CECIL COUNTY, MARYLAND
Department of Finance
Purchasing Division
200 Chesapeake Boulevard, Suite 1400, Elkton, MD 21921

ADDENDUM #1
Bid 19-13-55064; Marley Road Sewer Extension

August 8, 2018

1. This addendum is hereby made part of the Bid/Contract Documents for the referenced proposal. Please note the following changes, corrections, and/or information and include the requirements stated herein as part of this Bid/Contract:

   All changes are posted in Attachment #1:

2. Any questions please contact the Purchasing Office at 410-996-5395 or email to ckamit@ccgov.org. Ensure the addendum is annotated within the bid package forms as required.

   Thank You

Connie Kamit
Acting Purchasing Agent
Cecil County, Maryland

Attachment #1
CECIL COUNTY, MARYLAND
BID NO. 19-13-55064

MARLEY ROAD SEWER EXTENSION

Cecil County Government
Purchasing Department
200 Chesapeake Blvd., Suite 1400
Elkton, MD  21921

Addendum No. 1
August 8, 2018

A. Addendum No. 1 is issued as part of the Contract Document, to inform and/or specify changes, which take precedence over information contained in the original Contract Documents. Unless otherwise specifically noted or specified hereinafter, or shown on drawings or schedules accompanying this Addendum, all work required by this Addendum shall conform to the applicable provisions of the Contract Documents. It shall be the responsibility of the Respondent to include in their bid any cost implications of this Addendum. All Respondents are to indicate on the form of proposal submitted by them, acknowledgement of receipt and compliance with the contents of this Addendum No. 1.

B. Any provision in any of the Contract Documents, which may be in conflict or be inconsistent with the contents of this Addendum, shall be void to the extent of such conflict or inconsistency.

C. Bids are due to the Cecil County Purchasing Office by 1:30 p.m. on August 22, 2018. The bid opening will be held in the Rising Sun Room at the County Administration Building, 200 Chesapeake Blvd., Elkton, MD. Note the room change.

D. The due date for questions has been extended to August 10, 2018. Written questions shall be emailed by 4:30pm local time to the attention of Connie Kamit – ckanit@ccgov.org, Acting Purchasing Agent with the Cecil County Purchasing Office. Responses to questions will be provided by the end of day on August 15, 2018.

E. The County’s SCADA system integrator is M. Davis & Sons, Inc. The County has obtained a proposal from M. Davis for SCADA integration (inclusive of radio path study) – see attached. The proposal outlining the integrator’s scope of work and quote for services is made part of the contract documents via this addendum. Contractor will pay M. Davis directly and include the associated costs in “Bid Item A-17 Telemetry and SCADA Communications”. The Contractor shall also include in this Bid Item (A-17) any additional costs necessary for coordinating and providing a fully operational pump station in accordance with the Contract Documents.

F. Maryland SHA has issued a revised utility permit for the project revising the permitted work hours to 7:00am to 6:00pm Monday thru Friday – see attached. The revised utility permit is made part of the contract documents via this addendum. Note: Maryland SHA has stated
that the work hours will be adjusted when daylight savings time ends on November 4, 2018. Work may only be performed during daylight hours including, but not limited to, the set up and take down of all traffic control measures.

G. Guardrail end treatments are specified for the Route 40 Access Road Entrance via this addendum. Please refer to revised Detail 1, Drawing C-35, Sheet 39 of 62 and the corresponding SHA Standard details attached. The cost of guardrail removal and end treatment installation shall be included in Bid Item A-20 Mill Run Pump Station Access Road.

H. The Contractor will be responsible for all coordination with Delmarva Power for the proposed permanent electrical service, as well as any temporary electrical service required by the Contractor to perform work. Currently Bid Item A-18 includes the cost of the proposed permanent Delmarva Power electrical service; however, after County review the Delmarva Power invoice will be paid directly by the County. The Contractor will still be responsible for all costs associated with coordination with Delmarva as well as any required construction activity to install the permanent electrical service which is not in Delmarva’s scope. The payment definition for Bid Item A-18 shall be revised to state:

12. Bid Item A-18 — Mill Run Pump Station Electrical (Including Installation of Proposed Generator)

a. Measurement — This item will not be measured. The lump sum payment for this item is for all work, materials, and equipment for all electrical work.

b. Payment — Payment will be based on furnishing all material, labor and equipment as necessary for electrical improvements as shown on the contract drawings and described herein. The work under this item shall include, but not be limited to, the following: installation of all electrical work necessary including variable frequency drives, pump control panel, panel boards, installation of generator and automatic transfer switch, enclosed circuit breaker, utility meter housing, concrete equipment pads (including pad for Delmarva transformer), unclassified excavation, spoils, trench/backfill associated with conduit/duct bank installation, installation of all wiring/conduits, grounding, bonding, lighting, powering all instrumentation identified in the Contract Documents requiring power, and all other miscellaneous electrical work to satisfactorily complete the project.

