City of Folsom
TRAFFIC SAFETY COMMITTEE
MEETING AGENDA
4:00 p.m., Thursday, October 27th, 2022

Effective July 7, 2022, the City of Folsom is returning to all in-person City Council, Commission, and Committee meetings. Remote participation for the public will no longer be offered. Everyone is invited and encouraged to attend and participate in City meetings in person.

1. MEETING CALLED TO ORDER

2. ROLL CALL:

Bailey, Bosch, Delp, Galovich, McGee, Soulsby, Washburn

3. APPROVE ACTION SUMMARY

Action Summary of the regular September 22nd, 2022, meeting will stand approved unless any Committee member requests a revision.

4. BUSINESS FROM FLOOR/GOOD OF THE ORDER

Discuss any items not on the agenda that a member of the public wishes to bring to the Committee's attention. The Committee cannot take formal action on the item but can request that it be placed on a future agenda for further discussion if necessary.

5. ACTION ITEMS

1. **NEIGHBORHOOD ISSUES**
   a. **MONTROSE DRIVE STOP SIGN**
   b. **PARKSHORE DRIVE & PLAZA DRIVE STOP SIGN REQUEST**
   c. **RANDALL DRIVE & SANTANA WAY STOP SIGN REQUEST**

6. DISCUSSION ITEMS

a. **PROJECT UPDATE FOR MEDIAN BARRIER PROJECT ON EAST NATOMA**
b. **LIST OF FUTURE AGENDA ITEMS**

7. ADJOURNMENT

City of Folsom
TRAFFIC SAFETY COMMITTEE
MEETING MINUTES
4:00 p.m., Thursday, Sept 22nd, 2022

Effective July 7, 2022, the City of Folsom is returning to all in-person City Council, Commission, and Committee meetings. Remote participation for the public will no longer be offered. Everyone is invited and encouraged to attend and participate in City meetings in person.

1. MEETING CALLED TO ORDER
Meeting called to order 4:00 pm

2. ROLL CALL:
Bailey, Bosch, Delp, Galovich, McGee, Soulsby, Washburn
Present: Bailey (late), Bosch, Delp, Galovich, McGee, Soulsby, Washburn (left at 5pm)

3. APPROVE ACTION SUMMARY
Action Summary of the regular July 28th, 2022, meeting will stand approved unless any Committee member requests a revision.
Bosch moved to approve McGee seconded. Committee unanimous (Delp abstained)

4. BUSINESS FROM FLOOR/GOOD OF THE ORDER
Discuss any items not on the agenda that a member of the public wishes to bring to the Committee's attention. The Committee cannot take formal action on the item but can request that it be placed on a future agenda for further discussion if necessary.
A resident asked that the Committee consider bike and walking lanes on Coloma Street. They also asked that the corner of Sutter Street and Coloma be a future agenda item. During the discussion the resident asked regarding the visibility at the corner of Coloma and Figueroa. Bosch agreed to have the Public Works Department trim any trees blocking signage and add reflective material to signs to make them more visible.

5. ACTION ITEMS
1. **NEIGHBORHOOD ISSUES**
   a. **FIGUEROA STREET SPEEDING**
   Bosch moved and Bailey seconded, committee unanimous. Motion to have the Public Works Department initiate a 7-day volume and speed survey before and after a speed limit sign is posted. The speed survey will be conducted mid-block if possible. In addition, the Public Works department will investigate new laws that might make it possible to have a lower speed limit in the area.
   b. **PARKSHORE DRIVE CROSSWALKS**

Delp moved and Bosch seconded, committee unanimous.
Motion for Public Works to add additional crosswalk signage.
Committee will consider RRFB's if a petition is submitted.

6. **DISCUSSION ITEMS**

   a. **DISCUSSION OF DRIVER BEHAVIOR AND TRAFFIC LAW ENFORCEMENT EFFORTS**
   Officers Galovich and Emery answered questions and participated in a discussion.

   b. **LIST OF FUTURE AGENDA ITEMS**
   Bosch provided a list of agenda items to the Committee. Committee decided to hold a December Traffic Safety Committee meeting due to the large number of agenda items.

7. **ADJOURNMENT**
   Meeting was adjourned at 6:12 pm

COMMITTEE ITEMS
Agenda Item No. 1
TSC 22-029
10/27/22 Meeting

TRAFFIC SAFETY COMMITTEE
STAFF REPORT

DATE: October 21, 2022

TO: Traffic Safety Committee

FROM: Public Works Department

SUBJECT: MONTROSE DRIVE ALL WAY STOP SIGN

BACKGROUND/ANALYSIS

Public Works received a complaint from a concerned resident regarding Montrose Drive between School Street and East Bidwell, specifically at the intersection of Montrose Drive and Lowe's/Trader Joe's Shopping Center and HomeGoods/Target Shopping Center. During Public Work's evaluation instances of close calls, pedestrian crossing between shopping centers, and vehicles crossing between shopping centers were observed. Public Works Staff also observed difficult line of sights exiting out of Trader Joe's Shopping Center looking north, towards School Street.

Public Works utilized its Traffic Safety On-Call contract with Kimley Horn and Associates to perform an all-way stop sign analysis for the intersection. The summary of that report is attached below. The full report is attached as Appendix A.

The intersection of Montrose Drive at Target/Trader Joe's Shopping Center Driveway satisfies AWSC warrant guidance specified by CAMUTCD methodologies. Furthermore, based on the vehicle speeds along Montrose Drive and field observations, there are two turning movement (eastbound turning left and right) with substandard intersection sight distance and stopping sight distance. Based on these findings, it is recommended that the City consider the conversion to AWSC control at this intersection.

Public Works concurs with the analysis and the approves of the methodology used by Kimley Horn to recommend the conversion of the existing intersection to an all-way stop controlled intersection.

STAFF RECOMMENDATION/TRAFFIC SAFETY COMMITTEE ACTION

Staff recommends that the Committee recommend the intersection of Montrose Drive and Lowe's/Trader Joe's Shopping Center and HomeGoods/Target Shopping Center be converted into an all-way stop sign to City Council for final approval.

APPENDIX A

Kimley»Horn

Memorandum

To: Zach Bosch, City of Folsom

From: Amy Butler, EI
Robert Paderna, P.E., RSP_1

Re: **Intersection Evaluation**
Montrose Drive at Target/Trader Joe's Shopping Center Driveway

Date: October 7, 2022

The purpose of this memorandum is to document the results of a traffic engineering evaluation of the intersection of Montrose Drive at Target/Trader Joe's Shopping Center Driveway (the "study intersection") in the City of Folsom, California. Kimley-Horn understands that the City of Folsom has received requests to evaluate the existing traffic conditions at the study intersection and to perform an All-Way Stop Control (AWSC) warrant analysis. The study intersection is currently a Side-Street Stop Control (SSSC) intersection with free movements along Montrose Drive. This evaluation has been completed to evaluate the need for intersection traffic control or other safety modifications based on observed existing conditions and traffic volume data.

Data Collection

A site visit was completed on September 14, 2022, to observe intersection lane configurations, existing traffic control, speed limits, lane utilization, adjacent land uses, and other readily apparent features that were deemed by Kimley-Horn to be relevant to the Scope of Services.

Four (4) roadway segment volume counts were collected from 6:00am to 10:00pm on a Thursday, Friday, and Saturday (September 8th, 16th, and August 27th, respectively), due to the hours of operation of the businesses that access the study intersection's driveways. These counts were conducted along the approaches to the study intersection and speed data was also collected along the Montrose approaches. Site location can be seen in **Exhibit 1**. The traffic count sheets are provided in **Attachment A**.

Traffic Control Warrants

An All-Way Stop Control (AWSC) warrant evaluation was completed for the study intersection based on the methodologies noted in Section 2B.07 of the *California Manual on Uniform Traffic Control Devices (CMUTCD)*, *2014 Edition (Revision 6, March 30, 2021)*. The evaluation of the AWSC warrant requirements determined that the warrant is satisfied for the study intersection. Summary sheets for the warrant evaluation are included as **Attachment B** to this memorandum.

Intersection Sight Distance

An evaluation of sight distance for the study intersection was completed based on observed horizontal and vertical geometric conditions. These evaluations were performed in accordance with the guidelines presented in the *Geometric Design of Highways and Streets*, 2011, published by the American Association of State Highway and Transportation Officials (AASHTO), and the *Highway Design Manual*, published by Caltrans. The results of this evaluation are presented in **Table 1** (see **Exhibit 1** for a graphical depiction of the sight distance observations).

Table 1 – Summary of Sight Distance Observations

ID	Approach	Movement Direction	Observed SD (ft.)		Required Intersection Sight Distance (ft.) [1]	Status[2]	Achievable SD (ft.)[3]
			Looking Left	Looking Right			
A	Eastbound (Trader Joe's Driveway)	Left	214	>500	250	Obstructed	>400
B		Right	214		250	Obstructed	>400
C	Westbound (Target Driveway)	Left	>500	>500	250	Acceptable	-
D		Right	>500		250	Acceptable	-

Notes: SD = Sight Distance, ISD = Intersection Sight Distance
[1] Passenger Vehicles, assumed design speed of 35 mph due to 85th % 32 mph for southbound/northbound approaches
[2] Obstructed indicates that an object at a height above the elevation of the adjacent roadway blocks the drivers' view
[3] Achievable Sight Distance refers to the condition anticipated to be achieved with removal or maintenance of roadside vegetation, including the mentioned intermediate obstructions.

