



**COUNTY OF NEVADA**  
**COMMUNITY DEVELOPMENT AGENCY**  
**DEPARTMENT OF PUBLIC WORKS**  
950 MAIDU AVENUE, NEVADA CITY, CA 95959-8617  
(530) 265-1411 FAX (530) 265-9849 [www.mynevadacounty.com](http://www.mynevadacounty.com)

Trisha Tillotson  
Community Development Agency Director

Heba El-Guindy,  
Director of Public Works

**NEVADA COUNTY BOARD OF SUPERVISORS**  
**Board Agenda Memo**

---

**MEETING DATE:** July 11, 2023  
**TO:** Board of Supervisors  
**FROM:** Heba El-Guindy, Director of Public Works  
**SUBJECT:** Approval of Contract with NV5 Inc., for Professional Engineering and Geotechnical Services for an Amount Not to Exceed \$60,649 and Authorizing the Chair of the Board of Supervisors to Execute the Contract

---

**RECOMMENDATION:** Approve the attached Resolution

**FUNDING:** Contract will be funded by the Road Fund, and there is sufficient budget in Road Engineering. There is no impact to the General Fund.

**BACKGROUND:** On June 9, 2023, a rock estimated at 40-50 tons broke loose from the rock slope adjacent to Donner Pass Road just east of Rainbow Bridge and fell on Donner Pass Road where shown on the attached Exhibit A. The rock caused damage to the roadway and adjacent guardrail and retaining wall. The rock slope is nearly vertical and rises 50 feet or more above the roadway elevation. Prior to the County working in the area to remove the rock and repair the road, NV5 Inc. was asked to assess the rock slope adjacent to the roadway. NV5's initial visit included site reconnaissance and drone assisted photogrammetry surveys of the site, where they identified newer fractures within the remaining rock mass and evidence of recent movement. This initial analysis also indicated that there is a potential for additional hazardous rock fall at this site. Due to the instability of the rock, Donner Pass Road was closed adjacent to the impacted area.

Additional analysis is currently needed to determine how significant the potential for more rock fall and identify options to mitigate such potential for rock fall. The additional work will include more detailed analysis and development of specifications, drawings and reporting. Staff is proposing to retain NV5 to perform the additional work and determine mitigations needed to ensure roadway safety.

**Item Initiated by:** Patrick Perkins, Principal Civil Engineer  
**Approved by:** Heba El-Guindy, Director of Public Works

**Attachments:**

- Resolution for Approval of Contract between County of Nevada and NV5 Inc.
- Exhibit A – Area Map
- Contract between County of Nevada and NV5 Inc.
- Work Proposal by NV5 Inc.