



BRAINTREE DEPARTMENT OF PUBLIC WORKS

85 QUINCY AVE, BRAINTREE, MA 02184

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06/16/2023

GRANITE PARK NEIGHBORHOOD – TRAFFIC CALMING SURVEY

Following the neighborhood public meeting held in March, Mayor Kokoros and the Braintree Department of Public Works are soliciting resident feedback on the implementation of certain traffic calming measures in the Granite Park Neighborhood. Since the meeting, the Engineering Division has performed more traffic counts in the neighborhood to help inform residents. The traffic data is included in this package for your review. A brief summary of the data is as follows and the traffic data can be found on the town website with the following link: <https://braintreema.gov/881/Granite-Park>

- Based on current weekend versus weekday data, commuter cut-through traffic does not appear to be as prevalent as compared to the 2019 (pre-covid) data
 - o Commuter cut-through traffic from West Street in both the morning and evening peak hours appears to be minimal.
 - o Commuter cut-through traffic from Granite St. is more prevalent, particularly in the evening peak hours. However, in the worst case it appears to be on the order of 30 additional cars per hour (which translates to approximately one additional car every 2 minutes)
- The current data shows that the 85th percentile speeds in the neighborhood are slightly higher than the regulatory speed limit of 25 MPH. While the data is only captured at one specific location, the speeds on Addison Street do appear to be somewhat lower than other streets in the neighborhood, likely due in part to the placement of temporary speed humps.

At this time, we are conducting a neighborhood survey to help understand what level of traffic calming measures residents are interested in implementing. Please fill out the attached survey to indicate your preferences (one survey per address, please). You may use the link below or scan the QR code with your phone to access the survey. We understand that some residents are strongly in favor or strongly opposed to certain traffic calming measures. As such, nothing will be implemented unless the responses clearly indicate an overwhelming majority.

We are happy to report that we are proceeding with formalizing a commercial truck restriction for the neighborhood, which will be implemented as soon as possible.

If you are unable to access the online survey, or if you have any questions or concerns, please contact us at (781) 794-8010 or at rmatheson@braintreema.gov for assistance.

We appreciate your assistance and participation in this survey, and kindly ask that you respond prior to June 30, 2023.

<https://forms.gle/G64BgxRDxeNr8scw5>



85 Quincy Avenue, Braintree, MA 02184

Telephone: 781-794-8010

Name: _____ Phone Number: _____

Address: _____

1. Would you prefer if a "No left turn during rush hour" sign, as shown below, was installed at the intersection of Addison St and West St? This would prevent cars traveling eastbound on West St from turning onto Addison St during the hours indicated.



- Yes, for both 7AM-9AM and 4PM-7PM.
- Yes, but only for 7AM-9AM.
- Yes, but only for 4PM-7PM.
- No, there should not be a left turn restriction.

2. Currently, there are two temporary speed cushions on Addison St and one on Burton Rd. Would you prefer if the temporary speed cushions were replaced with permanent asphalt speed humps?

- Yes, I would prefer the temporary speed cushions to be replaced with permanent asphalt speed humps.
- No, I would prefer the temporary speed cushions to remain.
- I would prefer if there were no speed cushions or speed humps on Addison St and Burton Rd.

3. There are currently yield signs at several three-way intersections in the neighborhood. Should these yield signs be replaced with stop signs?

- Yes, I would prefer the yield signs to be replaced with stop signs.
- No, I would prefer the yield signs to remain.

4. Would you like to see temporary speed cushions installed on Blossom Rd?

- Yes, I would like to see two sets of temporary speed cushions on Blossom Rd.
- Yes, I would like to see one set of temporary speed cushions on Blossom Rd
- No, please do not install temporary speed cushions on Blossom Rd

2023 Traffic Count on Addison Street Combined (5/4/23 through 5/7/23)

Day of week	Date	Daily Volume (# of cars)	AM Peak Hour	AM Peak volume (# of cars)	Percentage of Daily Volume (%)	PM Peak Hour	PM Peak volume (# of cars)	Percentage of Daily Volume (%)	85% Velocity (mph)
Thursday	4-May	577	8:00 AM	38	7%	4:00 PM	76	13%	25
Friday	5-May	604	11:00 AM	43	7%	5:00 PM	79	13%	25
Saturday	6-May	474	11:00 AM	33	7%	12:00 PM	50	11%	25
Sunday	7-May	382	11:00 AM	34	9%	1:00 PM	48	13%	25

2023 Traffic Count on Addison Street Northbound (5/4/23 through 5/7/23)

Day of week	Date	Daily Volume (# of cars)	AM Peak Hour	AM Peak volume (# of cars)	Percentage of Daily Volume (%)	PM Peak Hour	PM Peak volume (# of cars)	Percentage of Daily Volume (%)	85% Velocity (mph)
Thursday	4-May	262	8:00 AM	24	9%	2:00 PM	26	10%	25
Friday	5-May	237	11:00 AM	16	7%	5:00 PM	23	10%	25
Saturday	6-May	194	11:00 AM	19	10%	12:00 PM	19	10%	24
Sunday	7-May	187	11:00 AM	19	10%	1:00 PM	23	12%	25

2023 Traffic Count on Addison Street Southbound (5/4/23 through 5/7/23)

Day of week	Date	Daily Volume (# of cars)	AM Peak Hour	AM Peak volume (# of cars)	Percentage of Daily Volume (%)	PM Peak Hour	PM Peak volume (# of cars)	Percentage of Daily Volume (%)	85% Velocity (mph)
Thursday	4-May	315	8:00 AM	14	4%	4:00 PM	55	17%	25
Friday	5-May	367	11:00 AM	27	7%	5:00 PM	56	15%	25
Saturday	6-May	280	9:00 AM	20	7%	12:00 PM	31	11%	25
Sunday	7-May	195	11:00 AM	15	8%	1:00 PM	25	13%	26

*located north of West St

2023 Traffic Count on Blossom Road Combined (5/4/23 through 5/7/23)

Day of week	Date	Daily Volume (# of cars)	AM Peak Hour	AM Peak volume (# of cars)	Percentage of Daily Volume (%)	PM Peak Hour	PM Peak volume (# of cars)	Percentage of Daily Volume (%)	85% Velocity (mph)
Thursday	4-May	350	7:00 AM	39	11%	4:00 PM	35	10%	30
Friday	5-May	336	7:00 AM	25	7%	5:00 PM	42	13%	30
Saturday	6-May	344	11:00 AM	25	7%	12:00 PM	34	10%	31
Sunday	7-May	273	11:00 AM	24	9%	3:00 PM	31	11%	30

2023 Traffic Count on Blossom Road Northbound (5/4/23 through 5/7/23)

Day of week	Date	Daily Volume (# of cars)	AM Peak Hour	AM Peak volume (# of cars)	Percentage of Daily Volume (%)	PM Peak Hour	PM Peak volume (# of cars)	Percentage of Daily Volume (%)	85% Velocity (mph)
Thursday	4-May	190	7:00 AM	27	14%	4:00 PM	15	8%	31
Friday	5-May	162	7:00 AM	16	10%	5:00 PM	13	8%	31
Saturday	6-May	177	11:00 AM	14	8%	12:00 PM	17	10%	32
Sunday	7-May	134	11:00 AM	13	10%	3:00 PM	13	10%	31

