



HEXAGON TRANSPORTATION CONSULTANTS, INC.

# 1430 Freedom Boulevard Santa Cruz County Campus

Transportation Analysis

Prepared for:

**Gensler**

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## Executive Summary

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This report presents the results of the Transportation Analysis for the proposed Santa Cruz County Campus at 1430 Freedom Boulevard in Watsonville, California. The project would demolish the existing buildings and construct 160 dwelling units, 80,000 square feet (s.f.) of medical office space, and 5,000 s.f. of community service center. Of the 160 dwelling units, 75% would be set aside for deed-restricted affordable housing. The site is currently occupied by a collection of six single-story office and medical office buildings totaling approximately 53,000 gross square-feet. The primary goal of this project is to create a modern, user-friendly community hub for health and wellness that is easily accessible to South County residents. Upon completion, the Project will provide a platform for an expansion of County services into South County, reducing the need to travel north for critical services. The medical office building would house all existing Health Services Agency outpatient services and administrative functions, including adult and children's primary care, dental care, adult and children's behavioral health services, and offices for the County's Public Health Division department. In addition, the facility would house a new children's crisis stabilization center, to be operated by HSA's Behavioral Health Division. The 5,000 s.f. of community-serving uses may include a community teaching kitchen, multi-purpose community room, and/or a limited-service food and beverage outlet (i.e., "grab and go" style cafe). Parking would be accommodated with the construction of 550 surface parking stalls, either within a surface parking lot or within a standalone parking structure.

### VMT Analysis

The proposed mixed-use development would contain residential, medical office, and community service center land uses. According to the Implementation Guidelines, projects with multiple distinct land uses are required to be analyzed separately unless they are determined to be insignificant to the total VMT.

The project proposes 160 dwelling units, of which 75% will be set aside for deed-restricted affordable housing. The project proposes to provide a high percentage of affordable housing. Based on the Santa Cruz County Residential Screening Map (Figure 1 of the Implementation Guidelines), the project site is located in a zone with VMT that is at or below the County threshold. Therefore, the project meets the map-based screening criteria and would not result in a significant VMT impact.

The project proposes 80,000 square feet of medical office space that would house all existing HSA outpatient services and administrative functions, including adult and children's primary care, dental care, adult and children's behavioral health services, and offices for the County's Public Health Division department. In addition, the facility would also house a new children's crisis stabilization center, to be operated by HSA's Behavioral Health Division. Therefore, the project meets the local essential service screening criteria and would not result in a significant VMT impact. The site is currently occupied by these services in older and smaller buildings. The primary goal of this project is to create a modern,

user-friendly community hub for health and wellness that is easily accessible to South County residents. Upon completion, the Project will provide a platform for a dramatic expansion of County services into South County, reducing the need to travel north for critical services.

The project proposes 5,000 square feet of community-serving uses that may include a community teaching kitchen, multi-purpose community room, and/or a limited-service food and beverage outlet (i.e., “grab and go” style cafe). The community service center would be less than 50,000 square feet and would serve the local community. Therefore, the project meets the local-serving retail screening criteria and would not result in a significant VMT impact.

## **Project Trip Generation**

The project would generate 2,780 net daily trips, with 223 net new trips (145 inbound and 78 outbound) during the AM peak hour and 283 net new trips (109 inbound and 174 outbound) during the PM peak hour.

## **Intersection Levels of Service**

The results of the intersection LOS analysis under existing plus project conditions show that all the study intersections would continue to operate at an acceptable level during both the AM and PM peak hours of traffic when measured against the applicable municipal level of service standards.

**Table ES 1  
Intersection Level of Service Summary**

#	Intersection	Control	Peak Hour	Count Date	No Project		Existing			Project Trips	Existing + Project Trips	% Increase in Volume
					Avg. Delay (sec)	LOS	With Project		Delay Increase (sec)			
							Avg. Delay (sec)	LOS				
1	Main Street and Green Valley Road*	Signal	AM	1/24/19	43.2	D	43.4	D	0.2	78	3640	2.2%
			PM	1/24/19	49.3	D	50.0	D	0.7	99	4411	2.3%
2	Freedom Boulevard and Green Valley Road	Signal	AM	2/11/20	51.9	D	52.3	D	0.4	23	4426	0.5%
			PM	2/11/20	47.9	D	49.1	D	1.2	30	4668	0.6%
3	Freedom Boulevard and Alta Vista Avenue	Signal	AM	2/11/20	16.2	B	16.8	B	0.6	105	3134	3.5%
			PM	2/11/20	16.9	B	17.1	C	0.2	143	3209	4.7%
4	Freedom Boulevard and Crestview Drive	Signal	AM	2/11/20	14.5	B	17.1	B	2.6	147	2708	5.7%
			PM	2/11/20	15.8	B	21.2	C	5.4	184	2967	6.6%
5	Freedom Boulevard and Main Street*	Signal	AM	1/24/19	35.8	D	36.1	D	0.3	15	1917	0.8%
			PM	1/24/19	37.0	D	37.2	D	0.2	20	2698	0.7%
6	Main Street and East Riverside Drive*	Signal	AM	5/24/22	47.2	D	47.3	D	0.1	11	4385	0.3%
			PM	5/24/22	53.9	D	54.5	D	0.6	14	4764	0.3%

Note: \* denotes Caltrans intersection

# 1. Introduction

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This report presents the results of the Transportation Analysis for the proposed Santa Cruz County Campus at 1430 Freedom Boulevard in Watsonville, California. The project would demolish the existing buildings and construct 160 dwelling units, 80,000 square feet (s.f.) of medical office space, and 5,000 s.f. of community service center. Of the 160 dwelling units, 75% would be set aside for deed-restricted affordable housing. The site is currently occupied by a collection of six single-story office and medical office buildings totaling approximately 53,000 gross square-feet. The primary goal of this project is to create a modern, user-friendly community hub for health and wellness that is easily accessible to South County residents. Upon completion, the Project will provide a platform for an expansion of County services into South County, reducing the need to travel north for critical services. The medical office building would house all existing Health Services Agency outpatient services and administrative functions, including adult and children's primary care, dental care, adult and children's behavioral health services, and offices for the County's Public Health Division department. In addition, the facility would house a new children's crisis stabilization center, to be operated by HSA's Behavioral Health Division. The 5,000 s.f. of community-serving uses may include a community teaching kitchen, multi-purpose community room, and/or a limited-service food and beverage outlet (i.e., "grab and go" style cafe). Parking would be accommodated with the construction of 550 surface parking stalls, either within a surface parking lot or within a standalone parking structure.

The project site and the surrounding study area are shown on Figure 1.

## Scope of Study

This study was conducted for the purpose of identifying whether the project would create any transportation impacts that would need to be mitigated in terms of both CEQA and City of Watsonville General Plan policies. The potential impacts of the project were evaluated in accordance with the standards set forth by Watsonville, Santa Cruz County, Caltrans, and the California Environmental Quality Act (CEQA). The transportation study includes an analysis of AM and PM peak hour traffic conditions for six (6) signalized intersections in the vicinity of the project site. Additionally, a discussion of Vehicle Miles Traveled (VMT) related to the proposed project is provided. An analysis of transit, bicycle, and pedestrian access is also included.

