence Type A	LF	1800		\$
40081	8" DI Water Main	LF	900		\$
41008	8" Gate Valve & Box	EA	5		\$
41403	Connect to Existing Watermain with 8"x8" Cut in Tee	EA	1		\$
41815	2" Blow off Valve and Box Assembly	EA	1		
40003	1" Water Service Line	LF	86		
41820	Fire Hydrant	EA	1		\$
42080	8" Sanitary Sewer Pipe	LF	540		\$
42064	6" Sanitary Service Lateral Connection	LF	40		
42755	Sanitary Sewer Manhole	LF	56		\$
42758	Manhole Frame and Cover WF & C-1	EA	3		\$
42846	6" Sewer Cleanout	EA	2		
42847	8" Sewer Cleanout	EA	1		
50108	Sign Panel	SF	45		\$
50430	Sign Post STP-1, 2", 14 Gauge	LF	60		\$
50485	Concrete Foundation STP-1, Type A	EA	5		\$
54020	Type A Pavement Line Marking 4"	LF	258		\$
54043	Ty. B Cl. I Pave. Line Mark. 4"	LF	1676		\$
54048	Ty. B Cl. II Pave. Line Mark. 24"	LF	30		\$
Total of All Unit Price Bid Items					\$

B. Bidder acknowledges that:

1. each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item, and
2. estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Work will be based on actual quantities, determined as provided in the Contract Documents.

#### ARTICLE 4—TIME OF COMPLETION

4.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.

4.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

#### ARTICLE 5—BIDDER'S ACKNOWLEDGEMENTS: ACCEPTANCE PERIOD, INSTRUCTIONS, AND RECEIPT OF ADDENDA

##### 5.01 *Bid Acceptance Period*

A. This Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

5.02 *Instructions to Bidders*

- A. Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security.

5.03 *Receipt of Addenda*

- A. Bidder hereby acknowledges receipt of the following Addenda:

Addendum Number	Addendum Date

**ARTICLE 6—BIDDER'S REPRESENTATIONS AND CERTIFICATIONS**

6.01 *Bidder's Representations*

- A. In submitting this Bid, Bidder represents the following:
  1. Bidder has examined and carefully studied the Bidding Documents, including Addenda.
  2. Bidder has visited the Site, conducted a thorough visual examination of the Site and adjacent areas, and become familiar with the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
  3. Bidder is familiar with all Laws and Regulations that may affect cost, progress, and performance of the Work.
  4. Bidder has carefully studied the reports of explorations and tests of subsurface conditions at or adjacent to the Site and the drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, with respect to the Technical Data in such reports and drawings.
  5. Bidder has carefully studied the reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, with respect to Technical Data in such reports and drawings.
  6. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and the Technical Data identified in the Supplementary Conditions or by definition, with respect to the effect of such information, observations, and Technical Data on (a) the cost, progress, and performance of the Work; (b) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, if selected as Contractor; and (c) Bidder's (Contractor's) safety precautions and programs.
  7. Based on the information and observations referred to in the preceding paragraph, Bidder agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.

8. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
9. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and of discrepancies between Site conditions and the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.
10. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.
11. The submission of this Bid constitutes an incontrovertible representation by Bidder that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

#### 6.02 *Bidder's Certifications*

- A. The Bidder certifies the following:
  1. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation.
  2. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid.
  3. Bidder has not solicited or induced any individual or entity to refrain from bidding.
  4. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 8.02.A:
    - a. Corrupt practice means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process.
    - b. Fraudulent practice means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition.
    - c. Collusive practice means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels.
    - d. Coercive practice means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

BIDDER hereby submits this Bid as set forth above:

Bidder:

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*(typed or printed name of organization)*

By:

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*(individual's signature)*

Name:

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*(typed or printed)*

Title:

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*(typed or printed)*

Date:

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*(typed or printed)*

*If Bidder is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.*

Attest:

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*(individual's signature)*

Name:

---

*(typed or printed)*

Title:

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*(typed or printed)*

Date:

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*(typed or printed)*

Address for giving notices:

---

---

Bidder's Contact:

Name:

---

*(typed or printed)*

Title:

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*(typed or printed)*

Phone:

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Email:

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Address:

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Bidder's Contractor License No.: (if applicable)

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**GUIDELINES —** For all projects containing eligible asphalt materials on the attached master list.