The intersection sight distance for the eastbound Trader Joe's Driveway approach looking to the left (vehicles looking toward southbound Montrose Drive) is insufficient. Currently, there is vegetation obstructing views for these motorists. If these obstructions were to be removed it would be possible to achieve acceptable intersection sight distance requirements. Caltrans' Highway Design Manual states that "the minimum value for corner sight distance at both signalized and unsignalized intersections shall be equal to the stopping sight distance as given in Table 201.1, measured as previously described." Table 201.1[1] presents the Stopping Sight Distance (SSD) based on design speed. Due to an 85th percentile speed of 32 mph for the northbound approach, the design speed used to determine the SSD was 35 mph. The SSD associated with 35 mph is 250 feet.

Summary and Recommendations

The intersection of Montrose Drive at Target/Trader Joe's Shopping Center Driveway satisfies AWSC warrant guidance specified by CMUTCD methodologies. Furthermore, based on the vehicle speeds along Montrose Drive and field observations, there are two turning movement (eastbound turning left and right) with substandard intersection sight distance and stopping sight distance. Based on these findings, it is recommended that the City consider the conversion to AWSC control at this intersection.

Attachments:

Exhibit 1 – Sight Distance Observations

Attachment A – Traffic Count Sheets
Attachment B – AWSC Warrant Analysis Worksheets

[1] Caltrans Highway Design Manual. May 7, 2012. Page 200-1

Montrose Drive at Target/Trader Joe's Shopping Center Driveway - Intersection Evaluation

Kimley»Horn

Exhibit 1
Sight Distance Observations

Attachment A

Traffic Count Sheets

Prepared by NDS/ATD

Prepared by National Data & Surveying Services

VOLUME

Montrose Dr N/O Target/Trader Joe's Shopping Center Dwy

Day: Thursday
Date: 9/8/2022

City: Folsom
Project #: CA22_070181_002

DAILY TOTALS	NB	SB	EB	WB	Total
	2,283	2,687	0	0	4,970

AM Period	NB		SB		EB	WB	TOTAL		PM Period	NB		SB		EB	WB	TOTAL	
00:00	0		0		0	0			12:00	60		60		0	0	120	
00:15	0		0		0	0			12:15	47		86		0	0	133	
00:30	0		0		0	0			12:30	37		50		0	0	87	
00:45	0		0		0	0			12:45	56	200	46	242	0	0	102	442
01:00	0		0		0	0			13:00	50		40		0	0	90	
01:15	0		0		0	0			13:15	47		63		0	0	110	
01:30	0		0		0	0			13:30	42		43		0	0	85	
01:45	0		0		0	0			13:45	43	182	49	195	0	0	92	377
02:00	0		0		0	0			14:00	51		43		0	0	94	
02:15	0		0		0	0			14:15	47		46		0	0	93	
02:30	0		0		0	0			14:30	53		33		0	0	86	
02:45	0		0		0	0			14:45	40	191	59	181	0	0	99	372
03:00	0		0		0	0			15:00	42		36		0	0	78	
03:15	0		0		0	0			15:15	34		39		0	0	73	
03:30	0		0		0	0			15:30	35		61		0	0	96	
03:45	0		0		0	0			15:45	56	167	45	181	0	0	101	348
04:00	0		0		0	0			16:00	37		49		0	0	86	
04:15	0		0		0	0			16:15	53		46		0	0	99	
04:30	0		0		0	0			16:30	39		37		0	0	76	
04:45	0		0		0	0			16:45	52	181	66	198	0	0	118	379
05:00	0		0		0	0			17:00	67		57		0	0	124	
05:15	0		0		0	0			17:15	51		49		0	0	100	
05:30	0		0		0	0			17:30	57		39		0	0	96	
05:45	0		0		0	0			17:45	37	212	44	189	0	0	81	401
06:00	3		19		0	0	22		18:00	41		40		0	0	81	
06:15	12		16		0	0	28		18:15	41		29		0	0	70	
06:30	7		17		0	0	24		18:30	34		36		0	0	70	
06:45	9	31	20	72	0	0	29	103	18:45	40	156	32	137	0	0	72	293
07:00	9		27		0	0	36		19:00	35		22		0	0	57	
07:15	22		34		0	0	56		19:15	29		26		0	0	55	
07:30	43		40		0	0	83		19:30	26		27		0	0	53	
07:45	56	130	92	193	0	0	148	323	19:45	23	113	22	97	0	0	45	210
08:00	34		104		0	0	138		20:00	32		29		0	0	61	
08:15	41		62		0	0	103		20:15	22		29		0	0	51	
08:30	32		50		0	0	82		20:30	28		21		0	0	49	
08:45	24	131	56	272	0	0	80	403	20:45	19	101	13	92	0	0	32	193
09:00	23		56		0	0	79		21:00	14		15		0	0	29	
09:15	30		31		0	0	61		21:15	11		12		0	0	23	
09:30	28		53		0	0	81		21:30	15		11		0	0	26	
09:45	33	114	49	189	0	0	82	303	21:45	13	53	9	47	0	0	22	100
10:00	27		42		0	0	69		22:00	0		0		0	0		
10:15	31		56		0	0	87		22:15	0		0		0	0		
10:30	32		33		0	0	65		22:30	0		0		0	0		
10:45	41	131	37	168	0	0	78	299	22:45	0		0		0	0		
11:00	47		50		0	0	97		23:00	0		0		0	0		
11:15	40		66		0	0	106		23:15	0		0		0	0		
11:30	43		73		0	0	116		23:30	0		0		0	0		
11:45	60	190	45	234	0	0	105	424	23:45	0		0		0	0		
TOTALS		727		1128				1855	TOTALS		1556		1559				3115
SPLIT %		39.2%		60.8%				37.3%	SPLIT %		50.0%		50.0%				62.7%

DAILY TOTALS	NB	SB	EB	WB	Total
	2,283	2,687	0	0	4,970

AM Peak Hour	11:30	07:45			11:30	PM Peak Hour	16:45	12:00			12:00
AM Pk Volume	210	308			474	PM Pk Volume	227	242			442
Pk Hr Factor	0.875	0.740			0.891	Pk Hr Factor	0.847	0.703			0.831
7 - 9 Volume	261	465	0	0	726	4 - 6 Volume	393	387	0	0	780
7 - 9 Peak Hour	07:30	07:45			07:30	4 - 6 Peak Hour	16:45	16:45			16:45
7 - 9 Pk Volume	174	308	0	0	472	4 - 6 Pk Volume	227	211	0	0	438
Pk Hr Factor	0.777	0.740	0.000	0.000	0.797	Pk Hr Factor	0.847	0.799	0.000	0.000	0.883

Prepared by NDS/ATD

Prepared by National Data & Surveying Services

VOLUME

Montrose Dr N/O Target/Trader Joe's Shopping Center Dwy

Day: Friday
Date: 9/16/2022

City: Folsom
Project #: CA22_070181_002

DAILY TOTALS	NB	SB	EB	WB	Total
	2,529	3,030	0	0	5,559

AM Period	NB		SB		EB	WB	TOTAL		PM Period	NB		SB		EB	WB	TOTAL	
00:00	0		0		0	0			12:00	39		60		0	0	99	
00:15	0		0		0	0			12:15	44		52		0	0	96	
00:30	0		0		0	0			12:30	56		56		0	0	112	
00:45	0		0		0	0			12:45	38	177	53	221	0	0	91	398
01:00	0		0		0	0			13:00	52		51		0	0	103	
01:15	0		0		0	0			13:15	51		39		0	0	90	
01:30	0		0		0	0			13:30	60		47		0	0	107	
01:45	0		0		0	0			13:45	42	205	70	207	0	0	112	412
02:00	0		0		0	0			14:00	57		43		0	0	100	
02:15	0		0		0	0			14:15	65		72		0	0	137	
02:30	0		0		0	0			14:30	74		50		0	0	124	
02:45	0		0		0	0			14:45	70	266	92	257	0	0	162	523
03:00	0		0		0	0			15:00	70		103		0	0	173	
03:15	0		0		0	0			15:15	52		52		0	0	104	
03:30	0		0		0	0			15:30	52		83		0	0	135	
03:45	0		0		0	0			15:45	53	227	50	288	0	0	103	515
04:00	0		0		0	0			16:00	62		50		0	0	112	
04:15	0		0		0	0			16:15	55		58		0	0	113	
04:30	0		0		0	0			16:30	55		65		0	0	120	
04:45	0		0		0	0			16:45	57	229	64	237	0	0	121	466
05:00	0		0		0	0			17:00	52		51		0	0	103	
05:15	0		0		0	0			17:15	54		47		0	0	101	
05:30	0		0		0	0			17:30	52		54		0	0	106	
05:45	0		0		0	0			17:45	39	197	58	210	0	0	97	407
06:00	5		20		0	0	25		18:00	47		46		0	0	93	
06:15	10		15		0	0	25		18:15	37		48		0	0	85	
06:30	7		17		0	0	24		18:30	51		38		0	0	89	
06:45	9	31	27	79	0	0	36	110	18:45	45	180	36	168	0	0	81	348
07:00	8		25		0	0	33		19:00	42		26		0	0	68	
07:15	12		33		0	0	45		19:15	35		29		0	0	64	
07:30	41		31		0	0	72		19:30	39		28		0	0	67	
07:45	53	114	82	171	0	0	135	285	19:45	25	141	30	113	0	0	55	254
08:00	36		97		0	0	133		20:00	37		45		0	0	82	
08:15	23		56		0	0	79		20:15	30		19		0	0	49	
08:30	37		50		0	0	87		20:30	20		11		0	0	31	
08:45	33	129	51	254	0	0	84	383	20:45	22	109	15	90	0	0	37	199
09:00	29		63		0	0	92		21:00	17		13		0	0	30	
09:15	34		46		0	0	80		21:15	22		14		0	0	36	
09:30	27		49		0	0	76		21:30	13		5		0	0	18	
09:45	28	118	42	200	0	0	70	318	21:45	18	70	7	39	0	0	25	109
10:00	44		44		0	0	88		22:00	0		0		0	0		
10:15	20		53		0	0	73		22:15	0		0		0	0		
10:30	29		55		0	0	84		22:30	0		0		0	0		
10:45	42	135	46	198	0	0	88	333	22:45	0		0		0	0		
11:00	58		66		0	0	124		23:00	0		0		0	0		
11:15	51		83		0	0	134		23:15	0		0		0	0		
11:30	40		87		0	0	127		23:30	0		0		0	0		
11:45	52	201	62	298	0	0	114	499	23:45	0		0		0	0		
TOTALS		728		1200				1928	TOTALS		1801		1830				3631
SPLIT %		37.8%		62.2%				34.7%	SPLIT %		49.6%		50.4%				65.3%