## Study Intersections

1. Main Street & Green Valley Road (Caltrans intersection)
2. Freedom Boulevard & Green Valley Road
3. Freedom Boulevard & Alta Vista Avenue
4. Freedom Boulevard & Crestview Drive
5. Freedom Boulevard & Main Street (Caltrans intersection)
6. Main Street & East Riverside Drive (Caltrans intersection)

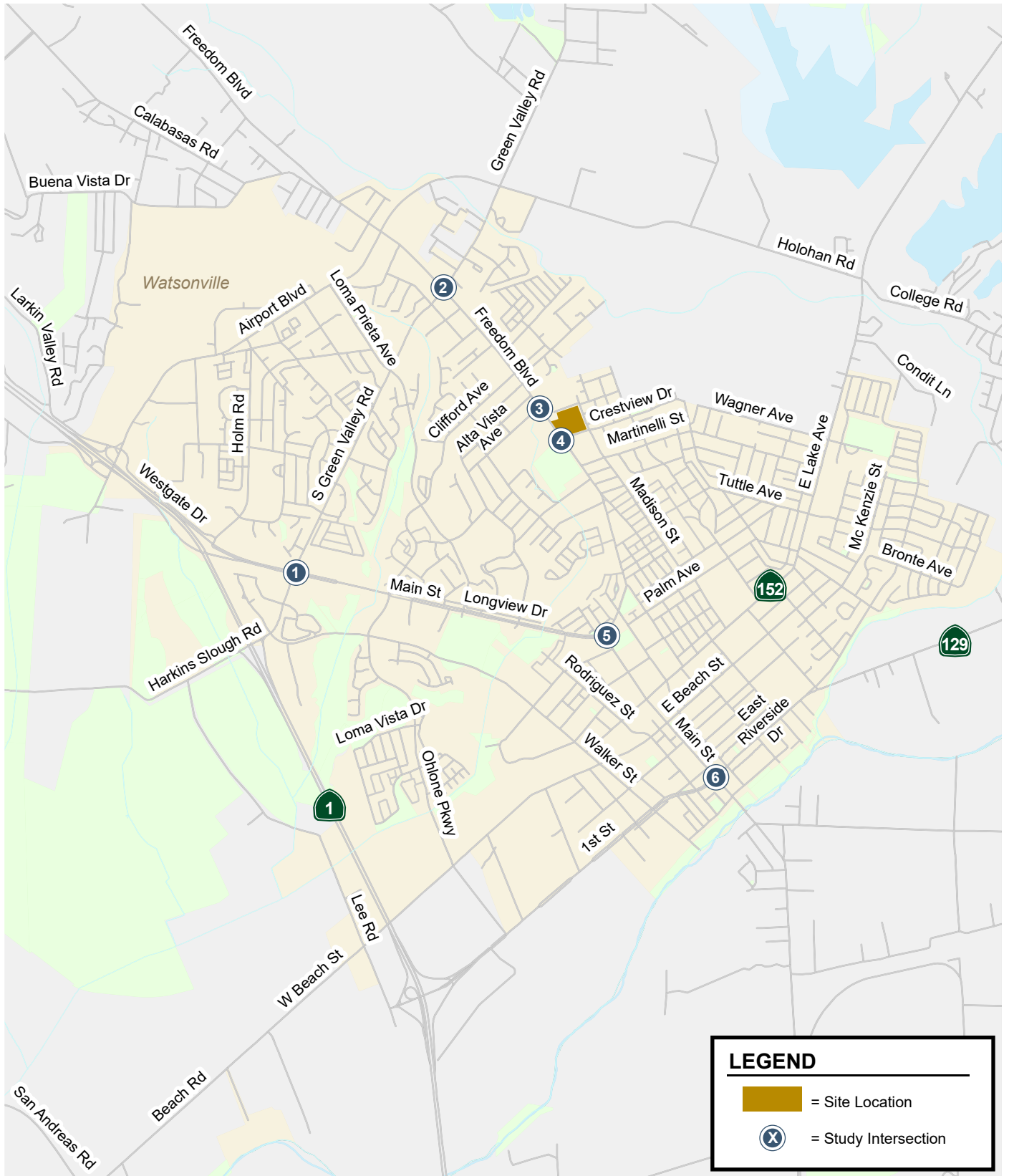


Figure 1  
Site Location and Study Intersections

Traffic conditions at the study intersections were analyzed for the weekday AM and PM peak hours of adjacent street traffic. The AM peak hour typically occurs between 7:00 AM and 9:00 AM and the PM peak hour typically occurs between 4:00 PM and 6:00 PM on a regular weekday. These are the times when volume is highest on the roadways.

Traffic conditions were evaluated for the following scenarios:

**Scenario 1: Existing Conditions.** Existing traffic volumes at the study intersections were based on available traffic counts at some locations and new counts where previous data were unavailable. Study intersections were evaluated with a level of service analysis using Synchro software in accordance with the *2010 Highway Capacity Manual* methodology.

**Scenario 2: Existing Plus Project Conditions.** Existing traffic volumes with the project were estimated by adding to existing traffic volumes the additional traffic generated by the project.

The report does not include a future year scenario. Future traffic forecasts were received from the AMBAG model from AMBAG staff. The 2040 daily volumes were found to be lower than the existing traffic counts. Since the project would not create any traffic deficiencies under Existing + Project conditions, it is unlikely that it would create deficiencies under a future scenario.

## Methodology

This section describes the methods used to determine the traffic conditions for each scenario described above. It includes descriptions of the data requirements, the analysis methodologies, and the applicable level of service standards.

### Vehicle Miles Traveled Standards and Analysis Methodology

Senate Bill 743 (SB 743) was signed in 2013 and requires that, for land use projects, vehicle miles traveled (VMT) per capita, employee, or net VMT are to be used as metrics for transportation analysis. SB 743 requires lead agencies to implement guidelines, requiring them to select a VMT methodology, choose significance thresholds, and determine feasible mitigation measures. VMT should be reduced to minimize the transportation impact a development has on a community. The goal of SB 743 is to encourage development that reduces VMT.

### Santa Cruz County

The City of Watsonville has not yet adopted any thresholds or guidelines related to VMT. Thus, the VMT thresholds used for this project are based on the Santa Cruz County VMT guidelines. In July 2020, Santa Cruz County adopted VMT Implementation Guidelines (updated in May 2021) to be used with new development projects. The County's VMT Implementation Guidelines provide VMT thresholds, baselines, and criteria to evaluate VMT impacts for new development projects. The guidelines also provide screening criteria to determine whether a project would have a less than significant impact on VMT and would be exempt from a CEQA transportation analysis. The proposed project would meet the screening criteria and does not require a VMT analysis. This is described in Chapter 3 of the report.

### Level of Service Analysis Methodologies

Traffic conditions at the study intersections were evaluated using level of service (LOS). *Level of Service* is a qualitative description of operating conditions ranging from LOS A, or free-flow conditions with little or no delay, to LOS F, or jammed conditions with excessive delays. The various analysis methods are described below.



This study utilizes Synchro software to determine intersection level of service. The Synchro software is based on the 2010 Highway Capacity Manual (HCM) methodology for signalized and unsignalized intersections. This method evaluates intersection operations on the basis of average control delay time (measured in seconds per vehicle) for all vehicles at the intersection. This average delay can then be correlated to a level of service as shown in Table 1 for signalized intersections.

**Table 1**  
**Signalized Intersection Level of Service Definitions Based on Control Delay**

Level of Service	Description	Average Control Delay Per Vehicle (sec.)
A	Signal progression is extremely favorable. Most vehicles arrive during the green phase and do not stop at all. Short cycle lengths may also contribute to the very low vehicle delay.	10.0 or less
B	Operations characterized by good signal progression and/or short cycle lengths. More vehicles stop than with LOS A, causing higher levels of average vehicle delay.	10.1 to 20.0
C	Higher delays may result from fair signal progression and/or longer cycle lengths. Individual cycle failures may begin to appear at this level. The number of vehicles stopping is significant, though some vehicles may still pass through the intersection without stopping.	20.1 to 35.0
D	The influence of congestion becomes more noticeable. Longer delays may result from some combination of unfavorable signal progression, long cycle lengths, or high volume-to-capacity (V/C) ratios. Many vehicles stop and individual cycle failures are noticeable.	35.1 to 55.0
E	This is considered to be the limit of acceptable delay. These high delay values generally indicate poor signal progression, long cycle lengths, and high volume-to-capacity (V/C) ratios. Individual cycle failures occur frequently.	55.1 to 80.0
F	This level of delay is considered unacceptable by most drivers. This condition often occurs with oversaturation, that is, when arrival flow rates exceed the capacity of the intersection. Poor progression and long cycle lengths may also be major contributing causes of such delay levels.	greater than 80.0

Source: Transportation Research Board, 2010 Highway Capacity Manual (Washington, D.C., 2010), p.10-16.

**Level of Service Standards and Deficiency Criteria**

Level of service standards for the City of Watsonville were applied to all the intersections and are described below.

**Watsonville**

The Watsonville General Plan contains level of service standards. The study intersections are subject to the City’s LOS D standard. Based on previously prepared traffic studies in the City of Watsonville, a substantial adverse effect at a study intersection will be caused by the project if:

### Signalized Intersection

1. Operations at a signalized intersection deteriorate from an acceptable level (LOS D or better) to an unacceptable level (LOS E or F); or
2. Average delay at a signalized intersection operating at an unacceptable level (LOS E or F) increases by 0.1 second or more.

