

November 20, 2024

VIA EMAIL

Ed Sieben
Director of Planning and Zoning
City of Aurora
77 S. Broadway
Aurora, IL 60505
SiebenE@aurora.il.us

RE: EOLA PRESERVE – 620 NORTH EOLA ROAD (23.447)

Dear Mr. Sieben,

Below, please find a comprehensive summary of data presented at the City Council meeting on November 12, 2024:

Date of Traffic Study

Traffic counts were conducted in July and on December 20, 2023. Petitioner confirmed District 204 was in session during the December 20th counts. Please note, the peak load associated with school traffic generally occurs before the peak morning and evening hours on Eola Road.

Warrant Analysis

Nine stop light warrants were evaluated. Two of the warrants included the 8-hour and 4-hour volume warrants. Under the 8-hour volume analysis, Waterstone would need to meet a minimum threshold of 100 vehicles per hour for 8 hours. Under the 4-hour analysis, Waterstone would need to meet a minimum threshold of 80 vehicles per hour for four hours. After the development, Waterstone's peak volume is expected to be 27 vehicles per hour. The intersection would need approximately 4 times the traffic volume to come close to satisfying a warrant.

Crash Data

A 5-year period (2019-2023) of crash data was evaluated. During that time, there were 26 crashes at this intersection. This averages to about 5 crashes per year. Zero crashes were fatal and zero crashes were the result of turning movements. In 2024, there have been 3 crashes at this intersection. Zero were left turns.



Wait Times

Petitioner's traffic engineer re-evaluated the video associated with the traffic study to understand wait times at the Waterstone and Eola intersection. From 7-9am, there were a total of 10 left turns out of Waterstone onto Eola. That equates to one car every 12 minutes. One turn took 1 minute and 14 seconds. The rest of the turns occurred in under one minute. The average wait time was 29 seconds. From 4-6pm, there were a total of 6 left turns onto Eola Road. This equates to one car every 20 minutes. The longest wait time was 2 minutes and 8 seconds. The shortest wait time was 19 seconds and the average wait time was 68 seconds.

The Development is only expecting traffic to increase to one car every 4 minutes in the peak morning hour and one car every 8 minutes in the peak evening hour.

Please do not hesitate to call me with any questions.

Sincerely,

A handwritten signature in black ink that reads 'Caitlin E. Csuk'. The signature is fluid and cursive, with the first name 'Caitlin' and last name 'Csuk' being more prominent than the middle initial 'E'.

Caitlin E. Csuk
Rosanova & Whitaker, Ltd.
Attorney for the Petitioner

cc:

Tracey Vacek
Brian Witkowski
Russell Whitaker
John McHale