

**Client Contact:**  
**Mr. Tom Allender**  
**Vail Resorts**  
**Management Company**

**Services Provided:**  
• **Geotechnical Study**

**Project Summary:**

Cesare, Inc. (Cesare) conducted a geotechnical study for a proposed Zip Line consisting of lower and upper tower guy wires. The foundation element is a large, flat, cast-in-place concrete foundation that serves as anchorage for the guy wires. Each foundation pad will measure about 32 feet in width, 10 feet in length, and 6 feet in depth. Excavations of up to 7 feet are required. Subsurface conditions were explored by a test pit at each foundation location.

Subsurface materials encountered varied at each location from topsoil to sand and clay to dense cobbles and boulders. Practical refusal was encountered at a depth of 7 feet at each location. Engineering recommendations were given for foundations, lateral loads, surface drainage, and backfilling materials.