2023 Traffic Count on Blossom Road Southbound (5/4/23 through 5/7/23)

Day of week	Date	Daily Volume (# of cars)	AM Peak Hour	AM Peak volume (# of cars)	Percentage of Daily Volume (%)	PM Peak Hour	PM Peak volume (# of cars)	Percentage of Daily Volume (%)	85% Velocity (mph)
Thursday	4-May	160	7:00 AM	12	8%	4:00 PM	20	13%	30
Friday	5-May	174	11:00 AM	17	10%	5:00 PM	29	17%	30
Saturday	6-May	167	9:00 AM	11	7%	12:00 PM	17	10%	29
Sunday	7-May	139	11:00 AM	11	8%	3:00 PM	18	13%	30

*located north of Brierwood Rd

2023 Traffic Count on Davis Road Combined (4/27/23 through (4/30/23)

Day of week	Date	Daily Volume (# of cars)	AM Peak Hour	AM Peak volume (# of cars)	Percentage of Daily Volume (%)	PM Peak Hour	PM Peak volume (# of cars)	Percentage of Daily Volume (%)	85% Velocity (mph)
Thursday	27-Apr	514	8:00 AM	51	10%	5:00 PM	57	11%	30
Friday	28-Apr	625	11:00 AM	39	6%	3:00 PM	71	11%	30
Saturday	29-Apr	457	11:00 AM	36	8%	3:00 PM	46	10%	28
Sunday	30-Apr	312	10:00 AM	26	8%	2:00 PM	43	14%	29

2023 Traffic Count on Davis Road Eastbound (4/27/23 through 4/30/23)

Day of week	Date	Daily Volume (# of cars)	AM Peak Hour	AM Peak volume (# of cars)	Percentage of Daily Volume (%)	PM Peak Hour	PM Peak volume (# of cars)	Percentage of Daily Volume (%)	85% Velocity (mph)
Thursday	27-Apr	310	8:00 AM	30	10%	5:00 PM	40	13%	30
Friday	28-Apr	372	11:00 AM	21	6%	3:00 PM	50	13%	30
Saturday	29-Apr	259	11:00 AM	26	10%	2:00 PM	29	11%	28
Sunday	30-Apr	187	10:00 AM	13	7%	2:00 PM	27	14%	30

2023 Traffic Count on Davis Road Westbound (4/27/23 through 4/30/23)

Day of week	Date	Daily Volume (# of cars)	AM Peak Hour	AM Peak volume (# of cars)	Percentage of Daily Volume (%)	PM Peak Hour	PM Peak volume (# of cars)	Percentage of Daily Volume (%)	85% Velocity (mph)
Thursday	27-Apr	204	8:00 AM	21	10%	12:00 PM	24	12%	30
Friday	28-Apr	253	11:00 AM	18	7%	12:00 PM	21	8%	30
Saturday	29-Apr	198	8:00 AM	11	6%	3:00 PM	25	13%	29
Sunday	30-Apr	125	10:00 AM	13	10%	2:00 PM	16	13%	28

*located east of Blossom Rd

2023 Traffic Count on Eleanor Drive Combined (4/27/23 through 4/30/23)

Day of week	Date	Daily Volume (# of cars)	AM Peak Hour	AM Peak volume (# of cars)	Percentage of Daily Volume (%)	PM Peak Hour	PM Peak volume (# of cars)	Percentage of Daily Volume (%)	85% Velocity (mph)
Thursday	27-Apr	123	7:00 AM	12	10%	3:00 PM	12	10%	23
Friday	28-Apr	161	8:00 AM	9	6%	5:00 AM	16	10%	23
Saturday	29-Apr	131	11:00 AM	11	8%	12:00 PM	15	11%	23
Sunday	30-Apr	71	10:00 AM	7	10%	4:00 PM	10	14%	23

2023 Traffic Count on Eleanor Drive Eastbound (4/27/23 through 4/30/23)

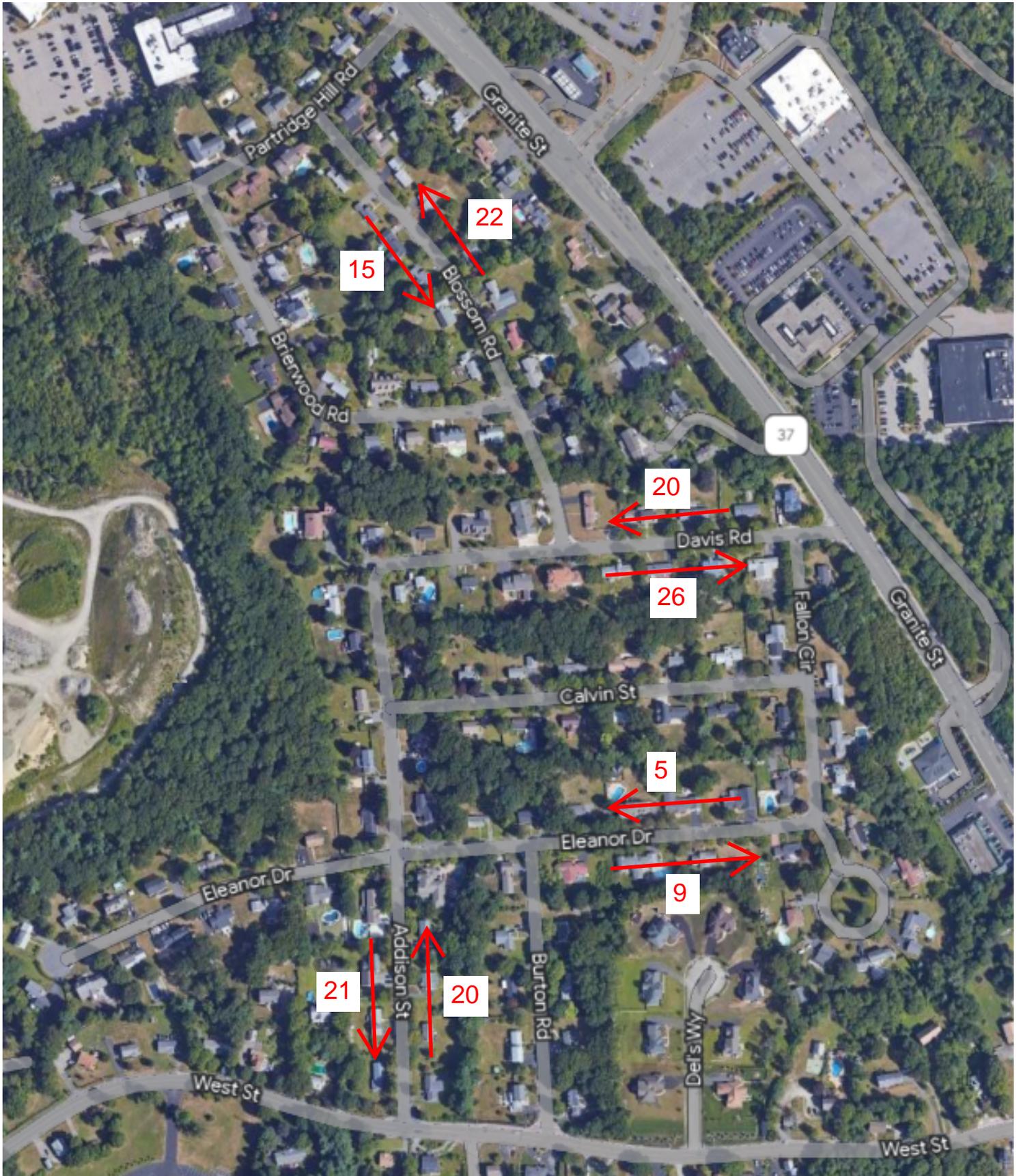
Day of week	Date	Daily Volume (# of cars)	AM Peak Hour	AM Peak volume (# of cars)	Percentage of Daily Volume (%)	PM Peak Hour	PM Peak volume (# of cars)	Percentage of Daily Volume (%)	85% Velocity (mph)
Thursday	27-Apr	73	7:00 AM	11	15%	12:00 PM	7	10%	23
Friday	28-Apr	86	7:00 AM	7	8%	1:00 PM	10	12%	24
Saturday	29-Apr	73	11:00 AM	7	10%	12:00 PM	10	14%	23
Sunday	30-Apr	39	9:00 AM	4	10%	12:00 PM	5	13%	23

