South Carolina Office of Resilience Request for Qualifications for City and County of Orangeburg-

Orangeburg Stormwater Improvements

(State Project # D30-N055-PG)

SECTION 1: GENERAL SCOPE

Overview:

The South Carolina Office of Resilience (SCOR) seeks a qualified, licensed firm to provide engineering and design services for drainage improvements in Orangeburg County (County) and the City of Orangeburg (City), South Carolina. The State intends to use a U.S. Housing and Urban Development (HUD) Community Development Block Grant-Mitigation (CDBG-MIT) grant to fund three (3) stormwater projects in the City and County. CDBG-MIT funding is limited and those competing for this project must have a thorough and demonstrated understanding of the constraints and limitations associated with CDBG-MIT funding.

The proposed stormwater infrastructure improvements for all three projects at a minimum, should include:

1. Design stormwater system to provide capacity for flood events through the 25-year design
2. Benefit Cost Analysis (BCA) – revised to reflect final project scope
3. Analysis of downstream impacts of the final design must be evaluated and well documented in the deliverables.
4. HUD Environmental Assessment (EA) level environmental review per 24 CFR Part 58
5. Stormwater Pollution Prevention Plan (SWPPP) and all required permits
6. Identify and develop easement exhibits for all required temporary and/or permanent easements
7. Bid Package to include construction document plan set and project manual in accordance with the S.C. Office of State Engineers (OSE) manual requirements.

The final plan deliverable for all three projects must have the highest level of credibility based upon data-driven, expert analysis. Therefore, the State seeks an experienced firm that is familiar with these types of projects and can work within the intent of the program. The selected firm will provide comprehensive data analysis which will stand intense public scrutiny, and the final product must be easily defensible due to its intellectual rigor.

This solicitation is for engineering and design services as described for the following 3 projects:

1. City of Orangeburg - Adden Street Stormwater Improvements Project

SCOR and the City seeks a qualified, licensed firm to provide engineering and design services related to grey infrastructure and nature-based resilient stormwater improvements and best management practices in the City of Orangeburg, South Carolina. SCOR previously awarded the City of Orangeburg a CDBG-MIT Plans & Studies grant to complete a Stormwater Drainage Study. The study identified hydraulic deficiencies and provided recommended solutions to withstand future disasters which included the awarded Adden Street project.

Adden Street is located in the floodplain just one block northwest of Sunnyside Canal. This paved channel conveys runoff for the west side of Orangeburg into the North Edisto River. The existing stormwater system currently becomes surcharged with events greater than 2-to-5 yr storms. During normal and heavy rainfall, Adden Street floods becoming impassable for residents and emergency responders and the residential properties flood. The site's proximity to the floodplain will continue to make it susceptible to flooding during future disasters but upgrades to the drainage system should be designed to accommodate a 25-year storm event, or greater if feasible. A conceptual design for the proposed Adden Street project is included in the City of Orangeburg Stormwater Drainage Study, which is available on the SCOR website at: https://scor.sc.gov/sites/scor/files/Documents/City%20of%20Orangeburg%20-%20Stormwater%20Drainage%20Study%20-%20Final%20Report%20for%20Website.pdf.

2. Orangeburg County - Ellis Avenue-Alternative 1 Stormwater Improvement Project

The South Carolina Office of Resilience (SCOR) and the County seeks a qualified, licensed firm to provide engineering and design services related to grey infrastructure and nature-based resilient stormwater improvements and best management practices in Orangeburg County, South Carolina. SCOR previously awarded Orangeburg County a CDBG-MIT Plans & Studies grant to complete a Stormwater Drainage Study. The study identified hydraulic deficiencies and provided recommended solutions to withstand future disasters which included the awarded Ellis Avenue – Alternative 1 Stormwater Improvement project.

Ellis Avenue is a two-lane, state owned, local street in Orangeburg County. The project area is relatively urban, with homes and municipal buildings within the project area. The existing stormwater infrastructure system cannot accommodate stormwater runoff for 10-year and 25-year storm events, resulting in water ponding on the road and on adjacent properties. Furthermore, the use of the County's maintenance facility, located within the project area, is reduced or restricted during heavy rainfall events due to flooding in the roadways. Therefore, SCOR and the County seek to improve floodwater storage in this area through the implementation of grey- and green- infrastructure improvements that will achieve flood protection from a 25-year, 24-hour storm, or greater if feasible. A conceptual design for the proposed Ellis Street – Alternative 1 project is included in the Orangeburg County Stormwater Drainage Study, which is available on the SCOR website at: https://scor.sc.gov/sites/scor/files/Documents/Orangeburg%20County%20-%20HH%20Study%20-%20Final%20Report%20for%20Website.pdf.