DAILY TOTALS	NB	SB	EB	WB	Total
	2,529	3,030	0	0	5,559

AM Peak Hour	11:00	11:00			11:00	PM Peak Hour	14:15	14:45			14:15
AM Pk Volume	201	298			499	PM Pk Volume	279	330			596
Pk Hr Factor	0.866	0.856			0.931	Pk Hr Factor	0.943	0.801			0.861
7 - 9 Volume	243	425	0	0	668	4 - 6 Volume	426	447	0	0	873
7 - 9 Peak Hour	07:30	07:45			07:45	4 - 6 Peak Hour	16:00	16:15			16:00
7 - 9 Pk Volume	153	285	0	0	434	4 - 6 Pk Volume	229	238	0	0	466
Pk Hr Factor	0.722	0.735	0.000	0.000	0.804	Pk Hr Factor	0.923	0.915	0.000	0.000	0.963

Prepared by NDS/ATD

Prepared by National Data & Surveying Services

VOLUME

Montrose Dr N/O Target/Trader Joe's Shopping Center Dwy

Day: Saturday
Date: 8/27/2022

City: Folsom
Project #: CA22_070181_002

DAILY TOTALS	NB	SB	EB	WB	Total
	2,124	2,398	0	0	4,522

AM Period	NB		SB		EB	WB	TOTAL		PM Period	NB		SB		EB	WB	TOTAL	
00:00	0		0		0	0			12:00	50		62		0	0	112	
00:15	0		0		0	0			12:15	48		61		0	0	109	
00:30	0		0		0	0			12:30	45		70		0	0	115	
00:45	0		0		0	0			12:45	52	195	49	242	0	0	101	437
01:00	0		0		0	0			13:00	56		37		0	0	93	
01:15	0		0		0	0			13:15	55		58		0	0	113	
01:30	0		0		0	0			13:30	47		57		0	0	104	
01:45	0		0		0	0			13:45	56	214	58	210	0	0	114	424
02:00	0		0		0	0			14:00	43		53		0	0	96	
02:15	0		0		0	0			14:15	42		46		0	0	88	
02:30	0		0		0	0			14:30	45		51		0	0	96	
02:45	0		0		0	0			14:45	36	166	42	192	0	0	78	358
03:00	0		0		0	0			15:00	50		57		0	0	107	
03:15	0		0		0	0			15:15	45		51		0	0	96	
03:30	0		0		0	0			15:30	52		44		0	0	96	
03:45	0		0		0	0			15:45	44	191	39	191	0	0	83	382
04:00	0		0		0	0			16:00	46		44		0	0	90	
04:15	0		0		0	0			16:15	52		43		0	0	95	
04:30	0		0		0	0			16:30	54		40		0	0	94	
04:45	0		0		0	0			16:45	49	201	37	164	0	0	86	365
05:00	0		0		0	0			17:00	51		33		0	0	84	
05:15	0		0		0	0			17:15	38		40		0	0	78	
05:30	0		0		0	0			17:30	39		41		0	0	80	
05:45	0		0		0	0			17:45	45	173	32	146	0	0	77	319
06:00	2		6		0	0	8		18:00	37		72		0	0	109	
06:15	9		11		0	0	20		18:15	30		41		0	0	71	
06:30	4		8		0	0	12		18:30	34		27		0	0	61	
06:45	9	24	12	37	0	0	21	61	18:45	31	132	34	174	0	0	65	306
07:00	9		16		0	0	25		19:00	35		38		0	0	73	
07:15	7		19		0	0	26		19:15	24		31		0	0	55	
07:30	5		12		0	0	17		19:30	27		22		0	0	49	
07:45	7	28	12	59	0	0	19	87	19:45	34	120	18	109	0	0	52	229
08:00	9		40		0	0	49		20:00	19		20		0	0	39	
08:15	19		28		0	0	47		20:15	29		6		0	0	35	
08:30	26		39		0	0	65		20:30	15		11		0	0	26	
08:45	20	74	34	141	0	0	54	215	20:45	15	78	17	54	0	0	32	132
09:00	34		43		0	0	77		21:00	18		14		0	0	32	
09:15	20		45		0	0	65		21:15	17		7		0	0	24	
09:30	34		47		0	0	81		21:30	10		13		0	0	23	
09:45	43	131	30	165	0	0	73	296	21:45	13	58	10	44	0	0	23	102
10:00	50		49		0	0	99		22:00	0		0		0	0		
10:15	25		55		0	0	80		22:15	0		0		0	0		
10:30	30		62		0	0	92		22:30	0		0		0	0		
10:45	63	168	64	230	0	0	127	398	22:45	0		0		0	0		
11:00	44		54		0	0	98		23:00	0		0		0	0		
11:15	39		67		0	0	106		23:15	0		0		0	0		
11:30	40		58		0	0	98		23:30	0		0		0	0		
11:45	48	171	61	240	0	0	109	411	23:45	0		0		0	0		
TOTALS		596		872				1468	TOTALS		1528		1526				3054
SPLIT %		40.6%		59.4%				32.5%	SPLIT %		50.0%		50.0%				67.5%

DAILY TOTALS	NB	SB	EB	WB	Total
	2,124	2,398	0	0	4,522

AM Peak Hour	11:45	11:45			11:45	PM Peak Hour	13:00	12:00			12:00
AM Pk Volume	191	254			445	PM Pk Volume	214	242			437
Pk Hr Factor	0.955	0.907			0.967	Pk Hr Factor	0.955	0.864			0.950
7 - 9 Volume	102	200	0	0	302	4 - 6 Volume	374	310	0	0	684
7 - 9 Peak Hour	08:00	08:00			08:00	4 - 6 Peak Hour	16:15	16:00			16:00
7 - 9 Pk Volume	74	141	0	0	215	4 - 6 Pk Volume	206	164	0	0	365
Pk Hr Factor	0.712	0.881	0.000	0.000	0.827	Pk Hr Factor	0.954	0.932	0.000	0.000	0.961

Prepared by NDS/ATD

Prepared by National Data & Surveying Services

VOLUME

Montrose Dr S/O Target/Trader Joe's Shopping Center Dwy

Day: Thursday
Date: 9/8/2022

City: Folsom
Project #: CA22_070181_001

DAILY TOTALS	NB	SB	EB	WB	Total
	2,228	3,286	0	0	5,514

AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB		SB		EB	WB	TOTAL	
00:00	0	0	0	0			12:00	66		71		0	0	137	
00:15	0	0	0	0			12:15	36		113		0	0	149	
00:30	0	0	0	0			12:30	37		55		0	0	92	
00:45	0	0	0	0			12:45	53	192	56	295	0	0	109	487
01:00	0	0	0	0			13:00	42		65		0	0	107	
01:15	0	0	0	0			13:15	32		72		0	0	104	
01:30	0	0	0	0			13:30	40		63		0	0	103	
01:45	0	0	0	0			13:45	47	161	59	259	0	0	106	420
02:00	0	0	0	0			14:00	46		59		0	0	105	
02:15	0	0	0	0			14:15	41		68		0	0	109	
02:30	0	0	0	0			14:30	45		46		0	0	91	
02:45	0	0	0	0			14:45	44	176	72	245	0	0	116	421
03:00	0	0	0	0			15:00	37		56		0	0	93	
03:15	0	0	0	0			15:15	49		62		0	0	111	
03:30	0	0	0	0			15:30	28		68		0	0	96	
03:45	0	0	0	0			15:45	54	168	48	234	0	0	102	402
04:00	0	0	0	0			16:00	40		66		0	0	106	
04:15	0	0	0	0			16:15	50		62		0	0	112	
04:30	0	0	0	0			16:30	36		62		0	0	98	
04:45	0	0	0	0			16:45	48	174	71	261	0	0	119	435
05:00	0	0	0	0			17:00	63		62		0	0	125	
05:15	0	0	0	0			17:15	55		56		0	0	111	
05:30	0	0	0	0			17:30	50		48		0	0	98	
05:45	0	0	0	0			17:45	37	205	55	221	0	0	92	426
06:00	4	18	0	0	22		18:00	44		52		0	0	96	
06:15	16	21	0	0	37		18:15	44		41		0	0	85	
06:30	7	18	0	0	25		18:30	38		48		0	0	86	
06:45	6	33	18	75	0	0	24	108	18:45	32	158	40	181	0	0	72	339
07:00	11	30	0	0	41		19:00	41		41		0	0	82	
07:15	22	42	0	0	64		19:15	35		41		0	0	76	
07:30	42	43	0	0	85		19:30	29		42		0	0	71	
07:45	58	133	86	201	0	0	144	334	19:45	23	128	36	160	0	0	59	288
08:00	35	96	0	0	131		20:00	32		38		0	0	70	
08:15	41	60	0	0	101		20:15	30		32		0	0	62	
08:30	39	53	0	0	92		20:30	28		30		0	0	58	
08:45	27	142	64	273	0	0	91	415	20:45	12	102	25	125	0	0	37	227
09:00	30	59	0	0	89		21:00	11		20		0	0	31	
09:15	27	44	0	0	71		21:15	12		20		0	0	32	
09:30	27	58	0	0	85		21:30	17		12		0	0	29	
09:45	34	118	55	216	0	0	89	334	21:45	7	47	14	66	0	0	21	113
10:00	28	51	0	0	79		22:00	0		0		0	0		
10:15	29	72	0	0	101		22:15	0		0		0	0		
10:30	32	42	0	0	74		22:30	0		0		0	0		
10:45	40	129	54	219	0	0	94	348	22:45	0		0		0	0		
11:00	44	50	0	0	94		23:00	0		0		0	0		
11:15	30	72	0	0	102		23:15	0		0		0	0		
11:30	40	78	0	0	118		23:30	0		0		0	0		
11:45	48	162	55	255	0	0	103	417	23:45	0		0		0	0		
TOTALS		717		1239				1956	TOTALS		1511		2047				3558
SPLIT %		36.7%		63.3%				35.5%	SPLIT %		42.5%		57.5%				64.5%

