



# CARSON WATER SUBCONSERVANCY DISTRICT

## NOTICE OF REQUEST FOR PROPOSALS (RFP)

### Virginia City/Six Mile Canyon Area Drainage Master Plan In Carson City, NV

**RFP DUE DATE:** November 19, 2021

**SUBMITTAL LOCATION:** Carson Water Subconservancy District  
777 E. William St., Suite 110A  
Carson City NV 89701  
[edjames@cwsd.org](mailto:edjames@cwsd.org)

**QUESTIONS SHALL BE DIRECTED TO:** Edwin James, General manager  
(775) 887-7456  
[edjames@cwsd.org](mailto:edjames@cwsd.org)

### INTRODUCTION/GENERAL

Notice is hereby given that the Carson Water Subconservancy District, hereinafter referred to as "CWSD" is seeking contractor to complete the Virginia City/Six Mile Canyon Area Drainage Master Plan (ADMP) in Storey and Lyon Douglas County, NV.

CWSD invites interested firms to submit written proposals relating to this solicitation. A Screening Committee will evaluate firms' qualifications and experience with similar projects. The firm determined to be best qualified will then be invited to enter negotiations with CWSD to develop a business plan and a not-to-exceed costs.

All electronic and paper submittals, as specified below, must be received by the due date and time at the submittal location specified herein. **Any response received at the specified submittal location after the due date and time assigned will be returned unopened.** CWSD reserves the right to reject any or all submittals, or to withhold the award for any reason it may determine, and to waive or not to waive any informalities in any submittal. All information regarding the content of the specific submittals will remain confidential until a contract is finalized or all submittals are rejected.

ISSUE DATE: October 27, 2021

This contract will be considered a “not to exceed – contract.” The work performed in this contract is intended primarily to be through development and completion of individual work assignments, tasks, and specified deliverables. The selected consultant will work with the Carson Water Subconservancy District and representatives from Storey County to develop a detailed technical and business proposal prior to entering a professional services contract.

A preliminary project description is provided in Exhibit A.

## **CONSULTANT SELECTION PROCESS**

CWSD and county representatives may select the consulting firm based solely on the RFP or the top firms may be asked to present their qualifications to the selection committee.

## **INSTRUCTIONS TO CONSULTANTS**

**1. SUBMITTAL FORMAT:** Please provide one electronic copy on a flash drive and two hard copies. CWSD will not provide any reimbursement for the cost of developing or presenting proposals in response to this Notice. Failure to include the requested information may have a negative impact on the evaluation of the offeror's submittal.

**2. PREPARATION OF SUBMITTAL:**

- a. All proposals shall be on the form(s) or in the format provided in this Notice package.
- b. It is the responsibility of all offerors to examine the entire Notice package and seek clarification of any requirement that may not be clear and to check all responses for accuracy before submitting a proposal.

**3. SUSPENSION OR DEBARMENT CERTIFICATION:** In accordance with Code of Federal Regulations (CFR), public entities are prohibited from contracting with any party that is suspended or debarred or is otherwise excluded from participating in federal assistance programs.

As federal funding may be used for CWSD project; by signing the Offer and Acceptance page, the Consultant certifies that the firm, business, or person submitting the Offer has not been debarred, suspended, or otherwise lawfully precluded from participating in any public procurement activity with any federal, state, or local government. Signing the Offer section without disclosing all pertinent information about a debarment or suspension shall result in rejection of the offer or cancellation of a contract.

**4. INQUIRIES:** Any question related to this Notice shall be directed to the General Manager whose name appears on the front side of this document. Official questions regarding this Notice must be submitted in writing to CWSD no later than **5:00 PM on November 10, 2021**. Questions may then be responded by written amendment to this document. Oral statements or instructions shall not constitute an amendment to the Notice.

**5. REQUEST FOR ADDITIONAL INFORMATION:** CWSD reserves the right to request additional information from Offerors for the purpose of explaining the contents of a submittal. Any such request shall be for informational purposes only.