2023 Traffic Count on Eleanor Drive Westbound (4/27/23 through 4/30/23)

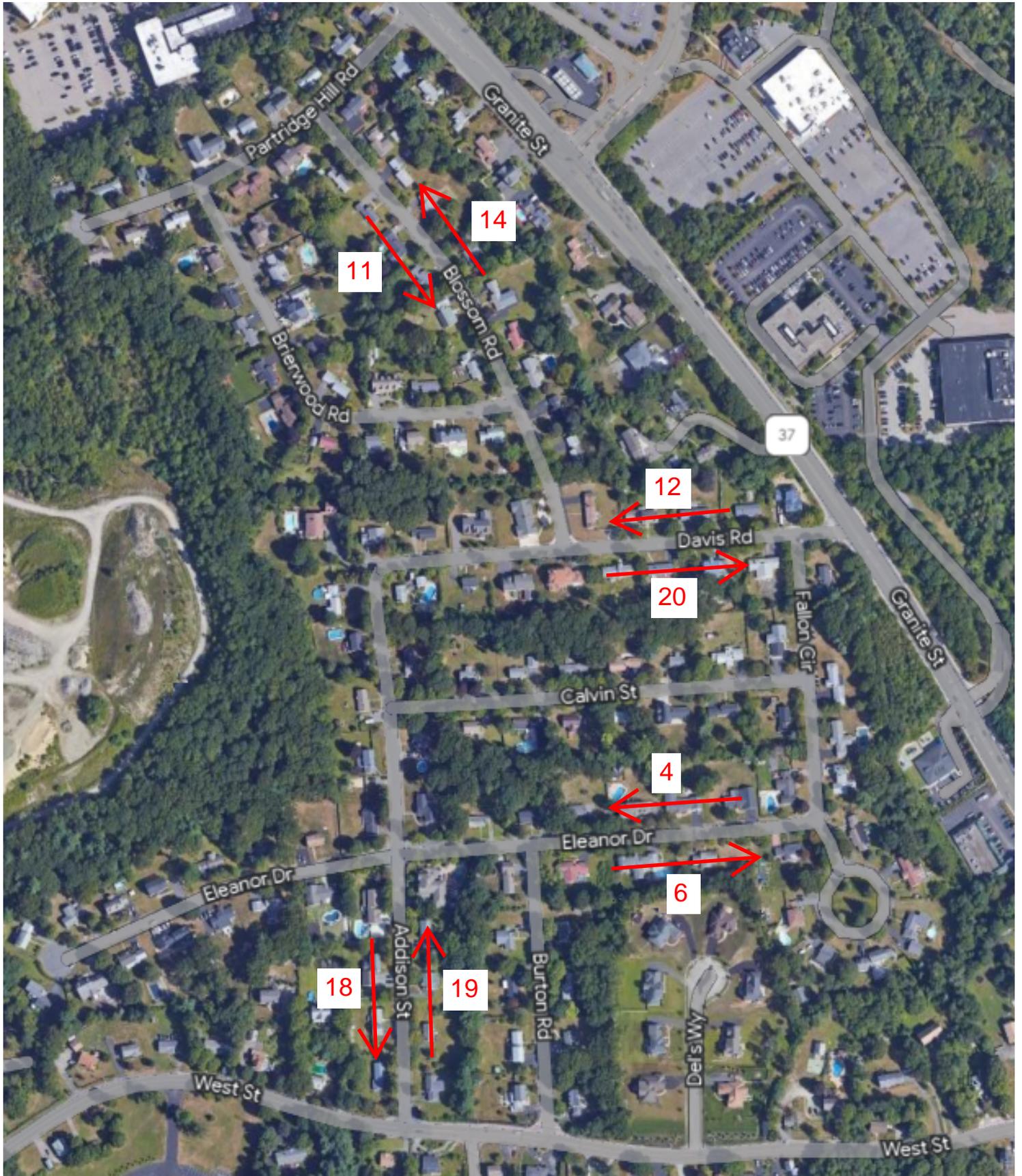
Day of week	Date	Daily Volume (# of cars)	AM Peak Hour	AM Peak volume (# of cars)	Percentage of Daily Volume (%)	PM Peak Hour	PM Peak volume (# of cars)	Percentage of Daily Volume (%)	85% Velocity (mph)
Thursday	27-Apr	50	8:00 AM	5	10%	3:00 PM	5	10%	23
Friday	28-Apr	75	8:00 AM	5	7%	6:00 PM	11	15%	23
Saturday	29-Apr	58	10:00 AM	5	9%	12:00 PM	5	9%	23
Sunday	30-Apr	32	10:00 AM	3	9%	4:00 PM	7	22%	24

*located west of Fallon Cir

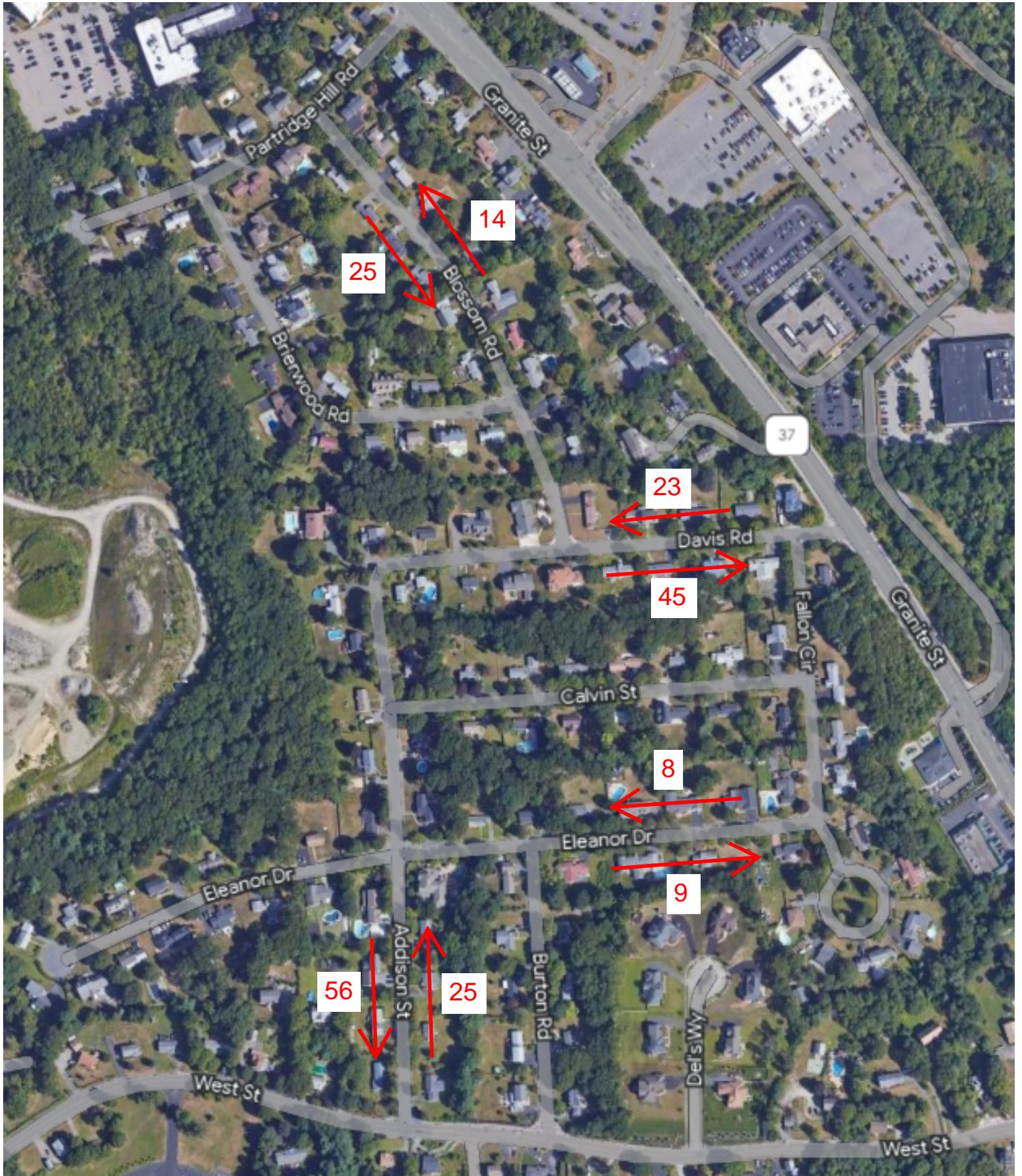
Granite Park Neighborhood 2023 AM Peak Hour Volumes (Weekday Average)



