



ADDENDUM NO. 1

TO: Interested Parties

FROM: Michael V. ('Mike') Armel, Project Manager
Division of Engineering

DATE: Friday, October 26, 2018

PROJECT: **COLONEL HENRY K. DOUGLAS DRIVE EXTENSION, PHASE I & II
WASHINGTON COUNTY CONTRACT NO. RD-CD-269-10
SHA CONTRACT NO. WA460ZM1
FAP NO. APL-3(513)N**

Acknowledge receipt of this **Addendum No. 1** by signing in the space provided below and returning with your Bid.

Failure to sign and return with your Bid may subject the Bidder to disqualification. This **Addendum No. 1** forms a part of the Bid Documents, it supplements and modifies them as outlined herein.

This **Addendum No. 1** consists of 42 pages, including this page.

I hereby acknowledge receipt of **Addendum No. 1**:

By: _____ Date _____
Signed Name

Typed Name

Title

For (Firm): _____

Phone Number: _____

ADDENDUM NO. 1
ISSUED: October 26, 2018
Page 1 of 6

ADDENDUM NO. 1

COLONEL HENRY K. DOUGLAS DRIVE EXTENSION, PHASE I & II

Washington County Contract No. RD-CD-269-10

SHA Contract No. WA460ZM1

FAP NO. APL-3(513)N

Date Issued: Friday, October 26, 2018

Bids Due: **Wednesday, November 7, 2018**
2:00 p.m., Local Time

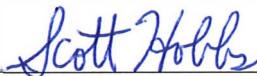
The following addendum material is hereby made a part of the Bid Documents.

Please note the following changes, information, and/or instructions in connection with the proposed work and submit proposals accordingly.



Michael V. Armel
Project Manager
Division of Engineering

By Authority of:
Board of County Commissioners
Washington County, Maryland



Scott Hobbs, P.E.
Director
Division of Engineering

ADDENDUM NO. 1

COLONEL HENRY K. DOUGLAS DRIVE EXTENSION, PHASE I & II

Washington County Contract No. RD-CD-269-10
SHA Contract No. WA460ZM1
FAP NO. APL-3(513)N

TO: All prime Contractors and all others to whom specifications have been issued.

- ITEM 1.01** **Pre-Bid Conference** held Wednesday, October 10, 2018:
A Record of the Pre-Bid Conference (consisting of 5 pages) (**Attachment A**), and the conference Sign-In Sheet (consisting of 2 pages) (**Attachment B**), shall be incorporated into the Contract Documents.
- ITEM 1.02** **PRE-BID QUESTIONS & RESPONSES**, Received by the deadline on October 17, 2018: (consisting of 1 Page) (**Attachment C**), shall be incorporated into the Bid Documents.
- ITEM 1.03** **CHANGES/REVISIONS TO THE GENERAL CONDITIONS AS NOTED:**
(Attachment D) (consisting of 5 Total Pages)
Incorporate the following into the Bid Document;
- DELETE/REMOVE:**
From the General Conditions; Page GC-17 / 47
- INSERT:**
Incorporate into the General Conditions; Page GC-17 / 47R (consisting of 1 page)
- DELETE/REMOVE:**
From the General Conditions; Page GC-29 / 59
- INSERT:**
Incorporate into the General Conditions; Page GC-29 / 59R (consisting of 1 page)
- DELETE/REMOVE:**
From the General Conditions; Page GC-30 / 60
- INSERT:**
Incorporate into the General Conditions; Page GC-30 / 60R (consisting of 1 page)
- DELETE/REMOVE:**
From the General Conditions; Page GC-50 / 80
- INSERT:**
Incorporate into the General Conditions; Page GC-50 / 80R (consisting of 1 page)
- DELETE/REMOVE:**
From the General Conditions; Page GC-61 / 91
- INSERT:**
Incorporate into the General Conditions; Page GC-61 / 91R (consisting of 1 page)

ADDENDUM NO. 1

COLONEL HENRY K. DOUGLAS DRIVE EXTENSION, PHASE I & II

Washington County Contract No. RD-CD-269-10
SHA Contract No. WA460ZM1
FAP NO. APL-3(513)N

ITEM 1.04 **CHANGES/REVISIONS TO THE CONTRACT PROVISIONS AS NOTED:**

(Attachment E) (consisting of **5** Total Pages)
Incorporate, from a General Decision of wage rates with a publication date of 09/28/2018, the following into the Bid Document;

DELETE/REMOVE:

From the Contract Provisions; Pages CP-36 / 167 through CP-40 / 171

INSERT:

**Incorporate into the Contract Provisions; Pages CP -36 / 167R through
CP-40 / 171R (consisting of 5 pages)**

ITEM 1.05 **CHANGES/REVISIONS TO THE SPECIAL PROVISIONS AS NOTED:**

(Attachment F) (consisting of **15** Total Pages)
Incorporate the following into the Bid Document;

DELETE/REMOVE:

From the Special Provisions; Page 186 through 187

INSERT:

**Incorporate into the Special Provisions; Page 186R through 187R (consisting of 2
pages)**

DELETE/REMOVE:

From the Special Provisions; Page SP-40 / 227

INSERT:

**Incorporate into the Special Provisions; Page SP-40 / 227R (consisting of 1
page)**

DELETE/REMOVE:

From the Special Provisions; Page SP-42 / 229

INSERT:

Incorporate into the Special Provisions; Page SP-42 / 229R (consisting of 1 page)

DELETE/REMOVE:

From the Special Provisions; Page SP-70 / 258

INSERT:

**Incorporate into the Special Provisions; Page SP-70 / 258R (consisting of 1
page)**

ADDENDUM NO. 1

COLONEL HENRY K. DOUGLAS DRIVE EXTENSION, PHASE I & II

Washington County Contract No. RD-CD-269-10
SHA Contract No. WA460ZM1
FAP NO. APL-3(513)N

ITEM 1.05 **CHANGES/REVISIONS TO THE SPECIAL PROVISIONS AS NOTED (cont'd):**

DELETE/REMOVE:

From the Special Provisions; Page SP-72 / 260

INSERT:

Incorporate into the Special Provisions; Page SP-72 / 260R (consisting of 1 page)

INSERT:

Incorporate into the Special Provisions;

**Special Provision Section 500 – Open Graded Asphalt Treated Base;
(consisting of 3 pages)**

Special Provision Insert 511 - Open Graded Friction Course; (consisting of 3 pages)

Special Provision Section 900 – Open Graded Asphalt Treated Base; (consisting of 1 page)

Special Provision Insert 901 – Aggregates; (consisting of 2 pages)

ITEM 1.06 **CHANGES/REVISIONS TO THE BID FORMS AS NOTED:**

(Attachment G) (consisting of 2 Total Pages)

Incorporate the following into the Bid Document;

DELETE/REMOVE:

From the Bid Forms; Page 2.8 / 353

INSERT:

Incorporate into the Bid Forms; Page 2.8 / 353R (consisting of 1 page)

Note: Item 4003 should be measured in S.F.

DELETE/REMOVE:

From the Bid Forms; Page 2.11 / 356

INSERT:

Incorporate into the Bid Forms; Page 2.11 / 356R (consisting of 1 page)

Note: Quantity has been increased to match Construction Drawings.

NOTICE: **THE BID FORMS IN THIS ATTACHMENT MUST BE INSERTED INTO THE SEPARATE “BID PACKET” THAT WAS PROVIDED WITH EACH BID SET.**

ADDENDUM NO. 1

COLONEL HENRY K. DOUGLAS DRIVE EXTENSION, PHASE I & II

Washington County Contract No. RD-CD-269-10

SHA Contract No. WA460ZM1

FAP NO. APL-3(513)N

ITEM 1.07 CHANGES/REVISIONS TO THE CONSTRUCTION DRAWINGS AS NOTED:

(Attachment H) (consisting of 1 Total Page)

Incorporate the following into the Bid Document;

Note: Updated Quantity on Sheet No. QTY-01 / 60 of 60.

Attachments:

1. Pre-Bid Conference Meeting Minutes – **(Attachment A)** (consisting of **5** pages)
2. Pre-Bid Conference Sign-In Sheet – **(Attachment B)** (consisting of **2** pages)
3. Pre-Bid Questions and Responses – **(Attachment C)** (consisting of **1** page)
4. Revisions to the General Conditions – **(Attachment D)** (consisting of **5** pages)
5. Revisions to the Contract Provisions – **(Attachment E)** (consisting of **5** pages)
6. Revisions to the Special Provisions – **(Attachment F)** (consisting of **15** pages)
7. Revisions to the Bid Forms – **(Attachment G)** (consisting of **2** pages)
8. Revisions to the Constructions Drawings – **(Attachment H)** (consisting of **1** page)

END OF ADDENDUM NO. 1



ADDENDUM NO. 1

ATTACHMENT "A"

COLONEL HENRY K DOUGLAS DRIVE EXTENSION, PHASE I & II

County Contract No. RD-CD-269-10; State Contract No. WA460ZM1; FAP No. APL-3(513)N

RECORD OF PRE-BID CONFERENCE

Wednesday, October 10, 2018; 11:00 a.m., Local Time

MEETING LOCATION: Washington County Administrative Annex Building
80 West Baltimore Street, Hagerstown, MD 21740

PRE-BID CONFERENCE AGENDA

- PB1. Welcome/Introductions**
- PB2. Project Overview**
- PB3. Project Classification**
- PB4. Invitation to Bid, Time of Completion & Liquidated Damages**
- PB5. Contract Provisions**
 - a) Contractor Registration Requirements
 - b) Federal Highway Administration Form (FHWA)-1273
 - c) Affirmative Action Requirements
 - d) Davis-Bacon Wage Rates
- PB6. Bid Due Date & Location**
- PB7. Preparation of Bid, Bid Forms, Bid Security**
- PB8. Addenda and Interpretations**
 - Email: ECBidQuestions@washco-md.net
 - Fax no.: (240) 313-2401
- PB9. Questions (submit 'in writing')**
- PB10. Meeting Adjournment / Travel to Site Visit**
- PB11. Site Visit (submit questions 'in writing')**
- PB12. Meeting and Site Visit Adjournment**

