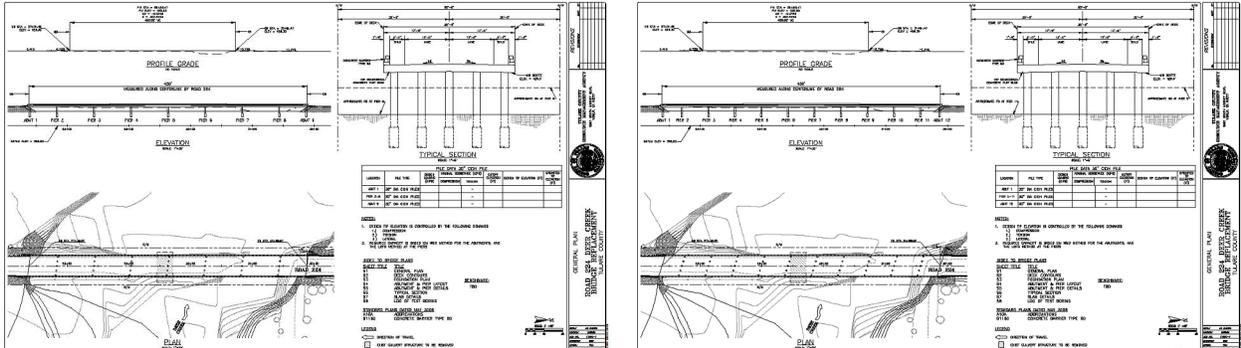




ROAD 224 BRIDGE OVER DEER CREEK



Above: County Engineers have developed two bridge alternatives as part of the Bridge Type Selection Report. Alternatives will be compared on the basis of cost, constructability, hydraulic and geotechnical design recommendations, environmental concerns and general bridge performance.

Status of Project: Over the past few months, the County's environmental consultant has made continual progress towards receiving environmental clearance through the EPA's National Environmental Policy Act (NEPA). Thus far, the following environmental documents and studies have been completed:

- ◆ Draft Natural Environment Study with Minimal Impacts (Nov, 2013)
- ◆ Noise Technical Memorandum (Dec, 2013)
- ◆ Water Quality Memorandum (Jan, 2014)
- ◆ Historic Property Survey Report & Archaeological Survey Report (Feb, 2014)

Recently, the Geotechnical Engineer drilled several borings throughout the project site to classify soil properties used for bridge design/analysis and also to identify the appropriate foundation type. Over the next few weeks, engineers will prepare and submit a Type Selection Report (for review by Caltrans) to establish the most effective bridge alternative based on recommendations by the project geotechnical and hydraulics engineers. Selection of the primary alternative will also consider constructability, bridge performance, environmental concerns and cost.



Above: Map prepared by Environmental Consultant to identify the biological survey, temporary construction, and staging limits

Below: Map prepared by Hydraulics Engineer showing surveyed cross sections used in river analysis (HEC-RAS model) to identify water profile and bridge design parameters



Schedule: Pending NEPA compliance, final bridge and roadway design is anticipated to start at the end of April, and will conclude in late December. Bridge and roadway construction is expected to take approximately 6 months (Spring 2015 - Fall 2015).

For further information or questions regarding this project feel free to contact Jason Vivian at 559-624-7135 (e-mail: jvivian@co.tulare.ca.us) or Ben Ruiz at 559-624-7134 (e-mail: bruiz@co.tulare.ca.us).

Key Features:

- Reinforced Concrete (RC) Flat Slab or RC Post-Tensioned Flat Slab Superstructure
- Designed for 100-year Flood
- Long Term Solution to Ongoing Problem
- 100% Federally Funded
- Road 224 will remain closed through end of construction
- Foundations: Cast-In-Drilled-Hole Concrete Piles

PROJECT TEAM

Engineering Manager: Benjamin Ruiz Jr., Tulare County
 Project Manager: Jason Vivian, Tulare County
 Project Engineer: Sukhjinder Brar, Tulare County
 Hydraulics Engineer: Cathy Avila, Avila and Associates
 Geotechnical Engineer: Martin McIlroy, Taber Consultants
 Environmental Consultant: Sarah Holm, Dokken Engineering
 Regulatory Agency Permitting: Aaron Bock, Tulare County

For Project Information:
Scan with Smartphone



Or Visit:
<http://www.tularecounty.ca.gov/rma/>