c. Coordination with Delmarva Power is incidental to this bid item.

d. Delmarva Power’s scope of work will include installation of primary conductors, transformer on owner provided pad, and the utility meter in owner provided meter housing. All work completed directly by Delmarva Power for the proposed permanent electrical service will be paid directly by the County and is not part of this bid item.
I. The following language from Specification Section 15160 Wastewater Pumps and Motors – Part 2 Item 4.h shall be deleted:

    h. Cooling System — Each pump shall be equipped with an adequately designed cooling system. A cast iron cooling jacket shall encircle the stator housing to provide cooling to the motor. Cooling shall be accomplished by circulating clean fluid around the motor housing and dissipating the heat by means of an internal heat exchanger. The cooling system shall be independent of the installation and shall not utilize the pumped media for cooling. Each pump shall be able to operate in a snore condition, a condition which low-level shutoff is not functioning for an extended period of time.

Attachments:

- Revised Maryland SHA Utility Permit No. SHA-2-CE-0090-18
- Revised Detail 1, Drawing C-35, Sheet 39 of 62 – Route 40 Access Road Entrance
- SHA Standard Detail No. MD-605.03 – Type C Traffic Barrier End Treatment
- SHA Standard Detail No. MD-605.04 – Grading Adjustment for 3R Type Work
- SHA Standard Detail No. MD-605.10-01 – Type K Traffic Barrier End Treatment (Option 2 and 3 Anchorage)
- SHA Standard Detail No. MD-605.10-02 – Type K Traffic Barrier End Treatment (Anchorage Details)
Hazen and Sawyer  
1 South St  
Baltimore, MD 21202

ATTENTION: Alex Lopez

SUBJECT:  
Mill Run Pump Station Scada Panel  
M. Davis & Sons, Inc. Quote No. 26518-0116

Dear Alex:

We are pleased to submit our proposal for the Mill Run SCADA Panel for the total lump sum of $35,196.00 (Thirty Five Thousand One Hundred Ninety-Six Dollars and No Cents)

SCOPE OF WORK

We have included the following:

- One (1) NEMA 4X Hoffman Enclosure
- One (1) Back Panel
- One (1) ScadaPack32
- One (1) 15” Idec HMI
- One (1) SD4 Radio which includes the following:
  - 100’ of Antenna Coax Cabling
  - Coax Grounding
  - Polyphaser
  - Coax Connectors
  - 400Mhz Yagi antenna (dB spec will follow radio survey results)
  - Cable Hangers
- 120 VAC Un-Interruptible Power Supply
- Programming to include:
  - SCADA PLC
  - SCADA HMI
  - Radio Configuration
  - MTU (VTscada located at North East River Wastewater Treatment Plant)
• Documentation Package- One (1) USB to include:
  o “As Built” drawings in .pdf & AutoCAD
  o Spec Sheets and Manuals
  o Telepace SCADA Program
  o Idec HMI Program
  o Radio Config. Files
• FAT testing of the SCADA panel
• One (1) day of start-up testing and assistance
• Twenty-Four (24) Instructor hours for training Operations & Maintenance

CLARIFICATIONS:
• Control functionality will be wired and programmed per the outlined specs in document section 16160 “Pump Control and SCADA System” provided to M. Davis by Hazen and Sawyer.
• VFD purchase & VFD Programing is done by others.
• Field Instrumentation & Setup is done by others.
• Installation of Antenna tower, Antenna, & Cabling will be done by others.
• Electrical service is done by others.

STIPULATIONS:

1. We have excluded delivery.

2. We have excluded any field wiring.

3. We have not included expediting of materials.

4. All work to be performed during regular working hours with no overtime included. Working hours to be 7:00 a.m. to 3:30 p.m., Monday through Friday, excluding holidays.

5. This quote is tendered based on available resources. Any delays in award will make this quote subject to review by M. Davis & Sons, Inc.

6. We will not be responsible for any incident with environmental impact.
7. Additional work will be done on a lump sum basis.

8. We have not included any building and/or construction permits.

9. We have not included any electrical and/or plumbing permits.

10. M. Davis & Sons, Inc. will not execute any contract or agreement that includes a "Harmony Clause".

11. Partial payments are required on jobs that are over 30 days in duration, based on progress.

12. This quote is based upon the receipt of a credit rating and a payment schedule that is acceptable to M. Davis & Sons, Inc. prior to commencing work.

13. Any applicable state sales or use taxes will be billed in addition to contract amounts or other normal billings unless a valid "Tax Exempt" form is provided by the customer prior to commencing work. Any such tax charges will be itemized and shown as a separate line item.