ADDENDUM NO. 1
ISSUED: October 26, 2018
ATTACHMENT "A"
PAGE 1 of 5

80 West Baltimore Street | Hagerstown, MD 21740-6003 | P: 240.313.2460 | TDD: 711

ATTENDEES: Refer also to sign-in sheet. (**Attachment "B"**) [WC = Washington County]

Pamela (Pam) Mohn, Civil Engineer	WC Division of Engineering	240-313-2449
Michael (Mike) Armel, Project Manager	WC Division of Engineering	C: 240-675-0130
Andrew Eshleman, P.E., Chief of Design	WC Division of Engineering	240-313-2421
John M. Kieffer, P.E.	C. William Hetzer, Inc.	301-733-7300
Scott Shank	C. William Hetzer, Inc.	301-733-7300
Sam Allen	Potomac Excavating, LLC	301-462-0041
Jessica Allen	Potomac Excavating, LLC	240-527-7018
Miki Rakich	MIM Construction, Inc.	301-748-8425
Sid Ridenour	Huntzberry Brothers, Inc.	301-739-8036
Don Pyatt	Huntzberry Brothers, Inc.	301-739-8036
Phillip Royer, Estimator	Kinsley Construction	717-324-1879
David Houck, Estimator	David H. Martin Excavating, Inc.	717-264-2168
Lonnie Doyle, Project Manager	Fayetteville Contractors, Inc.	717-352-2186
Jose Ortiz	BA Construction, Inc.	301-341-1861
Roger Brown, Estimator	L.W. Wolfe Enterprises, Inc.	301-293-2351
Matthew Skeen, Sr. Project Engineer	Triton Construction	304-532-5916

PB1. WELCOME & INTRODUCTIONS:

On behalf of the Board of County Commissioners of Washington County and its Division of Engineering and its Division of Construction, a welcome and a thank you for the interest shown in this project was extended to all in attendance.

Introductions of all persons in attendance were made.

- Reference conference agenda and sign-in sheet.
- Washington County Project Team Members include:
 - Scott Hobbs, P.E., Director of Engineering
 - Rich Eichelberger, Director of Construction
 - Blair Reynolds, Chief Project Manager
 - Andrew Eshleman, Chief of Design
 - Pam Mohn, Civil Engineer
 - Mike Armel, Project Manager
- The pre-bid conference is provided as a courtesy to assist potential bidders with becoming familiar with the project. A record of today's conference will be issued to plan holders via addendum. The project addenda as well as the Bid Documents shall serve as the basis for the construction contract.

PB2. PROJECT OVERVIEW:

This is an ARC, Appalachian Regional Commission grant funded project. It will be multi-phased, with the current construction connecting to Bushwillow Way in the Cross Creek subdivision. Due to the funding, the project will have **Davis Bacon Wage Rates**, source and supply will have to be approved by SHA and the bid will require an **MBE/DBE participation of 16%**.

ADDENDUM NO. 1
ISSUED: October 26, 2018

ATTACHMENT "A"
PAGE 2 of 5

Widening of MD65 at the intersection and to the North has been constructed recently. The signal poles, curb and gutter, sidewalk, and paving up to the surface course are in place. The developer to the South (Mr. Shaool) will be widening MD65 on that side. Mr. Bowman is the developer along MD65 to the North. Both have grading and site plans ready to start construction. Our contractor will have to work together with the neighboring construction.

Mr. Smith and the Cross Creek Homeowner's Association are the adjoiners to the East on both sides of the proposed road. Mr. Smith has granted us a temporary construction easement for staging and a stockpile area. There are prohibitions, limitations and restrictions on the use of the Cross Creek Subdivision and its streets by the contractor and the employees and associates of the contractor.

The project will include, but may not be limited to, the following:

- Grading and Sediment Control
- Stone Strong Retaining Walls
- Porous asphalt in the outside lanes with perforated pipe underdrains connecting to the storm drain system; HMA superpave for the rest of the lanes
- W-Beam Traffic Barrier
- Concrete Curb and Gutter and Monolithic concrete medians
- Pervious concrete sidewalks with ADA ramps
- Concrete Inlets and Manholes and Polypropylene Pipe for Storm Drain.
- Connection to and extension of a 12" water line; sanitary sewer rim adjustments
- Conduit bank crossings for future utilities
- Signal Upgrades on existing poles and mast arms with new conduit and pedestal poles for additional pedestrian countdown signal heads.
- Striping and Signage
- Turfgrass and Evergreen Screening
- Maintenance of traffic

Refer also to the "The Project" section of Bid Document for a further description of the project.

PB3. PROJECT CLASSIFICATION:

- The project classification is Cost Group Class "E", \$2,500,001 to \$5,000,000 in accordance with MDOT SHA Project Classification.

PB4. INVITATION TO BID, TIME OF COMPLETION & LIQUIDATED DAMAGES:

- This is a **300** consecutive calendar day contract;
- Liquidated Damages are in the amount of **\$500.00** per calendar day.
- Bids are irrevocable and may not be withdrawn for 90 days following Bid Opening.

PB5. CONTRACT PROVISIONS:

- *Reference also the "Contract Provisions" section of the Bid Document for additional information.*

- **Contractor Registration Requirements prior to Award of Contract**
 - a.) Contractor must have an active Dun and Bradstreet Data Universal Numbering System (DUNS) and be registered in the Central Contract Registration (CCR) database
- **Federal Highway Administration Form (FHWA)-1273.** Includes Required Contract and Subcontracting Provisions
- **Affirmative Action Requirements / Utilization of Disadvantaged Business Enterprises:**
 - a.) The **Affirmative Action Contract Goal is 16%**. See Contract Provisions for further information and requirements:
- **The Prevailing Wage Rate Law Applies per the Davis-Bacon Act**
 - a.) Submission of Certified Payrolls is required.
 - b.) Reference Bid Document for Wage Decision

PB6. BID DUE DATE & LOCATION:

- Sealed Bids with proper designation are due by **2:00 pm Local Time, Wednesday, November 7, 2018**, at the Division of Engineering, County Administrative Annex Building, 80 West Baltimore Street, Hagerstown, Maryland 21740-6003.
- A public bid opening will be held.

PB7. PREPARATION OF BID, BID FORMS, BID SECURITY:

- The detached set of blank bid forms included with the purchase of bid documents shall be used in submitting contractor bids.
- A bid security in the amount of 5% of the total bid price made payable to the Board of County Commissioners of Washington County, Maryland shall accompany each submitted bid; refer to the Bid Documents for further information.

PB8. ADDENDA AND INTERPRETATIONS:

- Submit additional bid inquiries **in writing by 4:30 p.m., Local Time, on Wednesday, October 17, 2018** via email or facsimile to the attention of Mike Armel at: **ECBidQuestions@washco-md.net**; or faxed to (240) 313-2401.
- Contract Addenda will be issued to all plan holders via email and will also be uploaded to eMaryland Marketplace. Addenda will include the record of today's pre-bid conference.

PB9. QUESTIONS & RESPONSES FROM PRE-BID MEETING: (submit in writing also)

Regardless of discussion at this pre-bid conference, submission of any question posed at this pre-bid conference is required; submit as indicated in PB8 above.

No questions from the attendees were posed.

PB10. MEETING ADJOURNMENT / TRAVEL TO SITE VISIT:

- At 11:30 a.m.

PB11. SITE VISIT: (submit questions in writing also)

One attendee also attended the site visit which visited the MD65 vicinity of the project and the Bushwillow Way vicinity of the project.

PB12. MEETING AND SITE VISIT ADJOURNMENT

END OF RECORD OF PRE-BID CONFERENCE

COLONEL HENRY K. DOUGLAS DRIVE EXTENSION, PHASE I & II
 County Contract No. RD-CB-10-269; State Contract No. WA460ZM1; FAP No. APL-3(513)N
PRE-BID CONFERENCE SIGN-IN SHEET
 Wednesday, October 10, 2018 at 11:00 a.m.

SIGN In No.	NAME & TITLE	AFFILIATION	PHONE NUMBER	FAX NUMBER	E-MAIL ADDRESS
1.	Pamela (Pam) Mohn Civil Engineer	Washington County MD Division of Engineering	240.313.2449	240.313.2401	pmohn@washco-md.net
2.	Michael (Mike) V. Armel Project Manager	Washington County MD Division of Engineering	240.313.2411 C: 240.675.0130	240.313.2401	marmel@washco-md.net
3.	Andrew Eshleman, P.E. Chief of Design	Washington County MD Division of Engineering	240.313.2421	240.313.2401	aeshleman@washco-md.net
4.	Blair F. Reynolds Chief Project Manager	Washington County MD Division of Engineering	240.313.2420 C: 301.991.8005	240.313.2401	breynolds@washco-md.net
5.	John Kieffer	C. Wm. Hetzer	301-733-7300	301-733-0812	j.kieffer@williamhetzer.com
6.	SAM ALLEN	POTOMAC Exc.	301-462-0041		Sam@potomacexcavating.com
7.	Jessica Allen	Potomac Exc.	240-527-7018		jessica@potomacexcavating.com
8.	Miki Rakich	MIM Construction	301 748 8425		mimconstruction@gmail.com
9.	DON PYATT SID RIDEMOUR	Huntzberry Brothers	301 739-8036		don@huntzberrybrothers.com

COLONEL HENRY K. DOUGLAS DRIVE EXTENSION, PHASE I & II
PRE-BID CONFERENCE SIGN-IN SHEET -- Wednesday, October 10, 2018 at 11:00 a.m.