DAILY TOTALS	NB	SB	EB	WB	Total
	2,228	3,286	0	0	5,514

AM Peak Hour	11:30	11:30			11:30	PM Peak Hour	16:45	12:00			12:00
AM Pk Volume	190	317			507	PM Pk Volume	216	295			487
Pk Hr Factor	0.720	0.701			0.851	Pk Hr Factor	0.857	0.653			0.817
7 - 9 Volume	275	474	0	0	749	4 - 6 Volume	379	482	0	0	861
7 - 9 Peak Hour	07:30	07:45			07:45	4 - 6 Peak Hour	16:45	16:00			16:15
7 - 9 Pk Volume	176	295	0	0	468	4 - 6 Pk Volume	216	261	0	0	454
Pk Hr Factor	0.759	0.768	0.000	0.000	0.813	Pk Hr Factor	0.857	0.919	0.000	0.000	0.908

Prepared by NDS/ATD

Prepared by National Data & Surveying Services

VOLUME

Montrose Dr S/O Target/Trader Joe's Shopping Center Dwy

Day: Friday
Date: 9/16/2022

City: Folsom
Project #: CA22_070181_001

DAILY TOTALS	NB	SB	EB	WB	Total
	2,483	3,613	0	0	6,096

AM Period	NB		SB		EB	WB	TOTAL		PM Period	NB		SB		EB	WB	TOTAL	
00:00	0		0		0	0			12:00	39		70		0	0	109	
00:15	0		0		0	0			12:15	42		62		0	0	104	
00:30	0		0		0	0			12:30	46		67		0	0	113	
00:45	0		0		0	0			12:45	34	161	70	269	0	0	104	430
01:00	0		0		0	0			13:00	48		60		0	0	108	
01:15	0		0		0	0			13:15	51		58		0	0	109	
01:30	0		0		0	0			13:30	58		55		0	0	113	
01:45	0		0		0	0			13:45	39	196	69	242	0	0	108	438
02:00	0		0		0	0			14:00	57		63		0	0	120	
02:15	0		0		0	0			14:15	73		88		0	0	161	
02:30	0		0		0	0			14:30	71		64		0	0	135	
02:45	0		0		0	0			14:45	67	268	93	308	0	0	160	576
03:00	0		0		0	0			15:00	54		98		0	0	152	
03:15	0		0		0	0			15:15	57		57		0	0	114	
03:30	0		0		0	0			15:30	44		103		0	0	147	
03:45	0		0		0	0			15:45	57	212	64	322	0	0	121	534
04:00	0		0		0	0			16:00	62		76		0	0	138	
04:15	0		0		0	0			16:15	57		73		0	0	130	
04:30	0		0		0	0			16:30	49		86		0	0	135	
04:45	0		0		0	0			16:45	53	221	73	308	0	0	126	529
05:00	0		0		0	0			17:00	49		60		0	0	109	
05:15	0		0		0	0			17:15	59		66		0	0	125	
05:30	0		0		0	0			17:30	44		69		0	0	113	
05:45	0		0		0	0			17:45	39	191	64	259	0	0	103	450
06:00	6		22		0	0	28		18:00	47		70		0	0	117	
06:15	10		17		0	0	27		18:15	36		61		0	0	97	
06:30	11		19		0	0	30		18:30	47		51		0	0	98	
06:45	11	38	22	80	0	0	33	118	18:45	34	164	53	235	0	0	87	399
07:00	10		29		0	0	39		19:00	40		38		0	0	78	
07:15	12		37		0	0	49		19:15	37		44		0	0	81	
07:30	44		33		0	0	77		19:30	35		38		0	0	73	
07:45	53	119	75	174	0	0	128	293	19:45	27	139	38	158	0	0	65	297
08:00	37		84		0	0	121		20:00	37		56		0	0	93	
08:15	30		62		0	0	92		20:15	28		39		0	0	67	
08:30	38		50		0	0	88		20:30	20		22		0	0	42	
08:45	35	140	51	247	0	0	86	387	20:45	20	105	17	134	0	0	37	239
09:00	25		75		0	0	100		21:00	20		16		0	0	36	
09:15	33		53		0	0	86		21:15	22		20		0	0	42	
09:30	33		57		0	0	90		21:30	14		7		0	0	21	
09:45	29	120	51	236	0	0	80	356	21:45	10	66	12	55	0	0	22	121
10:00	32		49		0	0	81		22:00	0		0		0	0		
10:15	34		57		0	0	91		22:15	0		0		0	0		
10:30	36		56		0	0	92		22:30	0		0		0	0		
10:45	50	152	60	222	0	0	110	374	22:45	0		0		0	0		
11:00	57		88		0	0	145		23:00	0		0		0	0		
11:15	54		96		0	0	150		23:15	0		0		0	0		
11:30	38		98		0	0	136		23:30	0		0		0	0		
11:45	42	191	82	364	0	0	124	555	23:45	0		0		0	0		
TOTALS		760		1323				2083	TOTALS		1723		2290				4013
SPLIT %		36.5%		63.5%				34.2%	SPLIT %		42.9%		57.1%				65.8%

DAILY TOTALS	NB	SB	EB	WB	Total
	2,483	3,613	0	0	6,096

AM Peak Hour	10:45	11:00			11:00	PM Peak Hour	14:00	14:45			14:15
AM Pk Volume	199	364			555	PM Pk Volume	268	351			608
Pk Hr Factor	0.873	0.929			0.925	Pk Hr Factor	0.918	0.852			0.944
7 - 9 Volume	259	421	0	0	680	4 - 6 Volume	412	567	0	0	979
7 - 9 Peak Hour	07:30	07:45			07:45	4 - 6 Peak Hour	16:00	16:00			16:00
7 - 9 Pk Volume	164	271	0	0	429	4 - 6 Pk Volume	221	308	0	0	529
Pk Hr Factor	0.774	0.807	0.000	0.000	0.838	Pk Hr Factor	0.891	0.895	0.000	0.000	0.958

Prepared by NDS/ATD

Prepared by National Data & Surveying Services

VOLUME

Montrose Dr S/O Target/Trader Joe's Shopping Center Dwy

Day: Saturday
Date: 8/27/2022

City: Folsom
Project #: CA22_070181_001

DAILY TOTALS	NB	SB	EB	WB	Total
	2,096	3,034	0	0	5,130

AM Period	NB		SB		EB	WB	TOTAL		PM Period	NB		SB		EB	WB	TOTAL	
00:00	0		0		0	0			12:00	50		67		0	0	117	
00:15	0		0		0	0			12:15	47		69		0	0	116	
00:30	0		0		0	0			12:30	38		75		0	0	113	
00:45	0		0		0	0			12:45	46	181	65	276	0	0	111	457
01:00	0		0		0	0			13:00	59		52		0	0	111	
01:15	0		0		0	0			13:15	58		70		0	0	128	
01:30	0		0		0	0			13:30	44		73		0	0	117	
01:45	0		0		0	0			13:45	50	211	77	272	0	0	127	483
02:00	0		0		0	0			14:00	51		63		0	0	114	
02:15	0		0		0	0			14:15	41		68		0	0	109	
02:30	0		0		0	0			14:30	46		72		0	0	118	
02:45	0		0		0	0			14:45	39	177	59	262	0	0	98	439
03:00	0		0		0	0			15:00	64		63		0	0	127	
03:15	0		0		0	0			15:15	46		67		0	0	113	
03:30	0		0		0	0			15:30	56		54		0	0	110	
03:45	0		0		0	0			15:45	42	208	57	241	0	0	99	449
04:00	0		0		0	0			16:00	47		58		0	0	105	
04:15	0		0		0	0			16:15	48		57		0	0	105	
04:30	0		0		0	0			16:30	52		49		0	0	101	
04:45	0		0		0	0			16:45	51	198	62	226	0	0	113	424
05:00	0		0		0	0			17:00	49		53		0	0	102	
05:15	0		0		0	0			17:15	34		62		0	0	96	
05:30	0		0		0	0			17:30	38		54		0	0	92	
05:45	0		0		0	0			17:45	39	160	54	223	0	0	93	383
06:00	2		3		0	0	5		18:00	34		86		0	0	120	
06:15	9		9		0	0	18		18:15	32		49		0	0	81	
06:30	2		7		0	0	9		18:30	27		46		0	0	73	
06:45	10	23	9	28	0	0	19	51	18:45	35	128	37	218	0	0	72	346
07:00	10		13		0	0	23		19:00	31		57		0	0	88	
07:15	9		19		0	0	28		19:15	23		36		0	0	59	
07:30	5		17		0	0	22		19:30	28		26		0	0	54	
07:45	7	31	13	62	0	0	20	93	19:45	28	110	26	145	0	0	54	255
08:00	9		36		0	0	45		20:00	17		32		0	0	49	
08:15	12		30		0	0	42		20:15	21		13		0	0	34	
08:30	25		39		0	0	64		20:30	14		19		0	0	33	
08:45	21	67	42	147	0	0	63	214	20:45	14	66	21	85	0	0	35	151
09:00	33		42		0	0	75		21:00	13		23		0	0	36	
09:15	20		50		0	0	70		21:15	16		11		0	0	27	
09:30	33		51		0	0	84		21:30	13		18		0	0	31	
09:45	47	133	49	192	0	0	96	325	21:45	12	54	11	63	0	0	23	117
10:00	50		69		0	0	119		22:00	0		0		0	0		
10:15	32		65		0	0	97		22:15	0		0		0	0		
10:30	44		69		0	0	113		22:30	0		0		0	0		
10:45	52	178	72	275	0	0	124	453	22:45	0		0		0	0		
11:00	36		72		0	0	108		23:00	0		0		0	0		
11:15	45		82		0	0	127		23:15	0		0		0	0		
11:30	45		90		0	0	135		23:30	0		0		0	0		
11:45	45	171	75	319	0	0	120	490	23:45	0		0		0	0		
TOTALS		603		1023				1626	TOTALS		1493		2011				3504
SPLIT %		37.1%		62.9%				31.7%	SPLIT %		42.6%		57.4%				68.3%

