Staff Memo
A message from Joseph Kelly, Sr. Engineering Tech

Date: October 18, 2022
To: Bryan Robinson, Juan Rojas
From: Joseph Kelly, Sr Engineering Tech, Engineering-Technical Services
Re: ATV Route Counts

ATV Route Counts

After Council passed a pilot program to allow ATVs to travel a route through select urban roads, Engineering–Technical Services staff were directed though Management to perform counts along the route in Lindsay. Staff deployed counters near the north and south trailheads on Angeline St N, and Logie St, as well as the midpoint of the route along Elgin St.

In order to get a wide representation of typical days and weekends, the counters were left to collect data for 2.5 weeks (May 27 to June 13, 2022). Unfortunately, it was found that the counter on Angeline St N failed early in the count rendering the data completely corrupt. Data from the remainder two locations were intact, leaving a generally good representation of the route usage as a whole.

Filter Criteria

In order to separate ATV counts from other vehicles, especially motorcycles, it was decided to use a wheelbase filter of <= 1.3m. A typical motorcycle has a wheel base from 1.27m to 1.78m while a typical ATV has a wheelbase of 1.27m or smaller. It can be assumed that by using this criteria a few very small motorcycles have been counted and a few very large ATVs have been missed. It is reasonable to expect a wash between the two thereby keeping the data integrity uncompromised at least for the purpose of this count.

Results

Table 1 shows the results of the count averaged by a day of the week. It was found that the trail head at Logie St experiences more ATV volume than the midpoint of the route. This could be explained if there was a rough usage split of 60/40 for in-town ATVs traveling to the trailhead compared to using the route as a connecting link between the two trailheads. Although the Angeline St N data is corrupted, it is reasonable to assume it would also have elevated usage compared to the midpoint of the route as well.

Table 1 – ATV Count Results

Day	Logie St @ trailhead Avg Number of ATVs	Elgin St @ midblock Avg Number of ATVs
Mon	16	7
Tue	6	4
Wed	6	8
Thu	6	8
Fri	6	7
Sat	14	9
Sun	24	7
Avg Daily	**11**	**7**