3. Orangeburg County - Warren Street Stormwater Improvement Project

The South Carolina Office of Resilience (SCOR) seeks a qualified, licensed firm to provide engineering and design services related to grey infrastructure and nature-based resilient stormwater improvements and best management practices in the Orangeburg County, South Carolina. SCOR previously awarded Orangeburg County a CDBG-MIT Plans & Studies grant to complete a Stormwater Drainage Study. The study identified hydraulic deficiencies and provided recommended solutions to withstand future disasters which included the awarded Warren Street Stormwater Improvement project.

Warren Street is a two-lane state-owned road located in the western portion of the town of Holly Hill in Orangeburg County, S.C. The existing stormwater system is undersized and cannot accommodate stormwater volumes from a 10-year storm event. As a result, heavy rainfall events can cause flooding on the residential properties along Warren Street that prevents residents from being able to access their properties or leave their homes Therefore, SCOR and the County seeks to improve floodwater storage in this area through the implementation of grey- and green- infrastructure improvements that will achieve flood protection from a 25-year, 24-hour storm, or greater if feasible. A conceptual design for the proposed Warren Street project is included in the Orangeburg County Stormwater Drainage Study, which is available on the SCOR website at: https://scor.sc.gov/sites/scor/files/Documents/Orangeburg%20County%20-%20HH%20Study%20-%20Final%20Report%20for%20Website.pdf.

Background:

Since 2015, South Carolina has been impacted by three presidentially declared disasters: Hurricane Joaquin in 2015, Hurricane Matthew in 2016, and Hurricane Florence in 2018. Each disaster brought another Presidentially Declared Disaster Declaration and additional federal disaster recovery awards. The bulk of the damage from all three of these storms was not the wind and storm surge, but the eventual flooding from the rain falling over the State of South Carolina as well as runoff water from rivers, streams, and tributaries beyond for an extended period.

The storms caused debilitating damage throughout South Carolina. Actions to mitigate future damages need to be made before the next storm strikes. Stability can be given to these people by mitigating future flood damage.

In 2018, HUD notified the State of South Carolina that it would receive an allocation of $157,590,000 in CDBG-MIT funds, for the specific purpose of mitigation activities in the Most Impacted and Distressed (MID) counties from the 2015 Severe Storm disaster and the Most Impacted and Distressed counties from the 2016 Hurricane Matthew disaster.

In January 2020, HUD notified the State of South Carolina that it would receive $4,598,000 in supplemental CDBG-MIT grant funds for the MID counties from 2018's Hurricane Florence. The supplemental allocation brought the total State of South Carolina CDBG-MIT allocation to $162,188,000.

Most Impacted and Distressed (MID) counties include Berkeley, Calhoun, Charleston, Chesterfield, Clarendon, Darlington, Dillon, Dorchester, Florence, Georgetown, Horry, Lee, Marion, Orangeburg, Sumter, and Williamsburg.

SECTION 2: SPECIFICATIONS

Scope of Work and Deliverables:

Within 365 days of contract award, the selected firm will provide the South Carolina Office of Resilience (SCOR) and the City and County of Orangeburg with final deliverables that meet or exceed the specifications outlined for the City of Orangeburg Adden Street Stormwater Improvement Project, the Orangeburg County Ellis Avenue – Alternative 1 Stormwater Improvement Project, and the Orangeburg County Warren Street Stormwater Improvement Project:

1. Conduct Field Survey to include surveying and documentation of size, materials, conditions, and locations of existing drainage systems related to the project area, if any.
2. Utility Coordination
3. Hydraulic Design
4. Preliminary Design Plans and Conceptual Cost Estimate to include:
    a. 30% Conceptual Cost Estimate submitted to SCOR and the City and County for review
    b. 60% Design Plans and updated Cost Estimate submitted to SCOR and the City/County
    c. 90% Design Plans and updated Cost Estimate submitted to SCOR and the City/County
    d. Development of Change Order requests with SCOR and City and County staff, as needed
5. Identify and Develop Easement Exhibits for all temporary and permanent easements required for construction of the final design.
6. Public Involvement to include:
    a. A minimum of two in-person public meetings to allow the City and County of Orangeburg citizens an opportunity to identify areas of concern within the project area and provide public comment on the proposed project activity. SCOR and Orangeburg personnel will attend both public meetings.
    b. Distribution of project information to citizens in/around the project area as needed to keep citizens informed on the project.
7. Conduct a Benefit Cost Analysis (BCA) using the latest FEMA BCA Toolkit on the final project design
    a. Provide BCA calculation dataset to SCOR
8. Environmental Review
    a. Develop an Environmental Assessment, Determinations and Compliance Findings for HUD-Assisted Projects in compliance with 24 CFR Part 58 requirements
    b. Provide a final environmental review report including documentation of agency consultations and public notification processes to SCOR via HUD HEROS portal.

