

**REQUEST FOR PROPOSALS  
AND QUALIFICATIONS  
FOR  
PROFESSIONAL  
PLANNING & ENGINEERING  
SERVICES**

**COLUMBIA COUNTY FLOOD MITIGATION PROJECTS AND  
COLUMBIA COUNTY WEST END FLOOD RISK MANAGEMENT SYSTEMS**



PROPOSALS/  
QUALIFICATIONS  
SOLICITED BY:

COLUMBIA COUNTY  
11 WEST MAIN STREET  
BLOOMSBURG, PA 17815

Date of Posting: April 1, 2026- April 30, 2026

Contact: Tyler Dombroski, Director  
Community Development Program  
201 Furnace Road  
Lewisburg, PA 17837  
570-524-4491 ext. 7243

Columbia County is seeking proposals and qualifications from firms that wish to provide planning and engineering services for five flood mitigation and flood risk management system projects in the West End of the Town of Bloomsburg that are located within the floodplain and floodway of Fishing Creek.

Three floodplain/floodway improvement projects are proposed to mitigate induced flooding of Fishing Creek. All necessary engineering services for construction of said projects are being procured through a Request for Proposals evaluation efforts, necessitating submission of pricing as a component of submitted proposals.

Two structural levee/floodwall projects are proposed to reduce flood risk in the West End of the Town of Bloomsburg. All necessary preliminary engineering services for construction of said projects are being procured through a Request for Proposals evaluation efforts, necessitating submission of pricing as a component of submitted proposals.

All final design, construction administration, closeout services, and all other related tasks for the construction of the two structural levee/floodwall projects in the West End in the Town of Bloomsburg, are being procured through a Request for Qualifications evaluation, with contract pricing intended to be negotiated at a later date. Columbia County reserves the right to retain said engineering services through a newly awarded engineering contract or through a contract amendment.

Due to time constraints and funding availability associated with the various projects, specified duties for individual projects may or may not occur concurrently.

A non-mandatory pre-submission site visit will be held on April 13, 2026, at 2pm at the Bloomsburg Fairgrounds, 2<sup>nd</sup> Floor of the Administration Building, 620 West Third Street Bloomsburg, PA 17815.

All Proposals/Qualifications will be accepted until 10 a.m. prevailing time, April 30, 2026, at which time the submitted Proposals/Qualifications will be publicly opened in Columbia County's Commissioner Meeting Room, 702 Sawmill Road, Bloomsburg, PA. Proposals/Qualifications shall be sealed and clearly marked on the outside, "Professional Planning and Engineering Services" and submitted to:

Dave Withey  
Chief Clerk  
11 West Main Street  
Bloomsburg, Pennsylvania 17815

Questions regarding this proposal and request for qualifications should be directed to:

Tyler Dombroski, Director,  
Community Development Program  
SEDA-Council of Governments  
201 Furnace Road  
Lewisburg, PA 17837  
Phone (570) 524-4491 ext. 7243  
Email: [tdombroski@seda-cog.org](mailto:tdombroski@seda-cog.org).

**Proposals/Qualifications that are faxed or emailed to Columbia County cannot be accepted.**

Upon initial evaluation of the proposal/qualification packages, Columbia County may conduct interviews with firms that submit high-ranking proposals/qualifications in an effort to make a final selection of a planning and engineering service provider. Specific criteria used to determine a high-ranking proposal is discussed in this Request for Proposals and Qualifications.

Columbia County reserves the right to accept or reject any and all proposal packages, waive any irregularities, request additional information and negotiate contract terms and fees.

## **INTRODUCTION/BACKGROUND**

The Bloomsburg area is historically prone to flooding, with the first recorded flooding occurring in 1904. Since 1904, approximately 36 flood events have occurred in Bloomsburg; 24 of these events have taken place since 1955, including two in 2011. These flooding events have left lasting damage on the community and infrastructure.

The West End of Bloomsburg is between the tributary of Fishing Creek and the Susquehanna River. Fishing Creek has a vast drainage area which includes Columbia County and counties north of Columbia County (the headwaters of Fishing Creek). At Bloomsburg, flooding starts when water levels reach 20 feet; at this level the fairgrounds and surrounding areas are affected. At 22 feet homes located between the fairgrounds and the river are affected. At 24 feet much of the fairgrounds and adjacent areas are affected by high waters.

Flooding was particularly devastating in September 2011, when 1/3 of the Town of Bloomsburg was inundated by floodwaters resulting from rain associated with Hurricane Irene and Tropical Storm Lee. After the flood waters receded, the Town of Bloomsburg and its residents, with the assistance of many local, state, and federal agencies, began to rebuild the Town and their homes.

Following the devastating events of Hurricane Irene and Tropic Storm Lee in 2011, flood risk management systems have been aggressively pursued within the Town of Bloomsburg. An \$8.5 million investment was initially made at Kawneer to install a flood risk management system exclusively protecting this facility and 400 jobs. The completion of this structure was followed by an additional \$30 million of public and private investment in a flood risk management system providing coverage for the Autoneum North America, Inc. and Windsor Foods facilities, and approximately 800 jobs. This project was completed in 2016.

In 2016, the Town of Bloomsburg continued the efforts to expand flood risk management within the municipal limits. The Town of Bloomsburg, in collaboration with the Bloomsburg Area School District, allocated \$17 million of public investment to complete the implementation of a flood study and construction of the flood wall along West 12<sup>th</sup> street, which includes the local middle and high schools, residential properties, several small businesses, and the Town's only fire department. This project was completed in 2020.

The flood risk management systems completed in 2016 and 2020 are operated and maintained by the Columbia County Water Mitigation Authority.

## **RECENT PLANNING EFFORTS**

Despite numerous significant investments, the West End of Bloomsburg, one of the neighborhoods most severely affected by the 2011 flood, has not received any flood risk management support. In response, Columbia County has actively sought public funding to bring relief to this underserved area. With the nearby Bloomsburg Fairgrounds, home to Pennsylvania's largest agricultural fair, the potential to implement a comprehensive flood risk management system in this area is stronger now than it has been in decades.

In June 2022, Borton-Lawson completed the West End Flood Mitigation Study final report, as included as Attachment A. The conclusions of this report are that both nonstructural and structural mitigation is considered feasible for the West End of Bloomsburg. Nonstructural measures would include approximately 290 structures eligible for acquisition and demolition. This

type of program would be voluntary, and the level of participation would be uncertain. The large floodway in the West End restricts the options for about 106 of the West End structures to only acquisition and demolition. Elevations or demolition/reconstruction of structures is not permitted in floodways.

As participation is not certain, this is not the preferred method of completion. Structural mitigation proposes constructing levee/floodwall systems around the West End of Bloomsburg. According to the study, these flood risk mitigation systems along the West End of Bloomsburg would result in around two feet of induced flooding along Fishing Creek.

In 2025, Verdantas (formerly known as Borton-Lawson) completed 2-Dimensional Hydraulic Modeling Analysis of Fishing Creek to reduce/eliminate the induced flooding within Fishing Creek and Hemlock Township once the levee/floodwalls are constructed. This information can be found in the Columbia County West End Flood Mitigation Study Addendum No. 1 and Columbia County West End Flood Mitigation Study Addendum No. 2, included as Attachment B and C.

