



City Council Follow-Up Report From the December 21, 2020 Zoning Meeting

2020-139 – Red Cedar Capital Partners – Located along the west side of Browne Road, east of Sweetbriar Ridge Drive, and north of Hucks Road. (Council District 4- Johnson)

Provide traffic data for the intersection of Hucks Road and Browne Road, and the intersection of Hucks Road and Old Statesville Road (NC 115). Are there any traffic studies of these intersections?

Staff Response: Rezoning Petition 2020-139 is a conventional rezoning case. With a conventional rezoning petition, a site plan is not submitted for review. It is important to note that Rezoning Petition 2020-139's trip generation is estimated at 430 daily vehicle trips for the entitled development under the current zoning. The proposed rezoning is expected to have a trip generation of 560 daily vehicle trips; neither of these trip generation numbers trigger a traffic study, per the City's Traffic Impact Study (TIS) Guidelines.

There is currently a TIS under review that includes the Hucks Road/Old Statesville Road intersection, under a separate active rezoning case.

As supported by the data below, the signalized intersection of Hucks Road and Browne Road experiences minimal delays and operations at an acceptable level of service. The unsignalized intersection of Hucks Road and Old Statesville Road (NC 115) is over capacity and experiences long delays and extensive queues, or vehicular back up, along westbound Hucks Road waiting to turn onto Old Statesville Road. There is a future NCDOT STIP project (STIP U-5772) to widen Old Statesville Road, realign Hucks Road, and signalize the intersection to ease congestion and provide safety enhancements.

Below is a summary of readily available traffic data requested:

- Hucks Road & Browne Road Intersection
 - AM Peak Hour – Level of Service B; 15 second of delay
 - PM Peak Hour – Level of Service B; 12 seconds of delay
- Hucks Road & Old Statesville Road (NC 115)
 - The Highway Capacity Manual (guide for Level of Service) does not provide guidance for unsignalized intersection Level of Service.
 - Instead, we are reporting the Level of Service and delay for the approach to the intersection – westbound Hucks Road approaching Old Statesville (NC 115).
 - AM Peak Hour – Level of Service F; 528 second of delay (8.8 minutes)
 - PM Peak Hour – Level of Service F; 2,498 second of delay (41 minutes)