

**TITLE PAGE
“THE PROJECT”**

**UNDERPASS WAY SIDEWALK EXTENSION
COUNTY CONTRACT NO. MS-UW-271-28
PROJECT NO. MS-UW-28-271
IN
WASHINGTON COUNTY, MARYLAND**

The project will consist of installation of new sidewalk to improve the safety in the area for pedestrians walking along Underpass Way roadway. The project involves grading, construction of approximately 700 LF of concrete sidewalk, combination curb and gutters, ADA accessible ramps, drainage pipe, curb inlets, stormwater bioretention area, asphalt paving, and pavement markings.

All work on this project shall be done in accordance with the requirements of the Maryland Department of Transportation State Highway Administration "Standard Specifications for Construction and Materials" (hereinafter referred to as "MDOT SHA Specifications") dated July 2019, as amended to the date of advertisement for this Proposal; revisions thereof, or additions thereto, and the Special Provisions included in this Invitation for Bids.

All standard details and standard plates referred to shall be those of Maryland State Highway Administration's Book of Standards – for Highway & Incidental Structures (hereafter referred to as the "Book of Standards") and the latest revision thereto.

All references to the State of Maryland, State, State Roads Commission, State Highway Administration, or Commission in the Special Provisions, the MDOT SHA Specifications, or the Book of Standards shall be construed to refer to Washington County, Maryland.

All references to the Engineer shall be interpreted to refer to the County's assigned Project Representative within the Washington County Division of Engineering and Construction Management.

All references to officials of Maryland State government, or the Maryland State Highway Administration in the Special Provisions, the MDOT SHA Specifications or the Book of Standards shall be interpreted to refer to the appropriate official in Washington County government.

The Invitation to Bid, the General Conditions, and the Special Provisions are supplemental to the MDOT SHA Specifications and form part of the Contract. In case of a conflict between the MDOT SHA Specifications and the Special Provisions, the Special Provisions shall govern.

In case of conflict between the Book of Standards and the plans, the plans shall govern. In case of conflict between the plans and the Special Provisions, the Special Provisions shall govern.

In addition to the above, the 2011 Maryland Standards and Specifications for Soil Erosion and Sediment Control, Water Resources Administration Standard Details, Maryland 378 Pond Specifications, and AASHTO requirements for materials shall apply. And all stormwater management structures to be built as part of this project shall be constructed in strict accordance with the Stormwater Management Ordinance for Washington County, Maryland. (This document can be found on the Internet at <http://www.washco-md.net/>)

PUBLIC UTILITIES

The utility companies listed below may have existing installations within the limits of “THE PROJECT”. It is necessary that the Contractor notify the utility company(ies) a minimum forty-eight (48) hours in advance of working in the vicinity of any installation in order that the location of existing utilities may be staked and/or protected.

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| (1) Potomac Edison
P. O. Box 397
Williamsport, MD 21795
(301) 582-5270 | (2) Hagerstown Water & Sewer Dept.
1 Clean Water Circle
Hagerstown, MD 21740
(301) 790-3200 |
| (3) Verizon
1710 Underpass Way
Hagerstown, MD 21740
(301) 791-9950 | (4) AT&T OSP Consultant
10 N. Jefferson Street, Suite 308
Frederick, MD 21701
(301) -228-2502 ext. 8107 |
| (5) Antietam Cable T.V.
1000 Willow Circle
Hagerstown, MD 21740
(301) 797-5000 | (6) Columbia Gas of Maryland
55 Sycamore Street
Hagerstown, MD 21740-6012
(240) 420-2020 |
| (7) Miss Utility
1-800-257-7777 | |

Also refer to General Conditions, Section 5 – Control Of The Work and Section 7 – Legal Relations And Responsibility To The Public

MATERIAL TESTING

All materials and equipment used in the construction of the project shall be subject to adequate inspection and testing in accordance with accepted standards. The Contractor shall be responsible for the field/laboratory testing as described below.

- A. CONCRETE:
The Contractor shall be responsible for sampling, molding, curing, transporting, and testing concrete test specimen for compressive strength analysis in

conformance with AASHTO/ASTM Specifications. As a minimum, the Contractor shall take four (4) concrete cylinders per pour for each mix design and/or as directed by the Engineer. The field concrete testing shall include, slump test, air content test, and temperature information on freshly mixed concrete. All necessary paper work shall be prepared by the Contractor, and sent along with the concrete test cylinders to a laboratory approved by the Engineer. The specimens shall not be transported from field to laboratory before completion of the initial curing. During transportation, specimens shall be cured and protected with suitable cushioning material to prevent damage from jarring and damage by freezing temperature, or moisture loss.