### **COLUMBIA COUNTY WEST END FLOOD MITIGATION PROJECTS' DESCRIPTIONS:**

The Columbia County West End Flood Mitigation Projects encompass a series of coordinated efforts intended to eliminate potential induced flooding, reduce flood risk, and improve long-term resilience within the western portion of Bloomsburg. Together, these initiatives represent a comprehensive strategy to address chronic flooding concerns affecting transportation infrastructure, community facilities, and natural waterways.

The proposed mitigation projects include:

1. **US Route 11 Profile Adjustment**  
Lowering of U.S. State Route 11 by approximately 1.4 feet for approximately 1,200 feet from Washington Street, traveling westward past Bridge Street, before returning to the existing grade. Immediately west of the project site, the Town of Bloomsburg also intends to reconfigure Fort McClure Boulevard, specifically at its intersection with US Route 11 and in the vicinity of the entrance to the Bloomsburg Fairgrounds. Coordination with the Town on its separate traffic project will be imperative. It is acknowledged that PennDOT plans a US Route 11 resurfacing project from Valley Road in the west to SR 487 along US Route 11 in 2034, which may have an impact on permitting, design, and/or construction of said project.
2. **Bloomsburg Fairgrounds Swale Construction**  
Construction of a variable depth swale through the Bloomsburg Fairgrounds parking lots, which eventually empties into Fishing Creek approximately 4,000 feet downstream. The swale will accommodate the out of bank flows from Fishing Creek that cross the lowered stretch of US Route 11. A berm may also be constructed at the Barn at Boone's Dam.
3. **Fishing Creek Channel Modifications**  
Reconfiguration of Fishing Creek, removal of islands, and creation of a benched floodplain along a segment of the creek in Hemlock Township. The benched floodplain is to be four feet deep and approximately 45 feet wide to increase conveyance capacity from the Railroad Street bridge for a distance of 3,300 feet downstream where two islands exist in the stream. The removal of the existing islands and the addition of an attached gravel bar on the right bank of Fishing Creek will eliminate flow obstructions and maintain velocities and sediment bearing capacity through the reach.

These mitigation projects will reduce the 2.1 feet of induced flooding predicted in the original West End Flood Mitigation Study to a zero increase for the base flood conditions. In the event that the Flood Risk Management System projects are not completed, said mitigation projects are expected to provide flooding relief to the West End of Bloomsburg and the village of Fernville in 10-year storm events.

Reconfigurations of any of these three projects may have an impact on the design of the proposed levee/floodwall systems, which shall be recognized by the retained engineer. Flood mitigation construction must be completed for all three projects prior to the construction of any levee/floodwalls.

### **COLUMBIA COUNTY WEST END FLOOD RISK MANAGEMENT SYSTEMS' DESCRIPTIONS:**

The Columbia County West End Flood Risk Management Systems encompass two levee/floodwall construction projects in the Town of Bloomsburg, at a combined length of 6,200 lineal feet:

#### **1. Fishing Creek Alignment**

Consists of constructing an earthen levee system beginning at Railroad Street on the left bank of Fishing Creek, before transitioning to an MSE levee and H-Pile wall. This system involves a shortened alignment intended to remove a portion of the floodway in Bloomsburg while providing meaningful reduction of overbank flows along Fishing Creek. This alignment terminates near Barton Street. Because this system does not tie into the pre-existing floodwall, this alignment does not protect the West End against flooding from the Susquehanna River. This alignment does mitigate flood risk from Fishing Creek and brings many residential properties out of the regulatory floodway.

#### **2. Bloomsburg Fairgrounds System Interconnection**

Consists of constructing an H-Pile wall beginning at Barton Street, at the termination of the Fishing Creek alignment, paralleling Fishing Creek. Said wall transitions to an earthen levee with a closure structure at US Route 11 approximately 350 feet east of Washington Street. The levee then intersects Pine Avenue with another closure structure. The alignment then parallels existing fencing of the Bloomsburg Fairground, including at Gates 3, 4, and 5 of the Bloomsburg Fairgrounds with closure structures at each gate, and then makes a 90-degree bend at West 6th Street where it ties into the existing flood wall constructed around the Autoneum manufacturing facility. An MSE wall is anticipated to be utilized around the perimeter of the Bloomsburg Fairgrounds. Six total closure structures are proposed along with a stormwater pump station at West 6th Street. This alignment protects the West End against flooding from the Susquehanna River.

If possible, Columbia County intends to construct both projects concurrently. The Bloomsburg Fairgrounds System Interconnection may be delayed if necessary and possible due to funding constraints. Columbia County fully intends to undertake both projects.

## CURRENT FUNDING PACKAGE

Columbia County holds a nearly \$7 million funding portfolio to finance the following efforts:

- Federal Emergency Management Agency (FEMA) Legislative Pre-Disaster Mitigation (PDM) Grant Funds:
  - o \$1,725,000 for all engineering efforts necessary for the three mitigation projects, as well as a portion of preliminary engineering for the two levee/floodwall projects.
- Pennsylvania Department of Community and Economic Development (DCED) Economic Development and Community Development Initiatives (EDCDI) grant funds:
  - o \$4,300,000 for engineering match for all efforts financed with the FEMA grant funds, as well as real estate professional services and acquisition costs, inspection costs, and construction costs for the US Route 11 and Bloomsburg Fairgrounds swale projects.
- Luzerne County Flood Protection Authority Wyoming Valley Funds:
  - o \$584,136.78 for utility relocation costs associated with the construction of the US Route 11 and Bloomsburg Fairgrounds swale projects.
- Columbia County Funds
  - o \$75,000 for engineering match for all efforts financed with the FEMA grant funds.

At this time, the County has secured sufficient funding only for the soft costs and construction costs associated with the US Route 11 Profile Adjustment and Bloomsburg Fairgrounds Swale Construction projects. The County desires to have both projects issuing a Notice to Proceed for construction by September 2027.

The County remains fully committed to identifying, pursuing, and securing the financial resources necessary to implement the Fishing Creek Channel Modifications project. This funding deficit is anticipated to be in the amount of \$2-3 million. Construction will be subject to receipt of adequate funds necessary to finance said efforts, which may or may not align with the identified September 2027 construction Notice to Proceed date issued above for the other two mitigation projects.

As noted above, Columbia County does have funding in hand to finance at least a significant preliminary engineering effort for the Columbia County West End Flood Risk Management Systems. It is anticipated that \$35 million will need to be secured to finance all remaining projects' soft costs and construction costs.

The County remains fully committed to identifying, pursuing, and securing the financial resources necessary to move these elements forward as opportunities arise. Should additional funding become available in the future, the County will initiate negotiations for supplemental engineering service contracts at that time, ensuring that the selected consultant's expertise and qualifications align with the scope of the expanded work.

### WEST END FLOOD MITIGATION PROJECTS' ENGINEERING SCOPE OF WORK:

1. **US Route 11 Profile Adjustment**
2. **Bloomsburg Fairgrounds Swale Construction**
3. **Fishing Creek Channel Modifications**

## **Preliminary Engineering**

The Engineer shall gather and evaluate all pre-existing studies, data, mapping, information, and plans pertinent to the development of the Columbia County West End Flood Mitigation Projects. Project design schedules must be included as part of this proposal, indicating key milestones and dates of completion. The Engineer shall be responsible for all preliminary design activities. All flood risk mitigation efforts shall be consistent with the Columbia County Hazard Mitigation Plan.