[\*\*SP109-000100-03\*\*](#)

VIRGINIA DEPARTMENT OF TRANSPORTATION  
SPECIAL PROVISION FOR  
**ASPHALT MATERIAL PRICE ADJUSTMENT**

September 6, 2019

All asphalt material contained in the attached master listing of eligible bid items and designated by pay items in the contract will be price adjusted according to the provisions as set forth herein. Other items will not be adjusted, except as otherwise specified in the Contract. If new pay items which contain asphalt material are established by Change Order, they will not be subject to Price Adjustment unless specifically designated in the Change Order to be subject to Price Adjustment.

Each month, the Department will publish an average state-wide PG 64S-22 f.o.b. price per ton and an average PG 64E-22 f.o.b. price per ton developed from the average terminal prices provided to the Department from suppliers of asphalt cement to contractors doing work in Virginia. The Department will collect terminal prices from approximately 12 terminals each month. These prices will be received once each month from suppliers on or about the last weekday of the month. The high and low prices will be eliminated and the remaining values averaged to establish the average statewide price for the following month. The monthly state-wide average price will be posted on the Construction Division website on or about the first weekday of the following month. In the event the average prices were to change by 10 percent or more of the Base Index during the middle of the month the Contractor can submit a letter to the Department and supplier that provides evidence of the difference in price. Upon receipt of the letter consideration will be given to extend additional adjustments as deemed necessary.

This monthly statewide average price will be the Base Index for all contracts on which bids are received during the calendar month of its posting and will be the Current Index for all asphalt placed during the calendar month of its posting. In the event an index changes radically from the apparent trend, as determined by the Engineer, the Department may establish an index which it determines to best reflect the trend.

The amount of adjustment applied will be based on the difference between the contract Base Index and the Current Index for the applicable calendar month during which the work is performed. The quantity of asphalt cement for asphalt concrete pavement to which adjustment will be applied will be the quantity based on the percent of asphalt cement shown on the appropriate approved job mix formula.

Adjustment of any asphalt material other than PG 64S-22 and PG 64E-22 will be based on the indexes for PG 64S-22.

The quantity of asphalt emulsions to which adjustment will be applied will be the quantity based on 65 percent residual asphalt.

Price adjustment will be shown as a separate entry on the monthly progress estimate; however, such adjustment will not be included in the total cost of the work for progress determination or for extension of contract time. Price adjustment will be calculated using the same units as the corresponding Pay Items in the Contract.

Any apparent attempt to unbalance bids in favor of items subject to price adjustment or failure to submit required cost and price data as noted hereinbefore may result in rejection of the bid proposal.



**VIRGINIA DEPARTMENT OF TRANSPORTATION**  
**MASTER LISTING OF**  
**ASPHALT MATERIAL ITEMS ELIGIBLE FOR PRICE ADJUSTMENT**