9. Analysis of downstream impacts of the project's final design

    a. A minimum of a 10% downstream analysis of impacts should accompany Final Design Plan as a stormwater requirement

10. Final Design Plans, in accordance with SC Office of State Engineers (OSE) Manual, Chapter 5 requirements (https://procurement.sc.gov/files/ose/Chapter%205%20-%20Design-Construction%20Document%20and%20Construction%20Standards_1.pdf), to include:

    a. Design Drawings, to be approved by SCOR and the City and County prior to submittal to OSE
    b. Project Manual
    c. Final Construction Cost Estimate
    d. Stormwater Pollution Prevention Plan (SWPPP)
    e. Required Federal/State/Local/Utility permits

11. Assist SCOR during the bid process

    a. Respond to questions from bidders
    b. Attend a Pre-Bid conference
    c. Attend the Bid Opening
    d. Assist with bid review

12. Construction Administration

    a. Attend a Pre-Construction conference
    b. Attend weekly construction coordination calls
    c. Grant Compliance - Davis Bacon and Section 3 Reporting
    d. Review Pay Applications
    e. Compile and Review change order requests using SE-380 forms
    f. Construction Engineering Inspection
    g. Final as-built plans provided to SCOR and the City/County following completion of construction
    h. Operation and Maintenance Plan provided to SCOR and the City and County
    i. Attend Substantial Completion, Final Completion, and 10-month Warranty inspections

13. Coordination with the South Carolina Office of Resilience's Mitigation Department for the duration of the contract to include:

    a. Monthly coordination calls (virtual) where the firm will present a progress report to SCOR
    b. Site visits with SCOR and the City and County's staff as needed

NOTE: These projects will be bid in accordance with the Office of State Engineer's Manual and Forms. These can be accessed at https://procurement.sc.gov/manual#ditem-11624

SECTION 3: SUBMITTAL INFORMATION

Submittal shall include, at a minimum, information required in the solicitation, responses to all selection criteria required by the SC Consolidated Procurement Code (found in Chapter 4 of the OSE Manual), and the following:

1. Firm's Unique Entity Identifier (UEI) generated by SAM.gov
2. Firm's staffing proposal for this project to include:
    a. Staffing diagram; and
    b. Names and resumes of staff working on the project
    c. Current workload capacity of each staff member working on the project
3. All subcontractor staffing proposal for this project
    a. Subcontractor's UEI
    b. Staff name(s) and resume working on the project
    c. Current workload capacity of each staff member working on this project
4. Firm's listing of completed drainage projects performed within the last 5 years with Executive Summary. Include staff involved in the project.

Submittal Format:

Provide four (4) printed copies and one (1) electronic copy on a USB flash drive to the South Carolina Office of Resilience's Mitigation Department.

Printed submittals must be clearly labeled on the outside of the envelope with the following wording: "D30-N055-PG *Engineering Services Submittal for* SCOR's CBDG-MIT funded *City and County of Orangeburg – Orangeburg Stormwater Improvements Project*". All late submittals will be rejected. The SCOR is not responsible for late submissions caused by delays in mail delivery or a delay in any other method of delivery.

Print size shall be 12 pt. font minimum, on 8½ by 11 inch pages, double-sided and must include all the information required in this RFQ and may include any additional information that the A/E deems pertinent to the understanding and evaluation of its response.

Provide a cover page that includes Company Name, Address, Point of Contact (Email Address and Phone Number); D30-N055-PG Engineering Services for CBDG-MIT funded *City and County of Orangeburg – Orangeburg Stormwater Improvements Project*, UEI, Date of Submission, and include the signed certification below:

I certify that this submittal is made without prior understanding, agreement, or connection with any corporation, firm, or person submitting a response to this RFQ, and is in all respects fair and without collusion or fraud. I agree to abide by all conditions of the RFQ and certify that I am authorized to submit this response.

Authorized Signature (Print)	*Authorized Signature w/ Title*	*E-mail Address*

Electronic submittals must be delivered on a USB flash drive along with the printed copies to South Carolina Office of Resilience, 632 Rosewood Drive, South Carolina 29201, Attention: Mitigation Department.

Submittal Deadline:

Deadline for submission: **Thursday, July 24, 2025, at 4:00 PM** to the South Carolina Office of Resilience Mitigation Department at either of the following:

- 632 Rosewood Drive, Columbia, SC 29201, Attention: Mitigation Department.
- MIT_Infrastructure@scor.sc.gov; and

SECTION 4: PRE-SUBMITTAL CONFERENCE

The State will conduct a virtual Non-Mandatory Pre-Submittal conference via Zoom as part of this process to provide additional project information and expound upon potential questions. This conference will be held on *Monday, July 7, 2025, at 1:00 PM* at https://us02web.zoom.us/j/88907259161?pwd=QDfkqCUqaJ6JFSJcBrOm6SYw7OaFBa.1. Although attendance is not mandatory, all interested firms are strongly encouraged to attend. Any questions regarding this project must be submitted in writing via email no later than 4:00 PM on *Wednesday, July 2, 2025*. Questions should be emailed to MIT_Infrastructure@scor.sc.gov. All submitted questions will be addressed at the pre-submittal conference.