



## **REPORT TO CITY COUNCIL**

**To: Honorable Mayor and Members of the City Council**

**From: Jason Simpson, City Manager**

**Prepared By: Remon Habib, City Engineer**

**Date: April 27, 2021**

**Subject: Agreement for Professional Services to STC Traffic, Inc., for the Signal Coordination Timing Plan for the I-15 at Railroad Canyon Rd. Interchange Project**

### **Recommendation**

Approve and Authorize the City Manager to execute an Agreement for Professional Services for \$48,460 to STC Traffic, Inc., plus an additional 10% contingency, in final form as approved by the City Attorney.

### **Background**

The Railroad Canyon Road/I-15 interchange project has been designed to reconfigure the existing interchange ramps to eliminate a signalized intersection on Railroad Canyon Road and improve traffic flow in the area. The project is currently under construction and is scheduled to be complete in late 2022. The improvements impact the intersections of Diamond Drive/Mission Trail, Diamond Drive/Auto Center Drive, Diamond Drive/I-15 Southbound Ramps, Railroad Canyon Road/I-15 Northbound Ramps, Railroad Canyon Road/Grape Street, and Grape Street/I-15 Northbound Ramps.

### **Discussion**

Construction progress is nearing a major phase where the new I-15 Northbound offramp at Grape Street will be opened to traffic and the existing I-15 Northbound offramp at Railroad Canyon Road will be closed. It is expected that this phase will occur in June 2021. A signal coordination analysis and subsequent signal coordination plans are needed to maintain efficient traffic flow in the interchange area during this interim construction phase. Two daily coordination plans (AM and PM) are planned to be prepared and programmed. The intersections that will be coordinated in this interim construction phase are Diamond Drive/I-15 Southbound Ramps, Railroad Canyon Road/I-15 Northbound Ramps, Railroad Canyon Road/Grape Street, and Grape Street/I-15 Northbound Ramps.

A signal coordination analysis and subsequent signal coordination plans are needed for the ultimate condition at the end of construction. Four daily coordination plans (AM peak, midday, school, PM peak) are planned to be prepared and programmed at the end of construction. The intersections that will be coordinated for the ultimate condition are Diamond Drive/Mission Trail, Diamond Drive/Auto Center Drive, Diamond Drive/I-15 Southbound Ramps, Railroad Canyon Road/I-15 Northbound Ramps, Railroad Canyon Road/Grape Street, and Grape Street/I-15 Northbound Ramps.

**Fiscal Impact**

Funds are allocated through the adopted CIP Budget for the Interchange Project.

**Exhibits**

A – Agreement