ITEM	DESCRIPTION	UNITS	SPECIFICATION
10062	Asphalt-Stab. Open-Graded Material	Ton	313
10415	Prime Coat	Gal	311
10416	Liquid Asphalt	Gal	311 312
10417	Tack Coat	Gal	310
10418	Liquid Asphalt	Gal	314
10420	Blotted Seal Coat Ty. B	SY	ATT
10422	Blotted Seal Coat Ty. C	SY	ATT
10423	Blotted Seal Coat Ty. C-1	SY	ATT
10424	Blotted Seal Coat Ty. D	SY	ATT
10426	NS Blotted Seal Coat	SY	ATT
10598	NS Asphalt Concrete	Ton	315
10603	Asphalt Concrete Ty. SM-19.0A	Ton	315
10604	Asphalt Concrete Ty. SM-19.0D	Ton	315
10605	Asphalt Concrete Ty. SM-19.0E (76-22 or 64E)	Ton	315
10606	Asphalt Concrete Ty. SM-9.5	Ton	315
10607	Asphalt Concrete Ty. SM-12.5A	Ton	315
10608	Asphalt Concrete Ty. SM-12.5D	Ton	315
10609	Asphalt Concrete Ty. SM-12.5E (64E-22)	Ton	315
10610	Asphalt Concrete Ty. IM-19.0A	Ton	315
10611	Asphalt Concrete Ty. IM-19.0D	Ton	315
10612	Asphalt Conc. Base Cr. Ty. BM-25.0	Ton	315
10613	Asphalt Concrete Ty. BM-37.5	Ton	315
10614	Asphalt Concrete Ty. IM-19.0E (76-22 or 64E)	Ton	315
10635	Asphalt Concrete Ty. SM-9.5A	Ton	315
10636	Asphalt Concrete Ty. SM-9.5D	Ton	315
10637	Asphalt Concrete Ty. SM-9.5E (64E-22)	Ton	315
10638	Asphalt Conc. Ty. BM-25.0D+0.8	Ton	ATT
10639	Asphalt Concrete Ty. SM-19.0	Ton	315
10642	Asphalt Concrete Ty. BM-25.0A	Ton	315
10643	Asphalt Concrete Ty. BM-25.0D	Ton	315
10644	Asphalt Concrete Ty. SM-9.0A	Ton	315
10645	Asphalt Concrete Ty. SM-9.0D	Ton	315
10646	Asphalt Concrete Ty. SM-9.0E	Ton	315
10647	Asphalt Concrete Ty. SM-4.75A	Ton	315
10648	Asphalt Concrete Ty. SM-4.75D	Ton	315
10649	Asphalt Concrete Ty. SM-4.75E	Ton	315
10650	Stone Matrix Asphalt SMA-9.5(64H-22)	Ton	317
10651	Stone Matrix Asphalt SMA-9.5(64E-22)	Ton	317
10652	Stone Matrix Asphalt SMA-12.5(64H-22)	Ton	317
10653	Stone Matrix Asphalt SMA-12.5(64E-22)	Ton	317
10654	Stone Matrix Asphalt SMA-19.0(64H-22)	Ton	317
10655	Stone Matrix Asphalt SMA-19.0(64E-22)	Ton	317
10701	Liquid Asphalt Coating	SY	ATT

ITEM	DESCRIPTION	UNITS	SPECIFICATION
12505	Asphalt Concrete Curb Backup Material	Ton	315
13240	Asphalt Concrete Sidewalk	Ton	504
16110	Emul. Asph. Slurry Seal Type A	SY	ATTI
16120	Emul. Asph. Slurry Seal Type B	SY	ATTI
16130	Emul. Asph. Slurry Seal Type C	SY	ATTI
16144	Latex Mod. Emul. Treat. Type B	Ton	ATTI
16145	Latex Mod. Emul. Treat. Type C	Ton	ATTI
16146	Latex Mod. Emul. Treat. Rutfilling	Ton	ATTI
16161	Modified Single Seal	SY	ATTI
16162	Modified Double Seal	SY	ATTI
16249	Nontracking Tack Coat	Gal.	ATTI
16250	Liquid Asphalt Matl. CMS-2 (Mod)	Gal	ATTI
16251	Liquid Asphalt Matl. CMS-2	Gal	ATTI
16252	Liquid Asphalt Matl. CRS-2	Gal	ATTI
16253	Liquid Asphalt Matl. CRS-2H	Gal.	ATTI.
16254	Liquid Asphalt Matl. RC-250	Gal	ATTI
16256	Liquid Asphalt Matl. RC-800	Gal	ATTI
16257	NS Liquid Asphalt Matl.	Gal	ATTI
16260	Liquid Asphalt Matl. CRS-2L	Gal	ATTI
16301	Liq. Asph. Rumble Strip Coating	SY	315
16325	NS Asphalt Concrete	Ton	N/A
16326	Asphalt Concrete Ty. SM-4.75A	Ton	315
16327	Asphalt Concrete Ty. SM-4.75D	Ton	315
16328	Asphalt Concrete Ty. SM-4.75E	Ton	315
16330	Asphalt Concrete Ty. SM-9.0A	Ton	315
16331	Asph. Conc. Ty. SM-9.0D	Ton	315
16332	Asph. Conc. Ty. SM-9.0E	Ton	315
16335	Asphalt Concrete Ty. SM-9.5A	Ton	315
16337	Asph. Conc. Ty. SM-9.5ASL (Spot Level)	Ton	315
16340	Asphalt Concrete Ty. SM-9.5D	Ton	315
16342	Asph. Conc. Ty. SM-9.5DSL (Spot Level)	Ton	315
16345	Asphalt Concrete Ty. SM-9.5E (64E-22)	Ton	315
16350	Asphalt Concrete Ty. SM-12.5A	Ton	315
16352	Asph. Con. Ty. SM-12.5ASL (Spot Level)	Ton	315
16355	Asphalt Concrete Ty. SM-12.5D	Ton	315
16357	Asph. Con. Ty. SM-12.5DSL (Spot Level)	Ton	315
16360	Asphalt Concrete Ty. SM-12.5E (64E-22)	Ton	315
16362	Asphalt Concrete Ty. SM-19.0A	Ton	315
16363	Asphalt Concrete Ty. SM-19.0D	Ton	315
16364	Asphalt Concrete Ty. SM-19.0E (76-22 or 64E)	Ton	315
16365	Asphalt Concrete Ty. IM-19.0A	Ton	315
16366	Asph. Conc. Ty. BM-25.0D+0.4	Ton	ATTI
16367	Asph. Conc. TY. BM-25.0D+0.8	Ton	ATTI
16370	Asphalt Concrete Ty. IM-19.0D	Ton	315
16371	Asphalt Concrete Ty. IM-19.0E (76-22 or 64E)	Ton	315
16373	Asphalt Concrete Ty. IM-19.0A (T)	Ton	315