**6. AWARD OF CONTRACT:** Notwithstanding any other provision of the Solicitation, CWSD reserves the right to:

- (1) waive any immaterial defect or informality; or
- (2) reject any or all proposals of work RFPs, or portions thereof; or
- (3) reissue the Notice.

**7. LATE SUBMITTALS:** Late submittals shall not be considered.

**8. PREPARATION OF SUBMITTAL:**

**A. EVALUATION REQUIREMENTS:**

A qualified committee will evaluate the RFP's submitted in accordance with the Consultant Questionnaire.

CWSD reserves the right to make such additional investigations as it deems necessary to establish the competency and financial stability of any party submitting a proposal.

**B. INSTRUCTIONS FOR SUBMITTAL:**

Submittal for the projects shall be limited to the items listed below. Firms are advised to follow instructions and submit only the requested information. A page is one side of an 8.5" x 11" sheet (minimum font size is 11).

**1. COVER LETTER:**

The cover letter expresses interest in project. The cover letter shall also identify a single individual as point of contact for any future correspondence. (Suggested 2 page maximum)

**2. CONSULTANT QUESTIONNAIRE:**

It is preferred that the answers to the Consultant Questionnaire be limited to ten (10) pages including graphs, charts, schedules, and any other associated material, excluding resumes and section dividers.

## **CONSULTANT QUESTIONNAIRE**

*Firms will be screened based on evaluation of the Consultant Questionnaire using the following criteria, which are listed in relative order of importance.*

The consultant will be selected through a qualifications-based selection process. Firms interested in this project must submit a proposal that addresses the following issues:

### **1. Firm's Experience on Similar Projects (20 points)**

- A. Identify at least two comparable projects within the last five years in which the project team has completed of this type or comparable projects (Simple floodplain mapping is not considered comparable). For each comparable project identified, provide the following information:
1. Description of project, including similarities with respect to the technical analysis and the public and stakeholder involvement aspects for this project.
  2. Role of the firm (as a Prime or Sub-consultant)
  3. Project's original contracted cost & time and final project cost & time with explanation for any variances.
  4. Firm's partnering efforts and successes
  5. Include an executive summary from one of the previously completed area drainage master plans. The executive summary shall not count toward the total page count.

### **2. Personnel Availability & Experience (15 points)**

- A. For each key person identified to work on this study, list at least two comparable projects in which they have played a primary role in the studies. Please provide the following information:
1. Description of project
  2. Key individual's role on the project
  3. Project's original contracted cost & time and final project cost & time with explanation for any variances
  4. Project Owner reference information (two names with telephone numbers per project)
- B. List the current availability of key prime firm personnel for the proposed project time frame and their length of time with the firm.
1. Provide a project organizational chart showing key prime firm personnel and all sub-consultants.
  2. Resumes for key personnel may be attached in accordance with the submittal requirements.
  3. For the prime consultant Project Manager, describe your experience in addressing complex stakeholder issues, such as how or if conflicting goals or objectives were resolved, as well as any experience presenting potential contentious issues to the public.

**3. Project Understanding and Approach (20 points)**

- A. Discuss the major issues your team has identified regarding this project and how you intend to address those issues.
- B. Describe your team's project management approach and team organization for planning, managing, scheduling, budgeting, and quality control for this project.

**4. MAPPING INFORMATION PLATFORM – (10 points):**

The Mapping Information Platform (MIP) is considered FEMA's system of record for project data. Therefore, project data must be submitted to MIP. FEMA requires data is uploaded Mapping Information Platform (MIP) in a highly prescribed manner. The MIP also tracks earned values: schedule performance index (SPI) and cost performance index (CPI). CWSD will work with contractor to create tasks for and baselines for Earned Values. All project data must be uploaded to the MIP at completion of project. CWSD will upload project narrative and summary for project management and outreach based on invoice and progress reports submitted by contractor.