SIGN IN No.	NAME & TITLE	AFFILIATION	PHONE NUMBER	FAX NUMBER	E-MAIL ADDRESS
10.	Phil Royer ESTIMATOR	KINSLEY CONSTR.	717-324-1879		prayer@kinsleyconstruction.com
11.	David Houck Estimator	David H. Martin	717-264-2165		dhack@dhmexc.com
12.	Lannie Doyle Proj. mgr	Fayetteville Contractors	717-352-2166		LannieDoyle@FayettevilleContractors.com
13.	Jode Ortiz Operations Man	BA Construction Inc	301-841-1861		Info@Baconstructiongroup.com
14.	Roger Brown Estimator	L. W. Wolfe Enterprises, Inc	301-293-2357		brownr09er675@gmail.com
15.	Matthew Skeen Sr. Project Engineer	Triton Construction	304-532-5916		Matthew.Skeen@tritonwu.com
16.					
17.					
18.					
19.					



Attachment “C”

**COLONEL HENRY K. DOUGLAS DRIVE EXTENSION, PHASE I & II
COUNTY CONTRACT NO. RD-CD-269-10
STATE CONTRACT NO. WA460ZM1
FAP NO. APL-3(513)N**

Questions/Responses received via fax/email by the 16:30 Hr 10/17/2018 Deadline.

• **Questions received from Craig Paving, Inc.**

1. Mike, we do not find gradations for the porous paving for 19mm in the MDDOT specifications. Is this available?

Response 1.

For Item 5008, Porous Asphalt (Open Graded Friction Course) 19mm Base the Contractor is to use the Special Provisions Section 500 and Section 900 – Open Graded Asphalt Treated Base as added by this Addendum.

• **Questions received from David H. Martin Excavating, Inc.**

2. Can a bid item clarification/ intended use be given for bid item no 3001 1,050 Cy Aashto #57 Stone.

Per the plans sheet 51 (Pipe Bedding Aashto#57 Stone) cost is incidental to the pertinent pipe item SHA Code 390630 - No 57 Stone for Storm water Management Facilities
Spec book page 238 does not reference stone as a separate item pay item

Response 2.

Pipe bedding and backfill is incidental to the appropriate pipe items. Item 3001, AASHTO No 57 Aggregate is for use under the concrete curb and gutter and as backfill and unit fill for the precast concrete block retaining walls.

End of Questions

**ADDENDUM NO. 1
ISSUED: October 26, 2018**

**ATTACHMENT “C”
PAGE 1 of 1**

made available. This information also shall be recorded at the time of Bid opening. The bids shall be tabulated or a Bid abstract made. The opened Bid shall be available for public inspection at a reasonable time after Bid opening but in any case before Contract award except to the extent the Bidder designates trade secrets or other proprietary data to be confidential. Material so designated shall accompany the Bid and shall be readily separable from the Bid in order to facilitate public inspection of the non-confidential portion of the Bid. Prices, makes, and model or catalog numbers of the items offered, deliveries, and terms of payment shall be publicly available at a reasonable time after Bid opening but in any event before Contract award regardless of any designation to the contrary at the time of Bid opening.

(b) Confidential Data – The Engineer shall examine the Bids to determine the validity of any requests for nondisclosure of trade secrets and other proprietary data identified in writing. Confidential, proprietary information, and trade secrets furnished by a Bidder may be disclosed to another County agency if there is a need for the information and may not be disclosed outside of County government except as provided by the Public Information Act or other applicable laws of the State of Maryland.

GC-2.14 MISTAKES IN BIDS

(a) Mistakes Discovered Before Opening – A Bidder may correct mistakes discovered before the time and date set for Bid opening by withdrawing or correcting the Bid as provided in GC-2.11.

(b) Confirmation of Bid – If the Engineer knows or has reason to conclude that a mistake may have been made, the Bidder may be required to confirm the Bid. Situations in which confirmation may be requested include obvious, apparent errors on the face of the Bid or a Bid unreasonably lower than the other Bids submitted. If the Bidder alleges mistake, the Bid may be corrected or withdrawn upon written approval of the County Attorney’s Office if any of the following conditions are met:

(1) If the mistake and intended correction are clearly evident on the face of the Bid form, the Bid shall be corrected to the intended correct Bid and may not be withdrawn. Examples of mistakes that may be clearly evident on the face of the Bid form are typographical errors, errors in extending unit prices, transposition errors, and arithmetical errors.

(2) A Bidder may be permitted to withdraw a low Bid if:

(A) A mistake is clearly evident on the face of the Bid form but the intended correct Bid is not similarly evident; or

(B) The Bidder submits proof of evidentiary value that clearly and convincingly demonstrates that a mistake was made.

(3) In situations where the Purchasing Agent determines that the low Bid submitted is so low due to a demonstrable mistake other than a mistake in judgment, such that

the Work within the general scope of the Contract Documents, including but not limited to changes:

- (1) In the Specifications (including drawings and designs);
 - (2) In the sequence, method or manner of performance of the Work;
 - (3) In the County-furnished facilities, equipment, materials, services, or site;
- or
- (4) Requiring expedition in the performance of the Work.

An order of the Engineer by virtue of being called or referred to as a “change order” does not necessarily constitute a change in the scope of the Contract or in the work required under the Contract. The Contractor should not be entitled to additional compensation, a time extension or other relief for complying with an order of the Engineer if the Contract otherwise requires the Contractor to perform as stated in the order.

(b) Any other act or event or written or oral order including a direction, instruction, interpretation, or determination from the Engineer shall not entitle Contractor to additional compensation unless the Contractor gives the Engineer written notice stating within seven (7) days of the act or event or of the Contractor’s receipt of said order, the date, circumstances, and source of the act or event or of the order and that the Contractor believes that he/she is entitled to additional compensation. Failure to timely provide said notice shall operate as a waiver of any claim by the Contractor for an equitable adjustment, regardless of whether the County incurred or demonstrates any prejudice by the failure to give timely notice. In the event of a dispute between the Engineer and the Contractor as to whether any work was included in the scope of the Contract such that the Contractor would be obligated to provide that Work at no additional cost to the County, the Engineer may order the Contractor under this Section to perform the Work. If the Contractor considers such an order to be a change in the scope of the Contract entitling the Contractor to additional compensation, a time extension, or other relief, the Contractor must provide the notice required by this subparagraph and initiate a claim therefore in accordance with this Section and other contract requirements.

(c) Any proposal for changed work offered by or requested from the Contractor for which a Change Order is necessary shall include a complete breakdown of labor, materials and equipment along with justification for any increase requested in the contract time. When changed work is to be performed by a subcontractor, a copy of the subcontractor’s proposal shall also be included in the submission. When requested by the Engineer, proposals and supporting documentation shall be sent to the Engineer within a reasonable time for his/her review. Any delay resulting from the failure of the Contractor to submit a complete price proposal within a reasonable time shall not be excused or compensated. The Engineer will process a Change Order upon approval of the Contractor’s Bid.

(d) If the Engineer deems that a bona fide emergency exists, he/she may direct in writing that work proceed prior to issuing an executed Change Order.

estimate the quantities and prepare a Change Order for the appropriate contract items. The work shall proceed and the Contractor may file a request for an equitable adjustment as provided by this section.

(e) Except as herein provided, no order, statement, or conduct of the County shall be treated as a change under this clause or entitle the Contractor to an equitable adjustment in the Contract Documents.

(f) Subject to paragraph (g), if any change or order under this clause causes an increase or decrease in the Contractor's cost of, or the time required for, the performance of any part of the Work under this Contract, an equitable adjustment shall be made and the Contract modified in writing accordingly. Provided, however, that no claim for any change under (b) above shall be allowed for any costs incurred more than seven (7) days before the Contractor gives written notice as therein required.

(g) If the Contractor intends to assert a claim for an equitable adjustment under this section, he/she shall, within 30 days after receipt of a written Change Order under (a) above, or a directive under (d) above, submit to the Engineer a written statement setting forth the nature and monetary extent of such claim, including the submission of full particulars of the claim, including a full breakdown of all labor, material, equipment, and subcontractor costs, and full justification for any extension of the Completion Date. As to claims under (b) above supporting data shall be provided with the notice of a claim. As to any supporting data which is not available at the time of the notice, Contractor shall provide with the notice his/her best estimate of the total cost of the claim and further supporting data shall be provided as soon as he/she becomes available. As to any claim for Equitable Adjustment asserted under this Contract, the Contractor shall certify that the claim was made in good faith, that the supporting data are accurate and complete to the best of his/her knowledge and belief, and that the amount requested accurately reflects the contract adjustment for which Contractor believes the County is liable. The failure to timely submit the written statement with full particulars will be deemed a waiver by the Contractor of any right to an equitable adjustment, regardless of whether the County incurred or demonstrates any prejudice by the failure to timely submit the written statement and full particulars, unless this period is extended by the County in writing by the Engineer. The statement of claim hereunder may be included in the notice under (b) above.

(h) When changes involve work for which a Pay Item is included in the Contract, the changed work shall be paid for or a credit provided to the County at the price bid subject to GC-4.04. When changes involve work for which a Bid Item is not included in the Contract, the changed work shall be paid or a credit provided to the County at the unit or lump sum price agreed upon in writing by the Contractor and the Engineer in accordance with GC-4.07. No changed work, except for emergency work, shall be performed until the Contractor has received an executed Change Order. If the Engineer and contractor cannot agree on the amount of the equitable adjustment, the work shall be done in accordance with GC-9.02.

