South Carolina Office of Resilience

Request for Qualifications for

Rock Hill Lige Green Street Stormwater Improvement Project – Phase 1 and 2

State Project #: D30-N044-MJ

SECTION 1: GENERAL SCOPE

Overview:

The South Carolina Office of Resilience (SCOR) seeks a qualified, licensed firm to provide surveying, geotechnical, and engineering design services related to stormwater improvements and best management practices in the City of Rock Hill, South Carolina. The City plans to make grey and green stormwater improvements to reduce riverine flooding in the Flint Hill and South Central neighborhoods. The State intends to use the American Rescue Plan Act (ARPA) grant to fund this project through SCOR's ARPA-Funded Stormwater Infrastructure Program (ASIP). ASIP funding is limited and those competing for this project must have a thorough and demonstrated understanding of the constraints and limitations associated with ARPA funding.

The City of Rock Hill is drained by the Catawba River Basin which is the 8th largest drainage basin in South Carolina with approximately 2,300 square miles of drainage area. Within the City, the Flint Hill and South Central neighborhoods are prone to riverine flooding during storm events. The area is exceptionally flat and the existing stormwater system is undersized, causing frequent flooding of roadways, structures, and yards. A section of the creek along Jefferson Street is piped which causes further flooding when the pipe becomes blocked with debris. SCOR and the City seek to reduce flooding and improve water quality in the project area through upsizing the existing culverts and stormwater infrastructure and incorporating nature-based solutions to include installation of wetlands, bioswales, and infiltration trenches. The City has completed a Stormwater Masterplan study which identified the project area, relevant portions of which are included in the RFQ. At a minimum, the stormwater project should include:

1. Design a stormwater system to reduce flooding in/around the project areas including grey improvements to the existing stormwater pipes and structures, and incorporation of nature-based improvements like stream restoration and installation of wetlands, bioswales and infiltration benches. The design should be completed for the entirety of the

project area, and the project bid documents should be developed in such a way that the project can be bid in two phases.

   a. The first phase will focus on the area West of Saluda Street and maximize the scope of construction to fit within the ASIP grant funding amount. Focus should be given to improvements on the six culverts, bridge, stream restoration and wetlands within the project area.
   b. The second phase will include the remaining scope of work not included as part of the Phase 1 bid set.

2. Interactive amenities and education signage of the nature-based stormwater solutions utilized in the final design shall be considered as part of the overall design.
3. Benefit Cost Analysis (BCA) – revised to reflect final project scope for Phase 1 and Phase 2.
4. Analysis of downstream impacts of the final design must be evaluated and well documented in the deliverables for the project as a whole.
5. NEPA level environmental review for the project as a whole.
6. Stormwater Pollution Prevention Plan (SWPPP) and all required permits for both Phase 1 and Phase 2. Phase 2 permits that require identification of the project contractor will not be required.
7. An Operations & Maintenance manual for nature-based stormwater solutions utilized in the final designs.

The final plan deliverable 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.

Background:

In March 2021, as the Coronavirus crisis continued the American Rescue Plan Act of 2021 (ARPA) established the Coronavirus State and Local Fiscal Recovery Funds (SLFRF) to provide state, local and Tribal governments awarding $240 billion and identified specific allocation for the funds. SLFRF funds must be obligated by December 31, 2024, and funds must be expended spent by December 31, 2026. In 2022, the ARPA Office of Resilience Account was established for the purpose of completing stormwater infrastructure projects and acquisitions of property in the floodplain throughout the State to lessen the impacts of future funding.

SECTION 2: SPECIFICATIONS

Scope of Work and Deliverables:

The timelines associated with the funding source necessitate an expedited design schedule that the selected firm must adhere to. Within 300 days of contract award, the selected firm will provide the South Carolina Office of Resilience and the City of Rock Hill with final deliverables for the two identified projects that meets or exceeds the specifications outlined:

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 in accordance with City Guidelines and Specifications

    a. Pre- and Post- Inundation modeling for a 24-hr 2 yr, 10 yr, 25 yr, 50 yr and 100 yr storm events to be completed for the project as a whole, in accordance with SCDOT and City requirements.