A substantial adverse effect at an intersection by Watsonville's standards is said to be satisfactorily mitigated when improvements are implemented that eliminate the project's adverse effect.

### **Data Requirements**

The data required for the analysis were obtained from the City of Watsonville, new traffic counts, Google Satellite and Street-View imagery. The following data were collected from these sources:

- existing peak-hour intersection turning-movement volumes
- lane configurations
- signal timing and phasing,

### **Report Organization**

This report is divided into five chapters. Chapter 2 describes the existing roadway network, transit services, and pedestrian facilities. Chapter 3 presents an analysis of Vehicle Miles Traveled (VMT). Chapter 4 presents the methods used to estimate project traffic and its effect on the existing transportation system.

## 2. Existing Conditions

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This chapter describes the existing conditions for transportation facilities in the vicinity of the site, including the roadway network, transit service, pedestrian and bicycle facilities.

### Existing Roadway Network

Regional access to the project site is provided via SR 1.

**SR 1** is a north-south freeway that extends through and beyond the Bay Area, connecting San Francisco to Los Angeles. In the project vicinity, SR 1 has two mixed-flow lanes in each direction. The posted speed limit is 65 mph. SR 1 provides access to the project site via Main Street and SR 129.

Local access to the site is provided on Green Valley Road, Main Street, Lake Avenue, Riverside Drive (SR 129), and Freedom Boulevard. These roadways are described below.

**Green Valley Road** is northeast-southwest four-lane major arterial that begins at Harkins Slough Road and extends north towards Amesti. Green Valley Road has a posted speed limit of 45 mph between Main Street and Pennsylvania Drive, 40 mph between Pennsylvania Drive and Freedom Boulevard, and 35 mph northeast of Freedom Boulevard. Sidewalks or Class I shared use paths are present on both sides of the road.

**Main Street** is a northwest-southeast four-lane major arterial extending from SR 1 until it transitions to Porter Drive at the City Limit. Main Street is designated as SR 152 between SR 1 and Beach Street. Northwest of Freedom Boulevard, the posted speed limit is 40 mph. Southeast of Freedom Boulevard, the posted speed limit is 25 mph. Sidewalks are generally present on both sides of the street southeast of Green Valley Road. On-street parking is generally permitted on both sides of the street between of Ford Street and 2<sup>nd</sup> Street.

**Lake Avenue** is a northeast-southwest minor arterial that extends from Walker Street to Carlton Road in Interlaken. Lake Avenue has one lane in each direction southwest of Rodriguez Street and northeast of Lincoln Street. Between Rodriguez Street and Lincoln Street, Lake Avenue transitions to a one-way couplet with two lanes going southwestbound. Lake Avenue is designated as SR 152 northeast of Main Street. Lake Avenue has a posted speed limit of 45 mph northeast of Wagner Avenue, 30 mph between Wagner Avenue and Manor Avenue, and 25 mph southwest of Manor Avenue. Sidewalks are generally present on both sides of the street. On-street parking is generally permitted on at least one side of the street southwest of Wagner Avenue.

**Riverside Drive** is a northeast-southwest major arterial that extends from SR 1 in Watsonville to US 101 in San Benito County. Riverside Drive has two mixed-flow lanes in each direction southwest of Union Street and one lane in each direction northeast of Union Street. Between Main Street and Blackburn Street, Riverside Drive has sidewalks on both sides of the street, and the posted speed limit is 25 mph. On-street parking is generally permitted northeast of Union Street.

**Freedom Boulevard** is a northwest-southeast minor arterial that begins at Main Street and extends northwest towards Freedom. Freedom Boulevard has one lane in each direction south of Broadis Street and two lanes in each direction northwest of Broadis Street. Freedom Boulevard has a posted speed limit of 25 mph southeast of Arthur Road and 30 mph northwest of Arthur Road. Sidewalks are present on both sides of the street, and on-street parking is permitted along some segments.

## Existing Bicycle and Pedestrian Facilities

Bicycle facilities are classified in three ways: off-street shared use paths separated from auto traffic (Class I), on-street striped bike lanes (Class II), on-street signed bike routes in which bicycles share the roadway with other vehicles (Class III).

Figure 2 shows the existing bicycle facilities within a half mile of the project site. In the project vicinity, there are designated bike routes provided on Freedom Boulevard between Airport Boulevard and High Street in the northbound direction and on Miles Lane in the southbound direction. Although bicycle facilities in the project area are limited, many nearby local streets carry low traffic volume and are conducive to bicyclists.

The *City of Watsonville Trails and Bicycle Master Plan* (November 2012) describes the existing and proposed bikeways and shared use trails throughout Watsonville that provide access to sloughs, wetlands, parks, schools, and commercial centers. In the immediate project vicinity, there are proposed bikeways along the entirety of Martinelli Street and Brewington Avenue. The Plan also proposes shared use trails on Alta Vista Avenue between Freedom Boulevard and Santa Clara Street, along the northeastern side of the upper Watsonville Slough between Main Street and Alta Vista Avenue, on Marin Street between the upper Watsonville Slough trail and Freedom Boulevard, and on Freedom Boulevard between Marin Street and Martinelli Street.

Within the project vicinity, sidewalks and crosswalks are present along most sections of roadways. Pedestrian crosswalks and signal heads are present at the nearby signalized intersections. Crosswalks are also provided at many unsignalized intersections. It should be noted that while crosswalks are present, the striping at many intersections is fading. Sidewalks are provided along both sides of the streets in the study area and along the project frontages.

## Existing Transit Service

Existing transit service to the study area is provided by Santa Cruz Metro. The existing transit services within a half mile of the project site are listed in Table 2 and shown on Figure 3. All four bus routes have a bus stop along the project frontage on Freedom Boulevard or Crestview Drive. The closest bus stops for all routes are shown on Figure 3.

**Table 2**  
**Existing Transit Services**

Bus Route	Route Description	Traveled Roadways	Weekday Hours of Operation	Headway
Santa Cruz Metro Route 69A	Capitola/Airport to Watsonville	Soquel Ave, Capitola Rd, 41st Ave, Hwy 1, Airport Blvd, Freedom Blvd, Lake Ave, Beach St	6:20 AM - 6:56 PM	60 min
Santa Cruz Metro Route 71	Soquel/Freedom to Watsonville	Water St, Soquel Ave, Soquel Dr, Freedom Blvd, Airport Blvd, Green Valley Rd, Clifford Ave, Main St	5:40 AM - 12:40 AM	60 min
Santa Cruz Metro Route WC	Watsonville Circulator	Main St, Green Valley Rd, Airport Blvd, Freedom Blvd, Lincoln St, Beach St, Lake Ave	8:44 AM - 7:44 PM	60 min
Santa Cruz Metro Route 79	East Lake/Crestview	Beach St, Bridge St, Tuttle Ave, Lake Ave, College Dr, Martinelli St, Crestview Dr, Freedom Blvd, Main St	7:25 AM - 6:00 PM	60 min

Notes:  
Approximate weekday operation hours and headways during peak commute periods in the project area, as of July 2022



**Figure 2**  
**Existing Bicycle Facilities**



**Figure 3**  
Existing Transit Services

### Existing Intersection Lane Configurations

The existing lane configurations at the study intersections were obtained from Google satellite imagery and are shown on Figure 4. Current traffic conditions on the roadway network are atypical due to the unprecedented conditions caused by the COVID-19 pandemic. Pre-pandemic traffic counts were available at five of the study intersections. The intersection of Main Street and Riverside Drive was counted in 2022. This count was factored up based on an adjustment factor calculated based on a ratio of pre-pandemic volumes to the 2022 volumes at all other study intersections. Based on this approach, the AM and PM traffic counts at the Main Street and Riverside Drive intersection were multiplied by 1.35 and 1.24, respectively. The existing peak-hour intersection volumes are shown on Figure 5. Intersection turning-movement counts conducted for this analysis are presented in Appendix A.

### Existing Intersection Levels of Service

The results of the intersection level of service analysis under existing conditions are summarized in Table 3. The results of the analysis show that all the study intersections currently operate at acceptable levels of service during the AM and PM peak hours. The intersection levels of service calculation sheets are included in Appendix C.

