

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

August 4, 2020

Terry O. Brown P.E.
PO Box 92051
Albuquerque, NM 87199

**Re: Sonata Apartments
Paseo del Norte at Universe
Traffic Impact Study
Dated July 27, 2020 (HT#C10D001A)**

Dear Mr. Brown,

I have reviewed the initial Traffic Impact Study submittal for the Sonata Apartment development. I have the prepared comments, observations and recommendations. Please resubmit the study addressing the following.

1. Area Street Network: Include a drawing of the street network being described. Include the intersection geometry. This will help in crosschecking the descriptions and tables.
2. Intersection #1 Paseo del Norte/Universe Blvd., page 7, the 2022 PM build has the 2022 AM build traffic in this table, correct this. The Synchro model is missing the WB to NB movement at PDN and Universe. The model shows a combination through-right turn lane. Correct the Synchro model adding the WB right turn movement on Paseo del Norte. The WB to NB right turn is a yield condition with ~125 feet of storage.
3. Intersection #1 Paseo del Norte/Universe Blvd., page 7, Paseo del Norte at Universe 2022 build, what is the timing plan? Is the timing associated with other intersection and coordinated? Will the City's Traffic Op's accept this plan? Is there a plan to improve the corridor?
4. Paseo del Norte at Universe. The queuing is excessive in the no-build and build. Intersection/roadway improvements are needed to mitigate this problem. This may be a global problem to be addressed thorough long-range planning road infrastructure.
5. Unser at Rainbow, page 12. How is the NB left at Unser/Rainbow queue for the 2022 build shorter than the no-build?
6. Northbound Universe at Paseo del Norte. Turn lane minimum requirements from the DPM. Right turn lane for 35 MPH should be 240 feet storage with 300'-150' transition.
7. At Tree Line and Universe construct median break on Universe with left turn storage 75 feet long with 300'-150' transition northbound and southbound.
8. The turning movement diagrams in the appendix need definition of the meaning of the (#). Are these PM or AM. Also, crosscheck the AM and PM traffic volumes. Some appear to me reversed. See page A-36 as an example.

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I am attaching a spreadsheet for the Paseo del Norte and Universe intersection 2022 AM and PM build and no-build traffic volumes a by movement. Verify the volumes shown and the modeling. It looks like there is an error on the page 7 table and the Synchro model.

Recommendations:

Modify by adding to the recommendations accordingly.

- At Tree Line construct median break on Universe with left turn storage 75 feet long with 300'-150' transition northbound and southbound.
- Northbound Universe at Paseo del Norte right turn storage length of 240' with 300'-150' transition length.

If you have any questions, please contact me at (505) 924-3633.

Sincerely,

PO Box 1293

Albuquerque

Matt Grush, P.E., PTOE
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