

Colusa County, CA

# **Stonyford-Lodoga Road, Pavement Distress Evaluation and Roadway Rehabilitation**

# Prior to Construction (2019)



Distress was related to poor compaction, thin aggregate base sections, localized poor subgrade, and concentrated loads from emergency vehicles and equipment during wildfire suppression efforts.



# Geotechnical Engineering (2019)



Project included logging and sampling six test pits to approximately a 5-foot depth, Dynamic Cone Penetrometer (DCP) testing six locations. Subsequently, geotechnical laboratory testing, engineering analyses, and submission of a geotechnical report with recommendations for pavement repair alternatives were completed.

# During Construction (2021)



The roadway pavement section was reconstructed the using Full-Depth Reclamation (FDR) with an asphalt overlay, corrections to roadway cross-slopes, and shoulder drainage improvements. FDR saved the County 19% in construction cost when compared to other potential solutions.



# Post Construction (2021)



The improvements included 48 conforms at residential driveways, ranch/farmland entrances, and the main entrance to a ranchland subdivision.