



March 13, 2025

Gary Myers, Weber County Engineer
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Project: Brook View
Subject: Traffic Generation Letter
Reeve Job Number: 8065-04

In order to support the development of the Brook View, Reeve and Associates has prepared this traffic generation letter. The purpose of this letter is to assist Weber County in the consideration of the approval of the Brook View subdivision. It is proposed that access to the site will be achieved by utilizing two proposed connections to 1400 S.

Brook View Traffic Generation

The number of trips generated from the development is determined using ITE's (Institute of Transportation Engineers) 11th Edition Trip Generation Manual for Single-Family Detached Housing (Land Use: 210). The number of lots/units was used to generate the total number of trips. The trips generated during a peak-hours are shown in Table 1 below.

Using the directional distribution from the ITE manual, the total number of trips can be broken down into vehicles entering and exiting during the P.M. peak hour on a weekday. See Table 1 for the trip breakdown.

Table 1 – Entering and Exiting Trips.

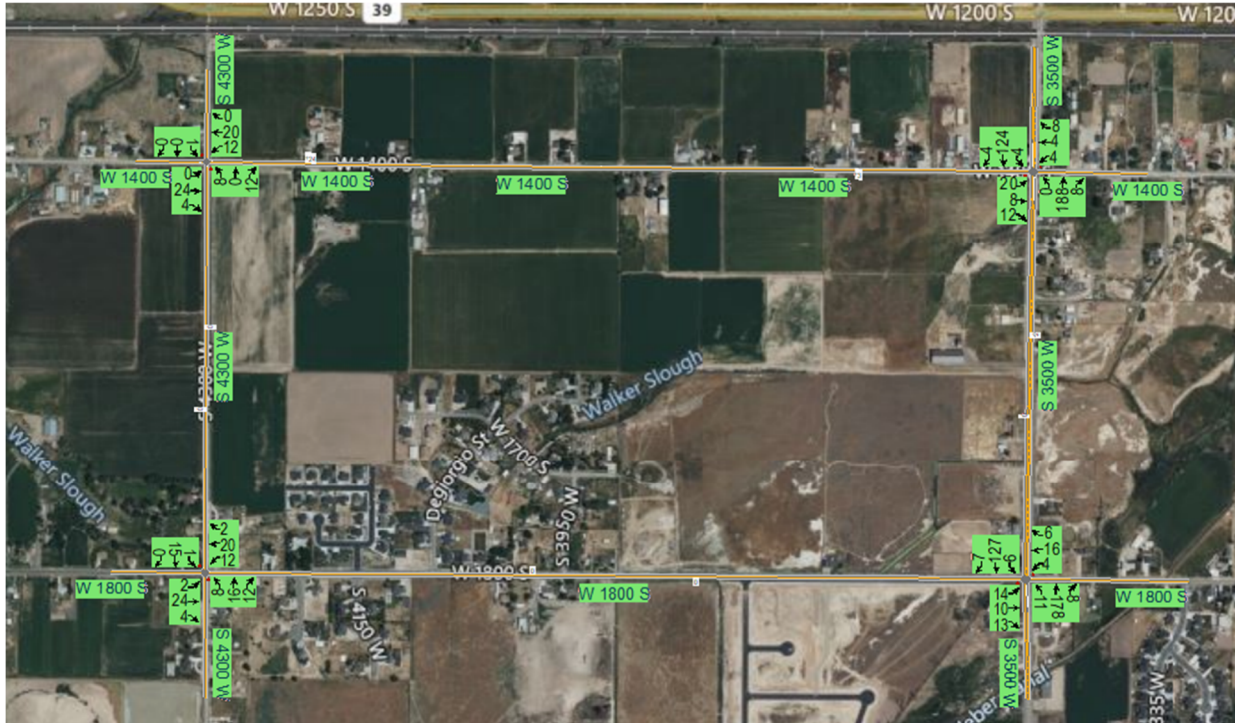
<i>Peak Hour</i>	<i>Generated Trips</i>	<i>Entering %</i>	<i>Exiting %</i>	<i>Trips Entering</i>	<i>Trips Exiting</i>
<i>A.M.</i>	<i>82</i>	<i>26</i>	<i>74</i>	<i>21</i>	<i>61</i>
<i>P.M.</i>	<i>110</i>	<i>63</i>	<i>37</i>	<i>69</i>	<i>41</i>

The distribution of the proposed trips has been applied to a synchro model using the applied trips to the AM peak hour. These distributions can be seen in the figures below. It is assumed that the two proposed accesses on 1400 S will serve about 75% of the trips and that the remaining 25% will utilize the accesses onto 4300 W and 1800 S through the connected subdivisions.