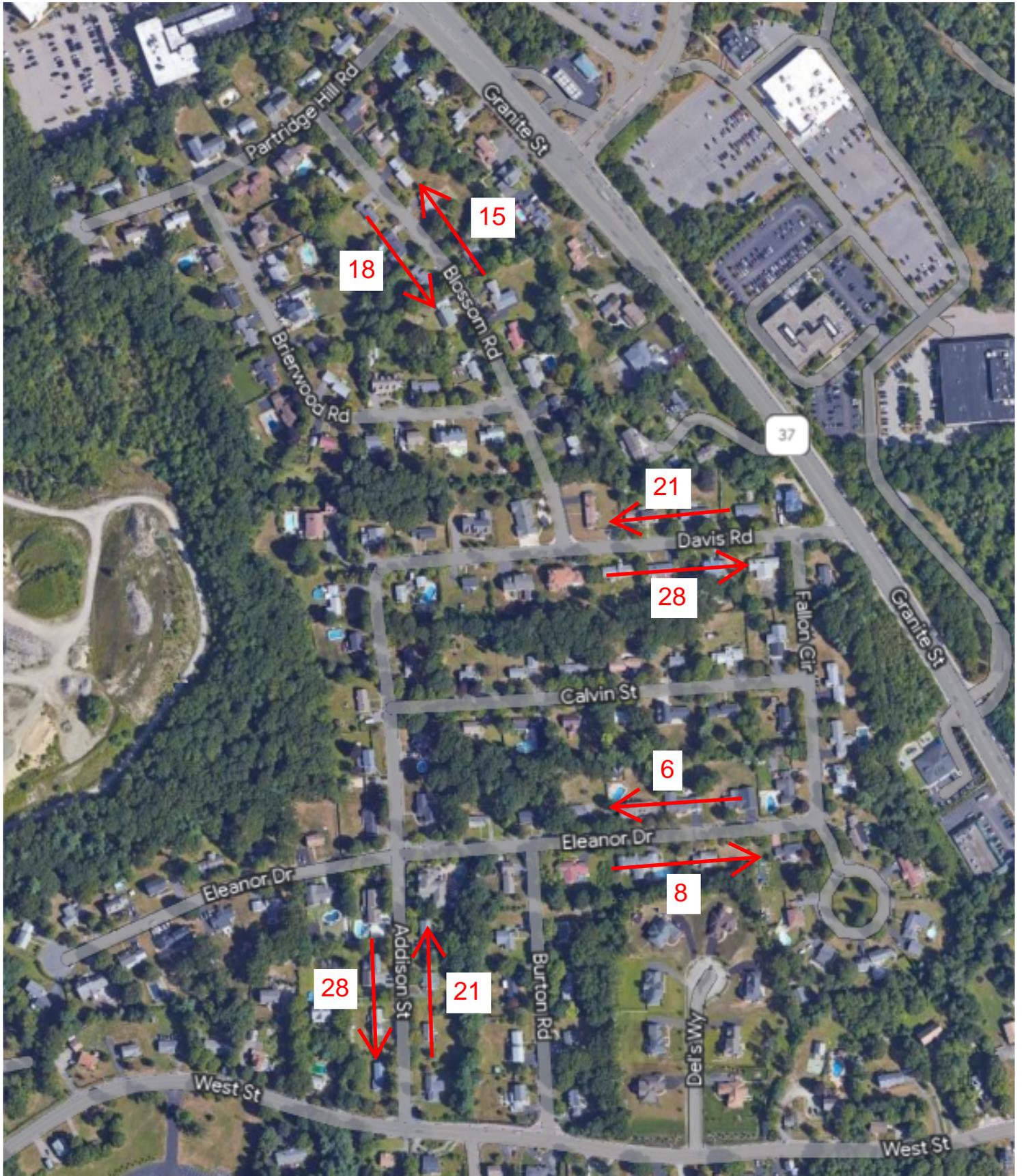
Granite Park Neighborhood 2023 AM Peak Hour Volumes (Weekend Average)