**Table 3**  
**Existing Intersection Levels of Service**

#	Intersection	Control	Peak Hour	Count Date	Existing Conditions	
					Avg. Delay (sec)	LOS
1	Main Street and Green Valley Road*	Signal	AM	01/24/19	43.2	D
			PM	01/24/19	49.3	D
2	Freedom Boulevard and Green Valley Road	Signal	AM	02/11/20	51.9	D
			PM	02/11/20	47.9	D
3	Freedom Boulevard and Alta Vista Avenue	Signal	AM	02/11/20	16.2	B
			PM	02/11/20	16.9	B
4	Freedom Boulevard and Crestview Drive	Signal	AM	02/11/20	14.5	B
			PM	02/11/20	15.8	B
5	Freedom Boulevard and Main Street*	Signal	AM	01/24/19	35.8	D
			PM	01/24/19	37.0	D
6	Main Street and East Riverside Drive*	Signal	AM	05/24/22	47.2	D
			PM	05/24/22	53.9	D

Note: \* denotes Caltrans intersection



1430 Freedom Boulevard County Campus TA

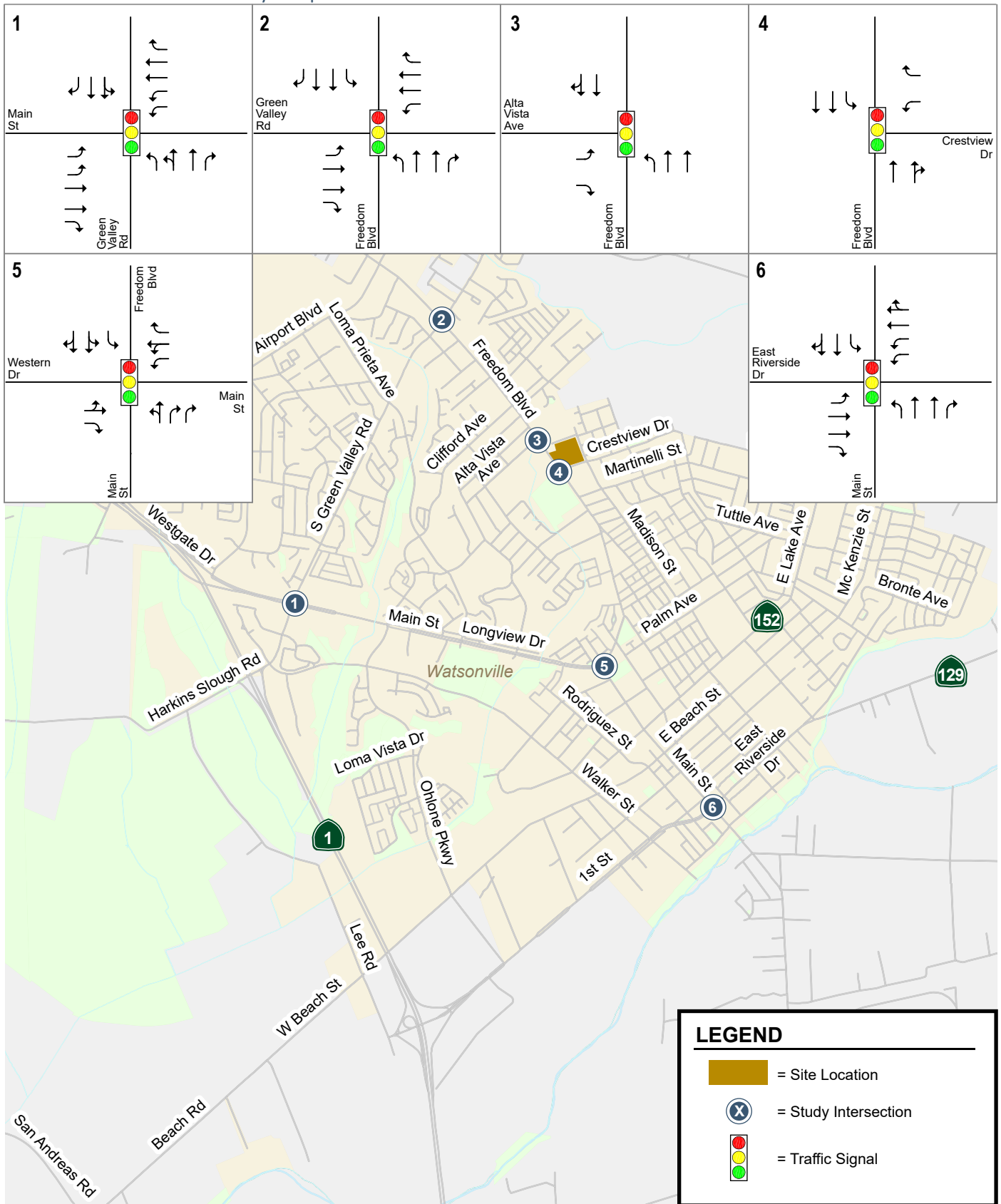
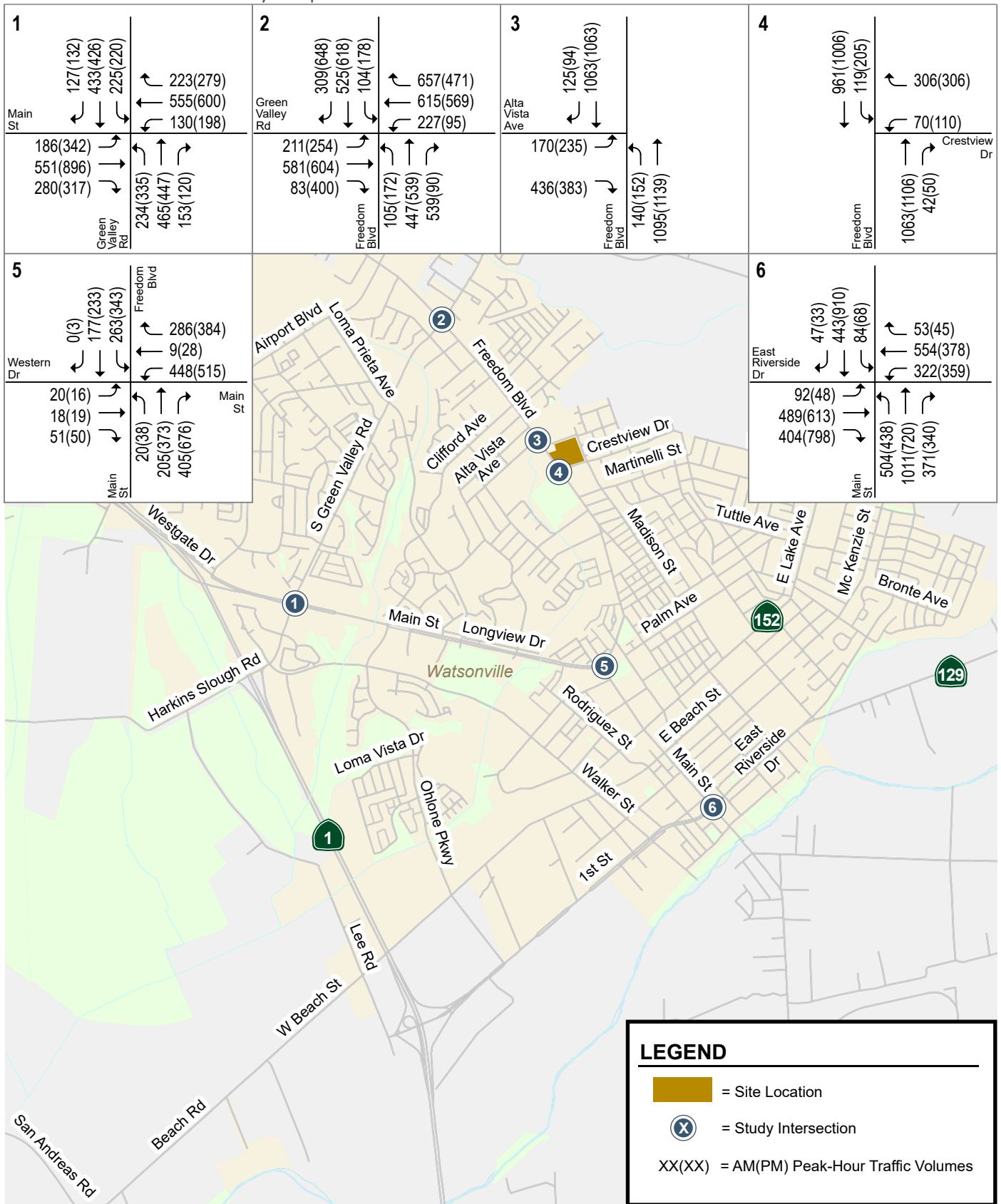


Figure 4  
Existing Lane Configurations

1430 Freedom Boulevard County Campus TA



**Figure 5**  
Existing Traffic Volumes

### 3.

## Vehicle Miles Traveled

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The California Environmental Quality Act (CEQA) guidelines specify that transportation impacts are to be evaluated based on Vehicle Miles Traveled (VMT). VMT measures the number of vehicle trips and trip length and is a direct measurement of greenhouse gas emissions. A reduction in VMT would result in a reduction in greenhouse gas emissions and supports the development of multimodal transportation networks and a diversity of land uses that reduce the reliance on individual vehicles.