DAILY TOTALS	NB	SB	EB	WB	Total
	2,096	3,034	0	0	5,130

AM Peak Hour	11:30	11:00			11:15	PM Peak Hour	13:00	13:15			13:15
AM Pk Volume	187	319			499	PM Pk Volume	211	283			486
Pk Hr Factor	0.935	0.886			0.924	Pk Hr Factor	0.894	0.919			0.949
7 - 9 Volume	98	209	0	0	307	4 - 6 Volume	358	449	0	0	807
7 - 9 Peak Hour	08:00	08:00			08:00	4 - 6 Peak Hour	16:15	16:45			16:00
7 - 9 Pk Volume	67	147	0	0	214	4 - 6 Pk Volume	200	231	0	0	424
Pk Hr Factor	0.670	0.875	0.000	0.000	0.836	Pk Hr Factor	0.962	0.931	0.000	0.000	0.938

Prepared by NDS/ATD

VOLUME

Target Dwy E/O Montrose Dr

Day: Thursday
Date: 9/8/2022

City: Folsom
Project #: CA22_070181_003

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	1,022	985	2,007

AM Period	NB		SB		EB		WB		TOTAL	
00:00									0	
00:15									0	
00:30									0	
00:45									0	
01:00									0	
01:15									0	
01:30									0	
01:45									0	
02:00									0	
02:15									0	
02:30									0	
02:45									0	
03:00									0	
03:15									0	
03:30									0	
03:45									0	
04:00									0	
04:15									0	
04:30									0	
04:45									0	
05:00									0	
05:15									0	
05:30									0	
05:45									0	
06:00			4		2				6	
06:15			6		5				11	
06:30			3		4				7	
06:45			1	14	2	13			3	27
07:00			3		3				6	
07:15			2		7				9	
07:30			1		5				6	
07:45			11	17	4	19			15	36
08:00			13		6				19	
08:15			3		7				10	
08:30			13		4				17	
08:45			16	45	14	31			30	76
09:00			19		10				29	
09:15			10		12				22	
09:30			14		13				27	
09:45			12	55	16	51			28	106
10:00			17		21				38	
10:15			20		29				49	
10:30			13		22				35	
10:45			23	73	30	102			53	175
11:00			22		13				35	
11:15			21		17				38	
11:30			26		19				45	
11:45			24	93	26	75			50	168
TOTALS				297		291				**588**
SPLIT %				50.5%		49.5%				**29.3%**

PM Period	NB		SB		EB		WB		TOTAL	
12:00					34		19		53	
12:15					10		25		35	
12:30					20		19		39	
12:45					21	85	25	88	46	173
13:00					27		18		45	
13:15					21		23		44	
13:30					23		25		48	
13:45					23	94	18	84	41	178
14:00					16		25		41	
14:15					15		18		33	
14:30					17		11		28	
14:45					25	73	20	74	45	147
15:00					18		12		30	
15:15					24		17		41	
15:30					22		19		41	
15:45					18	82	14	62	32	144
16:00					28		25		53	
16:15					27		22		49	
16:30					14		20		34	
16:45					24	93	22	89	46	182
17:00					23		14		37	
17:15					35		25		60	
17:30					27		21		48	
17:45					16	101	19	79	35	180
18:00					22		25		47	
18:15					22		18		40	
18:30					25		19		44	
18:45					14	83	16	78	30	161
19:00					19		20		39	
19:15					13		14		27	
19:30					11		14		25	
19:45					11	54	18	66	29	120
20:00					13		16		29	
20:15					14		10		24	
20:30					12		13		25	
20:45					4	43	9	48	13	91
21:00					7		8		15	
21:15					4		6		10	
21:30					5		3		8	
21:45					1	17	9	26	10	43
22:00									0	
22:15									0	
22:30									0	
22:45									0	
23:00									0	
23:15									0	
23:30									0	
23:45									0	
TOTALS							725	694		**1419**
SPLIT %							51.1%	48.9%		**70.7%**

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	1,022	985	2,007

AM Peak Hour				11:15	10:00	**11:15**	**PM Peak Hour**			16:45	12:45	**16:45**
AM Pk Volume				105	102	**186**	**PM Pk Volume**			109	91	**191**
Pk Hr Factor				0.772	0.850	**0.877**	**Pk Hr Factor**			0.779	0.910	**0.796**
7 - 9 Volume	0		0	62	50	**112**	**4 - 6 Volume**	0	0	194	168	**362**
7 - 9 Peak Hour				08:00	08:00	**08:00**	**4 - 6 Peak Hour**			16:45	16:00	**16:45**
7 - 9 Pk Volume	0		0	45	31	**76**	**4 - 6 Pk Volume**	0	0	109	89	**191**
Pk Hr Factor	0.000		0.000	0.703	0.554	**0.633**	**Pk Hr Factor**	0.000	0.000	0.779	0.890	**0.796**

Prepared by NDS/ATD

VOLUME

Target Dwy E/O Montrose Dr

Day: Friday
Date: 9/16/2022

City: Folsom
Project #: CA22_070181_003

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	1,077	992	2,069

AM Period	NB		SB		EB		WB		TOTAL	
00:00									0	
00:15									0	
00:30									0	
00:45									0	
01:00									0	
01:15									0	
01:30									0	
01:45									0	
02:00									0	
02:15									0	
02:30									0	
02:45									0	
03:00									0	
03:15									0	
03:30									0	
03:45									0	
04:00									0	
04:15									0	
04:30									0	
04:45									0	
05:00									0	
05:15									0	
05:30									0	
05:45									0	
06:00			4		5				9	
06:15			2		2				4	
06:30			3		3				6	
06:45			5	14	1	11			6	25
07:00			2		4				6	
07:15			2		4				6	
07:30			5		4				9	
07:45			6	15	5	17			11	32
08:00			5		3				8	
08:15			15		5				20	
08:30			13		6				19	
08:45			14	47	11	25			25	72
09:00			12		11				23	
09:15			17		14				31	
09:30			14		16				30	
09:45			14	57	15	56			29	113
10:00			16		17				33	
10:15			22		10				32	
10:30			29		23				52	
10:45			20	87	15	65			35	152
11:00			18		35				53	
11:15			32		23				55	
11:30			22		14				36	
11:45			21	93	28	100			49	193
TOTALS				313		274				587
SPLIT %				53.3%		46.7%				28.4%

PM Period	NB		SB		EB		WB		TOTAL	
12:00					23		18		41	
12:15					26		20		46	
12:30					27		29		56	
12:45					19	95	18	85	37	180
13:00					28		27		55	
13:15					16		18		34	
13:30					19		15		34	
13:45					31	94	22	82	53	176
14:00					19		26		45	
14:15					34		26		60	
14:30					21		25		46	
14:45					33	107	20	97	53	204
15:00					33		28		61	
15:15					27		20		47	
15:30					22		18		40	
15:45					24	106	17	83	41	189
16:00					28		32		60	
16:15					24		25		49	
16:30					25		17		42	
16:45					25	102	17	91	42	193
17:00					30		19		49	
17:15					20		18		38	
17:30					20		22		42	
17:45					22	92	16	75	38	167
18:00					18		19		37	
18:15					21		19		40	
18:30					15		18		33	
18:45					12	66	16	72	28	138
19:00					10		18		28	
19:15					16		19		35	
19:30					11		19		30	
19:45					17	54	12	68	29	122
20:00					7		16		23	
20:15					9		14		23	
20:30					13		10		23	
20:45					5	34	5	45	10	79
21:00					8		3		11	
21:15					4		5		9	
21:30					2		4		6	
21:45					0	14	8	20	8	34
22:00									0	
22:15									0	
22:30									0	
22:45									0	
23:00									0	
23:15									0	
23:30									0	
23:45									0	
TOTALS					764		718			1482
SPLIT %					51.6%		48.4%			71.6%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	1,077	992	2,069

AM Peak Hour			10:30	11:00	**10:30**	PM Peak Hour			14:15	13:45	**14:15**
AM Pk Volume			99	100	**195**	PM Pk Volume			121	99	**220**
Pk Hr Factor			0.773	0.714	**0.886**	Pk Hr Factor			0.890	0.952	**0.902**
7 - 9 Volume	0	0	62	42	**104**	4 - 6 Volume	0	0	194	166	**360**
7 - 9 Peak Hour			08:00	08:00	**08:00**	4 - 6 Peak Hour			16:15	16:00	**16:00**
7 - 9 Pk Volume	0	0	47	25	**72**	4 - 6 Pk Volume	0	0	104	91	**193**
Pk Hr Factor	0.000	0.000	0.783	0.568	**0.720**	Pk Hr Factor	0.000	0.000	0.867	0.711	**0.804**