(i) Each Change Order that affects the Contract price shall be subject to the prior written approval of the Purchasing Agent and other appropriate authorities and to prior certification of the appropriate fiscal authority of fund availability and the effect of the Change

Contractor shall neither have nor assert any claim against the County for an equitable adjustment when such approvals are withdrawn because the materials fail to meet specifications.

(d) Substitutions.

(1) After execution of the Contract, the Engineer will consider a written request by the Contractor for the substitution of products in place of those specified, under the following conditions:

(A) The request is accompanied by complete data on the proposed substitution substantiating compliance with the Contract Documents, including project identification and description, performance and test data, references and samples where applicable, and an itemized comparison of the proposed substitution with the products specified or named by addenda, with data relating to contract time schedule, design and artistic effect where applicable, and its relationship to separate contracts.

(B) The request is accompanied by accurate cost data on the proposed substitution in comparison with the product specified, whether or not modification of the contract sum is to be a consideration.

(2) Request for substitution when forwarded by the Contractor to the Engineer, are understood to mean that the Contractor:

(A) Represents that he/she has personally investigated the proposed substitute product and determined that it is equal or superior in all respects to that specified;

(B) Will provide the same guarantee for the substitution as was required for that item originally specified;

(C) Certifies that the cost data presented is complete and includes all related cost under the contract, and that he/she waives all claims for additional costs related to the substitution that subsequently become apparent; and

(D) Will coordinate the installation of the accepted substitute, making such changes as may be required for the Work to be completed in all respects in conformity with the Contract Documents.

(3) Substitutions will not be considered if:

(A) They are indicated or implied on shop drawing submissions without written request as set forth above; or

normal working hours with the following exceptions: there will be no work allowed that requires a traffic lane to be closed between the hours of 7:00 a.m. to 9:00 a.m. and 4:00 p.m. to 6:00 p.m., unless the Engineer grants written permission. Lane closure is strictly prohibited within three days prior to or following a County Holiday. Also, full traffic capacity must be restored at the end of each workday, unless approved by the Engineer. See also GC-1.03 - Holidays.

(p) The County reserves the right to modify or explain the methods of traffic control specified herein and to restrict the working hours if, in the opinion of the Engineer, the Contractor's operations are a detriment to traffic.

(q) Failure to comply with this section will result in an immediate order to stop work at no expense to the County.

GC-7.09 MAINTENANCE OF TRAFFIC FOR PRIVATE AND COMMERCIAL PROPERTIES

(a) The County has obtained various permits, rights-of-way, and construction easements along the line of work as indicated on the Drawings. The Contractor will schedule his/her work so as to cause the least amount of inconvenience to commercial and private properties. Where such properties have more than one entrance to the establishment, the Contractor may close one entrance to the establishment with the approval of the Engineer. Work on the second entrance shall not proceed until the first closed entrance is fully completed, all trenches are capped with crusher run and two (2) inches of cold patch material, and the entrance is opened to traffic. At locations where only one entrance exists, the Contractor will confine his/her work to not more than one-half (1/2) of the entrance. The Contractor will bring the first half to completion before work continues through the remainder of the entrance. The Contractor will maintain at all times continuous vehicular ingress and egress to commercial properties.

(b) Once work is started through a private driveway or entrance, the Contractor will be required to complete the work before ending operations for the day, unless otherwise approved by the Engineer in writing. Unless the Contractor has submitted to the Engineer written approval from the property owner, private driveways or entrances shall not remain closed overnight. Written approval must be provided to the Engineer prior to commencement of work through the driveway or entrance.

(c) There will not be any measurement and payment for this item; the cost will be included in the unit prices Bid for other appropriate Bid Items and considered incidental to the contract.

ADDENDUM NO. 1
ISSUED: October 26, 2018

GC - 61

ATTACHMENT "D"
PAGE 5 of 5

General Decision Number: MD180094 09/28/2018 MD94

State: Maryland

Construction Type: Highway

County: Washington County in Maryland.

HIGHWAY CONSTRUCTION PROJECTS (excluding tunnels, building structures in rest area projects & railroad construction; bascule, suspension & spandrel arch bridges designed for commercial navigation, bridges involving marine construction; and other major bridges).

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.35 for calendar year 2018 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.35 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2018. The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number Publication Date
. 0 09/28/2018

SUMD2018-021 07/20/2018

	Rates	Fringes
CARPENTER.....	\$ 21.17	6.53
CEMENT MASON.....	\$ 19.51	6.53
ELECTRICIAN.....	\$ 30.50	15.68
IRONWORKER, REINFORCING.....	\$ 28.31	19.69
IRONWORKER, STRUCTURAL.....	\$ 26.81	19.68
LABORER		
Air Tool Operator.....	\$ 23.88	6.53
Asphalt Paver.....	\$ 23.88	6.53
Asphalt Raker.....	\$ 14.80	6.53
Blaster-Dynamite.....	\$ 23.88	6.53
Burner.....	\$ 23.88	6.53
Common.....	\$ 14.80	6.53
Concrete Puddler.....	\$ 14.80	6.53
Concrete Surfacers.....	\$ 23.88	6.53
Concrete Tender.....	\$ 14.80	6.53
Concrete Vibrator.....	\$ 14.80	6.53

ADDENDUM NO. 1
ISSUED: October 26, 2018

Density Gauge.....	\$ 14.80	6.53
Fireproofer-Mixer.....	\$ 14.80	6.53
Flagger.....	\$ 14.80	6.53
Grade Checker.....	\$ 14.80	6.53
Hand Roller.....	\$ 14.80	6.53
Hazardous Material Handler..	\$ 23.88	6.53
Jackhammer.....	\$ 14.80	6.53
Landscaping.....	\$ 14.80	6.53
Layout.....	\$ 14.80	6.53
Luteman.....	\$ 14.80	6.53
Mason Tender.....	\$ 23.88	6.53
Mortar Mixer.....	\$ 14.80	6.53
Pipelayer.....	\$ 23.88	6.53
Plasterer-Handler.....	\$ 14.80	6.53
Scaffold Builder.....	\$ 23.88	6.53
Tamper.....	\$ 14.80	6.53
MILLWRIGHT.....	\$ 28.65	16.80
PAINTER: Bridge.....	\$ 36.13	11.49
POWER EQUIPMENT OPERATOR		
Backhoe.....	\$ 21.08	6.53
Boom Truck.....	\$ 24.00	3.49
Broom/Sweeper.....	\$ 17.70	6.53
Bulldozer.....	\$ 25.92	6.53
Concrete Curb and Gutter		
Pan.....	\$ 29.52	13.65+a
Crane.....	\$ 32.02	13.90
Drill-Rig.....	\$ 20.90	6.53
Excavator.....	\$ 24.16	6.53
Forklift.....	\$ 20.00	6.53
Gradall.....	\$ 30.19	19.18+a
Grader.....	\$ 22.52	6.53
Guard Rail Post Driver.....	\$ 25.76	14.46
Loader.....	\$ 19.73	6.53
Mechanic.....	\$ 27.81	6.53
Milling Machine.....	\$ 19.21	6.53
Paver.....	\$ 23.80	6.53
Rock/Stump Tub Grinder.....	\$ 29.93	19.18
Roller-Asphalt.....	\$ 20.22	6.53
Roller-Earth.....	\$ 17.74	6.53
Screed.....	\$ 23.05	6.53
Skid Steer (Bobcat).....	\$ 30.87	13.90
Spreader.....	\$ 28.97	12.33
Trencher.....	\$ 38.50	10.96
Vacuum Truck.....	\$ 23.40	3.08
TRUCK DRIVER		
Dump.....	\$ 17.44	6.53
Dump-Articulating.....	\$ 20.63	6.53

ADDENDUM NO. 1
ISSUED: October 26, 2018

Flatbed.....	\$ 21.50	11.84
Lowboy.....	\$ 22.10	4.35
Tack/Tar Truck.....	\$ 19.81	6.53
Tandem.....	\$ 27.75	18.30
Tractor Trailer.....	\$ 20.11	6.53
Water.....	\$ 18.69	6.53

- a. PAID HOLIDAYS: New Year's Day, Memorial Day, July 4th, Labor Day, Thanksgiving Day and Christmas Day. b. PAID VACATIONS: Employees with 1 year service-1 week paid vacation; 2 years service-2 weeks paid vacation; 10 years service-3 weeks paid vacation.