4. Preliminary Design Plans and Conceptual Cost Estimate

    a. 30% Conceptual Cost Estimate submitted to SCOR and the City for review

    b. 60% Design Plans and updated Cost Estimate submitted to SCOR and the City

    c. 90% Design Plans and updated Cost Estimated submitted to SCOR and the City

    d. Development of Change Order requests with SCOR and City staff, as needed

5. Public Involvement to include

    a. A minimum of two in-person public meetings to allow the City of Rock Hill's citizens opportunity to identify areas of concern within the project areas and provide public comment on the proposed project activities. Selected firm will be responsible for securing the locations and dates for public meetings. Key project stakeholders including SCOR, the City, and SCDOT at a minimum should be invited to all public meetings.

    b. Distribution of project information to citizens in/around the project area as needed to keep citizens informed on the project.

6. Conduct a Benefit Cost Analysis (BCA) using the latest FEMA BCA Toolkit on the final project design

    a. Provide BCA calculation dataset to SCOR and the City

    b. Final BCA calculations should be completed for the project as a whole, as well as separately for Phase 1 and Phase 2.

7. Environmental Review

    a. Develop an Environmental Review in compliance with NEPA and Section 106 requirements

    b. Wetland delineation and coordination with U.S. Army Corp of Engineers (USACE), as required

    c. Provide final environmental review report including documentation of agency consultations and public notification processes to SCOR and the City

    d. Environmental review public notices must be published in both English and Spanish

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

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

9. Final Design Plans, in accordance with SC Office of State Engineers (OSE) requirements, to include

a. Design Drawings, to be approved by SCOR and the City prior to submittal to OSE

b. Project Manual, to be approved by SCOR and the City prior to submittal to OSE

c. Final Construction Cost Estimate

d. Stormwater Pollution Prevention Plan (SWPPP) in accordance with SC DHEC and City of Rock Hill SMS4 requirements

e. Required Federal/State/Local permits including, but not limited to, USACE, SC DHEC, SC DOT, and City of Rock Hill. Permits that require identification of the project contractor will not be required for Phase 2.

f. Assist SCOR during the bid process

i. Respond to questions from bidders

ii. Attend a pre-bid conference

iii. Attend a pre-construction meeting

g. Close out all permits following completion of construction

h. Final as-built plans provided to SCOR and the City following completion of construction

i. Operation and Maintenance Plan provided to SCOR and the City for nature-based systems

10. Easement Acquisition –

a. Conduct property research on existing deeds and plats for properties affected by the proposed stormwater improvements.

b. Easement exhibits illustrating the proposed easement for each affected property

c. Property Owner Notifications – notify each affected property owner of the project and the need for easements.

d. Easement Negotiations – determine real property values for each easement using current property values.

e. Execute and Record Easements – meet with property owners and present easement acquisition documents, acquire signatures, and ensure signed documents are recorded with the County appropriately.

11. Construction Administration –

a. Grant Compliance/Davis Bacon, if applicable

b. Construction Engineering Inspection

12. 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's staff as needed

NOTE: This project will be bid using 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 staff proposed 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. For each project, include staff involved in the project, the initial project schedule and the final project schedule for engineering services, and the initial budget and final budget for engineering services.

5. A proposed project schedule, including construction, to demonstrate the firm's ability to complete the project within the timeframe allotted by the funding source. The project must be construction complete by July 31, 2026.

Submittal Format:

Provide one (1) electronic copy and three (3) printed copies 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-N044-MJ *Engineering Services Submittal for ARPA-Funded Stormwater Infrastructure Program (ASIP),*" and the State Project Name and Number. All late submittals will be rejected. The South Carolina

Office of Resilience 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 papers, double-sided, 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-N044-MJ Engineering Services for ARPA-Funded Stormwater Infrastructure Program (ASIP), Prime 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 copy of the submittal 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: Tuesday, November 7 2023, 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: Pam Kendrick, 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 Friday, October 27, 2023, at 11 AM at https://us02web.zoom.us/j/83153240579?pwd=WU1qT1d0QmlKTENvZE1zYW5LY0tvQT09. 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 4:00PM on Wednesday, October 24, 2023. Questions should be emailed to MIT_Infrastructure@scor.sc.gov. All submitted questions will be addressed at the pre-submittal conference.


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