



COLORADO

Department of Transportation

Region 2 - Permits
5615 Wills Blvd.
Pueblo CO 81008

August 25, 2020

SH 24G
El Paso County

Petra Rangel, Project Manager
El Paso Planning & Community
Development
2880 International Circle
Colorado Springs, CO 80910

RE: Liberty Tree Academy Site Dev Plan - PPR2018 - Traffic Comments 07.07.2020

Dear Petra,

I am in receipt for review comments for Liberty Tree Academy a public charter elementary school. The school sites on 3.4-acres of a 10.7-acre parcel, phase I was with classroom occupancy of 540 students and Phase II will increase that by 200 students. The development will consist of adding a two-story addition, the proposed addition will be 14,075-sqft bringing the total sqft to 53,451. This addition will also add parking stalls (85) with paving, light and ped accomidations with sidewalk, curb and gutter. The site is west on Eastonville Rd at the intersection of Eastonville Rd/Motley Rd off of SH24G and Judge Orr Rd in El Paso County. Our comments are as follows;

CDOT Access Dept. comments are as follows:

- a. A State Highway Access Permit may be required by El Paso County for Judge Orr Rd. with connection to SH24G as it pertains to bullet point (d) below and El Pso Counties determination of change in use for this development and additional development along this roadway. Detailed comments below will be incorporated into the requirements under the Access Permit.

CDOT Traffic Operations Eineer has reviewed the Traffic Memo dated April 7, 2020 by Matrix Design Group, Inc. Their comments are as follows:

- a. For information only please note the trip distribution is fundamentally flawed. Eastonville Rd North of Stapleton does not constitute 91% of site traffic to/from the north. There is no way Stapleton Dr. west of Eatonville is only impacted with 1% of site traffic. Based on existing development, a predominance of traffic to/from residential generators would be from the west. Traffic to/from employment centers would be to/from the south and east. Looking at the implied existing traffic volumes at Eastonville Rd and Judge Orr Rd, daily traffic travels 2:1 east versus south in the AM with a similar return pattern in the PM.
- b. CDOT estimates from the implied, existing traffic pattern that 15% of trip generation travels through the intersection of Hwy 24 & Judge Orr Rd. The combined Phase 1 & Phase 2 development generates 456 vehicles per day (228 in & out) at the intersection. The estimated 2019 ADT of Judge Orr west of Hwy 24 is 3024. **A State Highway Access Permit would not be required for the change in use per State Highway Access Code §2.6(3).**
- c. For information only please note the AM peak would generate 98 vehicles per hour at the intersection, (54 vph in & 44 vph out). The traffic study will not be required to include the intersection of Hwy 24 & Judge Orr Road (SHAC §2.3(5)(a)).
- d. Applying 60% of generated traffic at Hwy 24 & Judge Orr Rd to the southwest on Hwy 24 (SHAC §2.3(4)(g)), the additional peak-hour eastbound right turn movement would be 76 vehicles per hour. The State Highway Access Category for Hwy 24 at Judge Orr is Category E-X. The State Highway Access Code §3.7(4)(c) requires installation of right turn acceleration lane for any



access with a projected right turn volume greater than 10 vehicles per hour. This requirement reverts to El Paso County (SHAC §2.6(6)) when it is determined that a change in use has occurred to implement the addition of the right turn lane.

CDOT Hydraulics Engineer has reviewed the Final Drainage Report dated April 13, 2020 by Matrix Design Group, Inc. Their comments are as follows:

- a. Development infrastructure is far enough away from CDOT facilities and pose no impacts to CDOT infrastructure. No further comments are necessary.

Additionally,

- a. On-premise and off-premise signing shall comply with the current Colorado Outdoor Advertising Act, sections 43-1-401 to 421, C.R.S., and all rules and regulations pertaining to outdoor advertising. Please contact Mr. Todd Ausbun at (719) 696-1403 for any questions regarding advertising devices.
- b. Any utility work within the state highway right of way will require a utility permit from the CDOT. Information for obtaining a utility permit can also be obtained by contacting Mr. Ausbun.

Please contact me in Pueblo at (719) 546-5732 or (719) 248-0905 with any questions.

Sincerely,

Arthur Gonzales
R2 - Access Manager

Xc: Irvine/Rice - El Paso County
Ferguson
Bauer
Stecklein/Lyons
Whittlef/Biren
Sword/Regalado/file