### VMT Impact Criteria

The City of Watsonville has not yet adopted any thresholds or guidelines related to VMT. Thus, the VMT thresholds used for this project are based on the Santa Cruz County VMT guidelines. The County of Santa Cruz adopted VMT Implementation Guidelines in July 2020 (updated in May 2021). Santa Cruz County VMT Implementation Guidelines specify procedures for determining project impacts on VMT based on the project description, characteristics, and location. The VMT methodology also includes screening criteria that are used to identify types, characteristics, and locations of projects that would not exceed the VMT thresholds of significance. If a project or a component of a mixed-use project meets the screening criteria, it is then presumed that the project or the component would result in a less than significant VMT impact, and a detailed VMT analysis is not required.

### Screening for VMT Analysis

Land use projects that meet at least one of the following screening criteria are presumed to have a less than significant impact on VMT and do not require CEQA transportation analysis:

1. Small projects: project trip generation less than 100 net new trips per day
2. Projects near high quality transit: located within ½ mile of an existing major transit stop (two or more bus lines which maintain a service interval frequency of 15 minutes or less during peak periods)
3. Local-serving retail: no single store on-site exceeds 50,000 square feet
4. Affordable housing: project provides a high percentage of affordable housing as determined by Santa Cruz County
5. Local essential service: day care center, public K-12 school, police or fire facility, local serving medical/dental office building, or government office

6. Map-based screening: area of development is under threshold as shown on Santa Cruz County screening map
7. Redevelopment projects: project replaces an existing VMT-generating land use and does not result in a net overall increase in VMT

The proposed mixed-use development would contain residential, medical office, and community service center land uses. According to the Implementation Guidelines, projects with multiple distinct land uses are required to be analyzed separately unless they are determined to be insignificant to the total VMT.

### **Multifamily Housing**

The project proposes 160 dwelling units, of which 75% will be set aside for deed-restricted affordable housing. The project proposes to provide a high percentage of affordable housing. Based on the Santa Cruz County Residential Screening Map (Figure 1 of the Implementation Guidelines), the project site is located in a zone with VMT that is at or below the County threshold. Therefore, the project meets the map-based screening criteria and would not result in a significant VMT impact. The Residential Screening Map is included in Appendix D.

### **Medical Office**

The project proposes 80,000 square feet of medical office space that would house all existing HSA outpatient services and administrative functions, including adult and children's primary care, dental care, adult and children's behavioral health services, and offices for the County's Public Health Division department. In addition, the facility would also house a new children's crisis stabilization center, to be operated by HSA's Behavioral Health Division. Therefore, the project meets the local essential service screening criteria and would not result in a significant VMT impact. The site is currently occupied by these services in older and smaller buildings. The primary goal of this project is to create a modern, user-friendly community hub for health and wellness that is easily accessible to South County residents. Upon completion, the Project will provide a platform for a dramatic expansion of County services into South County, reducing the need to travel north for critical services.

### **Community Service Center**

The project proposes 5,000 square feet of community-serving uses that may include a community teaching kitchen, multi-purpose community room, and/or a limited-service food and beverage outlet (i.e., "grab and go" style cafe). The community service center would be less than 50,000 square feet and would serve the local community. Therefore, the project meets the local-serving retail screening criteria and would not result in a significant VMT impact.

# 4.

## Existing Plus Project Conditions

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This chapter describes traffic conditions with the project and includes: (1) the method by which project traffic is estimated and (2) a level of service summary. Existing plus project conditions are represented by existing traffic conditions with the addition of traffic generated by the project.

### Roadway Network

It is assumed in this analysis that the transportation network under project conditions would be the same as the existing transportation network.

### Project Trip Estimates

The magnitude of traffic produced by a new development and the locations where that traffic would appear were estimated using a three-step process: (1) trip generation, (2) trip distribution, and (3) trip assignment. In determining project trip generation, the magnitude of traffic traveling to and from the proposed mixed-use development was estimated for the AM and PM peak hours. As part of the project trip distribution, the directions to and from which the project trips would travel were estimated. In the project trip assignment, the project trips were assigned to specific streets and intersections. These procedures are described below.

### Trip Generation

Through empirical research, data have been collected that quantify the amount of traffic produced by many types of land uses. The research is compiled in the Institute of Transportation Engineers' (ITE) manual entitled *Trip Generation, 11th Edition (2021)*. The rates published for Multifamily Housing – Low-Rise (Not Close to Rail Transit) (Land Use 220), Affordable Housing – Income Limits (Land Use 223), Medical-Dental Office Building – Stand Alone (Land Use 720), and Recreational Community Center (Land Use 495) were used to estimate the trips generated by the proposed mixed-use project.

### Existing Trip Credits

The project site is currently developed with 53,607 s.f. in six buildings. Out of the six buildings, three are currently vacant. Trips associated with the existing occupied uses (30,295 s.f.) on the project site can be subtracted from the project trip estimates. The trips generated by the existing uses on the site were estimated using rates published Medical-Dental Office Building – Stand Alone (Land Use 720).

**Net Trip Generation**

Table 4 shows the net trip generation estimates. The project is estimated to generate 2,780 net daily trips, with 223 net new trips (145 inbound and 78 outbound) during the AM peak hour and 283 net new trips (109 inbound and 174 outbound) during the PM peak hour.

**Table 4  
Project Trip Generation Estimates**

Land Use	Size	Daily Rate	Daily Trips	AM Peak Hour			PM Peak Hour				
				Pk-Hr Rate	In	Out	Total	Pk-Hr Rate	In	Out	Total
<b>Proposed Uses</b>											
Low Rise Multifamily Housing <sup>1</sup>	40 DU	6.74	270	0.40	4	12	16	0.51	13	7	20
Affordable Housing <sup>2</sup>	120 DU	4.81	577	0.36	13	30	43	0.46	32	23	55
Medical Office <sup>3</sup>	80 ksf	36.00	2,880	3.10	196	52	248	3.93	94	220	314
Community Service Center <sup>4</sup>	5 ksf	28.82	144	1.91	6	4	10	2.50	6	7	13
<b>Subtotal:</b>			<b>3,871</b>		<b>219</b>	<b>98</b>	<b>317</b>		<b>145</b>	<b>257</b>	<b>402</b>
<b>Proposed Uses</b>											
Medical Office <sup>3</sup>	30.295 ksf	36.00	1,091	3.10	74	20	94	3.93	36	83	119
<b>Net New Trips:</b>			<b>2,780</b>		<b>145</b>	<b>78</b>	<b>223</b>		<b>109</b>	<b>174</b>	<b>283</b>

**Notes:**

<sup>1</sup> Trip generation based on average rates contained in the *ITE Trip Generation Manual, 11th Edition*, for Multifamily Housing Low-Rise Not Close to Rail Transit (Land Use 220) located in a General Urban/Suburban setting. Rates are expressed in trips per dwelling unit (DU).