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union

which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

=====

END OF GENERAL DECISION

SPECIAL PROVISIONS

COUNTY CONTRACT NO. RD-CD-269-10
SHA CONTRACT NO. WA460ZM1
FAP NO. APL-3(513)N
1 of 2

Special Provisions – Table of Contents

Pages SP-1 – SP-102

Project Description (1).....SP-1

Notice to Contractor (1-5).....SP-2 - SP-6
NPDES Permit (2).....SP-7 – SP-8

Notice to Contractor Early Submissions (1)SP-9

General Provisions, Bidding Requirements and Conditions (1-11).....SP-10 - SP-20

General Provisions, Nonhiring of Employees (1).....SP-21

General Provisions, Conflict of Interest Law (1).....SP-22

Terms and Conditions, Bidding Requirements and Conditions (1-6)..... SP-23 – SP-28

Terms and Conditions, Debarment/Suspension (1)SP-29

Terms and Conditions, Failure to Maintain Project (1)SP-30

Category 100, Section 103 – Engineers Office, Microcomputer System (1-4)SP-31 - SP-34

Category 100, Section 104 – Maintenance of Traffic, Traffic Control Plan (1-5) SP-35 – SP-39

Category 100, Section 104 – Maintenance of Traffic, (MOT) (1).....SP-40

Category 100, Section 104 – Maintenance of Traffic, Type III Permanent Barricade (1)..... SP-40

Category 100, Section 107 – Construction Stakeout (1).....SP-41

Category 100, As Built Drawings (1).....SP-41

Category 100, Section 111 – Sampling Devices, Testing and Safety Equipment.....SP-42

Category 200, Unclassified Excavation (1).....SP-43

Category 200, Common Borrow (1-2)..... SP-44 – SP-45

Category 200, Unsuitable Material (1).....SP-46

Category 200, Geotextile and Geogrid (1-2)SP-47 – SP-48

Category 200, Section 211- Geosynthetic Stabilized Subgrade using GAB (1).....SP-49

Category 300, Section - 303 Pipe Culverts (1)SP-50

SPECIAL PROVISIONS

COUNTY CONTRACT NO. RD-CD-269-10
SHA CONTRACT NO. WA460ZM1
FAP NO. APL-3(513)N
2 of 2

Category 300, Section 314 - Flowable Backfill (1)..... SP-51

Category 400, Precast Modular Block Retaining Wall (1-5).....SP-52 - SP-56

Category 500, Section 504 - Asphalt Pavement (1-6)..... SP-57 – SP-62

Category 500, Section 504 – Asphalt Pavement Wedge and Level (1-6) SP-63 – SP-68

Category 500, Section 505 – Saw Cuts (1).....SP-69

Category 500, Section 512 – Porous Asphalt Pavement (1-2)SP-70 - SP-71

Category 600, Section 603 – Pervious Concrete Sidewalk (1)..... SP-72

Category 700, Section 701 – Subsoil and Topsoil (1)SP-73

Category 700, Section 709 – Soil Stabilization Matting (1)SP-74

Category 800, Steel Posts and Anchor Bases (1).....SP-75

Category 800, Video Camera and Cable (1-7)..... SP-76 – SP-82

Category 800, Relocate Existing Mast Signals and Signs (1)..... SP-83

Category 800, Water Line Improvements (1)..... SP-84

Category 800, Steel Casing for Utility Crossings (1).....SP-85

Category 800, Sewer Adjustments (1).....SP-86

Category 800, Section 805 - Electrical Conduit (1).....SP-87

Category 800, Utility Statement (1-4) SP-88 – SP-91

Category 900, Section 905 – Pipe (1) SP-91

Category 900, Section 927 - Open Graded Friction Course (1)..... SP-92

Category 500, Section 500 – Open Graded Asphalt Treated Base (3).....SP-93 – SP-95

Category 500, Section 511 – Open Graded Friction Course (3).....SP-96 – SP-98

Category 900, Section 900 – Open Graded Asphalt Treated Base (1).....SP-99

Category 900, Section 901 – Aggregates (2).....SP-100 – SP-102

ADDENDUM NO. 1
ISSUED: October 26, 2018
ATTACHMENT "F"
PAGE 2 of 15

SPECIAL PROVISIONS INSERT

COUNTY CONTRACT NO. RD-CD-269-10

SHA CONTRACT NO. WA460ZM1

104.02 — MAINTENANCE OF TRAFFIC (MOT)

FAP NO. APL-3(513)N

1 of 1

**CATEGORY 100
PRELIMINARY**

SECTION 104 — MAINTENANCE OF TRAFFIC

104.02 MAINTENANCE OF TRAFFIC (MOT)

104.02.03 CONSTRUCTION

(c) Storage and Movement of Equipment, Material, and Vehicles

DELETE: “(1) Approved temporary traffic... equipment or materials.” in its entirety.

INSERT: The following.

(1) Approved traffic barrier is in place prior to storage of equipment and materials.

DELETE: “(2) Equipment and material... face of the traffic barrier.” in its entirety.

INSERT: The following.

(2) Equipment and material is at least 4 ft behind traffic barrier as measured from the bottom, nontraffic side of the barrier.

**CATEGORY 100
PRELIMINARY**

1 of 1

TYPE III BARRICADE – PERMANENT

DESCRIPTION. Upon conclusion of the Project construction and the acceptance by the County the Contractor shall provide and install permanent Type III Barricade at the end of Phase I as shown on the Contract Documents.

MATERIALS. Use MD-MUTCD approved retroreflective red and white striped barricade, eight feet wide.

CONSTRUCTION. Barricade is to be bolted into the pavement.

MEASUREMENT AND PAYMENT. Permanent Type III Barricade shall be measured at the Contract Unit Price per each. The payment will be full compensation for all work, labor, equipment, tools, and incidentals necessary to complete the work to the satisfaction of the Engineer.

SP-40

09-12-18

227R

ADDENDUM NO. 1 ATTACHMENT "F"
ISSUED: October 26, 2018 PAGE 3 of 15

SPECIAL PROVISIONS INSERT

111.03 — SURVEY EQUIPMENT

111.03 – SURVEY EQUIPMENT

1 of 1

**CATEGORY 100
MATERIALS**

SECTION 111 — SAMPLING DEVICES, TESTING AND SAFETY EQUIPMENT

111.03 CONSTRUCTION

DELETE: Subsection (g) in its entirety.

INSERT: The following.

- (i) Sampling Asphalt Mixtures prior to Compaction ([MSMT 457](#)).
 - (1) A 25 ft measuring tape.
 - (2) Random selection cards numbered from 0 to width of the paving lane in 1 ft increments.
 - (3) 10 in. x 6 in. x 12 in. sample boxes.
 - (4) One-gallon plastic wide-mouth jugs.
 - (5) Core storage containers.
 - (6) Spatula.
 - (7) Spray paint or other suitable marking material.
 - (8) GPS equipment.
 - (9) Infrared Surface thermometers, NIST Traceable Calibration, backlit, handheld/pistol grip (-4 F to minimum 400 F, 1.5 percent accuracy).
 - (10) Square end shovel, fire shovel, or grain shovel.
 - (11) Scoop.
 - (12) 24 ft of 18-gauge mechanical wire or equivalent to tie through each hole of the plate template.
 - (13) Masonry nails or equivalent according to MSMT 457, Method A.

DELETE: Subsection (i) Other Measuring Devices in its entirety.

INSERT: The following.

- (j) Survey Equipment.
 - (1) Automatic Level Class 3.
 - (2) Tripod with adjustable legs.
 - (3) 25 ft fiberglass level rod.
- (k) Other Measuring Devices.
 - (1) Hand held pile driving monitoring device (as approved by the Engineer).

CATEGORY 500
PAVING

SECTION 512 — POROUS ASPHALT PAVEMENT

For use with items: Porous Asphalt (Open Graded Friction Course) Surface
Porous Asphalt No. 57 Stone for Choker Layer
Porous Asphalt No. 2 Stone Base Reservoir
Porous Asphalt Geotextile PE Type I
Porous Asphalt Geotextile MD Class ST

512.01 DESCRIPTION. Construct Porous Asphalt Pavement (PAP) consisting of excavation and removal of material, geotextile placement, stone base course, a choker course, and a lift of open graded friction course (OGFC).

512.02 MATERIALS.

Open Graded Friction Course (OGFC)	511
No. 2 Aggregate	901.01
No.57 Aggregate	901.01
Geotextile PE Type I	921.09
Geotextile Class ST	921.09
Securing Pins or Staples	921.09.03

512.03 CONSTRUCTION. Stabilize all contributing drainage areas prior to construction. Do not place PAP in areas used for sediment control facilities.

Pre-Construction Meeting. Conduct a pre-construction meeting to discuss the principles of the PAP system and requirements to prevent heavy equipment from compacting soils, the need to use clean stone, etc. Discuss the construction of a demonstration strip for the Open Graded Friction Course.

Excavation. Excavate side slopes and elevations as specified. Do not place geotextile until the area is inspected and approved. Protect the site from excessive heavy equipment operating on the subgrade. Remove unsuitable soil at the bottom of the excavation and remove any sharp objects that could puncture the geotextile. Use excavators and backhoes when operating on the ground adjacent to the PAP area. Use wide-track or marsh-track excavators, backhoes and other equipment within the PAP area. Do not use equipment with narrow tracks or narrow tires, rubber tires with large lugs, or high pressure tires.

Geotextile. If specified, place geotextile along the sides and bottom of the PAP area. Place the geotextile tightly against the excavation walls to eliminate voids beneath the geotextile. Avoid

06-18-13

SPECIAL PROVISIONS

COUNTY CONTRACT NO. RD-CD-269-10

SHA CONTRACT NO. WA460ZM1

603 – PERVIOUS CONCRETE SIDEWALK

FAP NO. APL-3(513)N

1 of 1

**CATEGORY 600
SHOULDERS**

PERVIOUS CONCRETE SIDEWALK

DESCRIPTION. Adhere to Section 603.01 of the MDOT SHA Standard Specifications and the following:

ADD: Contractor or subcontractor shall provide evidence of successful pervious concrete projects including: the project name and address, owner’s name, contact information and size of each project.

MATERIALS. Adhere to Section 603.02 of the MDOT SHA Standard Specifications and the following:

ADD: Mix No. PC	Voids % 15-25
12” Aggregate Reservoir Stone – No. 57s	Max W/C Ratio 0.45 by wt.
Geotextile, Class PE, Type III 921.09	Coarse Aggregate Size 7,8
Min. Cement Factor 450 lb/sq. yd.	

The Contractor shall submit concrete mix proportions, for review and approval by the Engineer, including all material weights, volumes, density (unit weight), water cementitious ratio, void content, aggregate type, source, and gradation. The mix design shall not specify compressive strength or flexural strength.

CONSTRUCTION. Adhere to Section 603.03 of the MDOT SHA Standard Specifications and the following:

603.03.01 Concrete Sidewalks.

DELETE: 603.03.01(f) in its entirety.

