ROAD 224 BRIDGE

OVER DEER CREEK

Road 224 at Deer Creek has an extensive history of washing out during heavy rains and flooding, and most recently, washed out during the heavy rain events of 2010. The design and construction of this project will be entirely funded through the Federal Highway Administrationôs Highway Bridge Program (100% federally funded with no local fund participation). The new structure will consist of an approximately 450-foot long, ten-span reinforced concrete flat slab bridge supported on concrete pile foundations. The bridge will carry two 12-foot lanes with 3-foot shoulders and open type concrete bridge barriers with protective metal beam guard railing meeting current traffic impact standards. The profile of the bridge will be raised slightly to improve channel hydraulics, therefore approach roadways will need repaving and in a few locations, adjacent property access driveways will need to be realigned to facilitate access. Currently, the Countyôs consultants are helping to define the proper bridge length to convey 100-year flood flows, establish an appropriate foundation type and prepare technical environmental studies. Road 224 will remain closed to through traffic during construction and construction is expected to take approximately 4-5 months.

PROJECT TEAM

Chief Engineer: Kuna Muthusamy, Tulare County

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

U.S. Department of Transportation
Federal Highway Administration

Caltrans

TCAG
Tulare County Association of Governments

KEY FEATURES

-Reinforced Concrete Flat Slab
-Designed for 100-year Flood
-Long Term Solution to Ongoing Problem
-100% Federally Funded

BRIDGE DATA

Bridge Type:	Concrete Flat Slab
Span Config:	10@ 44-ft
Length:	450-feet
Width:	33.5-feet

PROJECT FUNDING

HBP:	$3,586,000
Toll Credits:	$464,000

SCHEDULE

Preliminary Engineering:
Fall 2011 - Fall 2014

Construction:
Spring 2015 - Summer 2015

September 27, 2013

5961 South Mooney Boulevard
Visalia, CA 93277
Tel: (559) 624-7000

COUNTY OF TULARE CALIFORNIA