

## **Notice of Section 401 Application Reception**

**File Number:** 332022-11

**Project Name:** Market Street Bridge Replacement Project

**Date Posted:** 6/14/2022

**Received:** 6/07/2022

**Project City:** Jurupa Valley and Riverside

**Project County:** Riverside

**Applicant Organization:** County of Riverside Transportation Department

**Applicant Name:** Jan Bulinski

**Waterboard Staff:** TBA

### **Brief Description of Project:**

**Project Description:** To replace the existing 2-lane Market Street Bridge (Br. No. 56C 0024) with a new 4-lane bridge and reconstruct the connecting approach roadways. The new bridge will replace the structurally deficient, scour critical and functionally obsolete Market St Br with a new structure that meets current design standards to provide enhances public safety and reduce traffic congestion.

**Project Activities:** The Project will be constructed in two phases; the existing bridge will remain open during construction; a parallel structure will be constructed. Once complete, the parallel structure will be accessible to traffic and the existing bridge will be demolished; the new bridge will be built adjacent to the structure. The existing Market Street Bridge will continue to be used while the eastbound structure is constructed. Once the eastbound structure is operational, the existing bridge will be demolished. The final structure will be nine-span, cast-in-place prestressed concrete box girder bridge. Foundation construction may require dewatering and/or drilling slurry. Ground improvements near the abutments may be required to address seismically induced liquefaction and lateral spreading. These improvements may include soil mixing, compaction grouting, and stone columns. The existing bridge piers will be removed to below the depth of anticipated scour for foundations that are within the river channel and to a depth of 1 foot minimum below finished grade for foundations that are outside of the river channel (i.e. both bridge abutments). As such, it can be assumed that the entire footing at each pier will need to be removed while the existing piles can remain in place. Based on this assumption, the total volume of concrete removed within the river channel below existing ground is estimated to be as high as 760 cubic yards. The total area of the existing pier walls (bridge columns) within the SAR R4 channel that will be removed is 1455 square -ft. (0.12 acre).