



January 26, 2023

**Chris Cloyde, PE, CFM (City Engineer)
City of Jenks, OK**

Please accept this letter as documentation of our traffic study at an existing 7-Brew site of similar size and location to the proposed 7-Brew site at the intersection of 9th Street and Main Street in Jenks, OK. The existing 7-Brew site is located in Rogers, Arkansas.

The site was observed from 7:00 AM-9:15 AM. During this time, the peak 2-hour period of operation was observed with an arrival rate of 60 vehicles/hour. The peak hour occurred between 8:00 AM-9:00 AM, with an arrival rate of 61 vehicles/hour. The peak 15-minute period occurred from 7:15 AM-7:30 AM, with a total vehicle count of 22 occurring in that 15-minute period.

During the 2-hour peak period, the average observed queue was 5 vehicles. The maximum observed queue occurred at 8:55 AM with 14 vehicles in the queue. The average process time for the peak 15-minute interval was 5 minutes and 31 seconds. The average process time for the peak hour was 5 minutes and 55 seconds. The average process time for the full observation period was 5 minutes and 15 seconds. The average process time consists of the time it takes from the arrival of a vehicle in the queue to the time the vehicle leaves the site.

The proposed 7-Brew location at Jenks can handle 24 vehicles stacked in line before spilling into the intersection. This is nearly double the maximum observed queue of 14 at the location in Rogers, AR. Based on our observed data and stacking information provided by 7-Brew Corporate, the proposed project in Jenks is satisfactory to hold traffic within the property, with a substantial safety buffer.

Respectfully,
Josh Thomas

TMG Construction Management