ITEM	DESCRIPTION	UNITS	SPECIFICATION
16374	Asphalt Concrete Ty. IM-19.0D (T)	Ton	315
16377	Asphalt Concrete Ty. BM-37.5	Ton	315
16378	Thin Hot Mix Asphalt Concrete	Ton	ATTI
16379	Asphalt Concrete Ty. IM-19.0T	Ton	315
16383	Scratch/Level Type I	Ton	ATTI
16384	Scratch/Level Type II	Ton	ATTI
16390	Asphalt Concrete Ty. BM-25.0A	Ton	315
16392	Asphalt Concrete Ty. BM-25.0D	Ton	315
16393	Asph. Conc. Patch Ty. IM-19.0A	Ton	ATTI
16394	Asph. Conc. Patch Ty. IM-19.0D	Ton	ATTI
16395	Asphalt Concrete Ty. BM-25.0A (T)	Ton	315
16396	Asph. Conc. Ty. BM-25.0D+0.4 T	Ton	315
16397	Asphalt Concrete Ty. BM-25.0D (T)	Ton	315
16400	Stone Matrix Asphalt SMA-9.5(64H-22)	Ton	ATTI
16401	Stone Matrix Asphalt SMA-9.5(64E-22)	Ton	ATTI
16402	Stone Matrix Asphalt SMA-12.5(64H-22)	Ton	ATTI
16403	Stone Matrix Asphalt SMA-12.5(64E-22)	Ton	ATTI
16404	Stone Matrix Asphalt SMA-19.0(64H-22)	Ton	ATTI
16405	Stone Matrix Asphalt SMA-19.0(64E-22)	Ton	ATTI
16410	NS Asph. Conc. Ty. SM-	Ton	ATTI
16412	NS Asph. Conc. Ty. IM-	Ton	ATTI
16414	NS Asph. Conc. Ty. BM-	Ton	ATTI
16416	NS Asph. Conc. HP Ty.	Ton	ATTI
16420	Asph. Conc. Patch Ty. SM-12.5A	Ton	ATTI
16421	NS Asph. Conc. Patch Ty. SM-	Ton	ATTI
16422	NS Asph. Conc. Patch Ty. IM-	Ton	ATTI
16423	NS Asph. Conc. Patch Ty. BM-	Ton	ATTI
16490	Hot Mix Asphalt Treatment	Ton	ATTI
16500	Surf.Preparation & Restoration Type I	Ton	ATTI
16502	Surf.Preparation & Restoration Type II	Ton	ATTI
16504	Surf.Preparation & Restoration Type III	Ton	ATTI
16543	Cold Central Plant Recycling Material	Ton	ATTI
62195	NS Asphalt Concrete Overlay	Ton	315
62196	NS Asphalt Concrete	Ton	315
63000	NS Asphalt Concrete Overlay	Ton	315
63001	NS Asphalt Concrete	Ton	315
67201	NS Asphalt Concrete Overlay	Ton	315
67210	NS Asphalt Concrete	Ton	315
68240	NS Asphalt Concrete	Ton	315

**GUIDELINES — For projects requiring fuel adjustment as an option. {2007-S109F01}**

**SP109-000110-00**

**VIRGINIA DEPARTMENT OF TRANSPORTATION  
SPECIAL PROVISION FOR  
OPTIONAL ADJUSTMENT FOR FUEL**

July 1, 2015; Reissued July 12, 2016

The Department will adjust monthly progress payments up or down as appropriate for cost changes in fuel used on specific items of work identified in this provision. The Department will provide a master listing of standard bid items eligible for fuel adjustment on its website.