Prepared by NDS/ATD

VOLUME

Target Dwy E/O Montrose Dr

Day: Saturday
Date: 8/27/2022

City: Folsom
Project #: CA22_070181_003

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	1,022	913	1,935

AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL	
00:00					0		12:00			29	22	51	
00:15					0		12:15			22	12	34	
00:30					0		12:30			19	22	41	
00:45					0		12:45			25	95 26	82 51	177
01:00					0		13:00			34	21	55	
01:15					0		13:15			25	23	48	
01:30					0		13:30			21	27	48	
01:45					0		13:45			31	111 30	101 61	212
02:00					0		14:00			27	17	44	
02:15					0		14:15			21	22	43	
02:30					0		14:30			31	19	50	
02:45					0		14:45			26	105 23	81 49	186
03:00					0		15:00			40	23	63	
03:15					0		15:15			28	20	48	
03:30					0		15:30			28	24	52	
03:45					0		15:45			27	123 23	90 50	213
04:00					0		16:00			26	20	46	
04:15					0		16:15			14	23	37	
04:30					0		16:30			20	17	37	
04:45					0		16:45			19	79 20	80 39	159
05:00					0		17:00			18	18	36	
05:15					0		17:15			12	17	29	
05:30					0		17:30			19	24	43	
05:45					0		17:45			11	60 9	68 20	128
06:00	1		0		1		18:00			17	14	31	
06:15	2		0		2		18:15			12	16	28	
06:30	0		0		0		18:30			4	18	22	
06:45	6	9	2	2	8	11	18:45			17	50 10	58 27	108
07:00	3		0		3		19:00			9	10	19	
07:15	4		1		5		19:15			14	9	23	
07:30	1		3		4		19:30			10	13	23	
07:45	2	10	3	7	5	17	19:45			13	46 12	44 25	90
08:00	6		9		15		20:00			9	4	13	
08:15	12		7		19		20:15			9	5	14	
08:30	9		9		18		20:30			8	12	20	
08:45	7	34	4	29	11	63	20:45			9	35 4	25 13	60
09:00	17		11		28		21:00			4	7	11	
09:15	18		15		33		21:15			1	2	3	
09:30	21		12		33		21:30			4	3	7	
09:45	24	80	22	60	46	140	21:45			1	10 3	15 4	25
10:00	12		19		31		22:00					0	
10:15	23		24		47		22:15					0	
10:30	28		19		47		22:30					0	
10:45	24	87	22	84	46	171	22:45					0	
11:00	15		24		39		23:00					0	
11:15	30		22		52		23:15					0	
11:30	23		16		39		23:30					0	
11:45	20	88	25	87	45	175	23:45					0	
TOTALS		308		269		577	TOTALS			714	644		1358
SPLIT %		53.4%		46.6%		29.8%	SPLIT %			52.6%	47.4%		70.2%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	1,022	913	1,935

AM Peak Hour			11:15	10:15	11:15	PM Peak Hour			14:30	13:00	15:00
AM Pk Volume			102	89	187	PM Pk Volume			125	101	213
Pk Hr Factor			0.850	0.927	0.899	Pk Hr Factor			0.781	0.842	0.845
7 - 9 Volume	0	0	44	36	80	4 - 6 Volume	0	0	139	148	287
7 - 9 Peak Hour			08:00	08:00	08:00	4 - 6 Peak Hour			16:00	16:00	16:00
7 - 9 Pk Volume	0	0	34	29	63	4 - 6 Pk Volume	0	0	79	80	159
Pk Hr Factor	0.000	0.000	0.708	0.806	0.829	Pk Hr Factor	0.000	0.000	0.760	0.870	0.864

Prepared by NDS/ATD

VOLUME

Trader Joe's Shopping Center Dwy W/O Montrose Dr

Day: Thursday
Date: 9/8/2022

City: Folsom
Project #: CA22_070181_004

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	1,829	1,138	2,967

AM Period	NB		SB		EB		WB		TOTAL	
00:00									0	
00:15									0	
00:30									0	
00:45									0	
01:00									0	
01:15									0	
01:30									0	
01:45									0	
02:00									0	
02:15									0	
02:30									0	
02:45									0	
03:00									0	
03:15									0	
03:30									0	
03:45									0	
04:00									0	
04:15									0	
04:30									0	
04:45									0	
05:00									0	
05:15									0	
05:30									0	
05:45									0	
06:00			1		1				2	
06:15			3		1				4	
06:30			4		4				8	
06:45			2	10	2	8			4	18
07:00			2		1				3	
07:15			4		1				5	
07:30			2		2				4	
07:45			4	12	5	9			9	21
08:00			12		14				26	
08:15			12		18				30	
08:30			24		19				43	
08:45			29	77	22	73			51	150
09:00			30		25				55	
09:15			27		13				40	
09:30			28		21				49	
09:45			19	104	18	77			37	181
10:00			34		30				64	
10:15			43		34				77	
10:30			36		36				72	
10:45			38	151	27	127			65	278
11:00			38		26				64	
11:15			46		26				72	
11:30			48		33				81	
11:45			47	179	27	112			74	291
TOTALS				533		406				939
SPLIT %				56.8%		43.2%				31.6%

PM Period	NB		SB		EB		WB		TOTAL	
12:00					47		27		74	
12:15					48		25		73	
12:30					33		27		60	
12:45					44	172	35	114	79	286
13:00					59		17		76	
13:15					46		24		70	
13:30					44		24		68	
13:45					38	187	27	92	65	279
14:00					44		32		76	
14:15					50		25		75	
14:30					45		18		63	
14:45					48	187	34	109	82	296
15:00					45		14		59	
15:15					38		23		61	
15:30					36		19		55	
15:45					35	154	26	82	61	236
16:00					46		29		75	
16:15					47		23		70	
16:30					44		22		66	
16:45					33	170	22	96	55	266
17:00					34		16		50	
17:15					42		29		71	
17:30					41		19		60	
17:45					32	149	24	88	56	237
18:00					28		22		50	
18:15					28		15		43	
18:30					31		17		48	
18:45					27	114	13	67	40	181
19:00					27		15		42	
19:15					23		15		38	
19:30					21		12		33	
19:45					16	87	9	51	25	138
20:00					16		10		26	
20:15					11		12		23	
20:30					17		9		26	
20:45					15	59	1	32	16	91
21:00					8		1		9	
21:15					5		0		5	
21:30					1		0		1	
21:45					3	17	0	1	3	18
22:00									0	
22:15									0	
22:30									0	
22:45									0	
23:00									0	
23:15									0	
23:30									0	
23:45									0	
TOTALS						1296		732		2028
SPLIT %						63.9%		36.1%		68.4%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	1,829	1,138	2,967

AM Peak Hour			11:30	10:00	**11:30**	PM Peak Hour			12:45	12:00	**14:00**
AM Pk Volume			190	127	**302**	PM Pk Volume			193	114	**296**
Pk Hr Factor			0.990	0.882	**0.932**	Pk Hr Factor			0.818	0.814	**0.902**
7 - 9 Volume	0	0	89	82	**171**	4 - 6 Volume	0	0	319	184	**503**
7 - 9 Peak Hour			08:00	08:00	**08:00**	4 - 6 Peak Hour			16:00	16:00	**16:00**
7 - 9 Pk Volume	0	0	77	73	**150**	4 - 6 Pk Volume	0	0	170	96	**266**
Pk Hr Factor	0.000	0.000	0.664	0.830	**0.735**	Pk Hr Factor	0.000	0.000	0.904	0.828	**0.887**

Prepared by NDS/ATD

VOLUME

Trader Joe's Shopping Center Dwy W/O Montrose Dr

Day: Friday
Date: 9/16/2022

City: Folsom
Project #: CA22_070181_004

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	2,067	1,353	3,420

AM Period	NB	SB	EB	WB	TOTAL		PM Period	NB	SB	EB	WB	TOTAL	
00:00					0		12:00			50	35	85	
00:15					0		12:15			46	28	74	
00:30					0		12:30			55	36	91	
00:45					0		12:45			50	201 28	127 78	328
01:00					0		13:00			53	39	92	
01:15					0		13:15			44	27	71	
01:30					0		13:30			50	36	86	
01:45					0		13:45			53	200 42	144 95	344
02:00					0		14:00			39	26	65	
02:15					0		14:15			55	39	94	
02:30					0		14:30			43	30	73	
02:45					0		14:45			48	185 31	126 79	311
03:00					0		15:00			52	36	88	
03:15					0		15:15			39	32	71	
03:30					0		15:30			60	28	88	
03:45					0		15:45			39	190 22	118 61	308
04:00					0		16:00			55	33	88	
04:15					0		16:15			48	36	84	
04:30					0		16:30			60	25	85	
04:45					0		16:45			46	209 25	119 71	328
05:00					0		17:00			44	21	65	
05:15					0		17:15			40	24	64	
05:30					0		17:30			46	25	71	
05:45					0		17:45			35	165 23	93 58	258
06:00		1		1	2		18:00			39	16	55	
06:15		2		0	2		18:15			34	18	52	
06:30		0		2	2		18:30			31	17	48	
06:45		0	3	3 6	3	9	18:45			33	137 9	60 42	197
07:00		1		1	2		19:00			26	20	46	
07:15		4		2	6		19:15			28	18	46	
07:30		1		1	2		19:30			22	16	38	
07:45		5	11	11 15	16	26	19:45			22	98 11	65 33	163
08:00		7		19	26		20:00			17	15	32	
08:15		26		17	43		20:15			23	6	29	
08:30		28		22	50		20:30			23	9	32	
08:45		30	91	29 87	59	178	20:45			8	71 4	34 12	105
09:00		34		17	51		21:00			7	2	9	
09:15		31		20	51		21:15			5	0	5	
09:30		29		29	58		21:30			1	2	3	
09:45		22	116	15 81	37	197	21:45			7	20 2	6 9	26
10:00		39		23	62		22:00					0	
10:15		33		31	64		22:15					0	
10:30		35		35	70		22:30					0	
10:45		39	146	28 117	67	263	22:45					0	
11:00		51		45	96		23:00					0	
11:15		64		45	109		23:15					0	
11:30		54		33	87		23:30					0	
11:45		55	224	32 155	87	379	23:45					0	
TOTALS			591	461		1052	TOTALS			1476	892		2368
SPLIT %			56.2%	43.8%		30.8%	SPLIT %			62.3%	37.7%		69.2%

