EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION

INTEROFFICE MEMORANDUM

Date: October 13, 2020

To: Lori Parlin, El Dorado County Board of Supervisor – District 4

From: Rafael Martinez, Transportation Director

Subject: Lotus Rd/ Gold Hill Rd/ Luneman Rd
Highway Safety Improvement Program (HSIP) Grant Application

The attached exhibit is a conceptual solution for safety improvements at the subject intersection. The County of El Dorado, Department of Transportation (Transportation) staff maintains an accident database that includes accident reports provided by the California Highway Patrol (CHP). The intersection area of Lotus Rd/Gold Hill Rd/Luneman Rd was found to have experienced a high number of accidents (of all severity levels) and was prioritized and will be paired with appropriate countermeasures as funding becomes available.

After reviewing the accident data, monitoring traffic patterns, and reviewing community complaints and input for this specific project, it was determined that a roundabout is the best solution for the location. Even though this location only sees a handful of accidents per year, some of those accidents have been severe and have mainly been from conflicting turn movements. National studies show that roundabout intersections lessen these conflicting turn movements and assist in calming traffic. Statistics have shown roundabouts can reduce broadside accidents by 85% and reduce speeds by an average of 15 MPH. Furthermore, this intersection does not meet the warrants for an all-way stop or a traffic signal. Transportation is recommending this conceptual safety improvement, roundabout intersection conversion, and proceeding with submitting an application for HSIP Grant funding for a roundabout at the subject intersection. If grant funding can be obtained for the proposed safety improvement, Transportation will recommend the Board of Supervisors approval to add this intersection project to the Capital Improvement Program (CIP)

Attachments:
1. Conceptual intersection roundabout plan