- A. CWSD staff will work with selected contractor to develop cost and schedule baselines for this project. Once established, cost and schedule changes are limited. This grant requires cost and schedule performance be maintained within between 0.92 and 1.08. Describe how your firm will limit baseline changes and stay within cost and schedule variances.
- B. Please provide a brief write up of your firm's experience uploading data to the MIP related to FEMA flood risk and hazard mitigation projects.
- C. Please provide the contact information of your firm's MIP specialist. Working in the MIP requires submitting a Risk Analysis Management System Access Request (RAMSAR). This includes privacy and cybersecurity training certificates.
- D. Potential applicants are encouraged to attend Introduction to the MIP PowerPoint presentation, and review [Data Capture Technical Reference](#) and Metadata profiles (latest version). All data must be submitted to the MIP in the appropriate format. This includes adherence to FEMA's standards, particularly the latest version of FEMA's data capture standards and metadata profiles.

The selection of the most qualified project teams may be based wholly on an evaluation of the submitted RFP. Consultant costs are not to be included with the RFP and will not be a factor in the evaluation of the RFP.

## SPECIAL TERMS AND CONDITIONS

1. **INSURANCE PROVISIONS AND CONDITIONS:** All consultants must carry the following insurance and agree to the following conditions.

**A. COVERAGE AFFORDED**

**MINIMUM LIMITS OF LIABILITY**

Workers' Compensation liability insurance for not less than \$1,000,000

Statute or a State Certificate of self-insurance and employer's

Commercial General Liability

\$1,000,000 each occurrence  
\$2,000,000 aggregate

Automobile Liability Insurance

\$300,000 combined single limit to include any vehicle

Professional Liability

\$1,000,000 each occurrence  
\$2,000,000 aggregate

**B. INSURANCE CONDITIONS**

- i. **GENERAL CONDITIONS:** The Contractor agrees to, at its own expense, purchase and maintain at all times during the life of this contract the herein stipulated minimum insurance with companies duly licensed, possessing a minimum current A.M. Best, Inc. Rating of A- FSC VIII, or approved unlicensed companies in the State of Nevada with policies and forms satisfactory to CWSD. All policies will contain an endorsement providing that written notice be given to CWSD at least ten (10) calendar days prior to termination, cancellation, or reduction in coverage in any policy.
- ii. **WAIVER OF SUBROGATION OR TRANSFER OF RIGHTS OF RECOVERY:** The policies required herein, except Professional Liability, shall contain a waiver of subrogation or in the alternative, a waiver of transfer of rights of recovery against CWSD, its agents, representatives, officers, directors, officials, and employees for any claims arising out of the Contractor's work or service.
- iii. **ADDITIONAL INSURED:** The insurance policies required by this Contract, except Workers' Compensation and Professional Liability, shall name CWSD, its agents, representatives, officers, directors, officials, and employees as Additional Insured with a CG 20 10 or similar endorsement. The Contractor agrees that the insurance required herein will be primary and that any insurance carried by CWSD will be excess and not contributing. All insurance policies of the Contractor shall be primary in relation to the Additional Insured.
- iv. **ENDORSEMENTS AND CERTIFICATE:** The following provisions are also required for the insurance(s), and evidence of such shall be satisfied by Certificate(s) and Endorsements. An insurance company authorized to transact business in the State of Nevada shall issue the Certificates. The Contractor shall, within ten (10) days after award will furnish CWSD with Certificates of Insurance for the required insurance coverage. Endorsements for the Waiver of Transfer of Rights and Additional Insured shall be provided as indicated above, unless contained within the basic policy(ies) and then confirmed by written statement signed by the insurance agent, broker and/or underwriter in a form acceptable to CWSD.