Existing stormwater infrastructure is understood to be maintained by the Town of Bloomsburg. The Engineer shall coordinate with the Town's engineer concerning impacted infrastructure and as necessary, be responsible for design of new stormwater drainage infrastructure including flap gates, conveyance line reconstruction, and/or relocations, remediation of ponding areas, and other necessary infrastructure, which conform with all local, state, and federal requirements. It is understood that the flood mitigation systems may require integration into said existing infrastructure.

Existing public water infrastructure is understood to be maintained by Veolia Water, Pennsylvania. The Engineer shall coordinate with the utility's engineer concerning impacted infrastructure and as necessary, be responsible for design of new public water infrastructure including conveyance line reconstruction, and/or relocations, and other necessary infrastructure, which conform with all local, state, and federal requirements.

Existing sanitary sewer infrastructure is understood to be maintained by Municipal Authority of the Town of Bloomsburg. The Engineer shall coordinate with the municipal authority's engineer concerning impacted infrastructure and as necessary, be responsible for design of new public sewer infrastructure including conveyance line reconstruction, and/or relocations, and other necessary infrastructure, which conform with all local, state, and federal requirements.

Existing natural gas infrastructure is understood to be maintained by UGI Utilities, Inc. The Engineer shall coordinate with the utility's engineer concerning impacted infrastructure and as necessary, be responsible for design of conveyance line reconstruction, and/or relocations and other necessary infrastructure, which conform with all local, state, and federal requirements.

Existing electrical infrastructure is understood to be maintained by PPL Electric Utilities. The Engineer shall coordinate with the utility's engineer concerning impacted infrastructure and as necessary, be responsible for design of new or relocated service line construction and other necessary infrastructure, which conform with all local, state, and federal requirements. It is understood that the flood risk management system will require integration into said existing infrastructure.

The Engineer shall be responsible for completion of any necessary Hydrologic and Hydraulic (H&H) evaluation work considering all previous study modeling efforts, coordination with all relevant local, state, and federal agencies, including but not limited to PennDOT, DEP, the Army Corps of Engineers and FEMA/PEMA, as well as completion of a HEC-RAS report.

The Engineer shall coordinate with all relevant local, state, and federal agencies concerning necessary permitting and design standard requirements, including any necessary variances. Completion of all necessary permitting/variance applications including submittals, remediation of any permit/variance deficiencies as identified by all relevant local, state, and federal agencies, including but not limited to PennDOT, DEP, the Army Corps of Engineers, and FEMA/PEMA to obtain approval for all necessary permits/variances. The Engineer shall also be responsible for

facilitation of all land development, floodplain ordinances, stormwater, floodplain, and code compliance requirements in accordance with all relevant local, state, and federal agencies. The Engineer shall provide identification of all utility encumbrances, along with coordination with relevant utility providers and consideration of all relocation needs in the development of the projects' design.

The Engineer shall be familiar with the Federal Emergency Management Agency (FEMA) Guidance for Flood Risk Analysis and Mapping documents:

- Quality Management for Flood Risk Projects-Latest Version
- Levees-Latest Version
- MT-2 Requests-Latest Revision
- Riverine Mapping and Floodplain Boundaries Guidance-Lates Revision
- Floodway Analysis and Mapping- Latest Revision

The Engineer shall be responsible for facilitating all environmental investigation considerations, including but not limited to endangered species, erosion and settlement control, wetland protection, floodplain management, and assistance to Columbia County and its agents with any NEPA Environmental Review considerations, if necessary. Coordination with all relevant local, state, and federal agencies is also required. Archaeological services (if deemed necessary) are not included in this RFP/RFQ.

The Engineer shall be responsible for the completion of any necessary geotechnical analysis reporting, including necessary boring samples, for the proposed projects' improvements. The proposal shall identify an anticipated number of boring samples, along with distribution lengths between boring samples. Said projects' design recommendations shall be based upon data collected from said analysis considering all relevant site conditions, including but not limited to soil classifications, seepage and scour conditions, etc.

The Engineer shall assist in identification of all necessary property acquisition needs, including but not limited to:

- Preparation of all necessary mapping
- Identification of all property owner structural encumbrances
  - o Assistance to Columbia County and its agents, SEDA-COG, and a separately procured property acquisition consultant(s) concerning any accommodations made to property owners concerning removed, replaced, and/or relocated structural encumbrances
- Identification of all utility encumbrance
- Completion of all necessary survey field work required for easements
  - o Development of all necessary survey mapping
  - o Development of all necessary metes and bounds description language

Approximately 22 partial property easements/acquisitions are anticipated in Hemlock Township with roughly 12 partial/full easement acquisitions expected to be necessary in the Town of Bloomsburg. Up to four full property acquisitions may be necessary in the Town of Bloomsburg. Design efforts related to necessary acquisition and demolition of dwelling and auxiliary structures and relocation or replacement of auxiliary structures are included in the Engineer's scope of work.

If necessary, the Engineer shall consider design alternatives caused by property acquisition issues such as pre-existing deed restrictions from FEMA buy-outs.

Upon completion of the preliminary design, the Engineer shall prepare and provide to Columbia County an opinion of probable construction costs, utilizing an itemized bid. The Engineer shall be responsible for assisting Columbia County and its agents in the pursuit of other supporting funding opportunities to finance said projects, and if necessary, identification of design alternatives to lower individual project costs and/or provide additional public benefits.

It is noted that the timeline for completion of this work is seven months from contract execution. Preliminary design efforts for the Columbia County West End Flood Mitigation Projects and the Flood Risk Management Systems are expected to occur concurrently.

### **Final Design and Bidding**

The Engineer shall provide fifty percent (50%), seventy-five percent (75%), ninety percent (90%), and final complete design and construction drawings, specifications and cost estimates. The Engineer shall prepare all construction contract documents including but not limited to bid schedule, bond forms (bid, performance, payment), construction specifications and agreements, compliance forms, etc. The Engineer shall prepare all necessary design plans, drawings and specifications to be used for the construction of the improvements and should therefore be completed in detail and contain all necessary information.

Drawings shall conform with standard professional practice and consist of all architectural and engineering drawings, including profiles and sections, plot and site plans, and all else necessary to illustrate the interest and scope of the work. Working drawings shall be prepared for structural, hydraulic, mechanical, electrical and all other branches of the construction work. The Engineer shall be responsible for the resolution of any outstanding permitting or design compliance obligations from all local, state, or federal agencies. All final plans and specifications must be submitted for approval by Columbia County.

The Engineer shall be responsible for completion of all design work and development of bidding documents necessary for the bidding and construction of the identified induced flooding mitigation projects. Bidding efforts related to necessary demolition of dwelling and auxiliary structures and relocation of replacement of auxiliary structures are included in the Engineer's scope of work. Consideration shall be made to Pennsylvania Title 16 §16117 concerning separate bidding specifications of County bid projects, which require County Commissioners to receive a separate bid for plumbing, HVAC, electrical, and general contracts.