For **compressive strength testing** each set of concrete cylinders shall be tested as follows:

One (1) concrete cylinder shall be broken at seven (7) days.

One (1) concrete cylinder shall be broken at fourteen (14) days.

Two (2) concrete cylinders shall be broken at twenty-eight (28) days.

The compressive strength test results report, for each concrete cylinder, shall be submitted to the Engineer no later than 48 hours after the actual break time period. The Engineer may change the test frequency for the concrete cylinder breaks as noted above.

All cast-in-place concrete quantities shall be computed using the as-planned dimensions shown on the plans or directed by the Engineer. There will be no increase allowed if the Contractor elects to construct the foundations larger than the planned dimensions for ease of construction. The Contractor shall submit all concrete tickets to the Engineer along with the request for payment.

B. SOILS:

All soil samples (on and off-site) shall be tested by the Contractor in a laboratory approved by the Engineer. This includes but is not limited to, sieve analysis with hydrometer, Atterburg limits, moisture-density relationship test (AASHTO T-180), and any other pertinent test necessary for soil(s) classification. The testing shall apply to all Borrow Material(s), and all on-site suitable material(s) excavated which may be used in the construction of embankments. The Contractor shall submit all test results to the Engineer for approval prior to its placement. The test types shall be selected by the Engineer, and shall be performed in accordance with AASHTO/ASTM Standards.

The Contractor shall be responsible for in-place density testing by a nuclear gauge (test at every 500 LF per each lift as directed by the Engineer). Results shall be submitted to the Engineer for review.

The Contractor shall retain a Maryland licensed Geotechnical Engineer to verify the soil net bearing pressure prior to placement of the concrete footings. Should the actual allowable bearing pressure at the planned bottom of footing elevation be found to be less than assumed, the width or depth of the footing shall be adjusted at the direction of the Engineer. The Geotechnical Engineer must submit a report of the findings to the Engineer for review.

If the Contractor elects to use a borrow pit, he shall stakeout the area and provide the necessary soil analysis and test results from a maximum density test in accordance with AASHTO T180 by a Soils Laboratory approved by the Owner.

C. AGGREGATES:

The Contractor shall provide the Owner all laboratory tests for aggregates (fine & coarse) for quality control purposes prior to its placement. The tests shall include, but not be limited to, sieve analysis, moisture-density relationship, and specific gravity tests (if required by the Engineer). All tests shall be performed from a finished product at the quarry in accordance with AASHTO/ASTM Standards. The Contractor shall be responsible for in-place density testing by a nuclear gauge (test at every 500 LF per each lift as directed by the Engineer). Results shall be submitted to the Engineer for review. Testing shall be incidental to the other item(s) being tested.

D. ASPHALT:

The nuclear/core method shall be utilized with a minimum of four (4) nuclear density tests required. The Contractor shall comply with these testing standards established for the quality control, and must submit the test results to the Owner for review within 24 hours after they are received. The Owner reserves the right to stop the paving operation and ask for corrections if the test results do not meet the Specification Standards.

Payment for all material testing and geotechnical engineering services shall be incidental to the pertinent pay items specified in the Contract.

GOVERNMENT DEBARMENT AND SUSPENSION (TITLE 40 PART 32)

OMB Guidance in 2 CFR part 180

Persons who receive award of a subgrant, contract, or subcontract exceeding \$25,000 must not award lower tier transactions to entities that are debarred, suspended, proposed for debarment, excluded or disqualified under the nonprocurement common rule.

When a non-federal entity enters into a covered transaction with an entity at a lower tier, the non-federal entity must verify that the entity is not suspended or debarred or otherwise excluded. This verification may be accomplished by:

- (a) Checking the Excluded Party List System (EPLS) maintained by the General Services Administration (GSA);
- (b) Collecting a certification from that entity; or
- (c) Adding a clause or condition to the covered transaction with that entity (2 CFR section 180.300).

The information contained in the EPLS is available in printed and electronic formats. The printed version is published monthly. Copies may be obtained by purchasing a yearly subscription from the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402, or by calling the Government Printing Office Inquiry and Order Desk at (202) 783-3238. The electronic version can be accessed on the Internet at <http://epls.arnet.gov>.