



Memorandum

To: Vail Town Council
From: Departments of Public Works and Community Development
Date: April 7, 2015
Subject: Storm Sewer and Drainage Basin Mapping Project – Contract Award

I. PURPOSE

The purpose of this memorandum is to provide a recommendation to move forward in awarding SGM a contract to perform storm sewer and drainage basin mapping services in response to a Request for Proposals released by the Town of Vail as part of the Restore the Gore Strategic Action planning process.

II. BACKGROUND

As of 2012 the Colorado Department of Public Health and Environment (CDPHE), Water Quality Control Commission, added the portion of Gore Creek from Black Gore Creek to the Eagle River (Dowd Junction) to Colorado's Section 303(d) list of impaired waters for *aquatic life use*. To address the 303(d) listing, and to improve water quality, the Eagle County Urban Runoff Group (URG) funded the completion of The Gore Creek Water Quality Improvement Plan (WQIP), completed by Leonard Rice Engineers, which may be downloaded at <https://vail.sharefile.com/d/sd773b7f738745c28>.

Building upon the findings in the WQIP, the Town of Vail contracted with Lotic Hydrological to complete the Restore the Gore Strategic Action Plan currently underway which includes the following:

- Objective 1: Regulatory Measures**
- Objective 2a: Site Specific Projects**
- Objective 2b: Riparian Areas**
- Objective 3: Monitoring and Study Programs**
- Objective 4: Best Management Practices**
- Objective 5: Education and Outreach**
- Objective 6: Prioritization**
- Objective 7: Planning and Implementation of High-Priority Actions**

A critical component of Objective 7 includes the release of a Request for Proposals (RFP) to identify and evaluate the complete inventory of existing stormwater infrastructure, and create a database and drainage area map. Without this information properly maintaining and improving the storm system proves to be inefficient and challenging.

Scope of Work

Qualified professionals are asked to provide the development of a complete, spatially accurate, informative, and cost effective GIS-based inventory database of stormwater infrastructure within the town's city limits. The town's existing infrastructure inventory was completed in 2007 and includes approximately 70% of the municipally owned drainage system. This project requires a review of the existing inventory, updating it to include newly identified drainage system components and appurtenances, verifying and refining vertical and horizontal spatial information for all infrastructure components, and verifying and refining important maintenance related metadata for all infrastructure components. In order to understand the diversity of landscape elements and land use types contributing stormwater runoff to various portions of the drainage network, all contributing drainage areas must be mapped. All information must be compiled in a topologically correct spatial database that preserves the direction of stormwater flow throughout the entire drainage network. The completed spatial database will serve as the foundation for the development of comprehensive infrastructure maintenance schedules and an asset management program.

Responses to the RFP, released on February 13, 2015, were received on March 6, 2015. Submitting firms included:

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| • SGM, Glenwood Springs, CO | Proposal cost: \$125,920 |
| • Michael Baker International, Lakewood CO | Proposal cost: \$267,579 |
| • Matrix Design Group, Denver, CO | Proposal cost: \$235,700 |

SGM was selected by the staff review team due the criteria listed in Section III, as well as overall value added and prior experience with basin mapping in Vail, and thorough understanding of Gore Creek water quality issues and challenges unique to Vail (snowmelt, ski area, I-70). The contract amount is within budget and if approved, will be funded as a capital expenditure via the \$1.5 million allocated for Gore Creek water quality improvements and flood repair. The project will be completed by October, 2015.

III. EVALUATION CRITERIA

Submitting firms were evaluated based upon on the following criteria:

- Prior project experience
- Ability to perform the scope of work
- Approach to scope of work
- On-time and on-budget track record and evidence in proposal
- Total cost of the project
- Completeness of proposal

IV. RECOMMENDATION

Staff recommends the Vail Town Council authorize the Town Manager to enter into an agreement, in a form approved by the Town Attorney, with SGM, Inc. in an amount not to exceed \$125,920.00 to complete the Storm Sewer and Drainage Basin Mapping Project.