INSERT: The following.

(f) Cold Weather Construction and Curing. Refer to 520.03.02 and 520.03.12, except the requirement for an approved spraying machine with drive wheels is waived when using the liquid membrane forming compound method. Do not allow pedestrian and vehicular traffic during the curing period.

ADD: 603.03.03 Pervious Concrete Sidewalks

- (a) Pre-pour meeting prior to placement. A 100 SF test panel shall be constructed prior to placement of sidewalk shown on the plans.
- (b) Experienced installer shall ensure proper installation of reservoir material and formwork prior to placing material.
- (c) Geotextile shall be placed around the sides and bottom of the stone reservoir.
- (d) Internal vibration shall not be permitted. Use mechanical screed equipment. Cross roll compacted concrete to remove any screeding and compaction marks.
- (e) Control joints shall be installed at regular intervals not to exceed 1.5 times the width of the placement or 20 feet.
- (f) Placement shall be covered with a minimum of 6 mil white or clear polyethylene sheet or approved covering material for a minimum of 7 days.
- (g) Contractor shall ensure pervious sidewalk is constructed in accordance with the most recent ADA Standards for Accessible Design.

MEASUREMENT AND PAYMENT.

DELETE. Section 603.04

REPLACE. Pervious concrete sidewalks will be measured and paid at the Contract unit price per square foot. The payment will include: excavation, backfill, disposal of excess or unsuitable material, forms, reinforcement when specified, joints, sealer, compaction, curing, finishing, aggregate reservoir stone, and all material, labor, equipment, tools, and incidentals necessary to complete the work.

SP-72

10-02-18

260R

ADDENDUM NO. 1
ISSUED: October 26, 2018

ATTACHMENT "F"
PAGE 6 of 15

500 – OPEN GRADED ASPHALT TREATED BASE

**CATEGORY 500
PAVING**

SECTION 500 – OPEN GRADED ASPHALT TREATED BASE

For use with items: Porous Asphalt (Open Graded Friction Course) Base

DESCRIPTION. Furnish and place a single course of open graded asphalt treated base (OGATB) in the pavement section in conformance with the lines, grades, and typical cross sections and requirements shown in the Contract Documents or as directed.

OGATB is an aggregate mixture stabilized with asphalt cement.

MATERIALS.

Open Graded Asphalt Treated Base	900
Aggregates	901
Performance Graded Asphalt Binders and HMA	904
Production Plants	915
Miscellaneous	916

Mix Design. Submit a mix design for the OGATB for approval to the Engineer and to the Office Materials Technology’s (OMT) Asphalt Technology Division at least 30 days prior to placement. The submittal shall include the complete mix design showing the source of materials, the percentage of asphalt cement based upon the weight of the total mix, and the gradation of the mix. Work will not be allowed to commence without approval.

CONSTRUCTION.

Quality Control Plan. Submit a Quality Control Plan (QCP) to the Engineer and to OMT’s Asphalt Technology Division for approval at least 30 days prior to construction. The QCP shall conform to the QCP requirements listed in 504.01

Equipment. Refer to 504.03.01.

Weather. Refer to 504.03.02.

Underlying Base Course Preparation. Repair any soft and unsuitable graded aggregate base course as directed prior to OGATB placement. Traffic on the underlying base course shall be held to a minimum. Repair any ruts formed by reshaping and recompacting the affected areas as directed.

03-01-16

**ADDENDUM NO. 1
ISSUED: October 26, 2018**

ATTACHMENT "F"
PAGE 7 of 15

SPECIAL PROVISIONS

COUNTY CONTRACT NO. RD-CD-269-10
SHA CONTRACT NO. WA460ZM1
AP NO. APL-3(513)N
2 of 3

500 – OPEN GRADED ASPHALT TREATED BASE

Place a non-woven geotextile on the existing graded aggregate base course before placing the OGATB. The melting point of the geotextile shall be at least 300 F. Install the geotextile per the manufacturer’s directions.

504.03.06 Asphalt Placement. Delivery and placement of the OGATB mix should be continuous. Place the OGATB mix while the temperature is at least 225 F, or as specified in the Field QCP. Place the OGATB mix using a paver and material transfer vehicle that conforms to 504.03.01. Do not broadcast loose mix over the new surface.

Joints. Refer to 504.03.08.

Compaction. Do not over compact. Use a non-nuclear asphalt density gauge in accordance with the manufacturer’s recommendations to take readings from the first 200 feet of paving in three random locations to determine roller patterns and the number of passes needed to obtain optimum density. Optimum density is defined as when the average density does not change by more than 1.0 percent between successive roller passes and the percent density is between the reported design air voids \pm 5 percent.

Core the three random gauge reading locations to verify the gauge calibration and to determine the percent pavement density. The cores will be tested by the contractor’s QC laboratory and results will be verified by OMT.

Sampling and Testing for Mixture. Sample from behind the paver using MSMT 457 sampling method A or B before compaction of the OGATB. Obtain a total of three random samples per placement day using the Random Sample Location program used in asphalt mix core testing. A Contractor’s Certified Technician must sample the mixture at the project site as witnessed by the Administration.

The Administration will test at least one of the random behind-the-paver mix samples per T-308. The Administration will determine the asphalt content of the random sample (s). The average of the asphalt content of the behind-the-paver sample(s) must be within \pm 0.4 of the Job Mix Formula’s asphalt cement target but no less than 3.5 percent.

Sampling and Testing for Density. Take a minimum of ten QC/QA gauge readings daily from random locations per day’s paving per mix or two per 500 tons of paving per mix; whichever yields the higher frequency of locations. The average of readings shall be between the percent density determined during the first day of paving \pm 5 percent.

MEASUREMENT AND PAYMENT. Open Graded Asphalt Treated Base will be measured and paid for at the Contract unit price per ton. Payment will be full compensation for all

SPECIAL PROVISIONS

COUNTY CONTRACT NO. RD-CD-269-10
SHA CONTRACT NO. WA460ZM1
AP NO. APL-3(513)N
3 of 3

500 – OPEN GRADED ASPHALT TREATED BASE

aggregate, asphalt binder, other additives, furnishing, hauling, placing, and for all material, labor, equipment, tools, and incidentals necessary to complete the work.

Payment Adjustments for OGATB Mixture. The Contract unit price per square yard of OGATB will be reduced 10 percent for each ± 0.4 percent that the asphalt content deviates from the approved asphalt content design. Remove and replace OGATB when the asphalt content by weight of mix falls below 3 percent at no cost to the Administration.

Payment Adjustments for OGATB Density. The Contract unit price per square yard of OGATB will be reduced 10 percent for each ± 5 percent interval that the density deviates from the density derived from the approved design air voids.

Geotextile will be measured and paid for at the Contract unit price per square yard.

03-01-16

ADDENDUM NO. 1
ISSUED: October 26, 2018

ATTACHMENT "F"
PAGE 9 of 15

SPECIAL PROVISIONS INSERT

COUNTY CONTRACT NO. RD-CD-269-10

SHA CONTRACT NO. WA460ZM1

511 – OPEN GRADED FRICTION COURSE

FAP NO. APL-3(513)N

1 of 3

**CATEGORY 500
PAVING**

SECTION 511 — OPEN GRADED FRICTION COURSE

511.01 DESCRIPTION. Construct Open Graded Friction Course (OGFC) according to Section 504 except as specified.

511.02 MATERIALS

Open Graded Friction Course	Section 927
Performance Graded Asphalt Binders	Section 904
Production Plants	Section 915

511.03 CONSTRUCTION

511.03.01 Demonstration. Construct a demonstration strip of at least 100 tons outside the project limits to demonstrate that a satisfactory OGFC mix can be produced and placed before proceeding with the actual work. Construct a new strip if a project carries over to a new season or whenever there is a change in the mix design. Use pavers and rollers that conform to 504.03.01. A material transfer vehicle may be used to construct the demonstration strip.

The demonstration strip may be waived for projects less than 200 tons or as directed. Material not meeting specification requirements may be subject to penalty or removal and replacement.

511.03.02 Hauling Units. Dry soap powder may be used with the release agent specified in 915.02(f). Raise truck beds to drain excess water and/or release agent before loading with OGFC.

The time between plant mixing and shipment shall not exceed one hour. Stored material shall be of no less quality than mixtures discharged directly into hauling vehicles. Each load shall be completely covered with a securely fastened full tarp containing no holes or rips.

511.03.03 Weather Restrictions. Place OGFC only when the ambient and surface temperatures are at least 50 F and in accordance with polymer-modified materials as specified in 504.03.02. Do not place OGFC if the existing surface is wet or frozen.

511.03.04 Material Transfer Vehicle (MTV). Use a material transfer vehicle (MTV) when placing OGFC. The MTV shall perform additional mixing of the OGFC material and then deposit the mixture into the paver at a uniform temperature and consistency. An MTV may be used when placing OGFC for a permeable pavement system but is not required.

511.03.05 Pavement Thickness. The thickness of the pavement shall be as specified. 504.03.13 (Thin Lift) is not applicable.

09-12-18

SPECIAL PROVISIONS INSERT

COUNTY CONTRACT NO. RD-CD-269-10

SHA CONTRACT NO. WA460ZM1

511 – OPEN GRADED FRICTION COURSE

FAP NO. APL-3(513)N

2 of 3

511.03.06 Tack Coat. Apply tack coat at a rate between 0.04 to 0.06 gal/yd². Reduce the application rate to 0.02 to 0.04 gal/yd² on freshly placed bituminous surfaces. Do not apply tack coat to permeable pavement systems using OGFC.

