

Traffic Engineering, Transportation Planning & Design

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July 7, 2020

Mr. Joseph McElwee
Capitol Seniors Housing
1275 Pennsylvania Avenue
NW 2nd Floor
Washington, DC 20004

(via email: joe.mcelwee@cshpe.com)

Re: **Traffic Response and Supplemental Analysis
CSH Assisted Living – Pascack
Block 2202, Lot
Pascack Road (CR 63)
Washington Township, Bergen County, NJ
SA Project No. 19130-A**

DRAFT

Dear Joe:

In response to our recent conversations and comments raised during the recent Washington Township Zoning Board meeting on June 16, 2020, and in order to address comments in the June 12, 2020 Azzolina & Feury Engineering, Inc. review letter, Shropshire Associates, LLC has prepared a brief point-by-point response and supplemental analysis letter. The data and response contained in this report are to supplement the information provided in our previously submitted Traffic Engineering Assessment report dated January 15, 2020 for the above-referenced assisted living facility.

Washington Avenue and Pascack Road Intersection

As raised during the recent June 16, 2020 Washington Township Zoning Board meeting, and based upon our recent conversations with Bergen County's engineering design consultant for the project, the proposal is for significant improvements and capacity upgrades of the existing Washington Avenue (CR 502) and Pascack Road (CR 63) signalized intersection. Based upon information provided to our office and the Township, the improvements will include the following.

- Widening the eastbound Washington Avenue approach to provide one (1) dedicated left-turn lane, one (1) dedicated through lane, and one (1) shared through/right-turn lane.
- Widening the westbound Washington Avenue approach to provide one (1) dedicated left-turn lane, one (1) dedicated through lane, and one (1) shared through/right-turn lane.
- Widening the northbound Pascack Road to provide one (1) dedicated left-turn lane, one (1) dedicated through lane, and one (1) dedicated right-turn lane.

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- Widening the southbound Pascack Road to provide one (1) dedicated left-turn lane, one (1) dedicated through lane, and one (1) dedicated right-turn lane.

In addition, the preliminary design includes the implementation of a new four (4) phase semi-actuated traffic signal operation with a 90-second background cycle length during the weekday AM and weekday PM peak hours. Based upon our preliminary conversations with the County, the anticipation is the final construction will be completed in 2021.

Operational Analysis

The request was made during the June 16, 2020 Zoning Board meeting to provide an updated analysis of the Washington Avenue/Pascack Road under the future No-Build and Build scenarios with the improvements currently being contemplated by the County.

The updated intersection design has been analyzed using the No-Build and Build scenario peak hour volumes in the January 15, 2020 Traffic Engineering Assessment. The updated No-Build and Build levels of service are shown on the attached Figure 1, with the updated Synchro worksheets attached for your review. A brief summary of the intersection's future operations under the No-Build and Build scenario conditions with the proposed intersection improvements is provided below.

Washington Avenue (CR 502) and Pascack Road (CR 63) Intersection

Under the No-Build conditions, the Washington Avenue/Pascack Road signalized intersection will operate at an overall LOS C during both the weekday AM and weekday PM peak hours. In addition, the eastbound and westbound Washington Avenue individual movements will all operate at a LOS D or better during both peak hours with the exception of the eastbound Washington Avenue left-turn movements, which will operate at a LOS E during the weekday PM peak hour. In addition, the northbound and southbound Pascack Road individual movements will operate at a LOS C or better during both peak hours, with the exception of the southbound through movements, which will operate at a LOS D during the PM peak hour.

In the Build scenario, the traffic resulting from the proposed assisted living facility will cause no changes to the individual or overall levels of service during the weekday AM and weekday PM peak hours at the future Washington Avenue/Pascack Road signalized intersection. All individual movements will continue to operate at No-Build levels of service during both the weekday AM and weekday PM peak hours. In addition, the intersection will continue to operate at an overall LOS C during both peak hours.

Azzolina & Feury Engineering, Inc. – June 12, 2020 Review Letter

The following responses corresponded to the highlighted comments under Section V. Traffic Study in the June 12, 2020 engineering review letter.

- i. Agreed. No further response required.
- ii. Agreed. Final approval from Bergen County will be required for the proposed site driveway along southbound Pascack Road.
- iii. No further response required.

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Should you have any questions or require any additional information, please feel free to contact us.