**CARSON WATER SUBCONSERVANCY DISTRICT**

777 E. William St., #110A

Carson City, NV 89701

PH: (775) 887-7450 / FAX: (775) 887-7457

**REQUEST FOR PROPOSALS**

EDWIN JAMES, GENERAL MANAGER

E-MAIL: edjames@cwsd.org

- v. **SUBCONTRACTORS:** In the event any of the Work is subcontracted, the Contractor shall require the subcontractor to provide Workers' Compensation insurance for all the subcontractor's employees engaged in the Work, unless such employees are covered by the protection afforded by the Contractor's Workers' Compensation insurance. In case any class of employees engaged in hazardous work under the Contract is not protected under the Workers' Compensation statute, the Contractor shall provide, and shall cause each subcontractor to provide, adequate employer's general liability insurance for the protection of such of their employees as are not otherwise protected.
  - vi. **PROFESSIONAL LIABILITY (Errors & Omissions):** Professional liability insurance carried by the consultant must cover all elements of the project including professional services performed by subcontractors. If the consultant's professional liability insurance does not provided coverage for work performed by subcontractors, separate project insurance will be required to comply with the professional liability insurance requirement. CWSD may require a copy of the professional liability insurance policy to verify coverage.
2. **OWNERSHIP OF WORK:** The originals of all documents provided to the Consultant by CWSD for review and all work product of the Consultant including, without limitation, field review notes, field survey notes, reports, exhibits, computer outputs, calculation sheets, drawings, and all other documents, including recordings, videos and pictures associated herewith are instruments of service, are property of CWSD, and are to be delivered in format requested to CWSD before or as a part of completion of the performance under any phase of the Contract for which compensation and/or payment is requested by the Consultant. Any work produced under the Contract is a work made for hire. The Consultant must promptly (1) provide CWSD with all information in the possession or under the control of the Consultant and relating to all Work Product and (2) at the request of CWSD, execute and deliver to CWSD each document and other writing, and take each other action, to assist CWSD in protecting its interest in any Work Product and otherwise enabling CWSD to use and enjoy any Work Product.
3. **KEY PERSONNEL:** It is essential that the Consultant provide adequate experienced personnel, capable of and devoted to the successful accomplishment of work to be performed under this Contract. The Consultant must agree to assign specific individuals to the key positions.

The Consultant agrees that, once assigned to work under this Contract, key personnel shall not be removed or replaced without express written consent of CWSD.

If key personnel are not available for work under the Contract as initially proposed or are expected to devote substantially less effort to the work than initially anticipated, the Consultant shall immediately notify CWSD, and shall, subject to the acceptance of CWSD, replace such personnel with personnel of substantially equal ability and qualifications.

Failure to comply with this requirement may be grounds for termination.

## **STANDARD TERMS AND CONDITIONS**

- 1. INDEPENDENT CONSULTANT:** It is clearly understood that each party shall act in its individual capacity and not as an agent, employee, partner, joint venture, or associate of the other. An employee or agent of one party shall not be deemed or construed to be the employee or agent of the other party for any purpose whatsoever.
- 2. NON-EXCLUSIVE CONTRACT:** Any contract resulting from this solicitation shall be awarded with the understanding and agreement that it is for the sole convenience of CWSD. CWSD reserves the right to obtain like goods or services from another source when necessary.
- 3. AMERICANS WITH DISABILITIES ACT:** The Consultant shall comply with all applicable provisions of the Americans with Disabilities Act, Public Law 101-336, 42 U.S.C. 12101-12213, and applicable federal regulations under the Act.



# Exhibit A

## Virginia City and Six Mile Canyon Area Drainage Master Plan

### Scope of Work:

The following is a Scope of Work (SOW) for the **Virginia City and Six Mile Canyon Area Drainage Master Plan** (ADMP). The study area is approximately 16.7 square miles (See Figure 1).