It is the intention of Columbia County to advertise for construction bids on or before the end of September 2027 for the US Route 11 Profile Adjustment Project, and the Bloomsburg Fairgrounds Swale Construction project. The Fishing Creek Channel Modifications may or may not be bid simultaneously as available funding allows. It is understood that changes in the projects' scope or nature may affect this schedule.

The Engineer shall be responsible for coordinating the bidding process, including printing and distributing up to ten (10) sets of bid documents, publishing the required advertisements, fulfilling all requirements outlined in the Engineer's Memo (which will be provided prior to bidding), and management of any required deposits or payments. Costs for this portion of the work shall be borne by the Engineer, except that the actual costs for legal advertisements will be reimbursed by Columbia County. Insofar as state/federal monies are being used in the projects, forms and procedures meeting the requirements of the PA Department of Community and Economic Development and Pennsylvania Emergency Management Agency shall be used in the contracting

documents. SEDA-COG shall facilitate this process by providing model bidding documents for use by the Engineer.

In addition, the Engineer will assist the solicitor throughout the projects including but not limited to the preparation of documents involving engineering matters and preparation of contract documents for the solicitor's opinion, a review of the bid documents, conformity with the specifications, and requirements, as well as a formal recommendation of bid award. The Engineer shall obtain approval from the Columbia County Commissioners to solicit bids for all necessary construction contracts, as well as facilitate the placement of the advertisement for bids in the Press Enterprise. The Engineer shall facilitate an on-site pre-bid meeting(s) with construction contractors for all necessary construction contracts. The Engineer shall facilitate the bid opening(s) at a location designated by Columbia County, for all necessary construction contracts.

The Engineer shall represent Columbia County concerning any necessary negotiations with construction contractors. The Engineer is also responsible for managing the construction contract award process, including issuance of the Notice of Intent to Award, execution of the agreements, Award, Notice of Start of Construction. At this time, the County has secured sufficient funding only for the construction associated with the US Route 11 Profile Adjustment and Bloomsburg Fairgrounds Swale Construction projects. The County desires to have both projects issuing a Notice to Proceed for construction by September 2027. Bidding efforts for the Fishing Creek Channel Modifications project which may or may not align with the other two mitigation projects' schedules.

#### **Construction Administration and Close Out**

The Engineer shall visit the construction site to observe progress and quality of work, to determine if work is proceeding in accordance with contract documents, to keep Columbia County informed of progress, to guard against defects and deficiencies, and to disapprove work not in conformance with contract documents. The Engineer shall serve as Columbia County's representative at the project sites, issuing all instructions to the contractors and preparing any change orders.

The Engineer, in accordance with accepted professional standards and practice, shall review contractors' payment requests and approve, in writing, payment to the contractors in such amounts. The Engineer will check and approve samples, schedules, shop drawings, catalogue data, laboratory, shop and mill tests of materials and equipment, and other data which contractors are required to submit to ensure conformity with projects' design, concept, and requirements. This review will not relieve the contractor from the responsibility of complying with the contract. The Engineer shall represent Columbia County concerning any necessary negotiations with construction contractors.

Comprehensive design, inspection of work, and compliance with specifications is of utmost importance to a successful and timely project completion. Accordingly, the Engineer shall indicate with what frequency field visits will be provided. As a part of this proposal, it is the Engineer's responsibility to estimate the project durations in order to calculate the number of construction supervision site visits. Should the projects take less or more time than anticipated, no adjustment to the costs for project supervision will be considered.

The Engineer is responsible for managing Substantial Completion, Final Inspection, and Completion. The Engineer will conduct, in the company of the owner and the contractor, a final inspection of the projects for conformity with design, concept, and contract documents. When the projects are complete, the Engineer will correct all drawings to show construction and

installation as actually accomplished and will furnish one set of full size "As Built" prints and one electronic copy to Columbia County and the Columbia County Water Mitigation Authority.

All engineering services must be closed out by June of 2028, subject to funding availability to finance all three construction projects.

#### **WEST END FLOOD RISK MANAGEMENT SYSTEMS' ENGINEERING SCOPE OF WORK:**

- 1. Fishing Creek Alignment**
- 2. Bloomsburg Fairgrounds System Interconnection**

#### **Preliminary Engineering**

The Engineer shall gather and evaluate all pre-existing studies, data, mapping, information, and plans pertinent to the development of the Columbia County West End Flood Risk Management Systems. Project design schedules must be included as part of this proposal, indicating key milestones and dates of completion. The Engineer shall be responsible for all preliminary design activities. All flood risk management system efforts shall be consistent with the Columbia County Hazard Mitigation Plan.

The Engineer shall be responsible for the design of all flood risk mitigation infrastructure considering earthen levees, MSE walls, floodwalls, control structures and access ramps which conform with all local, state, and federal requirements. Said infrastructure shall meet the FEMA flood risk mitigation criterion of the 100-year flood elevation plus 3-feet of freeboard. A non-comprehensive list of infrastructure development challenges includes:

- The proximity of Fishing Creek to the proposed projects' improvements. In some locations, the proposed improvement may be located in the FEMA designated floodway.
- The proximity of adjacent building structures.
- The need to develop closure structures at US Route 11, in coordination with PennDOT.
- Consideration of continued public use of street infrastructure maintained by the Town of Bloomsburg.
- Consideration of continued public use of utilities maintained by various public and business entities.
- The Engineer shall consider utility encumbrances and relocation needs in the development of the projects' design, including at identified floodwall/levee crossings.
- The proximity of the Bloomsburg Fairground facilities and parking areas.

Existing stormwater infrastructure is understood to be maintained by the Town of Bloomsburg. The Engineer shall coordinate with the Town's engineer concerning impacted infrastructure and as necessary, be responsible for design of new stormwater drainage infrastructure including flap gates, conveyance line reconstruction, and/or relocations, remediation of ponding areas, and other necessary infrastructure, which conform with all local, state, and federal requirements. It is understood that the flood risk management system will require integration into said existing infrastructure.

Existing public water infrastructure is understood to be maintained by Veolia Water, Pennsylvania. The Engineer shall coordinate with the utility's engineer concerning impacted infrastructure and as necessary, be responsible for design of new public water infrastructure

including conveyance line reconstruction, and/or relocations, and other necessary infrastructure, which conform with all local, state, and federal requirements.

Existing sanitary sewer infrastructure is understood to be maintained by Municipal Authority of the Town of Bloomsburg. The Engineer shall coordinate with the municipal authority's engineer concerning impacted infrastructure and as necessary, be responsible for design of new public sewer infrastructure including conveyance line reconstruction, and/or relocations, and other necessary infrastructure, which conform with all local, state, and federal requirements.

Existing natural gas infrastructure is understood to be maintained by UGI Utilities, Inc. The Engineer shall coordinate with the utility's engineer concerning impacted infrastructure and as necessary, be responsible for design of conveyance line reconstruction, and/or relocations and other necessary infrastructure, which conform with all local, state, and federal requirements.

Existing electrical infrastructure is understood to be maintained by PPL Electric Utilities. The Engineer shall coordinate with the utility's engineer concerning impacted infrastructure and as necessary, be responsible for design of new or relocated service line construction and other necessary infrastructure, which conform with all local, state, and federal requirements. It is understood that the flood risk management system will require integration into said existing infrastructure.

