

**STAFF'S REVIEW COMMENTS**  
**CU BOULDER SOUTH**  
**DRAFT TRAFFIC IMPACT STUDY**  
**January 29, 2021**

**GENERAL COMMENTS**

- The Traffic Study needs to determine when the recommended public improvements are to be constructed in coordination with development of the site. Please revise the Traffic Study accordingly.
- Please revise the Traffic Study to include a new figure which shows the trip reductions that are being applied to the individual travel lanes for the study area intersections for staff's review and comment.
- Staff will require the Traffic Study include separate exhibits showing the existing multi-modal network adjacent to and in the vicinity of the site that provide connections from the site to the other CU Campuses and residential facilities. One exhibit must show the transit connections while the other exhibit must show the bicycle/pedestrian connections. Staff will use the exhibits to identify the requirement for the project to either improve existing connections or construct new more convenient multi-modal connections. The requirement to improve the existing multi-modal network or provide new multi-modal facilities will be a condition of annexation in support of the project's trip reduction and in support of meeting the City's TMP Goals and the Guiding Principles for the CU South Campus in providing convenient multi-modal connections. Please revise the Traffic Study accordingly.
- Given the twenty-year project implementation timeframe, traffic signal timing changes will not be an acceptable mitigation to address LOS deficiencies. It is staff's intentions to require the traffic study to propose a combination of a trip budget and geometric improvements at the study area intersections to manage the project's vehicular impacts to the roadway system. Staff will provide the applicant with details regarding the trip budget at the meeting scheduled for Monday, February 8<sup>th</sup>.
- The Traffic Study will need to be revised to include additional LOS and Queuing scenarios at the study area intersections where the vehicle trip budget has been applied to the site generated traffic volumes.

**INTRODUCTION**

- Please revise the study to discuss the information contained in the study will also be used by city staff to develop a vehicle trip budget for the project and identify transit, bicycle, and pedestrian

improvements to improve multi-modal connectivity between the project and the various CU campuses and residential facilities.

#### **PROJECT DESCRIPTION**

- Revise the study to include a signal warrant analysis for the proposed project access at State Highway 93. A signal warrant analysis must be completed before and after the vehicle trip budget is applied to the intersection.
- This section of the study includes a statement that tertiary access into the site will be provided from Tantra Drive but does not provide any additional details what the tertiary access represents. Please clarify.

#### **TABLE MESA DRIVE @ US36 NORTHBOUND ON-RAMP**

- Please revise the study to include a Conceptual Horizontal Layout Plan that demonstrates the feasibility of constructing the improvements being recommended for the intersection.
- Please revise the study to include a discussion on how the recommended improvements at this intersection with impact bicycle and pedestrian mobility through the intersection.

#### **BROADWAY AT TABLE MESA DRIVE**

- Please revise the study to include a Conceptual Horizontal Layout Plan that demonstrates the feasibility of constructing the improvements being recommended for this intersection.
- Please revise the study to include a discussion on how the recommended improvements at this intersection with impact bicycle and pedestrian mobility through the intersection.

#### **QUEUING ANALYSIS – TABLE MESA DRIVE AT LOOP DRIVE / US-36 SOUTHBOUND OFF-RAMP**

- Please revise this section of the traffic analysis to include a discussion of how vehicle queuing at the study intersections will result in motorists using neighborhood streets rather than wait to travel through the study intersections.
- Please revise the study to include a Conceptual Horizontal Layout Plan that demonstrates the feasibility of constructing the improvements being recommended for the intersection.

#### **FIGURE 1**

- Revise Figure 1 to include only the study area and label the boundaries of the study area consistent with the description provided in the study's introduction.

## **FIGURE 2**

- Revise Figure 2 to replace “Tantra Dive” with “Table Mesa Drive” in the description of the intersection.
- Revise Figure 2 to label the Tantra Drive access point.

## **FIGURE 7**

- Please clarify why site generated traffic volumes were not assigned to Tantra Drive given that Tantra Drive will provide limited access into the site.

## **FIGURE 9**

- Revise Figure 9 to show the existing State Highway 93 right-of-way at this location and the need to acquire additional right-of-way to accommodate the new intersection.
- Revise Figure 9 to demonstrate the new intersection can accommodate a future traffic signal without the need to acquire additional right-of-way.
- Revise Figure 9 to show the length of the retaining wall being proposed and provide a separate figure that includes a cross-section of the highway that shows the location of the retaining wall.
- Revise the preliminary design to show shoulders being provided on State Highway 93 and the acceleration lane meeting the standards contained in the CDOT Access Code.
- Revise Figure 9 to show the installation of a luminaire at the intersection.
- Revise Figure 9 to demonstrate the intersection meets the CDOT State Highway Access Code standards for horizontal and vertical sight distance.
- Revise Figure 9 to show the clear zone width being provided on State Highway 93 at the new intersection and how it meets the CDOT standards for clear zone or if mitigation is being recommended.