

October 27, 2023

Attention: Ms. Connie DeBoever  
Nautilus Botanicals  
49 Quinnipiac Avenue  
North Haven, CT 06473

SLR Project No.: 141.21623.00001

**RE: Traffic Study Addendum  
1110 East Main Street, Stamford, Connecticut**

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Dear Ms. DeBoever,

At your request, SLR International Corporation (SLR) has reviewed data from the Connecticut Department of Transportation (CTDOT) along U.S. Route 1, and the hourly transaction data provided for Nautilus Botanicals, to determine the appropriate analysis period for this site located at 1110 East Main Street in Stamford, Connecticut. Specifically, we were asked if perhaps an earlier afternoon peak, associated with Rogers International School dismissal and afternoon activity at Chelsea Piers, would necessitate an analysis period earlier than the afternoon commuter peak hour, which was analyzed as part of our June 1, 2023, Traffic Study.

First, we reviewed CTDOT hourly traffic data that was collected pre-pandemic on U.S. Route 1, west of Standish Road. These counts were increased to 2023 levels based on a comparison of the hourly counts made as part of the traffic study. The increase was approximately 10 percent. The graph of the hourly data is shown in **Figure 1**.

As shown, traffic in this area peaks between 4:00 p.m. and 6:00 p.m. These are shown on the graph as green bars. Rogers International School dismisses at 3:25 p.m. The U.S. Route 1 traffic volume is eleven (11) to sixteen (16) percent lower at that time. This is shown as the yellow bar on the graph.

The second part of the equation in determining the critical analysis period, is the hourly characteristics of the site, in terms of traffic generation. To illustrate this, we received hourly data of transactions, by hour and by day of week, for a surrogate facility operated by Nautilus Botanicals for a six-plus month period through October 23, 2023. The average hourly variations were applied to this site traffic generation estimates. This is shown in **Figure 2**.

As shown, this use peaks in the evening, in the 6:00 p.m. to 7:00 p.m. period (green bars). During dismissal time of Rogers International School, the expected traffic to/from this site is about 86 percent of peak. This is shown in yellow on the graph.

In our June 1, 2023, Traffic Study we analyzed the peak of the site traffic and the peak of U.S. Route 1 traffic. Since traffic is lower on U.S. Route 1, as well as slightly lower into and out of the site in the 3:00 p.m. to 4:00 p.m. hour, operations in terms of level of service (LOS) and the impact of the site traffic, would be the same, or be less.

In conclusion, while the number of transactions is relatively consistent onsite between 2:00 p.m. and 7:00 p.m. (albeit slightly lower), the measurable increase in vehicles on East Main Street between 4:00 p.m. and 6:00 p.m. confirms this time period was correctly analyzed. Therefore,

the impact of this project was appropriately evaluated and an earlier analysis period which coincides with dismissal at Rogers International School would not yield a different, more significant impact, than those calculated in our June 1, 2023, traffic study.

We hope this Addendum is useful to you and the City of Stamford. If you have any questions or need anything further, please do not hesitate to contact either of the undersigned.

Regards,

**SLR International Corporation**



**David G. Sullivan, PE**  
U.S. Manager of Traffic & Transportation Planning  
[dsullivan@slrconsulting.com](mailto:dsullivan@slrconsulting.com)

Attachments

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**Figure 1: 2023 Estimated Hourly Traffic Volumes -  
US Route 1 West of Standish Road**

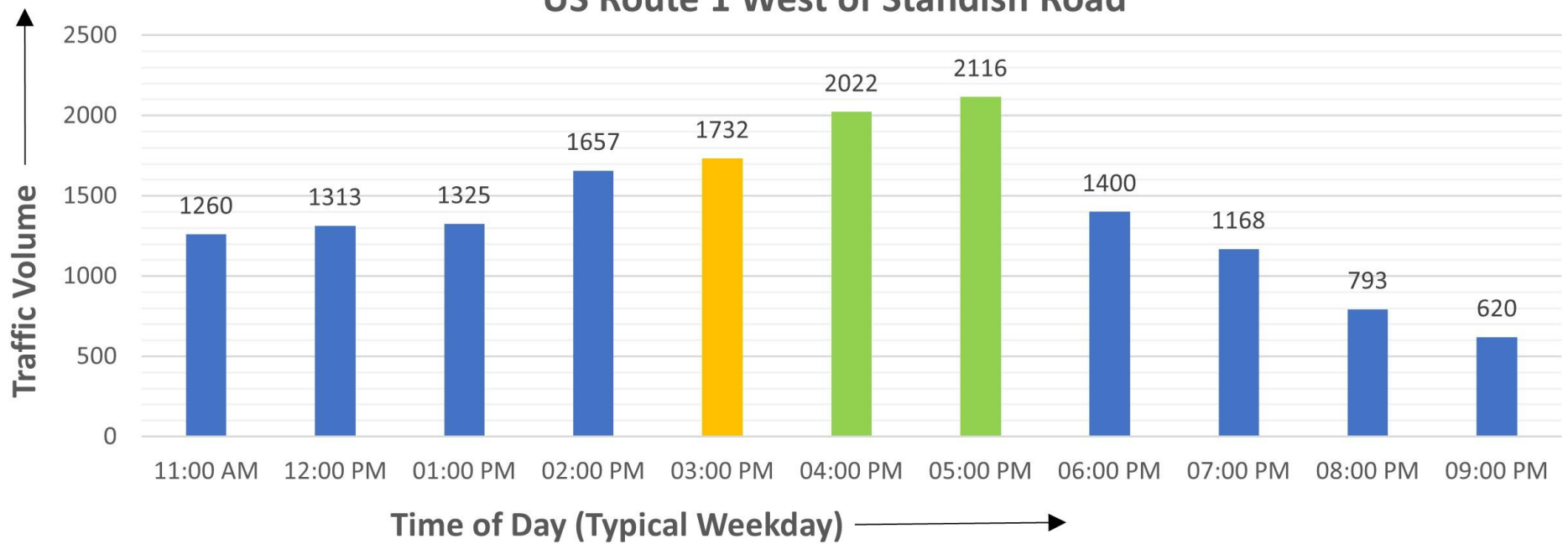


Figure 2: Hourly Transaction Trends - Nautilus Botanicals