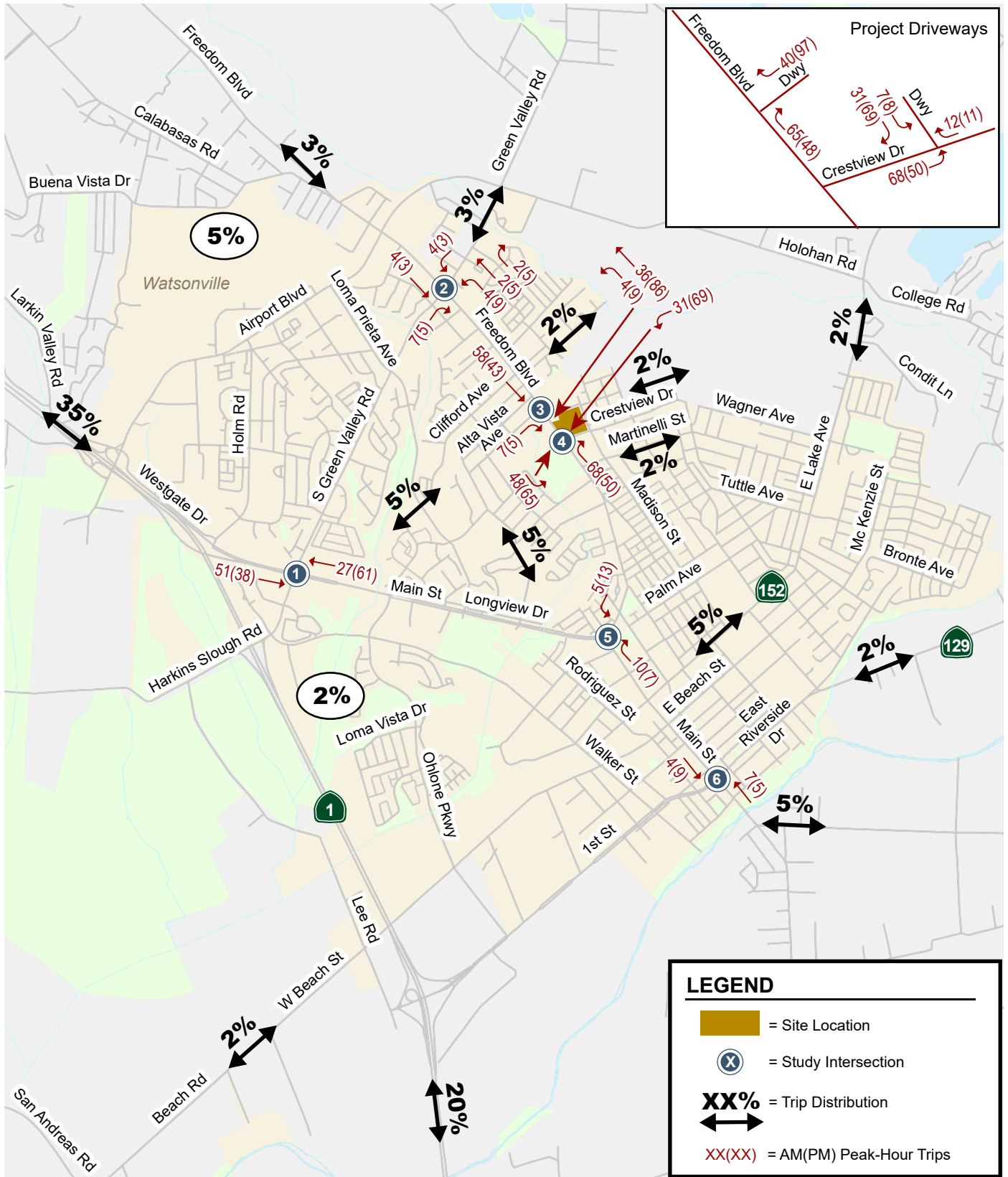
<sup>2</sup> Trip generation based on average rates contained in the *ITE Trip Generation Manual, 11th Edition*, for Affordable Housing - Income Limits (Land Use 223) located in a General Urban/Suburban setting. Rates are expressed in trips per dwelling unit (DU).

<sup>3</sup> Trip generation for the HSA outpatient services and administrative functions of the project based on average rates contained in the *ITE Trip Generation Manual, 11th Edition*, for Medical-Dental Office Building - Stand Alone (Land Use 720) located in a General Urban/Suburban setting. Rates are expressed in trips per 1,000 square feet (SF).

<sup>4</sup> Trip generation for the community serving uses of the project based on average rates contained in the *ITE Trip Generation Manual, 11th Edition*, for Recreational Community Center (Land Use 495) located in a General Urban/Suburban setting. Rates are expressed in trips per 1,000 square feet (SF).

**Trip Distribution and Trip Assignment**

The trip distribution pattern for the proposed development was estimated based on existing travel patterns on the surrounding roadway system and the locations of complementary land uses. The peak-hour trips generated by the existing and proposed uses were assigned to the roadway system based on the directions of approach and departure, the roadway network connections, and the locations of project driveways. The trips generated by the existing uses were subtracted from the roadway network prior to assigning project trips. The project trip distribution and assignment are shown on Figure 6.



**Figure 6**  
Project Trip Distribution and Assignment

## **Existing Plus Project Traffic Volumes**

Project trips, as represented in the project trip assignment, were added to existing traffic volumes to obtain existing plus project traffic volumes. The existing plus project traffic volumes are shown on Figure 7.

## **Existing Plus Project Intersection Analysis**

Table 5 shows that all of the study intersections would continue to operate at an acceptable level of service during both AM and PM peak hours. The intersection levels of service calculation sheets are included in Appendix B.