As a condition of development, the subdivision will be widening the south half of 1400 S to meet the standards of the 66' County Road Cross Section to include curb, gutter, and sidewalk along the project frontage. From the east property line of the development east to 3500 W, the development will widen the existing asphalt section of 1400 S from it current width of ~22' to 26'.



Figure 1 – Existing Traffic



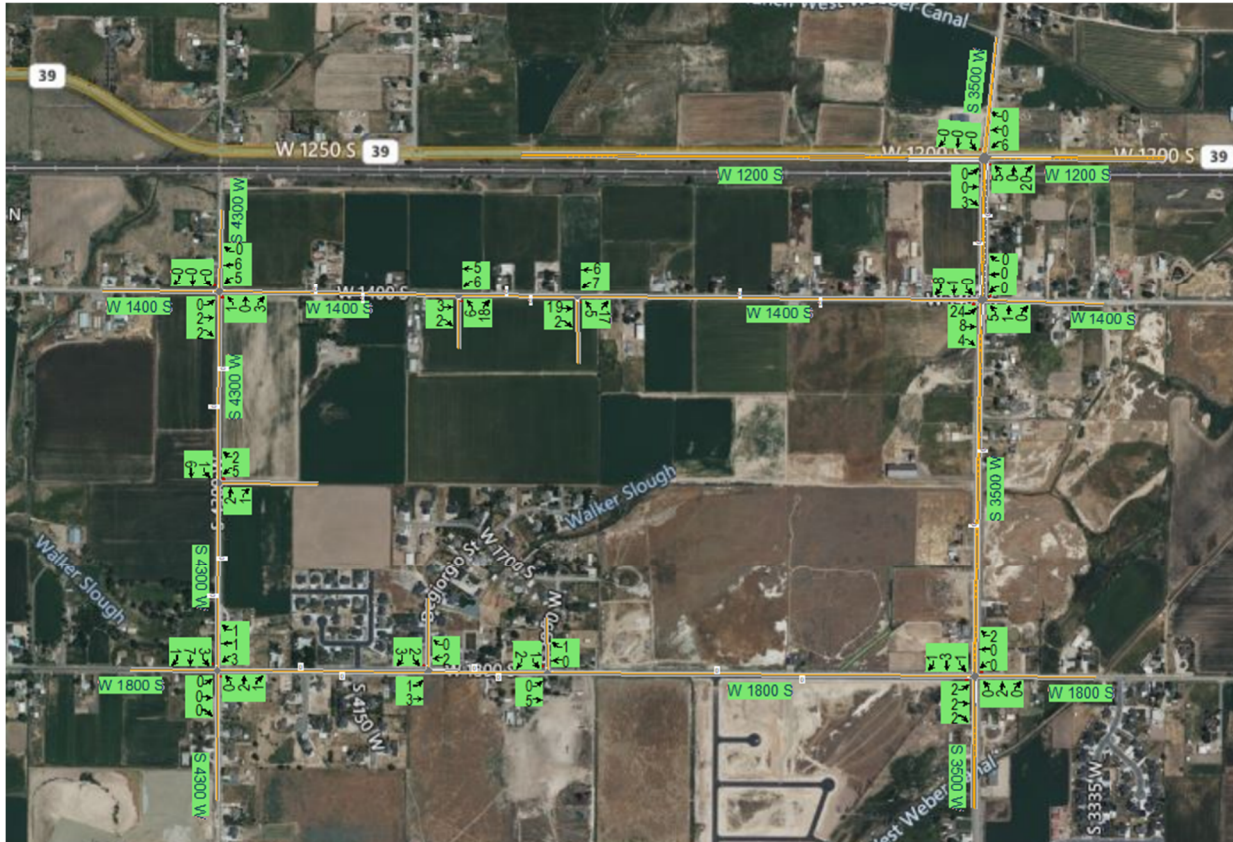
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Figure 2 – Proposed Distribution



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It is Reeve and Associates' professional opinion that the proposed Brook View subdivision will have no additional impact to the surrounding road network because of the low traffic volume on 1400 S. It is expected that the proposed accesses will be sufficient to serve those utilizing the development. We hope that the information provided is sufficient to aid in the development of the Brook View subdivision. If you have any questions, or we can be of further assistance, please let us know.

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