Registration Form

TEAM INFORMATION

Team Name/Project Title: I-25 and County Line Road Improvements

Department: Civil Engineering

Faculty Advisor: Peter Marxhausen

Team Members: Athena Gomez, Badr B. E. Husini, Richard Spann, Dylan Tobin, Dominic Turano

PROJECT INFORMATION

Description:

Design improvements to increase functionality and mobility at I-25 and Belleview.

Abstract:

CDOT has a target project for the Belleview/I-25 Operational Improvements Corridor Study. CDOT manages the ramp terminal intersections located at I-25/Belleview. The I-25 off-ramps provide access to the Denver Technological Center area, the commercial corridor, and the communities of Centennial and Lone Tree. There are multiple issues at this location that include the following:

- Vehicle queuing on the southbound off-ramp that can extend to the I-25 mainline during peak hours.
- Vehicle queuing on the northbound approach to the intersection
- Lack of provisions for certain vehicle movements
- Lack of formal pedestrian facilities, etc.

A series of alternatives needs to be developed by mixing and matching vehicle movements. The student team should study, analyze, and propose multiple different design alternatives without degrading overall intersection operations at this location.