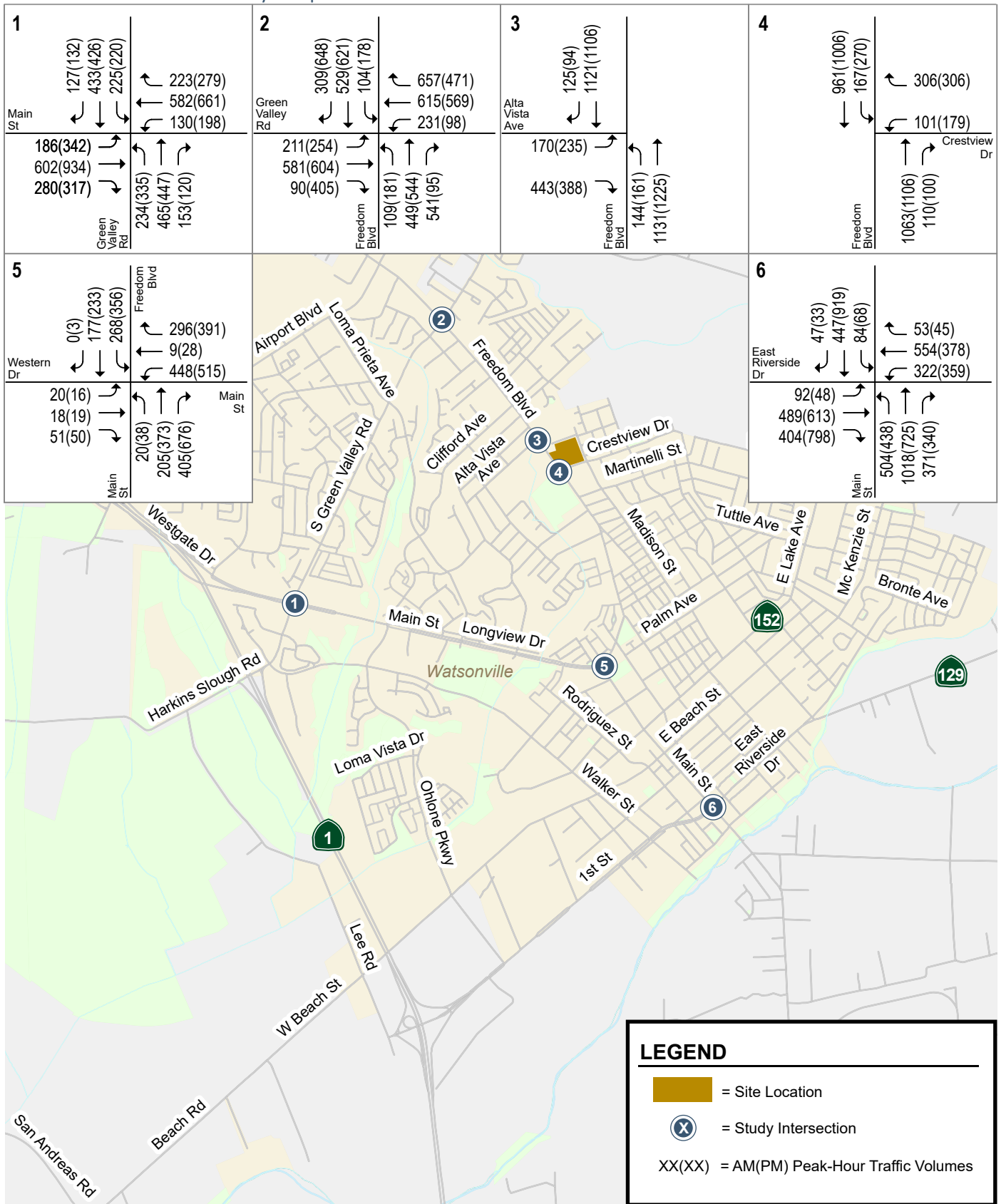


**Table 5  
Existing Plus Project Intersection Levels of Service**

#	Intersection	Control	Peak Hour	Count Date	Existing					Project Trips	Existing + Project Trips	% Increase in Volume
					No Project		With Project					
					Avg. Delay (sec)	LOS	Avg. Delay (sec)	LOS	Delay Increase (sec)			
1	Main Street and Green Valley Road*	Signal	AM	1/24/19	43.2	D	43.4	D	0.2	78	3640	2.2%
			PM	1/24/19	49.3	D	50.0	D	0.7	99	4411	2.3%
2	Freedom Boulevard and Green Valley Road	Signal	AM	2/11/20	51.9	D	52.3	D	0.4	23	4426	0.5%
			PM	2/11/20	47.9	D	49.1	D	1.2	30	4668	0.6%
3	Freedom Boulevard and Alta Vista Avenue	Signal	AM	2/11/20	16.2	B	16.8	B	0.6	105	3134	3.5%
			PM	2/11/20	16.9	B	17.1	C	0.2	143	3209	4.7%
4	Freedom Boulevard and Crestview Drive	Signal	AM	2/11/20	14.5	B	17.1	B	2.6	147	2708	5.7%
			PM	2/11/20	15.8	B	21.2	C	5.4	184	2967	6.6%
5	Freedom Boulevard and Main Street*	Signal	AM	1/24/19	35.8	D	36.1	D	0.3	15	1917	0.8%
			PM	1/24/19	37.0	D	37.2	D	0.2	20	2698	0.7%
6	Main Street and East Riverside Drive*	Signal	AM	5/24/22	47.2	D	47.3	D	0.1	11	4385	0.3%
			PM	5/24/22	53.9	D	54.5	D	0.6	14	4764	0.3%

Note: \* denotes Caltrans intersection

1430 Freedom Boulevard County Campus TA



**Figure 7**  
Existing Plus Project Traffic Volumes

**1430 Freedom Boulevard  
County Campus TA  
Technical Appendices**

July 26, 2022

## **Appendix A**

### **Traffic Counts**

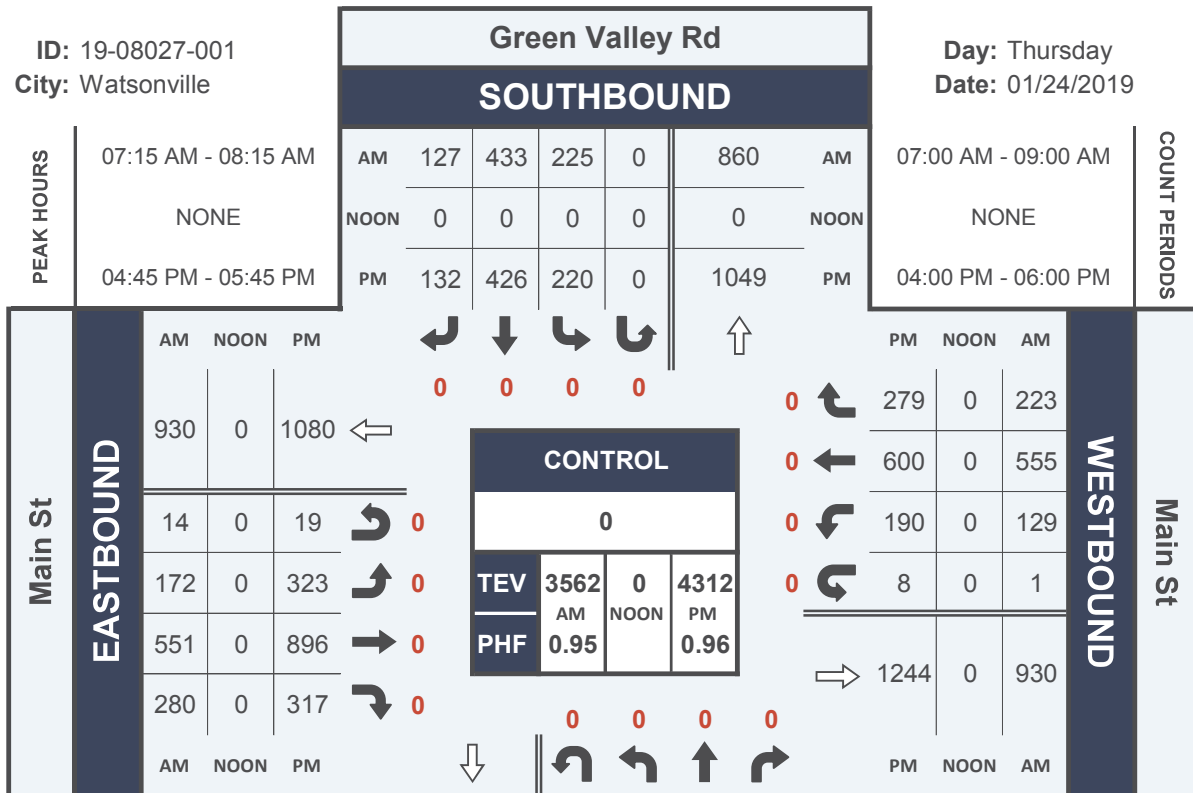
Prepared by National Data & Surveying Services

# Green Valley Rd & Main St

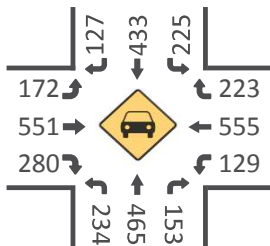
## Peak Hour Turning Movement Count

ID: 19-08027-001  
City: Watsonville

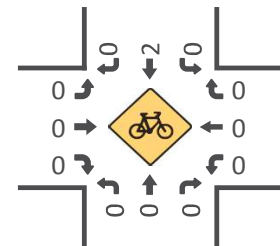
Day: Thursday  
Date: 01/24/2019



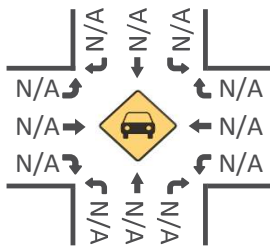
Total Vehicles (AM)



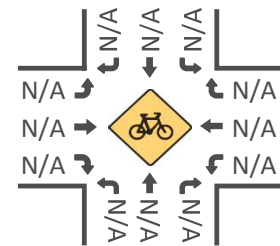
Bikes (AM)



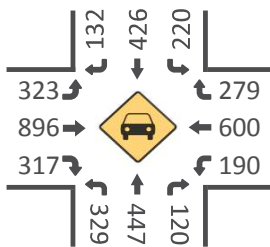
Total Vehicles (Noon)



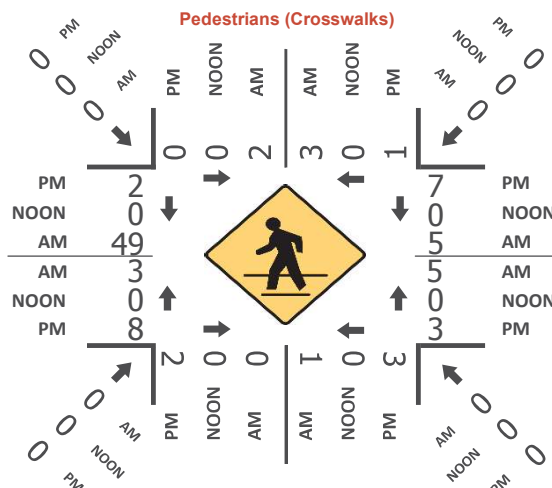
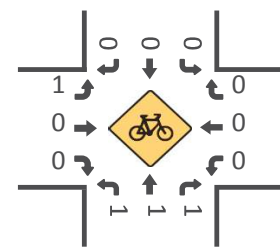
Bikes (NOON)



Total Vehicles (PM)



Bikes (PM)