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	2,067	1,353	3,420

AM Peak Hour			11:00	11:00	11:00	PM Peak Hour			16:00	13:00	13:00
AM Pk Volume			224	155	379	PM Pk Volume			209	144	344
Pk Hr Factor			0.875	0.861	0.869	Pk Hr Factor			0.871	0.857	0.905
7 - 9 Volume	0	0	102	102	204	4 - 6 Volume	0	0	374	212	586
7 - 9 Peak Hour			08:00	08:00	08:00	4 - 6 Peak Hour			16:00	16:00	16:00
7 - 9 Pk Volume	0	0	91	87	178	4 - 6 Pk Volume	0	0	209	119	328
Pk Hr Factor	0.000	0.000	0.758	0.750	0.754	Pk Hr Factor	0.000	0.000	0.871	0.826	0.932

Prepared by NDS/ATD

VOLUME

Trader Joe's Shopping Center Dwy W/O Montrose Dr

Day: Saturday
Date: 8/27/2022

City: Folsom
Project #: CA22_070181_004

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	2,161	1,388	3,549

AM Period	NB		SB		EB		WB		TOTAL	
00:00									0	
00:15									0	
00:30									0	
00:45									0	
01:00									0	
01:15									0	
01:30									0	
01:45									0	
02:00									0	
02:15									0	
02:30									0	
02:45									0	
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04:30									0	
04:45									0	
05:00									0	
05:15									0	
05:30									0	
05:45									0	
06:00	0		2						2	
06:15	1		1						2	
06:30	1		0						1	
06:45	3	5	3	6					6	11
07:00	2		3						5	
07:15	2		1						3	
07:30	7		4						11	
07:45	4	15	4	12					8	27
08:00	10		17						27	
08:15	25		11						36	
08:30	16		15						31	
08:45	21	72	11	54					32	126
09:00	28		22						50	
09:15	30		22						52	
09:30	39		25						64	
09:45	35	132	18	87					53	219
10:00	46		33						79	
10:15	36		34						70	
10:30	44		42						86	
10:45	54	180	33	142					87	322
11:00	55		38						93	
11:15	56		39						95	
11:30	65		31						96	
11:45	51	227	39	147					90	374
TOTALS		631		448						**1079**
SPLIT %		58.5%		41.5%						**30.4%**

PM Period	NB		SB		EB		WB		TOTAL	
12:00					49		37		86	
12:15					44		25		69	
12:30					50		41		91	
12:45					53	196	32	135	85	331
13:00					56		31		87	
13:15					52		41		93	
13:30					52		39		91	
13:45					65	225	39	150	104	375
14:00					52		40		92	
14:15					57		35		92	
14:30					55		23		78	
14:45					53	217	36	134	89	351
15:00					42		33		75	
15:15					56		33		89	
15:30					50		40		90	
15:45					54	202	30	136	84	338
16:00					54		35		89	
16:15					47		38		85	
16:30					42		28		70	
16:45					50	193	28	129	78	322
17:00					43		21		64	
17:15					44		23		67	
17:30					42		33		75	
17:45					42	171	12	89	54	260
18:00					40		20		60	
18:15					27		25		52	
18:30					26		14		40	
18:45					23	116	17	76	40	192
19:00					35		13		48	
19:15					25		14		39	
19:30					15		15		30	
19:45					28	103	13	55	41	158
20:00					30		11		41	
20:15					25		6		31	
20:30					16		11		27	
20:45					14	85	4	32	18	117
21:00					13		2		15	
21:15					4		0		4	
21:30					4		1		5	
21:45					1	22	1	4	2	26
22:00									0	
22:15									0	
22:30									0	
22:45									0	
23:00									0	
23:15									0	
23:30									0	
23:45									0	
TOTALS						1530		940		**2470**
SPLIT %						61.9%		38.1%		**69.6%**

DAILY TOTALS	NB	SB	EB	WB	Total
	0	0	2,161	1,388	3,549

AM Peak Hour			10:45	10:30	**11:00**	**PM Peak Hour**			13:45	13:15	**13:15**
AM Pk Volume			230	152	**374**	**PM Pk Volume**			229	159	**380**
Pk Hr Factor			0.885	0.905	**0.974**	**Pk Hr Factor**			0.881	0.970	**0.913**
7 - 9 Volume	0	0	87	66	**153**	**4 - 6 Volume**	0	0	364	218	**582**
7 - 9 Peak Hour			08:00	08:00	**08:00**	**4 - 6 Peak Hour**			16:00	16:00	**16:00**
7 - 9 Pk Volume	0	0	72	54	**126**	**4 - 6 Pk Volume**	0	0	193	129	**322**
Pk Hr Factor	0.000	0.000	0.720	0.794	**0.875**	**Pk Hr Factor**	0.000	0.000	0.894	0.849	**0.904**

Spot Speed Study

Prepared by: National Data & Surveying Services

City of Folsom

DATE: 8/24/2022 **Location:** Montrose Dr & Target/Trader Joe's Shopping Center Dwy
TIME: 13:15-14:15 **Posted Speed:** 25 MPH Clear/Dry **Project #:** 22-070180-001

Northbound & Southbound Spot Speeds

Speed mph	ALL Vehicles
<=10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	1
21	1
22	4
23	8
24	14
25	17
26	23
27	25
28	24
29	21
30	18
31	13
32	10
33	12
34	4
35	2
36	3
37	1
38	1
39	1
40	
41	
42	
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66	
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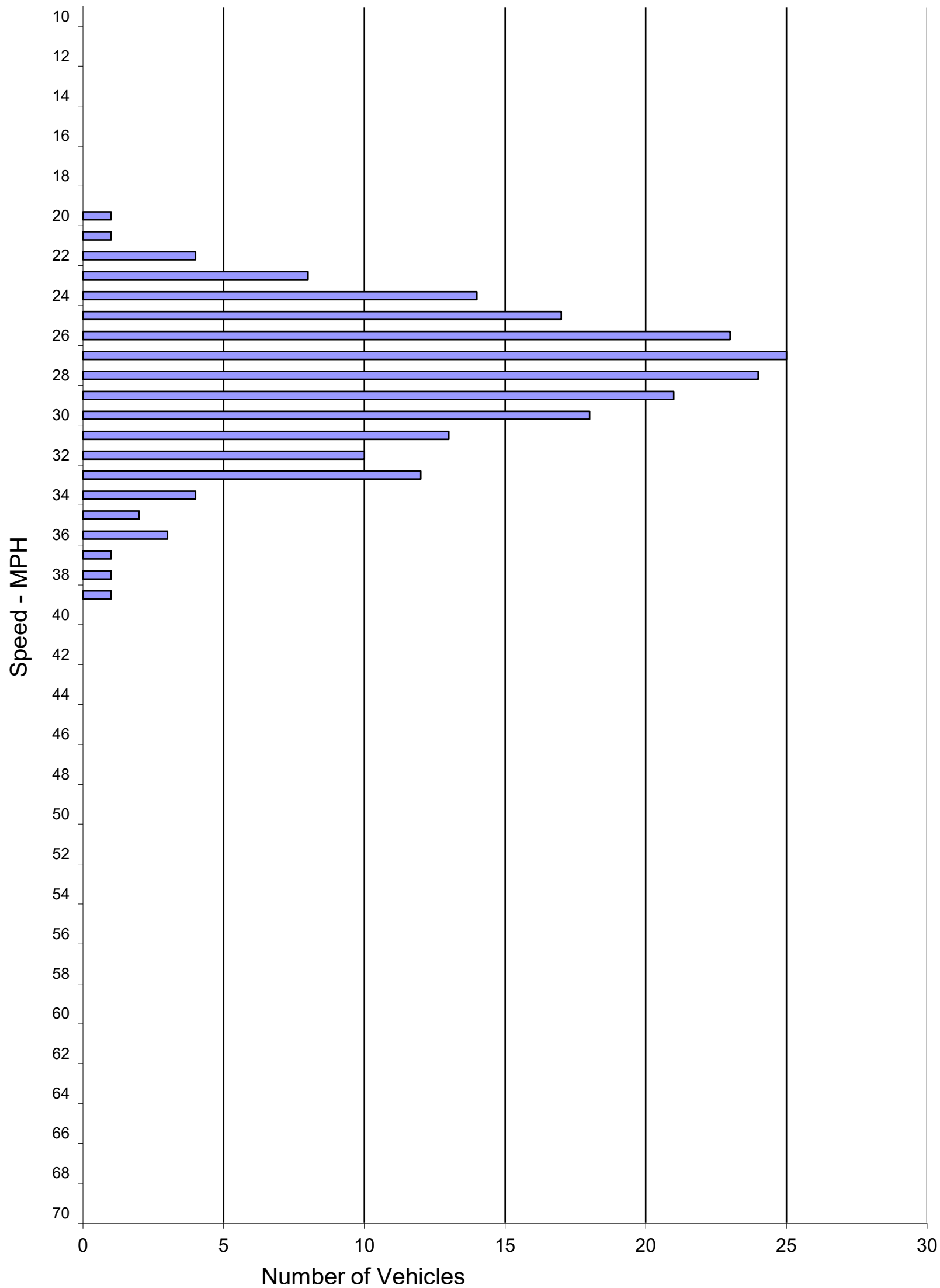
68	
69	
>=70	