Included with this proposal is a listing of standard bid items the Department has identified as eligible for fuel adjustment on this project(s) as well as the respective fuel factors per pay unit for those items. Only items on this listing will be eligible for adjustment. The fuel usage factor for each item is considered inclusive of all fuel usage. Generally, non-standard pay items are not eligible for fuel adjustment.

The listing of eligible items applicable to this particular project is shown on Form C-21B "Bid Items Eligible for Fuel Adjustment" included with the bidding documents. The Bidder may choose to have fuel adjustment applied to any or all eligible items on this project's listing by designating the items for which the fuel adjustment will apply. The Bidder's selection of items for fuel adjustment may not be changed once he has submitted Form C-21B to the Department.

In order to be eligible for fuel adjustment under this provision, the apparent lowest responsive and responsible Bidder shall clearly identify on Form C-21B those pay items he chooses to have fuel adjustment applied on. Within 21 days after the receipt of bids the apparent successful Bidder shall submit his designated items on Form C-21B to the Contract Engineer. Items the successful Bidder chooses for fuel adjustment must be designated by writing the word "Yes" in the column titled "Option" by each bid item chosen for fuel adjustment. The successful Bidder's designations on Form C-21B must be written in ink or typed, and signed by this Bidder to be considered complete. Items not properly designated or left blank on the Bidder's C-21B "Bid Items Eligible for Fuel Adjustment" form may be not considered for adjustment. If the apparent successful Bidder fails to return his Form C-21B within the timeframe specified, items will not be eligible for fuel adjustment on this project.

The monthly index price to be used in the administration of this provision will be calculated by the Department from the Diesel fuel prices published by the U. S. Department of Energy, Energy Information Administration on highway diesel prices, for the Lower Atlantic region. The monthly index price will be the price for diesel fuel calculated by averaging each of the weekly posted prices for that particular month.

For the purposes of this provision, the base index price will be calculated using the data from the month preceding the receipt of bids. The base index price will be posted by the Department at the beginning of the month for all bids received during that month.

The current index price will be posted by the Department and will be calculated using the data from the month preceding the particular estimate being vouchered for payment.

The current monthly quantity for eligible items of work selected by the Contractor for fuel adjustment will be multiplied by the appropriate fuel factor to determine the gallons of fuel to be cost adjusted. The amount of adjustment per gallon will be the net difference between the current index price and the base index price. Computation for adjustment will be made as follows:

$$S = (E - B) QF$$

Where; S = Monetary amount of the adjustment (plus or minus)

B = Base index price

E = Current index price

Q = Quantity of individual units of work

F = Appropriate fuel factor

Adjustments will not be made for work performed beyond the original contract time limit unless the original time limit has been changed by an executed Work Order.

If new pay items are added to this contract by Work Order and they are listed on Department's master listing of eligible items, the Work Order must indicate which of these individual items will be fuel adjusted; otherwise, those items will not be fuel adjusted. If applicable, designating which new pay items will be added for fuel adjustment must be determined during development of the Work Order and clearly shown on Form C-10 Work Order. The Base Index price on any new eligible pay items added by Work Order will be the Base Index price posted for the month in which bids were received for that particular project. The Current Index price for any new eligible pay items added by Work Order will be the Index price posted for the month preceding the estimate on which the Work Order is paid.

When quantities differ between the last monthly estimate prepared upon final acceptance and the final estimate, adjustment will be made using the appropriate current index for the period in which that specific item of work was last performed.

In the event any of the base fuel prices in this contract increase more than 100 percent (i.e. fuel prices double), the Engineer will review each affected item of work and give the Contractor written notice if work is to stop on any affected item of work. The Department reserves the right to reduce, eliminate or renegotiate the unit price for remaining portions of affected items of work.

Any amounts resulting from fuel adjustment will not be included in the total cost of work for determination of progress or for extension of contract time.