511.03.07 Compaction. Compact the surface using the number of passes determined from the satisfactory construction of the demonstration strip. The rollers shall follow the paver per the QC Plan. The rollers shall be equipped with a watering or soapy watering system that prevents material from sticking. No vehicular traffic of any kind is permitted on the surface after rolling until the OGFC has completely cooled to 125 F. Continued rolling will not be allowed to prevent crushing the aggregate.

The finished OGFC surface shall be even with no pockets and meet the grades shown. Do not use OGFC in areas designated for storage.

511.03.08 Joint Construction. Clean and tack the vertical face of the longitudinal joint before placing adjoining material. Construct butted (not lapped) longitudinal joints so that the joint is smooth, well-sealed, and bonded.

511.03.09 Pavement Profile. As determined.

511.03.10 Mix Sampling and Testing. Refer to 504.03.11

511.03.11 Testing for Pavement Density (Air Voids). Normal density requirements are waived.

511.04 MEASUREMENT AND PAYMENT. Open Graded Friction Course will be measured and paid for at the Contract unit price per ton. Payment will be full compensation for furnishing, hauling, placing all materials, material transfer vehicle, anti-stripping additive, tack coat, setting of lines and guides where specified, and for all material, labor, equipment, tools, required testing, and incidentals necessary to complete the work.

Material produced for the demonstration strip will not be measured but the cost will be incidental to the item OGFC.

511.04.01 Price Adjustment for OGFC. Mix adjustments for gradation and asphalt content will be as follows:

Use Steps 1 through 5 of MSMT 735 in conjunction with the physical properties in Table 901 D and the following:

SPECIAL PROVISIONS INSERT

COUNTY CONTRACT NO. RD-CD-269-10

SHA CONTRACT NO. WA460ZM1

511 – OPEN GRADED FRICTION COURSE

FAP NO. APL-3(513)N

3 of 3

6. Determine the Composite Mixture PWSL (CMPWSL) for each lot:

$$\text{CMPWSL} = \frac{f_1 * \text{PWSL}_1 + f_2 * \text{PWSL}_2 + f_3 * \text{PWSL}_3 + f_4 * \text{PWSL}_4 + f_5 * \text{PWSL}_5}{\sum f}$$

PWSL1 = Asphalt content

PWSL2 = Aggregate passing the 3/8" (9.5mm) Sieve

PWSL3 = Aggregate passing the #4 (4.75mm) Sieve

PWSL4 = Aggregate passing the #8 (2.36mm) Sieve

PWSL5 = Aggregate passing the 200 (75µm) Sieve

∑f = Sum of price adjustment factors

Determine the PWSL for each property from MSMT 735, Table 1.

7. Use the following table with the price adjustment factors (f) to compute CMPWSL:

Properties	Factor (f)
Asphalt content	64
Aggregate passing the 3/8" Sieve	9
Aggregate passing the #4 Sieve	9
Aggregate passing the #8 Sieve	9
Aggregate passing the 200 Sieve	9

Report the CMPWSL and PWSLs to the nearest whole number.

8. Use the CMPWSL determined in Steps 6 and 7 for the Mixture Pay Factor.

511.04.02 Dispute Resolution. 915.02.03

09-12-18

ADDENDUM No. 1

ISSUED: October 26, 2018

ATTACHMENT "F"

PAGE 12 of 15

**CATEGORY 900
MATERIALS**

SECTION 900 — OPEN GRADED ASPHALT TREATED BASE

Open Graded Asphalt Treated Base (OGATB) shall conform to applicable sections of both 901, and MSMT 409, and the following requirements:

GRADATION AND ASPHALT CONTENT:

Sieve Size	Mixture Control Tolerance, %	Design Gradation Limits, % Passing
		OGATB
1.5 in (37.5 mm) sieve	±0.0	100
1 in (25 mm) sieve	±5.0	95-100
3/4 in (19 mm) sieve	-	-
1/2 in (12.5 mm) sieve	±5.0	25-60
3/8 in (9.5 mm) sieve	-	-
No. 4 (4.75 mm) sieve	±6.0	2-10
No. 8 (2.36 mm) sieve	±4.5	2-5
No. 200 (75 µm) sieve	±2.0	2-5
Range for % AC	±0.4	≥ 4
Drain-down (D6390), % (a)		<0.3

(a) Conduct drain-down test on loose mix at a temperature 15°C higher than anticipated production temperature. If required value is not met, an approved antistripping agent may be added to meet the required drain-down value.

Crushed glass, roofing shingles, RAP or other recycled materials are not allowed in OGATB mixes.

PHYSICAL PROPERTIES:

TYPE TEST	TEST METHOD	LIMITS
Asphalt Binder	M 332	PG 64S -22
Air Voids, %	D3203 (b)	16% min.
Permeability (c)	MSMT 408	

(b) Use geometric measurements of diameter and height to determine volume of samples. Do not use the Saturated Surface Dry procedure.

(c) Report Permeability Results within mix design submission.

03-01-16

**ADDENDUM No. 1
ISSUED: October 26, 2018**

SPECIAL PROVISIONS INSERT

COUNTY CONTRACT NO. RD-CD-269-10

SHA CONTRACT NO. WA460ZM1

901 — AGGREGATES

FAP NO. APL-3(513)N

1 of 2

**CATEGORY 900
MATERIALS**

SECTION 901 — AGGREGATES

DELETE: Table 901 D in its entirety.

INSERT: The following.

**TABLE 901 D
AGGREGATE PHYSICAL PROPERTY REQUIREMENTS FOR ASPHALT MIXES**

MATERIAL	S P E C I F I C A T I O N	TEST METHOD				
		T 11	T 96	T 104	D 4791	MSMT 216
		MATERIAL FINER THAN No. 200 SIEVE % max	LOS ANGELES ABRASION (LA) % max	SODIUM SULFATE SOUNDNESS % max	FLAT and ELONGATED (a) % max	DYNAMIC FRICTION VALUE (DFV) (b) (c) min
SURFACE COURSE 4.75 mm, 9.5 mm, 12.5 mm, and 19.0 mm	M323	—	45	12	10	25
SURFACE COURSE — HIGH DFV 4.75 mm, 9.5 mm, 12.5 mm, and 19.0 mm	M323	—	45	12	10	40 (e)
BASE COURSE 19.0 mm, 25.0 mm and 37.5 mm	M323	—	45	12	10	— 09-12-18

**ADDENDUM No. 1
ISSUED: October 26, 2018**

ATTACHMENT "F"

PAGE 14 of 15

SPECIAL PROVISIONS INSERT

COUNTY CONTRACT NO. RD-CD-269-10

SHA CONTRACT NO. WA460ZM1

901 — AGGREGATES

FAP NO. APL-3(513)N

2 of 2

GAP GRADED STONE MATRIX ASPHALT 9.5 mm, 12.5 mm, and 19.0 mm	M323	—	30	12	20/5 (g)	40 (e)
OPEN GRADED FRICTION COURSE 9.5 mm, 12.5 mm, 12.5 mm PEM (h)	MSMT 409	0.5	30	12	20/5 (g)	40 (e)
SLURRY SEAL (SS) and MICRO-SURFACING (MS)	—	—	—	12	—	40 (f)
CHIP SEAL SURFACE TREATMENT	M 80, CLASS A	1.0 (d)	45	—	—	—

- (a) Testing for flat and elongated particles shall be conducted on the blended aggregates. Dimensional ratio of calipers shall be 5:1.
- (b) The minimum Dynamic Friction Value (DFV) shall be based on a single aggregate source or a blend of aggregates used. Determine proportions of blended aggregates using MSMT 416.
- (c) DFV determined on parent rock. Reclaimed asphalt pavement (RAP) shall have a DFV of 30.0.
- (d) 1.0 for samples taken at the point of production. Samples taken at any point after shipment shall have no more than 1.5 percent finer than 0.075 mm sieve.
- (e) Carbonate rock shall have a minimum of 25 percent insoluble residue retained on the 0.075 mm sieve.
- (f) No blending allowed.
- (g) Testing conducted on particles retained on the 4.75 mm sieve. Dimensional ratio of calipers shall be 3:1/5:1.
- (h) Porous European Mix.

09-12-18

ADDENDUM No. 1

ISSUED: October 26, 2018

ATTACHMENT "F"

PAGE 15 of 15

ITEM	CODE	QUANTITY	UNIT	ITEM DESCRIPTION	UNIT PRICE		ITEM TOTAL	
4001	-	35	C.Y.	MIX NO 2 CONCRETE FOR RETAINING WALL LEVELING PAD	_____	___	_____	___
4002	-	195	C.Y.	MIX NO 6 CONCRETE FOR RETAINING WALL	_____	___	_____	___
4003	-	3,324	S.F.	PRECAST MODULAR BLOCK RETAINING WALL SYSTEM	_____	___	_____	___
<p>End Category 400 Contract No. RD-CD-269-10</p>					<p>Total This Sheet</p>		_____	___

ITEM	CODE	QUANTITY	UNIT	ITEM DESCRIPTION	UNIT PRICE		ITEM TOTAL	
5017	-	2,660	L.F.	4 INCH YELLOW THERMOPLASTIC PAVEMNT MARKING LINE	_____	—	_____	—
5018	549401	866	L.F.	5 INCH WHITE THERMOPLASTIC PAVEMNT MARKING LINE	_____	—	_____	—
5019	549405	105	L.F.	10 INCH YELLOW THERMOPLASTIC PAVEMNT MARKING LINE	_____	—	_____	—
5020	-	406	L.F.	12 INCH WHITE THERMOPLASTIC PAVEMNT MARKING LINE	_____	—	_____	—
5021	549419	128	L.F.	24 INCH WHITE THERMOPLASTIC PAVEMNT MARKING LINE	_____	—	_____	—
5022	-	664	S.F.	WHITE THERMOPLASTIC PAVEMNT MARKING LEGENDS AND SYMBOLS	_____	—	_____	—
5023	-	950	L.F.	REMOVAL OF EXISTING PAVEMNT LINE MARKINGS – ANY WIDTH	_____	—	_____	—
<p>End Category 500 Contract No. RD-CD-269-10</p>				<p>Total This Sheet</p>			_____	—