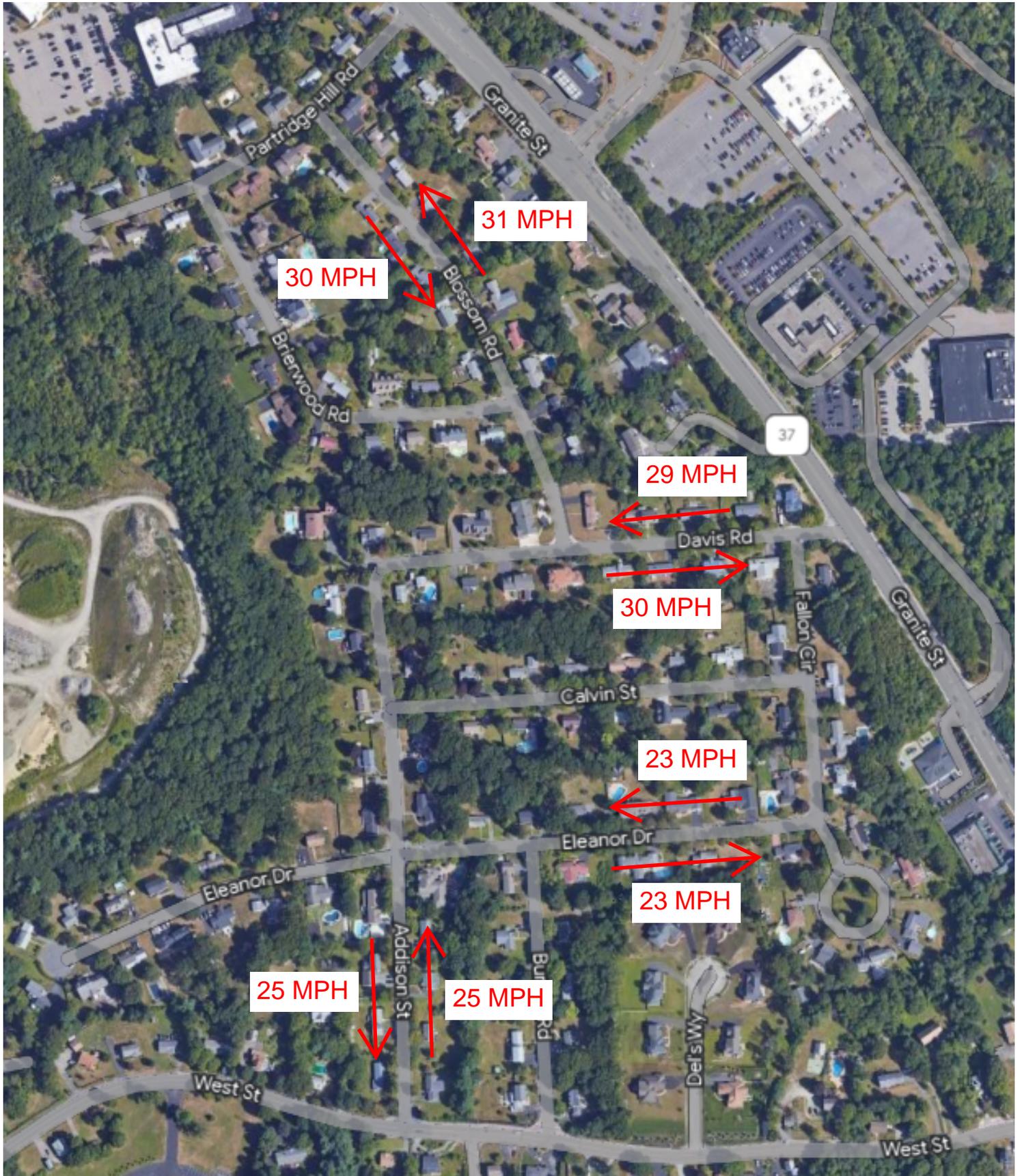
Granite Park Neighborhood 2023 PM Peak Hour Volumes (Weekday Average)



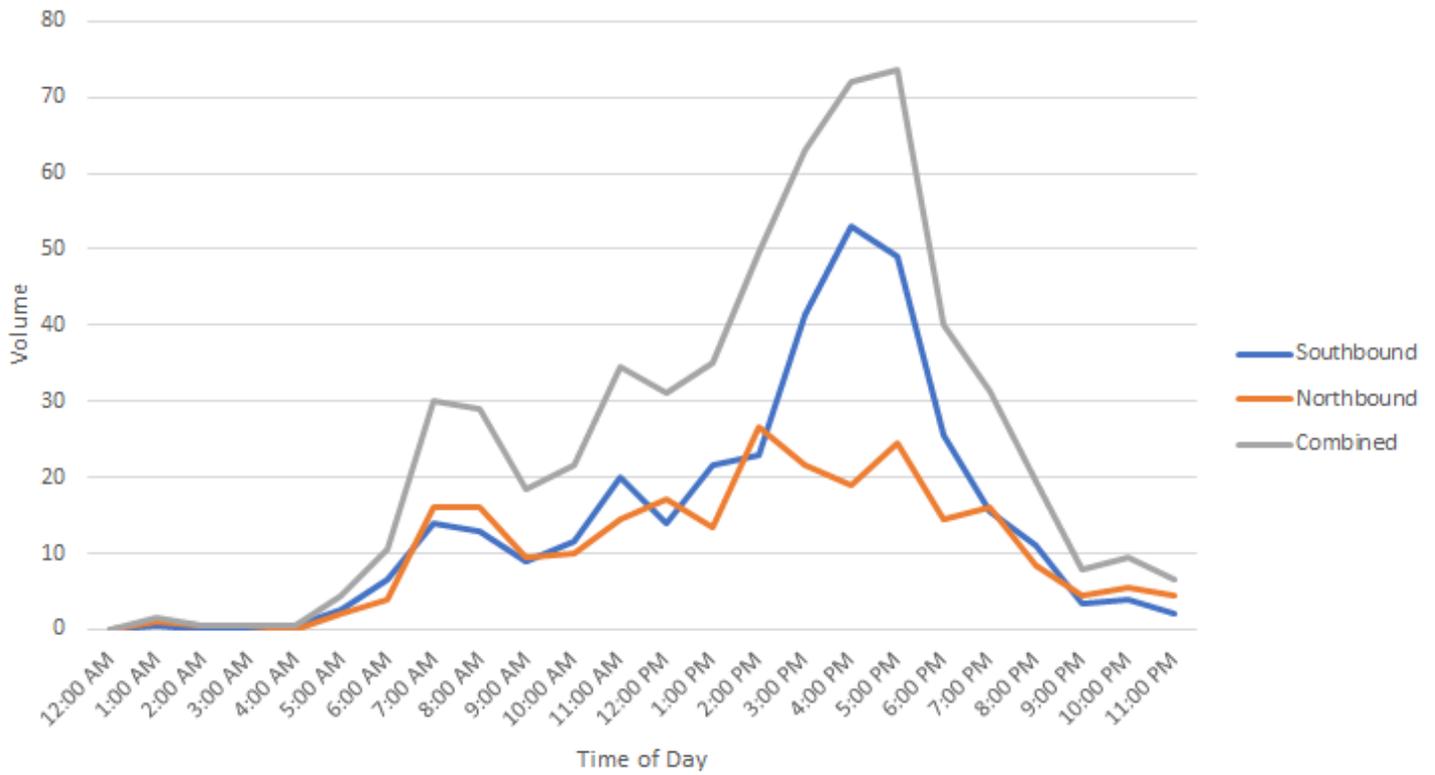
Granite Park Neighborhood 2023 PM Peak Hour Volumes (Weekend Average)



