

Project 11

Name: Home Range Road

Description: rehabilitation and improvement of an existing rough graded roadway commonly utilized for vehicular maintenance access and recreational use, including both summer and winter time use.

Location: county; a primarily north-south running dirt roadway located to the west of the Alder Creek Adventure Center and situated within an area of Tahoe Donner commonly referred to as the 'Home Range' during winter cross country skiing use. The project commences at the base of a set of trails, including Rust Never Sleeps known as Project 12, and terminating at the existing gate very near the small paved parking area at the end of Alder Creek Road.

Project Type(s): rehabilitation and improvement of existing

Trail Type: roadway

Topography & Grade: the existing dirt roadway primarily maintains gentle grades, with one mid-project exception having a 10%+ grade as it falls to the west down the fall line (see Photo 11c).

Length: 4,659 feet (.88 miles)

Constraints & Resources: the largest drainages have existing functional culverts (see Photo 11a) needing no improvement. Use of rock lined rolling dips, w/ rock dissipaters as necessary, will convey runoff across and off the roadway surface without creating a downhill erosion condition.

Opportunities & Areas of Import: stabilization of road surface with crushed gravel and use of rolling dips w/ dissipaters, as necessary, will improve useability and result in less erosion and net benefit to water quality.

Project Specifics: resurfacing, 9+ rock lined rolling dips w/ dissipaters per detail. Largest (>5 cfs) drainage at northerly end of project is located at the base of a large and wide draw requiring multiple rolling dips to adequately disperse runoff.

Construction: heavy equipment use for gravel surface application; hand construction for rolling dips and rock dissipater installation; heavy equipment staging area located west of Alder Creek Adventure Center with access provided via the existing dirt roadways.



Photo 11a – Existing Culvert Under Project



Photo 11b – Typical Road Surface and Rolling Dip w/ Dissipater Improvement

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Typical Details & Specifications: T.D. 1-3 (BMP's), T.D. 8 (Rolling Dip), T.D. 9 (Rock Dissipater), T.D. 19 (Maintenance Access Road)



Photo 11c – Typical Steeper Road Surface at
Mid Project Area



Photo 11d – Typical Road Surface at Lower
Project Area near Adventure Center