ITEM NO.	CATEGORY 1000 - PRELIMINARY	UNIT	ESTIMATED QUANTITY
1001	Clearing and Grubbing	LS	1
1002	Type B Engineers Office	LS	1
1003	Maintenance of Traffic	LS	1
1004	Temporary Concrete Traffic Barrier for MOT	LF	135
1005	Reflective Barrier Markers and Vertical Panels	EA	10
1006	Temporary Traffic Signs	SF	114
1007	Temporary Crash Cushion Sand Filled Plastic Barrels	EA	7
1008	Drums for Maintenance of Traffic	EA	17
1009	Type III Barricade for Maintenance of Traffic	EA	3
1010	Type III Barricade - Permanent	EA	4
1011	Temporary Orange Construction Fence	LF	500
1012	Construction Stakeout	LS	1
1013	Mobilization	LS	1
1014	Type A Critical Path Construction Schedule	LS	1
1015	As-Built Drawings	LS	1

ITEM NO.	CATEGORY 2000 - GRADING	UNIT	ESTIMATED QUANTITY
2001	Unclassified Excavation	CY	19950
2002	Common Borrow	CY	3650
2003	Test Pit Excavation	CY	20
2004	Contingent: Unsuitable Material	CY	7000
2005	Contingent: Geosynthetic Stabilized Subgrade using Graded Aggregate Base	CY	3700
2006	Contingent: Geotextile Class ST	SY	1000
2007	Contingent: Geogrid	SY	1000

ITEM NO.	CATEGORY 3000 - DRAINAGE	UNIT	ESTIMATED QUANTITY
3001	AASHTO No 57 Aggregate	CY	1050
3002	6 Inch Perforated PVC Drain Pipe	LF	2540
3003	15 Inch Polypropylene Pipe	LF	344
3004	18 Inch Polypropylene Pipe	LF	277
3005	24 Inch Polypropylene Pipe	LF	438
3006	36 Inch Polypropylene Pipe	LF	280
3007	Open Back COG - 10 Ft	EA	1
3008	COS Shallow Inlet - 10 Ft	EA	1
3009	COS Inlet - 10 Ft	EA	2
3010	COG Inlet - 10 Ft	EA	5
3011	Type K Inlet - Single	EA	1
3012	72 Inch Diameter Storm Drain Manhole	EA	3
3013	48 Inch Square Standard Shallow Manhole	EA	1
3014	Standard 24" Concrete End Section	EA	1
3015	Standard 36" Concrete End Section	EA	1
3016	Cast in Place Concrete Weir (Mix No. 2)	CY	1
3017	Filter Dike	TON	16
3018	Silt Fence	LF	905
3019	Standard Inlet Protection	EA	1
3020	Curb Inlet Protection	EA	9
3021	Stabilized Construction Entrance	EA	1
3022	Super Silt Fence	LF	680
3023	Contingent: 24 Inch Clear Water Diversion	LF	200
3024	Diversion Fence	LF	555
3025	Contingent: Flowable Fill	CY	200
3026	Riprap Slope and Channel Protection	SY	81

ITEM NO.	CATEGORY 4000 - STRUCTURES	UNIT	ESTIMATED QUANTITY
4001	Mix No. 2 Concrete for Retaining Wall Leveling Pad	CY	35
4002	Mix No. 6 Concrete for Retaining Wall	CY	195
4003	Precast Modular Block Retaining Wall System	SF	3324

ITEM NO.	CATEGORY 5000 - PAVING	UNIT	ESTIMATED QUANTITY
5001	Graded Aggregate Base - 12 Inch Depth	SY	6850
5002	Hot Mix Asphalt Superpave Surface 12.5mm PG64H-22	Ton	1700
5003	Hot Mix Asphalt Superpave Base 19mm PG64S-22	Ton	1900
5004	Price Adjustment for Asphalt Binder	EA	30000
5005	Price Adjustment for Pavement Density	EA	15000
5006	Price Adjustment for Asphalt Mix	EA	15000
5007	Porous Asphalt (Open Graded Friction Course) 9.5mm Surface	Ton	700
5008	Porous Asphalt (Open Graded Friction Course) 19mm Base	Ton	1375
5009	Porous Asphalt #57 Stone for Choker Layer	CY	435
5010	Porous Asphalt #2 Stone Base Reservoir	CY	2225
5011	Porous Asphalt Geotextile PE Type I	SY	6000
5012	Porous Asphalt Geotextile MD Class ST	SY	600
5013	2 Inch Mill	SY	120
5014	HMA for Wedge and Level	Ton	20
5015	Saw Cuts	LF	135
5016	4 Inch White Thermoplastic Pavement Marking Line	LF	4339
5017	4 Inch Yellow Thermoplastic Pavement Marking Line	LF	2660
5018	5 Inch White Thermoplastic Pavement Marking Line	LF	866
5019	10 Inch Yellow Thermoplastic Pavement Marking Line	LF	105
5020	12 Inch White Thermoplastic Pavement Marking Line	LF	406
5021	24 Inch White Thermoplastic Pavement Marking Line	LF	128
5022	White Thermoplastic Pavement Marking Legends and Symbols	SF	664
5023	Removal of Existing Pavement Line Markings - Any Width	LF	950

ITEM NO.	CATEGORY 6000 - SHOULDERS	UNIT	ESTIMATED QUANTITY
6001	Pervious Concrete Sidewalk	SF	7914
6002	Type A Concrete Curb and Gutter	LF	2489
6003	2 Ft Concrete Monolithic Median	LF	477
6004	4 Ft Concrete Monolithic Median	LF	374
6005	Detectable Warning Surface for Curb Ramps	SF	71
6006	W- Beam Traffic Barrier	LF	71
6007	W- Beam Traffic Barrier at Structure	LF	324
6008	Type B Traffic Barrier End Treatment	EA	3
6009	Type C Traffic Barrier End Treatment	EA	5
6010	Rail Riders Traffic Barrier W-Beam Reflective Delineators	EA	40

ITEM NO.	CATEGORY 7000 - LANDSCAPING	UNIT	ESTIMATED QUANTITY
7001	Placing Salvaged Topsoil, 4 Inch Depth	SY	9000
7002	Contingent: Placing Furnished Topsoil, 4 Inch Depth	SY	4000
7003	Temporary Seed	SY	5000
7004	Temporary Mulch	SY	5000
7005	Type A Soil Stabilization Matting	SY	9000
7006	Contingent: Type D Permanent Soil Stabilization Matting	SY	1000
7007	Turfgrass Establishment	SY	9000
7008	Landscape Screening, Evergreen 6 Ft Min	EA	38

ITEM NO.	CATEGORY 8000 - TRAFFIC	UNIT	ESTIMATED QUANTITY
8001	Square Perforated Tubular Steel Posts	EA	18
8002	Square Tubular Steel Anchor Bases	EA	18
8003	Mounting Mast Arm Signs	EA	7
8004	Sheet Aluminum Signs	SF	138
8005	Video Detector Camera	EA	2
8006	Video Detector Cable	LF	255
8007	Audible Pedestrian Pushbutton Assembly	EA	4
8008	10 Foot Steel Breakaway Pedestal Pole	EA	4
8009	2 Inch Schedule 80 PVC Conduit, Trenched	LF	50
8010	12 Inch 3-Section LED Signal Head	EA	11
8011	16 Inch 1-Section, 1-Way LED Pedestrian Signal Head	EA	4
8012	2-Conductor Cable (No. 14 AWG)	LF	1500
8013	5-Conductor Cable (No. 14 AWG)	LF	1500
8014	7-Conductor Cable (No. 14 AWG)	LF	4000
8015	Relocate Existing Mast Signals and Signs	LS	1
8016	8 Inch Water Lateral	LF	232
8017	8 Inch Gate Valve	EA	4
8018	Fire Hydrant Assembly	EA	2
8019	12"x12"x8" Tee for Waterline	EA	2
8020	12"x8" Cross for Waterline	EA	1
8021	12 Inch Water Line	LF	856
8022	12 Inch Gate Valve	EA	4
8023	2 Inch Blow Off Valves	EA	6
8024	Adjust Existing Water Valve Elevations	EA	4
8025	24 Inch Steel Sleeve for Utility Crossings	LF	24
8026	Sanitary Sewer Rim Adjustment	EA	2
8027	(2) 6-inch, (2) 5-inch, (2) 4-inch PVC Conduit Bank, Trenched	LF	200

NO.	REVISION DESCRIPTION	DATE
1	ADDENDUM NO. 1 - REVISED QUANTITIES	10.22.18

DESIGNED BY: P.J.M.
DRAWN BY: G.L.J.
CHECKED BY: P.J.M.
DATE: 9-6-18

WASHINGTON COUNTY, MARYLAND
DIVISION OF ENGINEERING

Washington County Administrative Annex, Building
80 W. Baltimore St., Hagerstown, MD 21740
Phone: 240-313-2660 Fax: 240-313-2401

COLONEL HENRY K. DOUGLAS DRIVE
EXTENSION, PHASE I & II

SUMMARY OF QUANTITIES

ADDENDUM NO. 1
ISSUED: **October 26, 2018**
ATTACHMENT "H"

PAGE 1 of 1

SHA No. WA460ZM1
FAP No. APL-3(513)N

SCALE	NONE
SHEET NO. QTY-01* 60 OF 60	
PROJECT NO.	10-269