Sincerely,
Shropshire Associates LLC

Nathan B. Mosley, P.E., C.M.E.
Senior Project Manager

NBM/jab
Attachments

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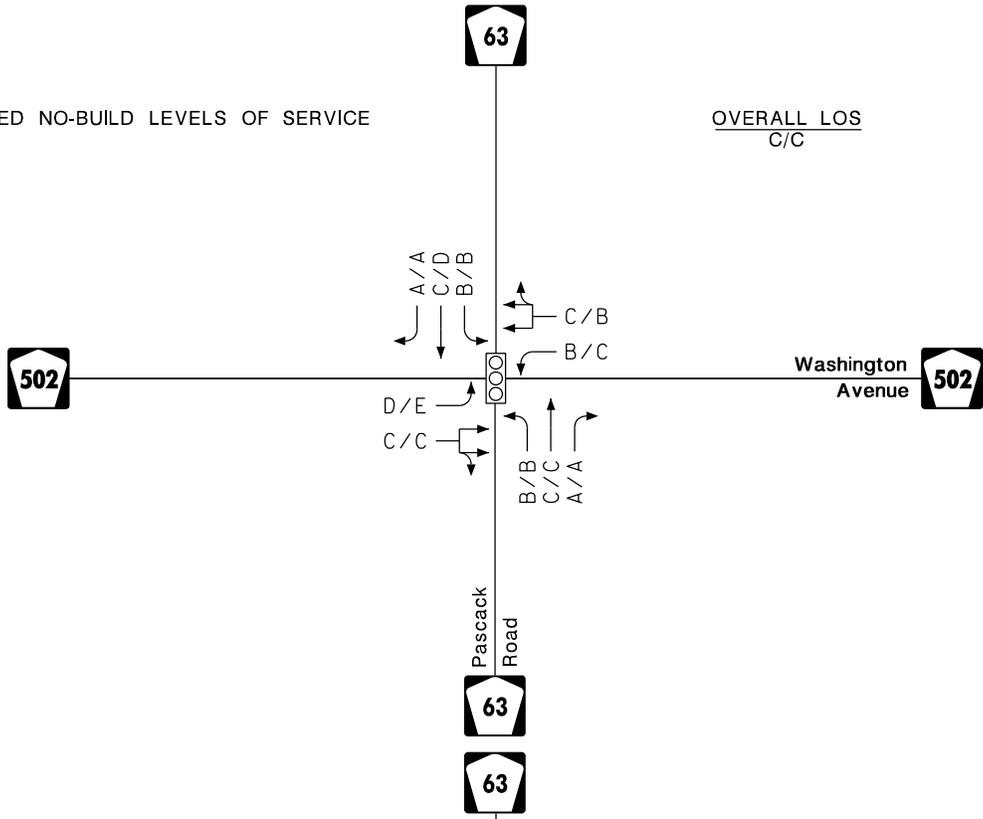
Shropshire Associates LLC

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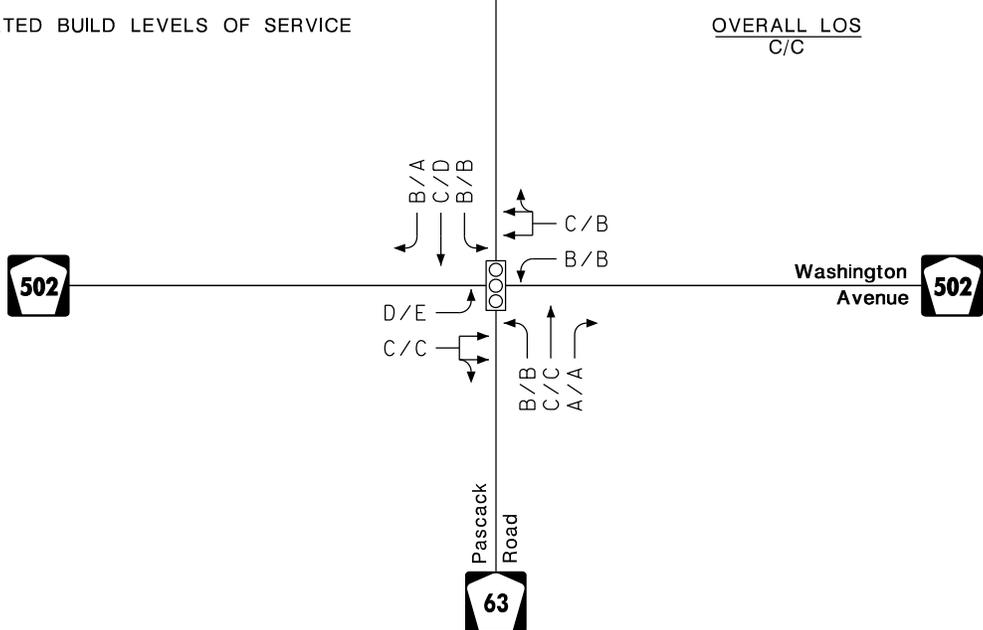
UPDATED NO-BUILD LEVELS OF SERVICE

OVERALL LOS
C/C



UPDATED BUILD LEVELS OF SERVICE

OVERALL LOS
C/C



CSH - Pascack

Washington Township, Bergen County, New Jersey
 July 2020

 TRAFFIC SIGNAL
 AM/PM PEAK HOUR