14. We have included U.L. approval, certification, testing or listing of control panels, process equipment, or customer purchased machinery which contains integral control devices or control panels.

15. We have not included any travel time, per diem or hotel cost into this quote. This quote is based on travel time of one (1) hour from our Wilmington, DE location.

16. This proposal is subject to negotiation of a reasonable, mutually agreed upon contract.

17. M. Davis provides a six (6) month limited warranty/guarantee on all construction performed. The warranty covers all labor, material and subcontractor's work performed to contract plans and specifications. M. Davis & Sons, Inc. does not warranty/guarantee (written, expressed or implied) manufactured equipment or material integrity. All manufactured equipment warranties are the responsibility of the owner. Any customer requiring a warranty/guarantee longer than six (6) months must submit a written, detailed scope of boundaries required, including the coverage period, prior to commencement of work or construction. M. Davis must approve the written warranty/guarantee for items to be covered. M. Davis reserves the right to decline a request or to void the warranty if conditions have been altered. Acceptance of our rate package or quote letter supersedes all other contracts or general conditions.
18. The price quoted will be held for 30 days, after which, we reserve the right to review and/or adjust.

TERMS:

Weekly invoicing, net 30 days, 1.5% per month penalty after 30 days

We appreciate the opportunity to quote this project. Please contact us if we can be of further assistance.

M. DAVIS & SONS, INC.

By: Brett Davis
    Brett Davis
    Project Coordinator

Purchase orders may be submitted via email to purchaseorders@mdavisinc.com
Utility Permit

Permit Number: SHA-2-CE-0090-18

Route No.: US 40

Limits: THIOKOL RD - CO 176 to MARLEY RD - CO 175

Mile Point: 12.750, 10.480

Issue Date: 3/27/2018

Expiration Date: 3/27/2019

So far as the MDOT State Highway Administration has the right and power to grant same, permission is hereby given to:

Permittee: Cecil County Public Works Department
200 Chesapeake Blvd.
Suite 2400 A
Elkton, MD 21921

Attention: Craig Marker
Phone#: (410) 996-8373
Email: cmarker@ccgov.org

Description of Work:
To perform work in the SHA right-of-way to install approximately 19,691' of 8" and 12" PVC sewer force main underground by means of jack and bore method. Work area is both the eastbound and westbound lanes US 40 between Thiokol Road and Marley Road in Cecil County. Work to begin at STA. 0+00 were 12" PVC/steel casing will be installed under all lanes of US 40. From this point installation will be done on both sides of the roadway extending out to the west to STA. 44+00 and to the east to STA. 10+50. At STA. 10+50 installation of sewer main will leave the SHA right-of-way.

The following Special Conditions apply to this permit.

Work hours shall be from 7:00am thru 6:00pm Monday thru Friday. This permit covers only the work being performed in the SHA right-of-way. Permit will expire one year from date of issue. Before any excavation the permittee must contact "MISS UTILITY" for Cecil County at 1-800-257-7777. Staging/storage of materials, vehicles or equipment used during the construction of the sewer main will not be permitted in the SHA right-of-way.

Closure of driveway entrances must be coordinated with the property owner at least one week in advance. The contractor is responsible for coordinating with the local police, fire companies, schools and EMS as to the status of all lane closures that could affect public safety. All residential/commercial entrances that are removed, damaged or disturbed shall be replaced in kind as soon as possible to avoid any disruption to the property owner.
An onsite pre-construction meeting with the SHA Permit Inspector is required before any work starts. Other special conditions of this permit will be discussed at the field meeting and enforced. All pavement openings in the right-of-way shall be excavated no larger than the required area that is to be tested. Areas of excavation shall be backfilled with capping borrow in accordance with Section 916 of the Maryland Dept. of Transportation Book of Standards for Construction and materials. Cold Patch Asphalt is not authorized for temporary repairs. All open trench or cuts must be filled with capping borrow and covered with traffic bearing steel plates and marked by reflective orange/white drums at night. For permanent repairs of the pavement/asphalt see MD Std. 578.01. Permanent repairs to open cut areas must be accomplished within 7 days with asphalt. Cold patch Asphalt is not authorized for permanent repairs.

You must apply for a Lane Closure Permit for the above referenced road from the SHA, District 2 Utilities, and it must be approved before starting work. The State Highway Administration reserves the right to modify or expand the methods of traffic control specified and to restrict the working hours if in the opinion of the SHA Engineer the contractors operations are detrimental to the safe and efficient flow of traffic.

A Bond/Letter of Credit for $10,000.00 will be required prior to the start of any work in the SHA right the for work being done under this permit. Placement of the sewer main at all road crossings will be at a depth of at least 5’ and installation that is parallel to the road will be at least 42” in depth or below the existing ditches whichever is greatest.

