

Reeve & Associates, Inc.

September 8, 2021

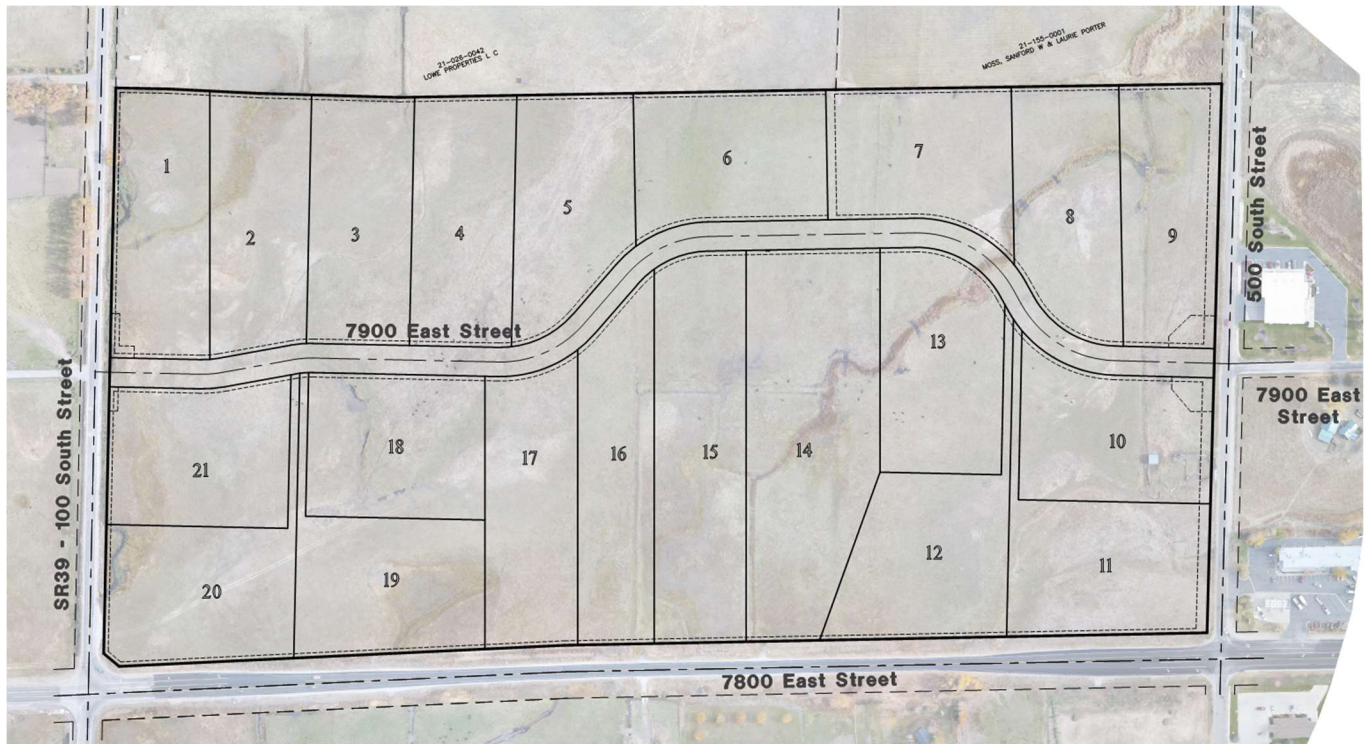


David Alger
Region 1 UDOT
166 Southwell St, Ogden, UT 84404

Project: Sage Development
Subject: Trip Generation Letter
Reeve Job Number: 7562-01

In order to support the Sage development, Reeve and Associates has prepared this trip generation letter. The purpose of this letter is to assist UDOT in present and future traffic planning. The proposed development is to be located in Huntsville Town, Utah. Access to the site will be achieved by connecting 7900 East Street to SR39 - 100 South Street (owned by UDOT) and 500 South Street (owned by Weber County). See Figure 1 for a layout and vicinity map for the subdivision.

Figure 1 – Sage Development Layout and Vicinity Map, Huntsville, UT.



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The number of trips generated from the subdivision is determined using ITE's (Institute of Transportation Engineers) 10th Edition Trip Generation Manual for Single-Family Detached Housing (Land Use: 210). For this land use, the trips generated per hour per house are 0.76 trips in the AM peak hour and 1.00 trips generated in the PM peak hour.

The proposed development will have 21 total lots. The proposed trip generation based on the total lots is 16 trips per hour during the AM peak hour and 21 trips per hour during the PM peak hour. It is estimated that 90% of generated traffic in the subdivision will utilize the 500 South Street and 7900 East Street intersection to enter and exit the development.

This assumption is made due to the long queues and congestion along SR39 during events and holiday weekends. It is also assumed that the residents in the proposed development will utilize the 500 South Street and 7900 East Street intersection for upper valley access.

ITE suggests 26% of the generated traffic will be entering the site and 74% will be leaving the site in the AM. ITE suggests 64% of the generated traffic will be entering the site and 36% will be leaving the site in the PM. It is concluded that the proposed development will generate 4 trips per hour entering and 12 trips exiting during the AM peak hour, and 13 trips per hour entering and 8 trips exiting during the PM peak hour. See Table 5 below for the trip generation breakdown.

Table 1 – Sage Development Trip Generation (Single-Family Housing AM/PM)

<i>Peak Hour</i>	<i>Generated Trips/Peak Hour</i>	<i>Trips Entering</i>	<i>Trips Exiting</i>
<i>AM Peak</i>	<i>16</i>	4	12
<i>PM Peak</i>	<i>21</i>	13	8

We hope that the information provided is sufficient to aid in the development of Sage. If you have any questions, or we can be of further assistance, please let us know.

Sincerely,

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