The Engineer shall be responsible for facilitation of all land development, floodplain ordinances, and code compliance requirements in accordance with all relevant local, state, and federal agencies. A non-comprehensive list of permit approvals includes:

- Town of Bloomsburg Zoning and Land Development Approval
- Town of Bloomsburg Building Permit
- Columbia County Conservation District Approval

The Engineer shall be responsible for coordination with all relevant local, state, and federal agencies concerning necessary permitting and design standard requirements, including any necessary variances. Completion of all necessary permitting/variance applications including submittals will be the responsibility of the Engineer. The Engineer shall be responsible for the remediation of any permits/variance deficiencies as identified by all relevant local, state, and federal agencies, including by not limited to PennDOT, DEP, the Army Corps of Engineers and FEMA/PEMA. The Engineer shall be responsible for obtaining approval for all necessary permits/variances from all relevant local, state, and federal agencies. It is acknowledged that PennDOT plans a US Route 11 resurfacing project from Valley Road in the west to SR 487 along US Route 11, which may have significant impact on permitting, design, and/or construction of said projects.

A non-comprehensive list of permit approvals includes:

- USACE/DEP Section 404 Joint Permit
- DEP Air Pollution Permit for diesel generator and/or pump stations
- DEP Chapter 105 and 106 Permits
- DEP NPDES Permit for Erosion and Sediment Control and Post Construction Stormwater Management
- DEP Act 537 Sewage Facilities Planning-Component 3M
- DEP Water Quality Management Permit

Permit submission fees payable to review agencies shall be borne by Columbia County.

The Engineer shall be responsible for facilitating all environmental investigation considerations, including but not limited to endangered species, erosion and settlement control, wetland protection, floodplain management, and assistance to Columbia County and its agents with any NEPA Environmental Review considerations, if necessary. Coordination with all relevant local, state, and federal agencies is also required. Archaeological services (if deemed necessary) are not included in this RFP/RFQ.

The Engineer shall be responsible for completion of all geotechnical analysis reporting, including boring samples, for the proposed improvements. The proposal shall identify an anticipated number of boring samples, along with distribution lengths between boring samples. Said projects design recommendations shall be based upon data collected from said analysis considering all relevant site conditions including but not limited to soil classifications, seepage and scour conditions.

The Engineer shall be responsible for complying with the revision of flood insurance rate (FIRM) maps 44 CFR 65.12(a) by completing the following:

- Submission and approval of a Conditional Letter of Map Revision, ensuring a reduction in flood risk to structures within the mitigation system from at least the 1% annual chance flooding.
- Provide an analysis of alternatives which would not result in a base flood elevation increase
- Document legal notices to all impacted property owners explaining the impact to their property
- Obtain concurrence from the chief executive of Hemlock Township and the Town of Bloomsburg
- Certify that no structures are located in areas impacted by increased base flood elevations
- Request a revision of base flood elevations
- Request a floodway revision

The Engineer shall assist in identification of all necessary property acquisition needs, including but not limited to:

- Preparation of all necessary mapping
- Identification of all property owner structural encumbrances
  - o Assistance to Columbia County and its agents, SEDA-COG, and a separately procured property acquisition consultant(s) concerning any accommodations made to property owners concerning removed, replaced, and/or relocated structural encumbrances
- Identification of all utility encumbrance
- Completion of all necessary survey field work required for easements
  - o Development of all necessary survey mapping
  - o Development of all necessary metes and bounds description language

Approximately 26 partial property easements/acquisitions are anticipated in the Town of Bloomsburg. Roughly three full property acquisitions may also be necessary in the Town of Bloomsburg. Design efforts related to necessary acquisition and demolition of dwelling and

auxiliary structures and relocation or replacement of auxiliary structures are included in the Engineer's scope of work.

If necessary, the Engineer shall consider design alternatives caused by property acquisition issues such as pre-existing deed restrictions from FEMA buy-outs.

Upon completion of the preliminary design, the Engineer shall prepare and provide to Columbia County with an opinion of probable construction costs, utilizing an itemized bid. The Engineer shall be responsible to assist Columbia County and its agents in the pursuit of other supporting funding opportunities to finance said projects, and if necessary, identification of design alternatives to lower individual project costs and/or provide additional public benefits. The Engineer shall be responsible for facilitation of FEMA approval of a benefit cost ratio greater than 1.0 so that the projects may be eligible for FEMA financing.

The Engineer shall obtain preliminary approval from the Columbia County Commissioners for the proposed flood risk mitigation system in the West End of the Town of Bloomsburg. Columbia County acknowledges that a significant delay in obtaining the additional funding necessary to finance the implementation of final design/bidding, construction administration, and close out of the projects may result in site changes, permitting expirations, and/or local, state, and/or federal compliance changes, which may necessitate future design changes to said projects.

In the event that delays in securing future funding or changes in regulatory requirements necessitate revisions to previously completed design or permitting work, such revisions shall constitute a change in scope and shall be addressed through a mutually negotiated contract amendment. Such amendments shall apply only to changes arising from circumstances beyond the Engineer's control and shall not include revisions made necessary by errors, omissions, or non-compliance in the Engineer's original work.

It is noted that the timeline for completion of this work is seven months from contract execution. Preliminary design efforts for the Columbia County West End Flood Mitigation Projects and the Flood Risk Management Systems are expected to occur concurrently.

### **Final Design and Bidding**

The Engineer shall provide fifty percent (50%), seventy-five percent (75%), ninety percent (90%), and final complete design and construction drawings, specifications and cost estimates. The Engineer shall prepare all construction contract documents including but not limited to bid schedule, bond forms (bid, performance, payment), construction specifications and agreements, compliance forms, etc. The Engineer shall prepare all necessary design plans, drawings and specifications to be used for the construction of the improvements and should therefore be completed in detail and contain all necessary information.

Drawings shall conform with standard professional practice and consist of all architectural and engineering drawings, including profiles and sections, plot and site plans, and all else necessary to illustrate the interest and scope of the work. Working drawings shall be prepared for structural, hydraulic, mechanical, electrical and all other branches of the construction work. The Engineer shall be responsible for the resolution of any outstanding permitting or design compliance obligations from all local, state, or federal agencies. All final plans and specifications must be submitted for approval by Columbia County.

The Engineer shall be responsible for completion of all design work and development of bidding documents necessary for bidding and construction. Bidding efforts related to necessary demolition of dwelling and auxiliary structures and relocation of replacement of auxiliary structures are included in the Engineer's scope of work. Consideration shall be made to Pennsylvania Title 16 §16117 concerning separate bidding specifications of County bid projects, which require County Commissioners to receive a separate bid for plumbing, HVAC, electrical, and general contracts.

Receipt of a future funding package will determine when the Fishing Creek Alignment and the Bloomsburg Fairgrounds System Interconnection will be put out for bid. The projects may be bid out separately with award contingent upon budgeted funds, the Fishing Creek Alignment project has the highest priority for completion, and the Bloomsburg Fairgrounds System Interconnection may or may not occur simultaneously.