All areas that are disturbed as a result of the work being done under this permit must be stabilized at the end of each work day by seeding, topsoil and mulching. The permittee shall obtain the necessary approvals from SHA Highway Hydraulics Division, Remedial Bridge Repair Division, Office of Environmental Design, Maryland Department of Environment, Maryland Department of Natural Resources, local, state, federal and all other permits and approvals necessary to conform to the SHA District permit requirements.

Work Zone Traffic Control Standard to be used for work being performed under this permit are number MD 104.04-01 and MD 104.04-05.

Notifications:

a. Permittee must notify JOHN ANDERSON JR, the MDOT State Highway Administration Assistant District Utility Engineer, at (410) 810-3274, 48 hours prior to commencement of any activities related to this permit.

b. The permittee will designate the Traffic Manager for this permit and a 24 hour emergency number at the pre-construction meeting.

c. All work for this permit shall be in conformance with the above referenced documentation supplied by the utility company.

THIS PERMIT IS ISSUED WITH THE REQUIREMENT THAT IT WILL BE ENFORCED BY THE GENERAL PROVISIONS, SPECIAL PROVISIONS, AND PERMIT REGULATIONS AS OUTLINED IN THE FULL LENGTH SHA MASTER UTILITY PROVISIONS WHICH MUST BE FOUND ON THE JOB SITE AT ALL TIMES.

A COPY OF THIS PERMIT MUST ALSO BE FOUND ON THE JOB SITE AT ALL TIMES.
By: _________________________
GREGORY HOLSEY
District Engineer
MDOT State Highway Administration
NOTES

1. 6:1 MAX GRADING IS ALLOWABLE WHEN THE BARRIER IS LOCATED 12 FT. OR MORE FROM THE OUTSIDE EDGE OF SHOULDER.
2. WHEN THE TRAFFIC BARRIER POST IS PLACED LESS THAN 4' FROM THE EDGE OF SHOULDER/PAVEMENT THE END TREATMENT SHALL BE FLARED AT A RATE OF 50:1
3. GRADING SHALL BE AS SHOWN ABOVE.
4. SYSTEM MUST BE INSTALLED AT 30 INCHES.
5. END TREATMENT DELINEATION SHALL BE PLACED IN ACCORDANCE WITH STD. MD 605.02-01.
Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES

TYPE K TRAFFIC BARRIER END TREATMENT
OPTION 2 & 3 ANCHORAGE

STANDARD NO. MD 605.10-01
5/8" DIA. BOLT WITH NUT. FLAT WASHER ON FRONT FACE OF RAIL. FOR BOLTS AND NUTS (SEE "POST BOLTS" STD. MD 605.211).

TRAFFIC BARRIER W BEAM

EITHER FULL PENETRATION WELD OR BEND TO FIT

1/2" WELD

3/8" x 3" x 16" PLATE

3/8" x 3" x 2 1/2" PLATE

1/4" WELD ON THREE SIDES

5/16" x 3" x 2 1/4" PLATE

HEX. NUT FOR 1" STUD

1" DIA. STUD

1 1/4" DIA. HOLE IN 5/8" PLATE

3/4" DIA. CABLE TO BE SWAGE CONNECTED

1" DIA. X 7" LONG THREADS ENTIRE LENGTH

STANDARD SWAGGED FITTING AND STUD

ANCHOR PLATE DETAILS

5/8" DIA. HOLE HOLES

3/8" x 2 1/2" x 3" STEEL END PLATE

3/8" STEEL ANCHOR PLATE ONE PIECE COLD FORM

SECTION A-A

ALTERNATE ANCHOR PLATE DETAILS

8 1/4" THICK

EIGHT 1/8 1/4" DIA. HOLES

END PLATE

3/8" THICK

NOTE

1. FOR MOUNTING DETAILS SEE STD. MD 605.10.
SEE STANDARD MD 605.31 FOR TRAFFIC BARRIER HEIGHT

MATERIAL AS SPECIFIED IN SECTION 901 OF THE SPECIFICATION BOOK

SECTION A-A

GRADE TO LIMIT OF END TREATMENT
OR AS DIRECTED BY THE ENGINEER

HINGE POINT OF VARIABLE 10:1 MAX. GRADING

TYPE C TERMINAL ONLY

EDGE OF SHLD.

DIRECTION OF TRAFFIC

PLAN VIEW

NOTES
1. SURFACE ADJUSTMENT SHALL BE STABILIZED WITHIN 48 HOURS.
2. PAID FOR USING CATEGORY CODE ITEM 861550.
3. DEFINITION OF 3 R TYPE WORK IS RESURFACE, REHABILITATION & RESTORATION

Maryland Department of Transportation
STATE HIGHWAY ADMINISTRATION
STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES

GRADING ADJUSTMENT FOR 3 R TYPE WORK

STANDARD NO. MD 605.04