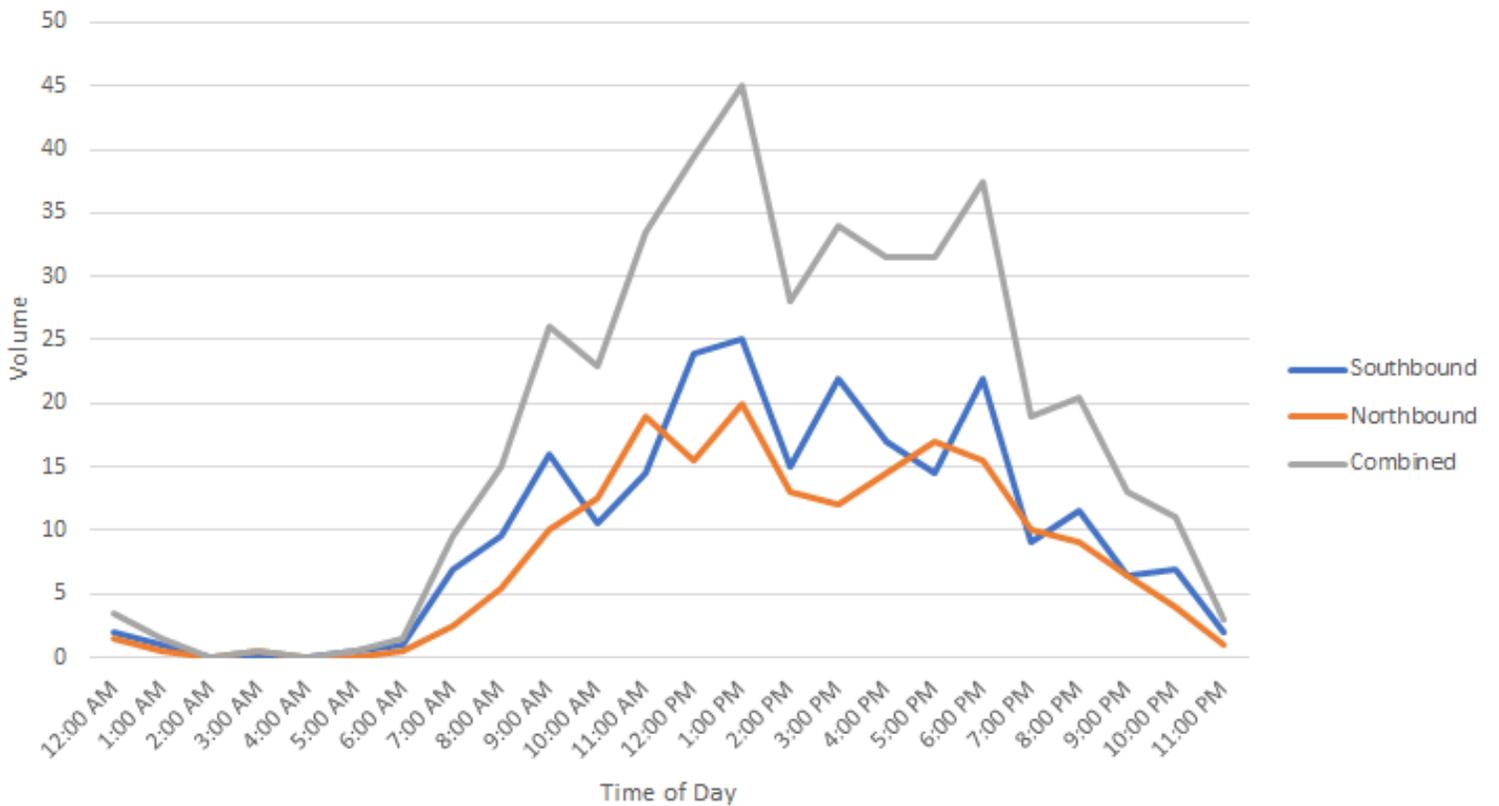
Granite Park Neighborhood 2023 85th Percentile Speeds (MPH)



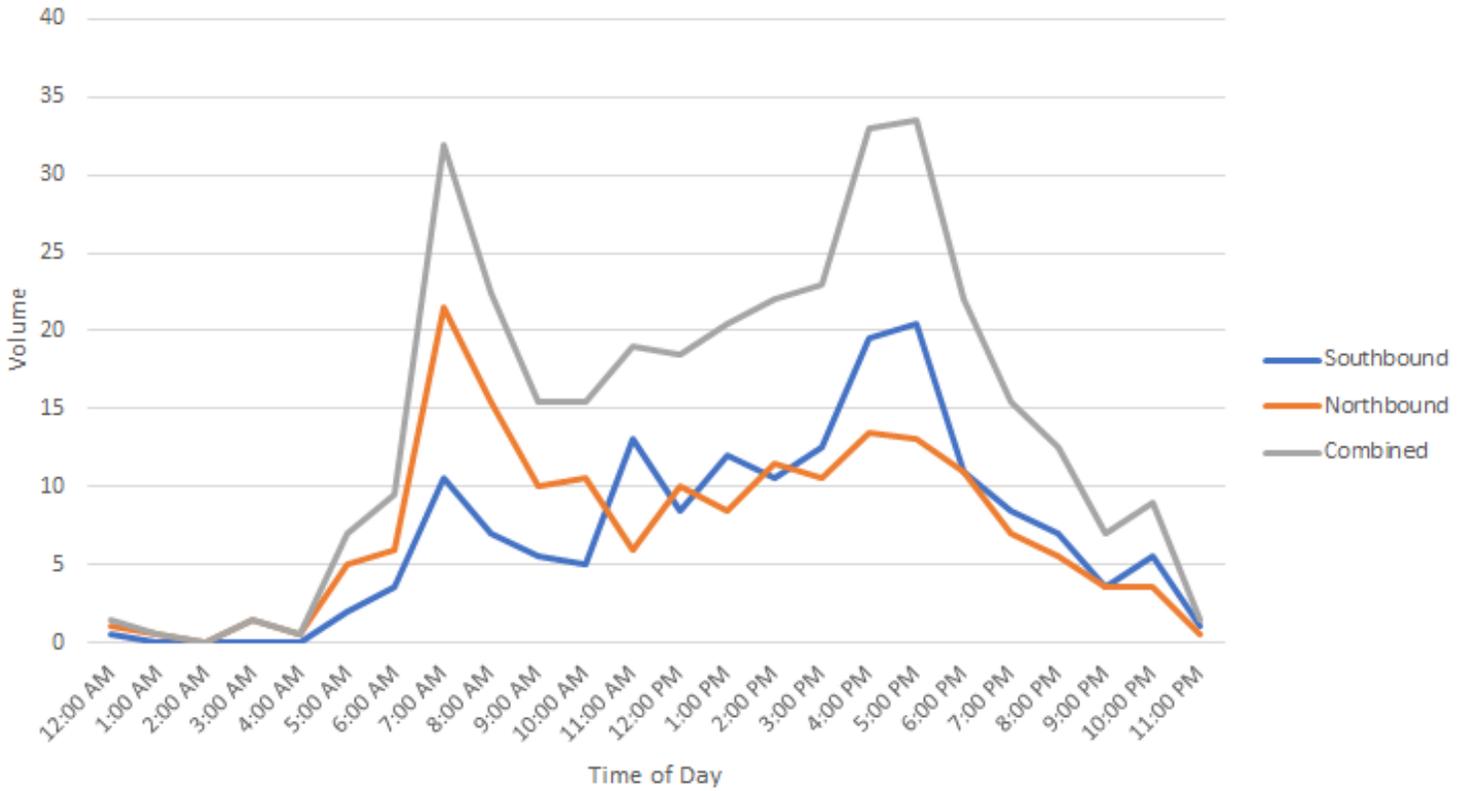
Addison Street - Average Weekday Volumes