The Engineer shall be responsible for coordinating the bidding process, including printing and distributing up to ten (10) sets of bid documents, publishing the required advertisements, fulfilling all requirements outlined in the Engineer's Memo (which will be provided prior to bidding), and management of any required deposits or payments. Costs for this portion of the work shall be borne by the Engineer, except that the actual costs for legal advertisements will be reimbursed by Columbia County. Insofar as state/federal monies are being used in the projects, forms and procedures meeting the requirements of the applicable funding agency(ies) shall be used in the contracting documents. SEDA-COG shall facilitate this process by providing model bidding documents for use by the Engineer.

In addition, the Engineer will assist the solicitor throughout the projects including but not limited to the preparation of documents involving engineering matters and preparation of contract documents for the solicitor's opinion, a review of the bid documents, conformity with the specifications, and requirements, as well as a formal recommendation of bid award. The Engineer shall obtain approval from the Columbia County Commissioners to solicit bids for all necessary construction contracts, as well as facilitate the placement of the advertisement for bids in the Press Enterprise. The Engineer shall facilitate an on-site pre-bid meeting with construction contractors for all necessary construction contracts. The Engineer shall facilitate the bid opening at a location designated by Columbia County, for all necessary construction contracts.

The Engineer shall represent Columbia County concerning any necessary negotiations with construction contractors. The Engineer is also responsible for managing the construction contract award process, including issuance of the Notice of Intent to Award, execution of the agreements, Award, Notice of Start of Construction. The timeline for completion of this work is assumed to be six months after completion of preliminary engineering, subject to funding availability and county authorization.

### **Construction Administration**

The Engineer shall visit the construction site to observe progress and quality of work, to determine if work is proceeding in accordance with contract documents, to keep Columbia County informed of progress, to guard against defects and deficiencies, and to disapprove work not in conformance with contract documents. The Engineer shall serve as Columbia County's representative at the project sites, issuing all instructions to the contractors and preparing any change orders.

The Engineer, in accordance with accepted professional standards and practice, shall review contractors' payment requests and approve, in writing, payment to the contractors in such

amounts. The Engineer will check and approve samples, schedules, shop drawings, catalogue data, laboratory, shop and mill tests of materials and equipment, and other data which contractors are required to submit to ensure conformity with projects' design, concept, and requirements. This review will not relieve the contractor from the responsibility of complying with the contract. The Engineer shall represent Columbia County concerning any necessary negotiations with construction contractors.

Comprehensive design, inspection of work, and compliance with specifications is of utmost importance to a successful and timely project completion. Accordingly, the Engineer shall indicate what frequency field visits will be provided. As a part of this proposal, it is the Engineer's responsibility to estimate the project durations in order to calculate the number of construction supervision site visits. Should the projects take less or more time than anticipated, no adjustment to the costs for project supervision will be considered.

The Engineer is responsible for managing Substantial Completion, Final Inspection, and Completion. The Engineer will conduct, in the company of the owner and the contractor, a final inspection of the projects for conformity with design, concept, and contract documents. When the projects are complete, the Engineer will correct all drawings to show construction and installation as actually accomplished and will furnish one set of full size "As Built" prints and one electronic copy to Columbia County and the Columbia County Water Mitigation Authority.

The timeline for completion of said work for each project shall be concurrent with final construction completion and is assumed to be one year from issuance of a Notice of Start of Construction to the construction contractor(s).

### **Close Out**

The Engineer shall be responsible for the facilitation of all necessary closeout documentation from said projects' construction contractors, as well as facilitation of all necessary closeout documentation to any relevant local, state, and federal permitting agencies.

The Engineer shall be responsible for submission of all necessary documentation for FEMA accreditation of said flood risk management system. Submission of all necessary documentation for FEMA approval of a Letter of Map Revision for the projects' improvements, ensuring a reduction in flood risk to structures within the mitigation system from at least the 1% annual chance flooding will be the responsibility of the Engineer.

The Engineer shall develop and submit an Operation and Maintenance procedures manual for the completed construction projects. This effort will be coordinated with the Columbia County's Flood Resiliency Officer to ensure compliance and levee coordination with the completed flood risk management system connecting to the previously completed flood risk management system at the Autoneum property.

The timeline for completion of this work is assumed to be one year from issuance of a Final Completion notice to the construction contractor(s).

### **RESIDENT INSPECTION SERVICES**

The services to be provided by the selected Engineering firm do not infer resident inspection services. At this time, while resident inspection services will be required, Columbia County reserve the right to negotiate resident inspection services with the retained Engineer as an amendment

to the Professional and Administrative Services Agreement for Engineering Services, or to solicit competitive proposals for resident inspection services at the time of bidding for construction in compliance with the federal, state, local, and grantor agencies requirements.

#### **PRELIMINARY AND FINAL DESIGN PHASE MEETINGS**

The Engineer shall participate in biweekly virtual development meetings with participants including but not limited to Columbia County, the Columbia County Flood Mitigation Authority, SEDA-COG, a separately procured property acquisition consultant, local municipalities, utilities' representatives, etc. The Engineer shall prepare minutes for portions of the agenda for which the Engineer is designated as lead entity. Assistance from the Engineer is necessary for SEDA-COG and Columbia County to fully understand the projects, and therefore, meeting attendance is of high importance. In person meetings may periodically be called by the Columbia County Commissioners, if necessary.

#### **CONSTRUCTION ADMINISTRATION PHASE MEETINGS**

The Engineer shall facilitate biweekly virtual and on-site job conferences with all necessary construction contractors, Columbia County, the Columbia County Flood Mitigation Authority, SEDA-COG, local municipal and utility(ies) representatives, and a separately procured full-time resident project representative. Additional job conference meetings during critical phases of construction may be necessary. The Engineer shall have regular active coordination with full-time resident project representatives. The Engineer shall prepare all meeting minutes.

#### **MEETING PRICING**

For pricing purposes, proposers should anticipate participation in approximately sixty-five (65) biweekly design-phase and job-conference meetings over an estimated two-and-a-half-year duration. All costs associated with meeting preparation, attendance (virtual or in-person), travel, and follow-up documentation shall be included in the proposer's lump-sum fee. The Engineer shall also be available to attend up to ten (10) public information and public official meetings at the request of the Columbia County Commissioners.

#### **TERMS OF PAYMENT**

The Engineer will be required to enter into a written Professional Services Agreement with Columbia County, which will incorporate the information contained in this Request for Proposals. The Engineer will agree to a lump sum fee, which shall include all costs associated with the services outlined herein. Costs, sometimes separately billed as reimbursable costs, shall be declared and included in the lump sum amount of this proposal. Payment shall be made to the Engineer on a monthly basis.

Invoices shall be delineated as provided in the Standard Engineering Estimate, setting forth the percentage of work completed to date, establishing the amount due based on the percentage completed, less any previous amounts, for each project. For efforts which benefit more than one project (meeting participation, permit and agency submissions etc.), invoiced efforts shall be distributed proportionally among the benefiting projects using a consistent and reasonable method.

Payment shall be expressly contingent upon receipt of funds from DCED, PEMA, and any other relevant state or federal funding agencies.

Columbia County may request, and the Engineer may suggest additional meetings. Accordingly, proposers should indicate their intention to do so in the narrative of their proposal. Any cost associated with additional meetings shall be included on the standard Engineers Estimate Form.

### **REQUIRED INFORMATION**

Each proposer shall provide all information herein requested. Further, no proposal will be considered, unless the documentation required below is included with the proposal submittal. In addition, the Standard Engineering Estimate form must be completed in its entirety.