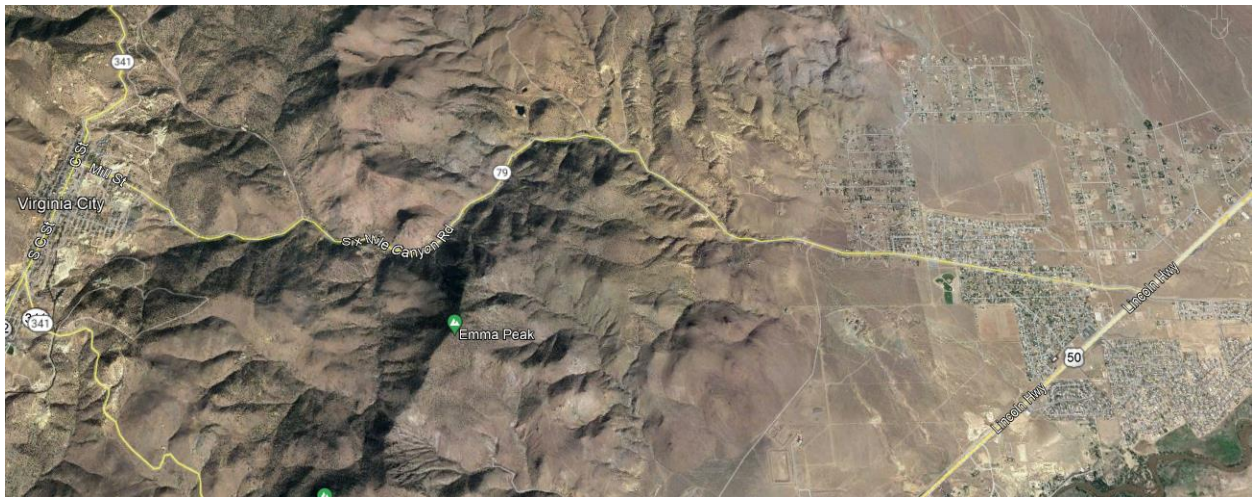


Figure 1

#### **Background:**

Stormwater runoff from Virginia City cumulates into Six Mile Canyon, which then empties into an alluvial fan at the base of the canyon into an area studied by the Dayton Valley Area Master Drainage Plan. The base of Six Mile Canyon is also identified on FEMA mapping as a special flood hazard area.

Virginia City is located on a steep slope, with runoff (water and sediment) reaching a high velocity entering Six Mile Canyon. While Six Mile Canyon is for the most part in a natural condition, Virginia City is a developed town with both paved and dirt roadways. Although there are some storm drains and infrastructure improvements in certain areas, the majority of runoff is directed onto streets following the slope downhill. An overall plan for stormwater runoff for the town is needed and has been included on the initial Capital Improvement Program proposed for the County. An evaluation of the runoff, and the potential for retention/detention, infiltration, and controlling sediment flow prior to entering and impacting Six Mile Canyon is desired.

Six Mile Canyon is narrow and contains a 2-lane roadway (formerly State Highway 79) in Storey County which is a vital connection from the Dayton Valley to Virginia City and Reno. As a result, this roadway erodes frequently during large storm events and has been rebuilt several times. Improvements to incremental pieces of the canyon drainage system have been implemented after damage from flood events. An overall evaluation of Virginia City and Six Mile Canyon stormwater system is desired and would also include recommendations for drainage improvements to stabilize the roadway and allow for

runoff to occur without serious impacts to the roadway or canyon soil erosion. Currently, the County is addressing this area in a reactionary method as impacts occur.

Storey County desires an overall plan to address flooding and stormwater impacts for Virginia City & Six Mile Canyon. The plan would identify impacted areas and potential mitigation in Virginia City and Six Mile Canyon. The County wants to identify strategies to mitigate stormwater in Virginia City before it impacts Six Mile Canyon roadway and desire a study to identify alternatives for potential modifications to the existing channel to maintain runoff in the channels, slow sediment and avoid adverse effects to the outflow of the canyon and the FEMA mapped special flood hazard area. The consultant will prepare 15% preliminary engineering drawing for alternatives' concepts and prepare life cycle cost estimates for the facilities to account for annual maintenance and future replacement costs of the proposed facilities based upon the 15% design.

### **Objectives:**

The objective of the project is to identify and quantify the flood hazard risk and provide solutions to reduce flooding within Virginia City and down Six Mile Canyon. Alternatives would be ranked and include 15% design.