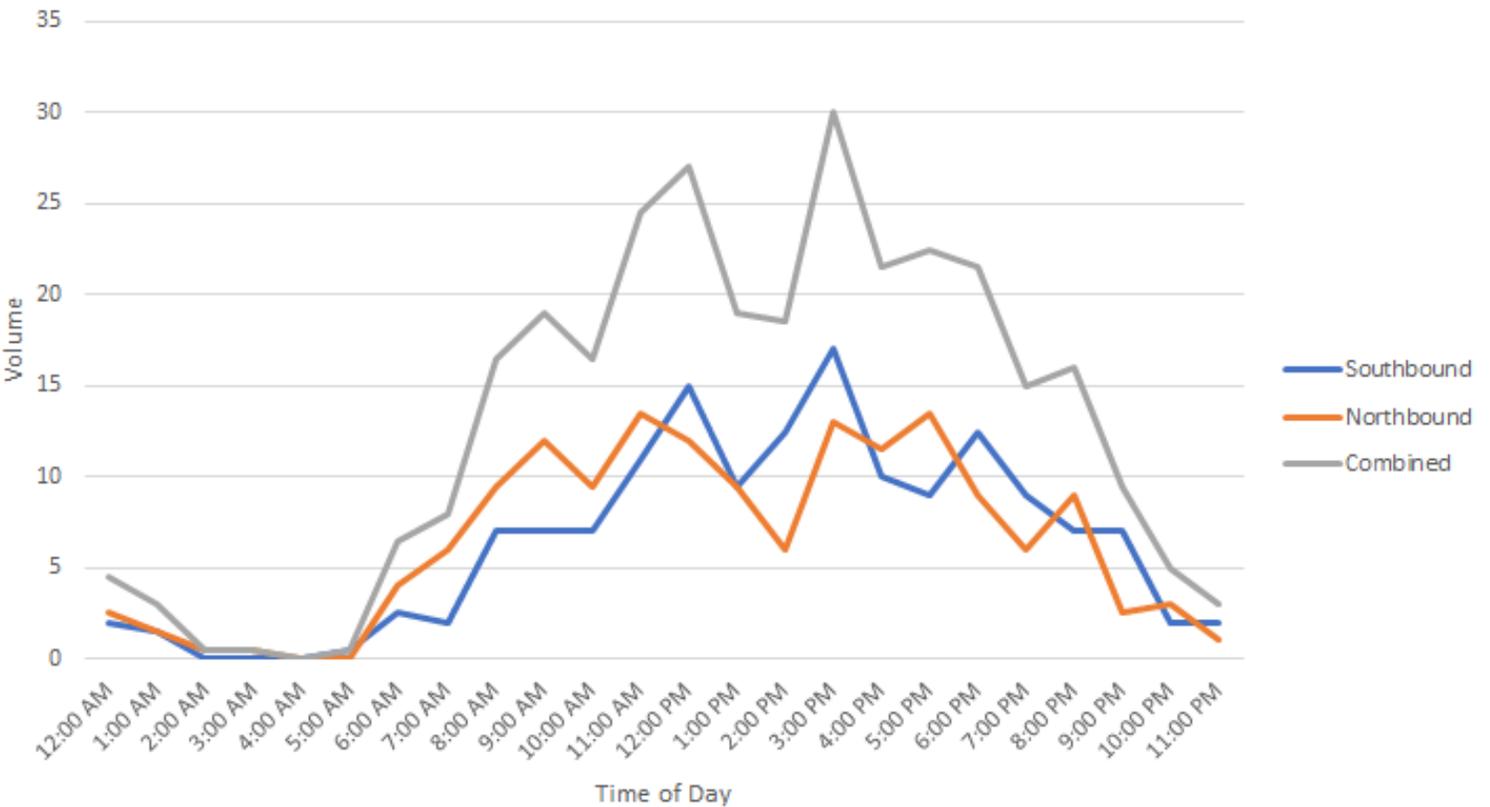
Addison Street - Average Weekend Volumes



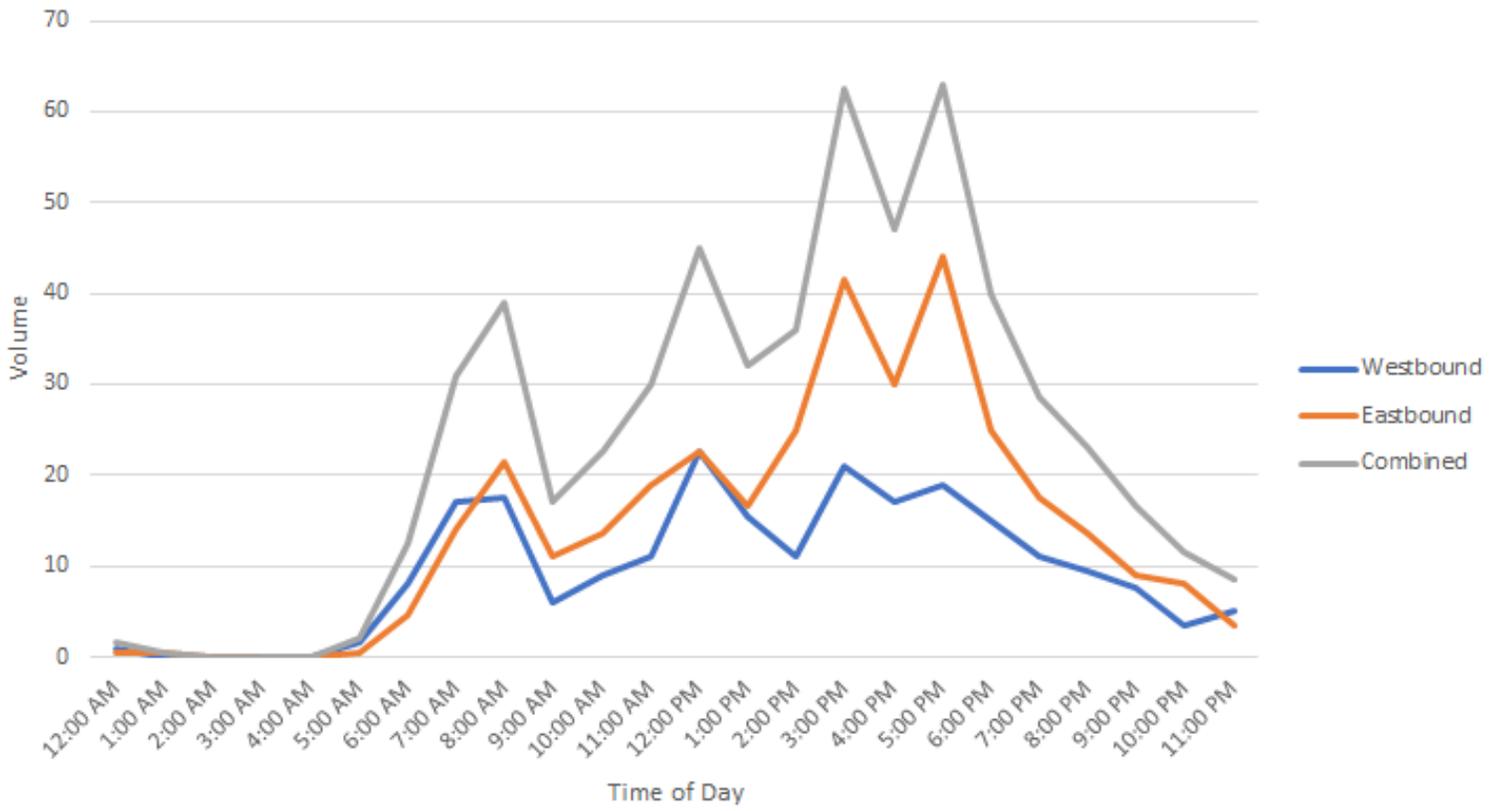
Blossom Street - Average Weekday Volumes