Each proposer shall provide a minimum of five (5) references (example projects) where flood risk management engineering services have been performed during the past fifteen (15) years.

Example projects should be similar in design, scope, and magnitude. Proposers shall also list any flood risk management projects currently underway or completed, within the Commonwealth of Pennsylvania, within the past fifteen (15) years.

Each proposer shall provide a brief history of the firm including staff experiences and resumes of key persons and design team, as well as accomplishments that are relevant to the scope of work stated in this Request for Proposals/Qualifications. **It is imperative that the proposer demonstrate the firm's capacity and ability to undertake projects of this magnitude within the timeline specified in the federal and state contracts. Current workload of proposers will also be taken into consideration. All Proposals/Qualifications sent must be no more than 40 pages long including cover page, resumes, project experience, etc.**

If any part of the professional engineering services will be subcontracted, a list identifying the firms and nature of the services to be provided, must be included with the proposal.

Professional Liability Insurance is required for this contract with a necessary minimum coverage of \$5 Million to be provided, with Columbia County listed as an additional insured.

Firms may be requested to sit for interviews and/or negotiation of contract terms and fees prior to contract award.

### **SITE VISIT**

A non-mandatory pre-submission site visit will be held on April 13, 2026, at 2pm at the Bloomsburg Fairgrounds Bloomsburg Fairgrounds, 2<sup>nd</sup> Floor of the Administration Building, 620 West Third Street Bloomsburg, PA 17815.

### **SUBCONTRACTORS**

The Engineer must provide a list of subconsultants in its proposal/qualifications.

### **CONTRACTING WITH SMALL BUSINESSES, MINORITY BUSINESSES, WOMEN'S BUSINESS ENTERPRISES, VETERAN-OWNED BUSINESSES, AND LABOR SURPLUS AREA FIRMS**

When possible, the Engineer should ensure that small businesses, minority businesses, women's business enterprises, veteran-owned businesses, and labor surplus area firms (See U.S. Department of Labor's list) are considered as set forth below.

Such consideration means:

1. These business types are included on solicitation lists;
2. These business types are solicited whenever they are deemed eligible as potential sources;
3. Dividing procurement transactions into separate procurements to permit maximum participation by these business types;
4. Establishing delivery schedules (for example, the percentage of an order to be delivered by a given date of each month) that encourage participation by these business types;
5. Utilizing organizations such as the Small Business Administration and the Minority Business Development Agency of the Department of Commerce; and
6. Applying this section to subcontracts.

#### **NONDISCRIMINATION/SEXUAL HARASSMENT CLAUSE**

1. In the hiring of any employee(s) for the manufacture of supplies, performance of work, or any other activity required under the contract or subcontract, the contractor, subcontractor, or any person on their behalf shall not, by reason of gender, race, creed, or color, discriminate against any citizen who is qualified and available to perform the work to which the employment relates.
2. The contractor, or any subcontractor, or any person, on their behalf shall not, in any manner, discriminate against or intimidate any of its employees on account of gender, race, creed, or color.
3. The contractor or any subcontractor shall establish and maintain a written sexual harassment policy, and shall inform their employees of the policy. The policy must contain a notice that sexual harassment will not be tolerated, and employees who practice it will be disciplined.
4. The contractor or any subcontractor shall not discriminate by reason of gender, race, creed, or color, against any contractor, subcontractor or supplier who is qualified to perform the work to which the contracts relates.
5. The contractor or any subcontractor shall, within the time periods requested, furnish all necessary employment documents and records and permit access to their books, records, and accounts by the granting agency and the Bureau of Minority and Women Business Opportunities (BMWBO), for purpose of ascertaining compliance with provisions of this Non-discrimination/Sexual Harassment Clause.
6. The contractor or any subcontractor shall include the provisions of this Non-discrimination/Sexual Harassment Clause in every contract or subcontract so that those provisions will be binding upon each contractor or subcontractor.
7. Violation of the terms and conditions of this Non-discrimination/Sexual Harassment Clause may result in debarment or suspension of the contractor or subcontractor.

#### **REQUIRED USE OF AMERICAN IRON, STEEL, MANUFACTURED PRODUCTS, AND CONSTRUCTION MATERIALS**

The Engineer's construction specification and all related work shall comply with the "Build America, Buy America" provisions of the Infrastructure Investment and Jobs Act and E.O. 14005. None of the federal funds provided may be used for a project for infrastructure unless:

1. All iron and steel used in the project are produced in the United States—this means all manufacturing processes, from the initial melting state through the application of coatings occurred in the United States.

2. All manufactured products used in the project are produced in the United States—this means the manufactured product was manufactured in the United States; and the cost of the components of the manufactured product that are mined, produced, or manufactured in the United States is greater than 55 percent of the total cost of all components of the manufactured product, unless another standard for determining the minimum amount of domestic content of the manufactured product has been established under applicable law or regulation; and

3. All construction materials are manufactured in the United States—this means that all manufacturing processes for the construction material occurred in the United States.

The Buy America preference only applies to articles, materials, and supplies that are consumed in, incorporated into, affixed to an infrastructure project. As such, it does not apply to tools, equipment and supplies, such as temporary scaffolding, brought to the construction site and removed at or before the completion of the infrastructure project nor does a Buy America preference apply to equipment, that is used at or within the finished infrastructure project but are not an integral part of the structure or permanently affixed to the infrastructure project.

### **PROPOSAL SUBMISSION AND EVALUATION**

Seven (7) copies of the proposal must be submitted to:

Dave Witchey  
Chief Clerk  
11 West Main Street  
Bloomsburg, Pennsylvania 17815

Proposals/Qualifications must be received no later than 10:00 a.m., prevailing time, 30<sup>th</sup> day of April, 2026. **Proposals/Qualifications that are faxed or e-mailed to Columbia County cannot be accepted.**

Proposals/Qualifications will be reviewed and evaluated by Columbia County, SEDA-COG, and other stakeholders. The evaluation will include the following areas in order of relative importance:

- Adequacy of proposal in the terms of addressing the needs that are set forth in the Request for Proposals/Qualifications. (Six points)
- Relevant experience. (Six points)
  - Design Team and Resumes
  - Flood Protection Project Experience
- Engineer shall demonstrate capability of 2-dimensional modeling and analysis to develop submission to FEMA for CLOMR during preliminary design phase. (Six points)
- Scope of Work understanding. (Six points)
- Quality of previous work. (Five points)

- Adequacy of resources/record of completing projects on time. (Five points)
- Current workload and demonstrated ability to meet the aggressive schedules or deadlines detailed in this RFP/RFQ. (Five points)
- Schedule for completion. (Two points)
- Cost (Columbia County West End Flood Mitigation Projects and preliminary engineering for the Columbia County West End Flood Risk Management Systems only). (Two points)
- Equal Employment Opportunity. (Two points)
- Proposal Page Count. (Two points)

**Note:** Cost is only one of several criteria to be considered in evaluating Proposals/Qualifications for the award of Columbia County West End Flood Mitigation Projects and Columbia County West End Flood Risk Management Systems.

