



Project Manager
Paul Saini, RCE, QSD-P
Paul.Saini@StanCounty.com

Funding Source(S)
100% SB-1 Funding

Project Cost
\$431,609 Design
\$1,000,000 Construction



Keyes Rd @ Ceres Main Canal Bridge Replacement

Project Description

The Keyes Road over Turlock Irrigation District (TID) Ceres Main Canal (Bridge No. 38C-0193) is located in Stanislaus County between Moffett Road and Esmar Road, just west of the Keyes community. Keyes Road is a two-lane road classified as a major collector and is used as an east-west connector in the region with an interchange at State Route 99. The average daily traffic (ADT) along Keyes Road is 5,270 vehicles per day with approximately 10% consisting of truck traffic.

The existing structure is a concrete lined trapezoidal channel consisting of a continuous 2-span reinforced concrete slab supported on reinforced concrete pier walls and diaphragm abutments founded on spread footings. The bridge is 32 ft wide and has a span of 22 feet. Abutment 1 has a full width 0.08-inch wide crack in the asphalt concrete approach. The existing structure also has delamination, spalled areas, exposed rusted rebar in the soffit, cracking, abrasion, and other damage.

The Keyes Road over TID Ceres Main Canal is funded with Local SB1 Funds. The total estimate for the project is \$1,431,609 with \$431,609 for preliminary engineering and approximately \$1,000,000 for the construction phase.

The purpose of the project is to increase the load limit, increase the permit rating, improve the safety of motorist, and minimize vehicular accidents.

Keyes Road between
Moffett and Esmar