SPEED PARAMETERS

Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	203	20 - 39	28 mph	32 mph	24 - 33	177	87%	6% / 14	6% / 12

Attachment B

Warrant Analysis Worksheets

Multiway Stop Warrant Analysis (100%)

Hours	Hourly Volumes (veh/hr)	
	Major Street Approach	Minor Street Approach
	Montrose Dr	Target/Trader Joe's Shopping Center Driveway
6:00 AM	95	16
7:00 AM	239	29
8:00 AM	341	110
9:00 AM	311	174
10:00 AM	354	244
11:00 AM	433	298
12:00 PM	417	276
1:00 PM	396	294
2:00 PM	420	281
3:00 PM	419	262
4:00 PM	400	279
5:00 PM	370	237
6:00 PM	313	193
7:00 PM	235	157
8:00 PM	173	113
9:00 PM	101	42
Daily	5017	3005

Highest 8 Hours Average	401	271
Threshold	300	200
Threshold Met	Yes	Yes
Warrant Met?	YES	

COMMITTEE ITEMS
Agenda Item No. 2
TSC 22-030
10/27/22 Meeting

TRAFFIC SAFETY COMMITTEE
STAFF REPORT

DATE: October 21, 2022

TO: Traffic Safety Committee

FROM: Public Works Department

SUBJECT: PARKSHORE DRIVE AND PLAZA DRIVE STOP SIGN REQUEST

BACKGROUND/ANALYSIS

On July 7th, 2022, Public Works received an email from a concerned resident regarding a request for an all way stop sign at Parkshore Drive and Plaza Drive.

The City has evaluated conditions at this intersection many times, the latest was back in late 2017, the City hired consultant Kimley Horn to evaluate the intersection of Plaza Drive and Parkshore Drive for a potential all-way stop sign. It was concluded that all-way stop sign warrants were not met, but the restriction of parking adjacent to the intersection would improve the visibility of oncoming traffic. Subsequently in early 2019, City Staff installed "No Stopping Any Time" signs approximately 150' in each direction along Plaza Drive. During the period after the signs were installed, complaints from resident regarding compliance were received infrequently but persistently. City Staff then painted the curbs red to help increase compliance with the "No Stopping" signs.

Public Works conducted a volume and speed survey in July 2022 for the intersection to update the numbers from the 2017 analysis. Speeds were generally reasonable along Plaza Drive, with 97% traveling below 35 MPH. Accident history shows zero reported collisions within the past 3 years. Volumes along Plaza Drive average around 220 Westbound per hour for the 8 highest volume hours, and 370 for Eastbound. Combined these volumes meet the CAMUTCD threshold, however, Plaza Drive's volumes averaged 125 vehicles per hour during the same period, below the 200 vehicles per hour threshold set forth in the CAMUTCD for the minor street approach. Another consideration is that this intersection would be an optimal location for a future crosswalk to serve the pedestrian needs of the Farmhouse Community. Additional improvements (such as curb ramps and ADA landing pads) would need to be constructed to prior to striping the crosswalk(s), but Public Works would be able to include this work in its annual contract.

STAFF RECOMMENDATION/TRAFFIC SAFETY COMMITTEE ACTION

Staff recommends that the Committee recommend to City Council that intersection of Parkshore Drive, and Plaza Drive be converted to an all way stop sign to accommodate pedestrian access and allow for parking restrictions to be removed adjacent to the intersection.

COMMITTEE ITEMS
Agenda Item No. 3
TSC 22-031
10/27/22 Meeting

TRAFFIC SAFETY COMMITTEE
STAFF REPORT

DATE: October 21, 2022

TO: Traffic Safety Committee

FROM: Public Works Department

SUBJECT: RANDALL DRIVE AND SANTANA WAY STOP SIGN REQUEST

BACKGROUND/ANALYSIS

During the April 28th, 2022, Traffic Safety Committee Meeting, an item was heard from a concerned resident regarding speeding along Rocky Cove Court and along Santana Way. The Committee evaluated conditions along these roads and voted that no traffic calming action be taken at that time. Subsequently, the resident circulated a petition through the neighborhood for an all way stop sign to be installed at the intersection of Randall Drive and Santana Way.

Based on data collected for the April 28th meeting, the intersection of Randall Drive and Santana Way do not meet CAMUTCD thresholds for an all way stop sign.

It is the City's current policy that residential street intersections do not require a comprehensive traffic analysis, and only require that the requesting party solicit support for the proposed stop signs within their neighborhood. The City does prefer that the residents who live adjacent to the intersection should be contacted in the course of circulating the petition, and ideally would support the planned stop signs, aware of the potential negative impacts associated with them (noise due to braking and acceleration, air quality issues due to vehicle exhaust). Currently no petition has been circulated for the proposed intersection.

Support is shown on the attached map. Property owners at 318 Randall Drive, and 314 Randall Drive signed the petition in support of the proposed all way stop sign. Support from the two other adjacent properties, 315 Randall Drive and 101 Santana Way were not listed on the petition.

STAFF RECOMMENDATION/TRAFFIC SAFETY COMMITTEE ACTION

Staff recommends that the Committee discuss appropriate further actions, if necessary.

APPENDIX A


Google Earth

City of Folsom
Public Works Dept.
Traffic Engineering
www.folsom.ca.us

50 Natoma Street
Folsom, CA 95630
Phone: (916) 461-6710

TRAFFIC SAFETY IMPROVEMENT REQUEST FORM

REQUESTING PERSON(S):

Name: KEITH NOBILE Phone: [redacted]

Address: [redacted] E-Mail: [redacted]

TRAFFIC SAFETY REQUEST:

Location (intersection, road, etc.): RANDALL & SANTANA WAY

Describe Request: STOP SIGN INSTALLED AT INTERSECTION (3 WAY) AT RANDALL DR. & SANTANA WAY

The petition below must be completed prior to submitting this form. A minimum of ten signatures is suggested. Each signature must be a resident of the City of Folsom, at least 18 years of age and from separate households in the immediate vicinity of the requested improvement. Attach any relevant photos, sketches, aerials, etc. to this form. Please complete the petition on the reverse side before returning your request form.

Signature (one per address)	Printed Name	Address	Email (Optional)
1.	Matthew Wright	[redacted]	
2.	Wan Ling Tseng	[redacted]	
3.	Bernard McKenna	[redacted]	
4.	Bevin Brandeberry	[redacted]	
5.	Michi Lackey	[redacted]	
6.	Ryan Leonelli	[redacted]	
7.	Betsy Fallacaro	[redacted]	
8.	Kenneth Took	[redacted]	
9.	Tiffany Nobile	[redacted]	
10.	Danielle Tingstrom	[redacted]	
	RANDAL CHAVES	[redacted]	

Thank you for expressing your concern regarding traffic safety. Once we have received this completed form, the Public Works Department will conduct an analysis of the specified location to determine the need for, and feasibility of, the requested traffic safety improvement. If it is determined that any traffic safety improvements are warranted, Public Works staff will submit a recommendation to the City's Traffic Safety Committee. If approved by this committee, the request may need to be forwarded to City Council for final approval. City staff will email any persons signing this petition prior to any public meetings regarding this request. For more information contact the Public Works Department at (916) 461-6710.

Dan O'Connell [redacted]

COMMITTEE ITEMS
Agenda Item No. 4
TSC 22-032
10/27/22 Meeting

TRAFFIC SAFETY COMMITTEE
STAFF REPORT

DATE: October 17, 2022

TO: Traffic Safety Committee

FROM: Public Works Department

SUBJECT: FOLSOM LAKE CROSSING AND EAST NATOMA STREET SAFETY IMPROVEMENT PROJECT (HSIP) UPDATE

BACKGROUND/ANALYSIS

At the September Traffic Safety Committee meeting, committee member Bailey requested an update to the City's Highway Safety Improvement Project (HSIP) for Folsom Lake Crossing and East Natoma Street.

The City has completed its review of both the 50% plans and the 65% plans and submitted comments back to the design consultant, TJKM. Currently, plans include a metal thrie beam median barrier from approximately 325' east of the East Natoma at Folsom Lake Crossing signal to 350' west of Gionata Way and along Folsom Lake Crossing from Folsom Dam Road to the Green Valley Training Center entrance.

The installation of the steel post double thrie beam barrier is being designed to Caltrans specifications and will be 2'8" (32") above the pavement surface. TJKM evaluated the potential for this to impede the line of sight for vehicles and concluded that there was no need for turning movements to be restricted out of Gionata Way due to any sight distance issue. Other improvements associated with this project are 4 new radar feedback signs to be installed, 2 on Folsom Lake Crossing and 2 on East Natoma. Also, the left turn pocket into Gionata Way is planned to be extended by approximately 100' to allow for better deceleration off East Natoma when traveling Eastbound.

The scope of the consultant contract includes a planned presentation to the Traffic Safety Committee to present their findings and their initial design for input. City Staff will also be presenting an update on the project to City Council at a future date.

STAFF RECOMMENDATION/TRAFFIC SAFETY COMMITTEE ACTION

No action needed. Informational item only.