

## Fire Access Road

Oak Meadows Winery • Temecula, CA

February, 2012



**Project Description:** Construction of an engineered unpaved road for emergency fire access capable of supporting a fully loaded 80,000 lb fire truck.

**Project Objectives:** Preliminary geotechnical investigation and laboratory testing determined that a blend of native soil and import Class II base infused with a 0.75% polymer admix would develop the bearing strength required to support an 80,000 lbs distributed load. Based on the laboratory evaluation of strength properties, the regional fire department accepted polymer soil stabilization as an alternative to the previously required asphalt/concrete paved surface. The soil material used to construct the road was prepared in accordance with the technical specifications and standard road building methods including proper drainage and surface finish. The finished road meets both the load bearing requirements of the regional fire department and aesthetic needs of the owner for this premier wedding venue.

**Equipment Used:** Grader, Water Truck with Hose Attachment, Smooth Drum Roller.

**Application Specifications:** Infused application at 0.75% polymer admix and a topical sealcoat at 100 ft<sup>2</sup>/gallon.

**Maintenance Requirements:** Removal of loose material from surface and topical re-application of polymer seal coat at a coverage rate of 150 ft<sup>2</sup>/gallon.

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