Cost shall not be a criterion to be considered in evaluating Proposals/Qualifications for the award of Columbia County West End Flood Risk Management Systems. The award of a contract for Columbia County West End Flood Risk Management Systems shall be made to the most qualified offeror, subject to negotiation of fair and reasonable compensation upon award of future funding packages.

Columbia County will not publish proposal cost and/or evaluation summaries. Proposers are, however, invited to attend the opening.

**STANDARD ENGINEERING ESTIMATE**

FIRM NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

TELEPHONE: \_\_\_\_\_

REPRESENTATIVE: \_\_\_\_\_

| <b>COLUMBIA COUNTY WEST END FLOOD MITIGATION PROJECTS</b> |   |  |  |              |
|---|---|--|--|--------------|
| <b>TASK/PROJECT</b>                                       | <b>US ROUTE 11<br/>PROFILE<br/>ADJUSTMENT</b> | <b>BLOOMSBURG<br/>FAIRGROUNDS<br/>SWALE<br/>CONSTRUCTION</b> | <b>FISHING CREEK<br/>CHANNEL<br/>MODIFICATIONS</b> | <b>TOTAL</b> |
| <b>PRELIMINARY<br/>ENGINEERING</b>                        | \$  | \$   | \$   | \$           |
| <b>FINAL DESIGN/<br/>BIDDING</b>                          | \$  | \$   | \$   | \$           |
| <b>CONSTRUCTION<br/>ADMINISTRATION/<br/>CLOSE OUT</b>     | \$  | \$   | \$   | \$           |
| <b>TOTAL</b>  | \$  | \$   | \$   | \$           |

| <b>COLUMBIA COUNTY WEST END FLOOD RISK MANAGEMENT SYSTEMS</b> |                                    |  |                                   |
|---|------------------------------------|--|-----------------------------------|
| <b>TASK/PROJECT</b>   | <b>FISHING CREEK<br/>ALIGNMENT</b> | <b>BLOOMSBURG<br/>FAIRGROUNDS SYSTEM<br/>INTERCONNECTION</b> | <b>TOTAL</b>                      |
| <b>PRELIMINARY<br/>ENGINEERING</b>                            | \$                                 | \$   | \$                                |
| <b>FINAL DESIGN/<br/>BIDDING</b>                              | To be negotiated at a later date.  | To be negotiated at a later date.                            | To be negotiated at a later date. |
| <b>CONSTRUCTION<br/>ADMINISTRATION</b>                        | To be negotiated at a later date.  | To be negotiated at a later date.                            | To be negotiated at a later date. |
| <b>CLOSE OUT</b>  | To be negotiated at a later date.  | To be negotiated at a later date.                            | To be negotiated at a later date. |
| <b>TOTAL</b>  | To be negotiated at a later date.  | To be negotiated at a later date.                            | To be negotiated at a later date. |

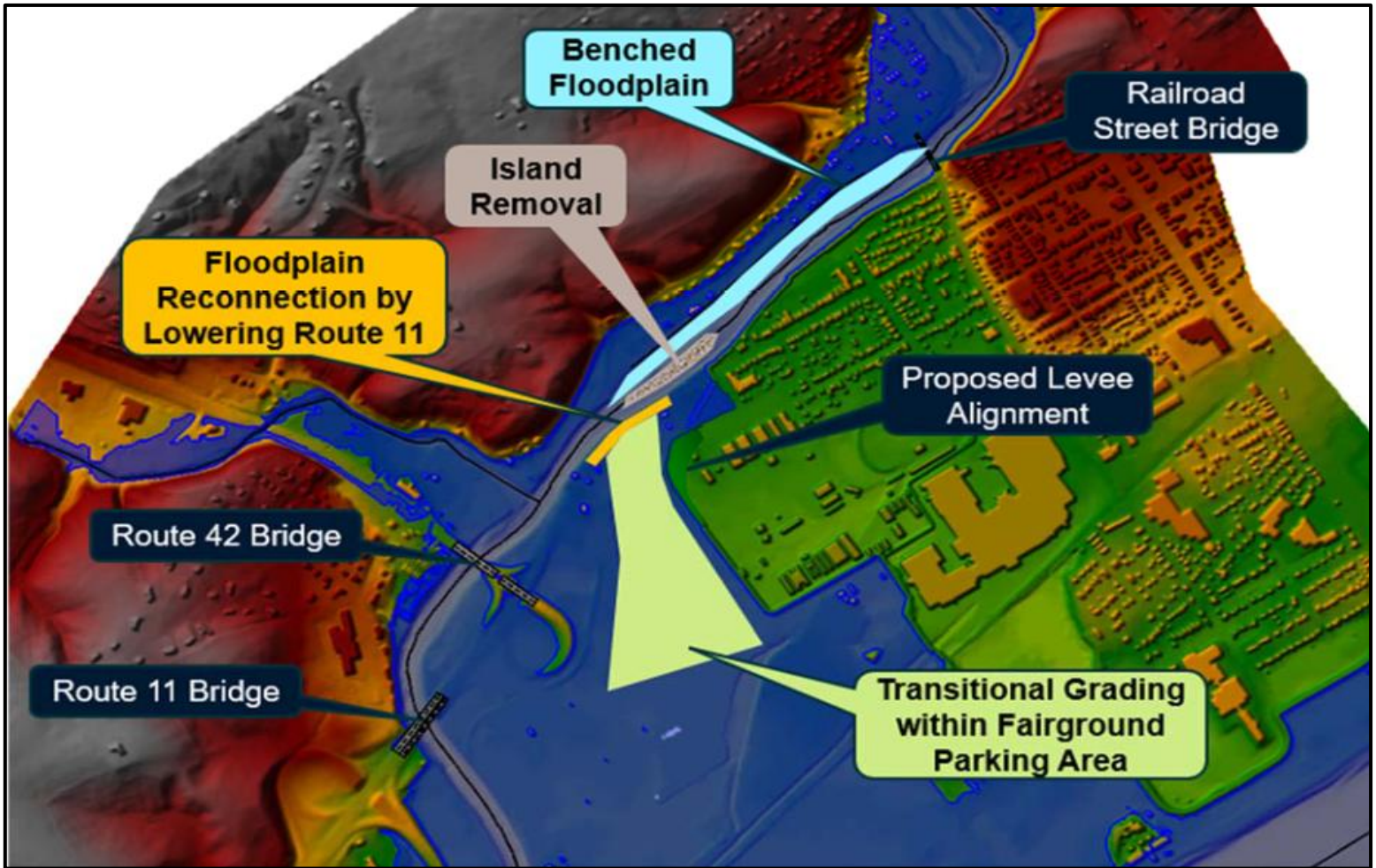
I, \_\_\_\_\_, a licensed professional Engineer in the Commonwealth of Pennsylvania and an authorized representative of the above-indicated firm, have reviewed and understand the \_\_\_\_\_ Request for Proposals/Qualifications, and I/we am/are prepared to provide the required services for the above costs.

(SEAL)

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PROJECT MAPS

CONCEPT DESIGN PLAN - COLUMBIA COUNTY WEST END FLOOD MITIGATION PROJECTS AND RISK MANAGEMENT SYSTEMS



**CONCEPT DESIGN PLAN - COLUMBIA COUNTY WEST END FLOOD RISK MANAGEMENT SYSTEMS**