### **Scope:**

The Carson Water Subconservancy District (CWSD) will retain an engineering firm to evaluate the needed infrastructure to reduce the number of properties and structures impacted by flooding and stormwater in Virginia City and Six Mile Canyon. CWSD anticipates the using of the 2017 USGS LiDAR for this area; however, additional LiDAR may be needed for the Virginia City area. This information will be used to develop the terrain data. The selected engineering firm will perform a hydrologic analysis for the area. CWSD plans on utilizing the hydrologic and hydraulic data developed from the [Dayton ADMP study](#) for Six Mile Canyon. CWSD anticipates that additional work will be needed to refine the hydrologic and hydraulic model for the Virginia City area. This study will also include an analysis of County-controlled land available for drainage improvements. This study will consider FEMA/NDEP regulations related to Mercury Superfund site and identify additional permit requirements and constraints to alternatives. Some additional surveying will be required.

The analysis will include an evaluation of existing hydraulics structures in addition to data collection of topographic features within the study area. The selected engineering firm will determine the appropriate mitigation measures such as: detention basins, culvert sizes, channels and pipe sizes, and inlet locations, which will best reduce flooding and shallow flooding impacts.

- **25-Year Flood Mitigation Alternative.** The Consultant Team will develop a series of alternatives for areas (up to 6) with significant flood and sedimentation risk. This Task will include a priority list of projects to reduce flood risk.
- **100-Year Flood Mitigation Alternative.** The Consultant Team will develop a series of alternatives for areas (up to 6) with significant flood and sedimentation risk. This Task will include a priority list of projects to reduce flood risk.
- **Phasing Assessment Alternative.** The Consultant will assess the results from the tasks above and develop a recommended phasing plan for the alternatives. Up to three additional 2D models may be created to aid in developing the recommended phasing plan.

- **Off-Site 15% Design Plans.** The Consultant will prepare 15% preliminary engineering drawings for alternatives concepts developed based on the results for the tasks above.
- **Life Cycle Cost Estimates.** The Consultant will prepare life cycle cost estimates for the facilities to account for annual maintenance and future replacement costs of the proposed facilities, based upon the 15% design plans. The Consultant will provide these for all conceptual designs.
- **Final Report.** A FINAL technical report will be submitted. The FINAL report will be comprised of all previously submitted and approved DRAFT chapters and digital data. A final report that can be shared on CWSD and County websites.
- Provide a mapping layer/ overlay for Storey County GIS or in a format that allows us to add to our GIS.
- **Executive Summary.** A separate Executive Summary report will be submitted.

## Public Events

**Informational Public Meetings.** The Consultant will prepare for and implement a public meeting **at the onset of project** designed to educate the public regarding the Virginia City and Six Mile Canyon ADMP and collect residents' flood pictures and other information. At the study's conclusion, the Consultant will lead the public meeting by presenting project information and results. The meetings will be held in Virginia City near the beginning and conclusion of the study. Online meetings may be necessary if in-person meetings are not feasible.

**Board Meetings.** The Consultant Team will give two presentation at the end of the study. One to Carson Water Subconservancy District Board and another to Virginia City Board of Commissioners.

## FEMA Mapping Information Platform (MIP)

Upon completion of the project the consultant will upload data, with CWSD staff assistance, to the FEMA Mapping Information Platform (MIP) format. Although this study will not result in a regulatory product, some data sets (i.e. topography, hydrology, hydraulics, hazard mapping) may be required to be uploaded in format required by current FEMA [Data Capture Technical Reference](#) and include Metadata .

### Below is a summary of anticipated tasks by Storey County.

1. Project Management
2. Topographic Data Collection
3. Data Collection
  - a. Supplemental survey
  - b. Site visits
  - c. Reports

4. Flood Risk and Mitigation
  - a. Hydrology & hydraulic analysis of areas not included in North Dayton ADMP scope
  - b. Evaluate existing and improved conditions 25-yr and 100-yr storms using existing N. Dayton ADMP model
    - i. Will need new models for most other areas
  - c. Provide concept plans for recommended options
  - d. Provide BCA for recommended options
  - e. Final report and data delivered to CWSD, Storey County, and FEMA through MIP.
5. Public Outreach
  - a. Public Meetings and mailings – provide two meeting plus website to show information
  - b. Board meeting presentations – CWSD and Storey County

## **PROJECT MANAGEMENT**

The Consultant Team will submit monthly invoicing and process reports by 10<sup>th</sup> of following month.