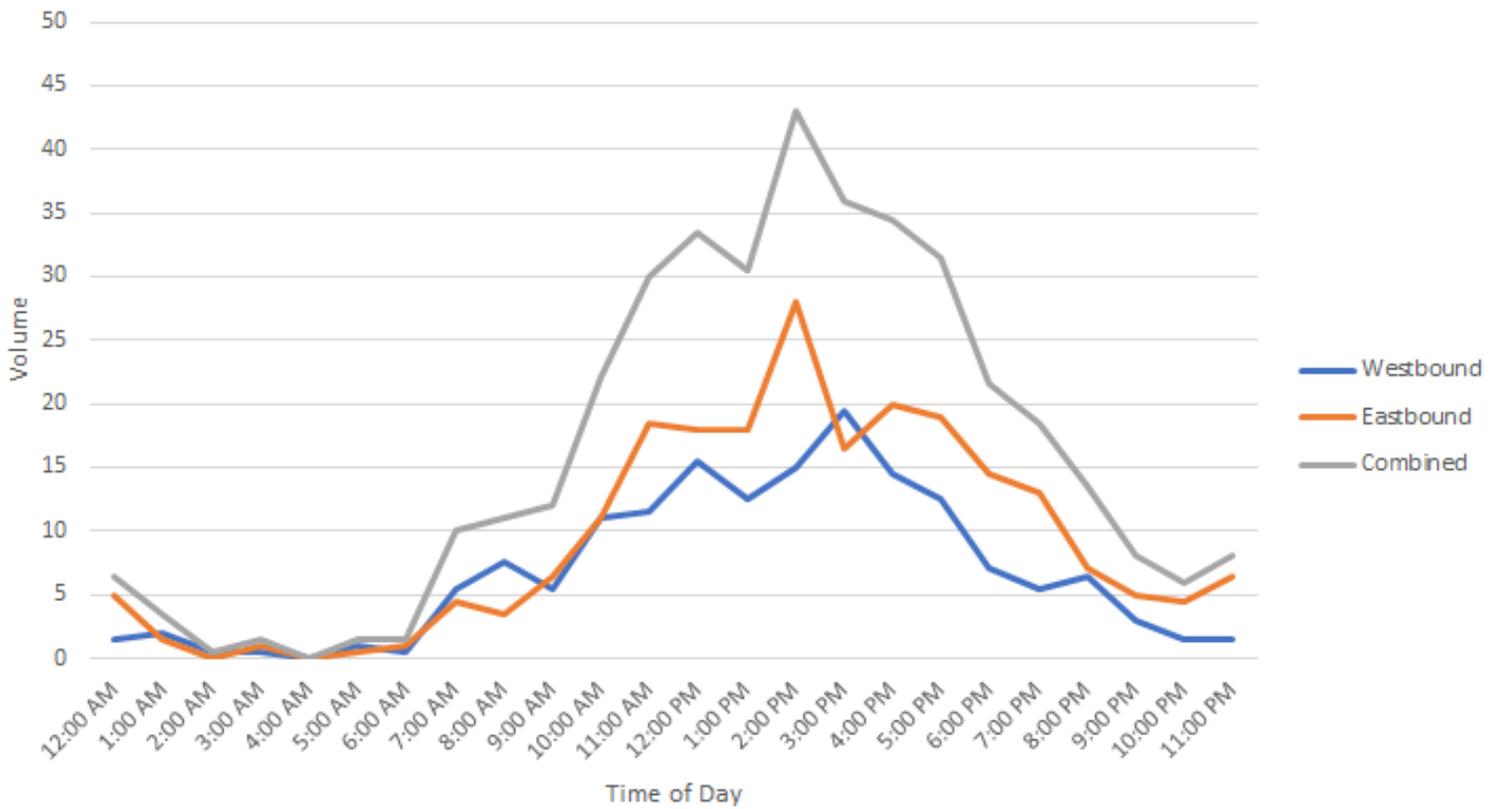
Blossom Street - Average Weekend Volumes



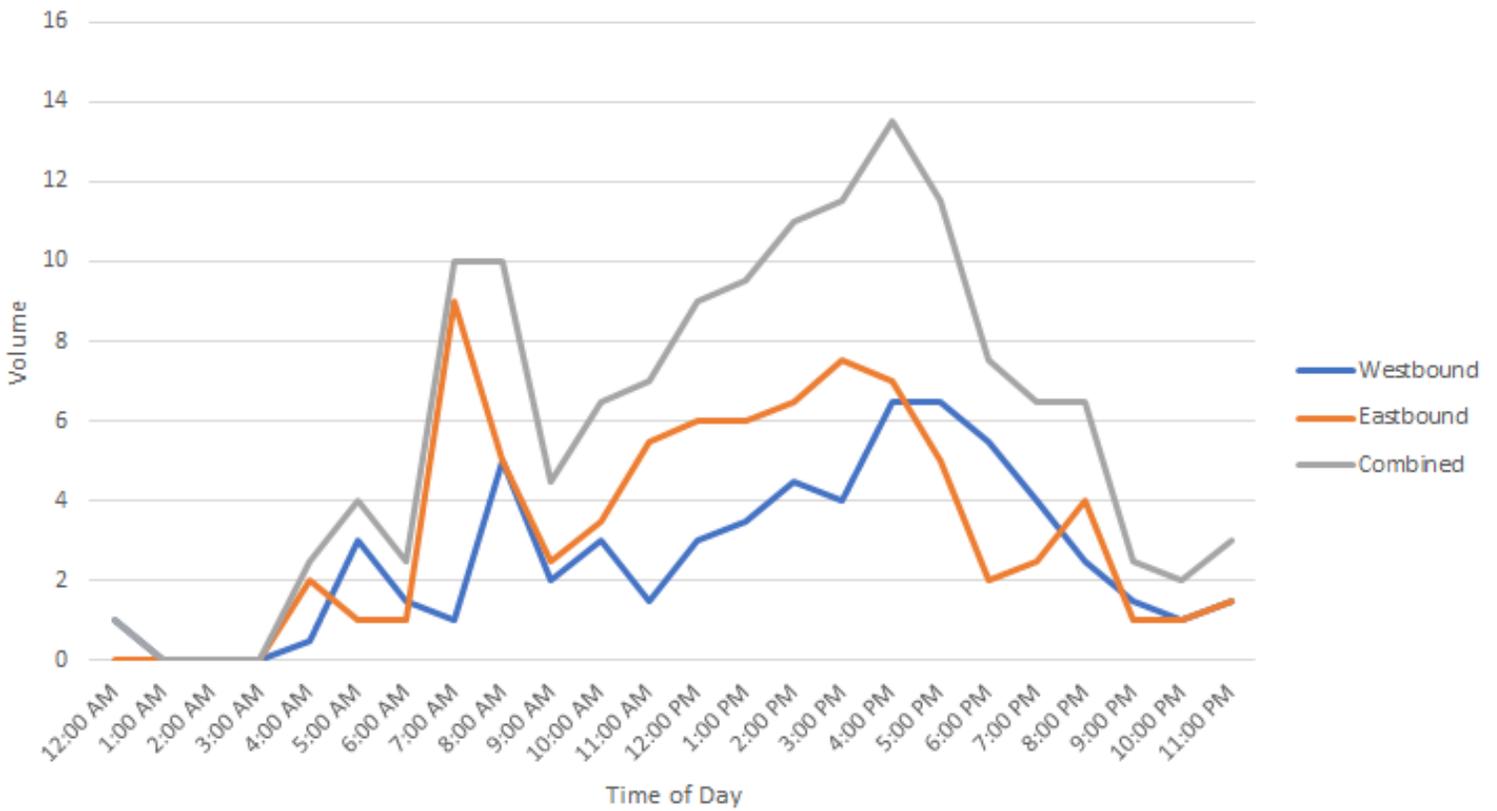
Davis Road - Average Weekday Volumes



Davis Road - Average Weekend Volumes



Eleanor Drive - Average Weekday Volumes



Eleanor Drive - Average Weekend Volumes