# National Data & Surveying Services

## Intersection Turning Movement Count

**Location:** Green Valley Rd & Main St  
**City:** Watsonville  
**Control:**

**Project ID:** 19-08027-001  
**Date:** 1/24/2019

### Total

NS/EW Streets:	Green Valley Rd				Green Valley Rd				Main St				Main St				TOTAL
	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				
AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
7:00 AM	60	41	20	0	22	89	38	0	27	91	58	2	12	194	19	0	673
7:15 AM	65	82	21	0	30	157	44	0	26	116	90	2	47	139	32	0	851
7:30 AM	42	124	39	0	56	128	32	0	40	127	58	3	39	155	41	0	884
7:45 AM	70	147	52	0	80	64	21	0	53	171	54	3	21	118	84	0	938
8:00 AM	57	112	41	0	59	84	30	0	53	137	78	6	22	143	66	1	889
8:15 AM	39	66	17	0	50	98	18	0	57	117	57	1	21	129	44	0	714
8:30 AM	18	65	22	0	30	57	27	0	30	127	62	3	22	113	51	0	627
8:45 AM	28	83	14	0	45	76	22	0	47	131	42	4	17	113	36	1	659
<b>TOTAL VOLUMES :</b>	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	379	720	226	0	372	753	232	0	333	1017	499	24	201	1104	373	2	6235
<b>APPROACH %'s :</b>	28.60%	54.34%	17.06%	0.00%	27.41%	55.49%	17.10%	0.00%	17.78%	54.30%	26.64%	1.28%	11.96%	65.71%	22.20%	0.12%	
<b>PEAK HR :</b>	<b>07:15 AM - 08:15 AM</b>																TOTAL
<b>PEAK HR VOL :</b>	234	465	153	0	225	433	127	0	172	551	280	14	129	555	223	1	3562
<b>PEAK HR FACTOR :</b>	0.836	0.791	0.736	0.000	0.703	0.689	0.722	0.000	0.811	0.806	0.778	0.583	0.686	0.895	0.664	0.250	0.949
	0.792				0.850				0.905				0.966				
PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	TOTAL
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
4:00 PM	66	104	26	1	51	92	32	0	78	228	67	2	32	130	53	2	964
4:15 PM	56	95	42	2	60	81	29	0	67	183	43	5	38	146	58	8	913
4:30 PM	82	122	34	1	52	92	24	0	67	240	75	0	41	123	60	2	1015
4:45 PM	59	92	26	1	59	120	33	0	82	253	77	3	48	122	64	1	1040
5:00 PM	97	138	27	1	46	107	34	0	70	203	84	5	53	144	85	4	1098
5:15 PM	88	108	38	2	59	97	40	0	92	217	81	9	51	184	59	2	1127
5:30 PM	85	109	29	2	56	102	25	0	79	223	75	2	38	150	71	1	1047
5:45 PM	53	68	30	2	69	92	24	0	75	196	79	1	50	121	57	3	920
<b>TOTAL VOLUMES :</b>	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
	586	836	252	12	452	783	241	0	610	1743	581	27	351	1120	507	23	8124
<b>APPROACH %'s :</b>	34.76%	49.58%	14.95%	0.71%	30.62%	53.05%	16.33%	0.00%	20.60%	58.87%	19.62%	0.91%	17.54%	55.97%	25.34%	1.15%	
<b>PEAK HR :</b>	<b>04:45 PM - 05:45 PM</b>																TOTAL
<b>PEAK HR VOL :</b>	329	447	120	6	220	426	132	0	323	896	317	19	190	600	279	8	4312
<b>PEAK HR FACTOR :</b>	0.848	0.810	0.789	0.750	0.932	0.888	0.825	0.000	0.878	0.885	0.943	0.528	0.896	0.815	0.821	0.500	0.957
	0.857				0.917				0.937				0.910				

# National Data & Surveying Services

## Intersection Turning Movement Count

**Location:** Green Valley Rd & Main St  
**City:** Watsonville  
**Control:** 0

**Project ID:** 19-08027-001  
**Date:** 1/24/2019

### Bikes

NS/EW Streets:	Green Valley Rd				Green Valley Rd				Main St				Main St				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
7:00 AM	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2
7:15 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
7:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
8:15 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL VOLUMES :</b>	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
<b>APPROACH %'s :</b>	0	2	0	0	0	2	0	0	0	0	1	0	0	0	0	0	5
	0.00%	100.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%					
<b>PEAK HR :</b>	07:15 AM - 08:15 AM																TOTAL
<b>PEAK HR VOL :</b>	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
<b>PEAK HR FACTOR :</b>	0.000	0.000	0.000	0.000	0.000	0.500	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.500
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
4:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	3
5:30 PM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL VOLUMES :</b>	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
<b>APPROACH %'s :</b>	2	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	5
	50.00%	25.00%	25.00%	0.00%					100.00%	0.00%	0.00%	0.00%					
<b>PEAK HR :</b>	04:45 PM - 05:45 PM																TOTAL
<b>PEAK HR VOL :</b>	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	4
<b>PEAK HR FACTOR :</b>	0.25	0.250	0.250	0.000	0.000	0.000	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.333
			0.375							0.250							

# National Data & Surveying Services

## Intersection Turning Movement Count

**Location:** Green Valley Rd & Main St  
**City:** Watsonville

**Project ID:** 19-08027-001  
**Date:** 1/24/2019

### Pedestrians (Crosswalks)

NS/EW Streets:	Green Valley Rd		Green Valley Rd		Main St		Main St		TOTAL
	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
AM	EB	WB	EB	WB	NB	SB	NB	SB	
7:00 AM	0	0	0	0	0	2	0	4	6
7:15 AM	1	0	0	0	1	1	0	7	10
7:30 AM	0	2	0	0	1	2	0	23	28
7:45 AM	0	1	0	0	2	1	2	18	24
8:00 AM	1	0	0	1	1	1	1	1	6
8:15 AM	0	0	0	0	1	0	0	1	2
8:30 AM	2	0	0	0	0	0	0	0	2
8:45 AM	0	0	0	0	0	0	1	0	1
<b>TOTAL VOLUMES :</b>	4	3	0	1	6	7	4	54	79
<b>APPROACH %'s :</b>	57.14%	42.86%	0.00%	100.00%	46.15%	53.85%	6.90%	93.10%	
<b>PEAK HR :</b>	07:15 AM - 08:15 AM								
<b>PEAK HR VOL :</b>	2	3	0	1	5	5	3	49	68
<b>PEAK HR FACTOR :</b>	0.500	0.375		0.250	0.625	0.625	0.375	0.533	0.607
	0.625		0.250		0.833		0.565		

NS/EW Streets:	Green Valley Rd		Green Valley Rd		Main St		Main St		TOTAL
	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
PM	EB	WB	EB	WB	NB	SB	NB	SB	
4:00 PM	0	0	0	1	0	1	0	1	3
4:15 PM	2	0	0	1	1	1	2	0	7
4:30 PM	2	0	1	0	5	0	3	0	11
4:45 PM	0	0	0	1	0	1	0	1	3
5:00 PM	0	0	1	1	1	4	0	0	7
5:15 PM	0	0	1	0	1	0	6	0	8
5:30 PM	0	1	0	1	1	2	2	1	8
5:45 PM	0	0	2	1	0	0	2	1	6
<b>TOTAL VOLUMES :</b>	4	1	5	6	9	9	15	4	53
<b>APPROACH %'s :</b>	80.00%	20.00%	45.45%	54.55%	50.00%	50.00%	78.95%	21.05%	
<b>PEAK HR :</b>	04:45 PM - 05:45 PM								
<b>PEAK HR VOL :</b>	0	1	2	3	3	7	8	2	26
<b>PEAK HR FACTOR :</b>		0.250	0.500	0.750	0.750	0.438	0.333	0.500	0.813
	0.250		0.625		0.500		0.417		



# Turning Movement Volume Report

Report Date: 06/21/2022

From 02/10/2020 07:00:00 to 02/14/2020 19:00:00

Freedom Blvd @ Green Valley Rd

Intersection: 6

Flex Group: [All]

Time	Freedom Bl SB				Freedom Bl NB				Green Valley Rd WB				Green Valley Rd EB				Int
	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	Total
02/10/2020 07:00-07:15	25	94	45	164	14	49	17	80	9	62	39	110	21	54	12	87	441
02/10/2020 07:15-07:30	19	120	46	185	15	65	46	126	13	62	57	132	31	68	7	106	549
02/10/2020 07:30-07:45	27	124	37	188	27	85	73	185	30	103	98	231	28	64	10	102	706
02/10/2020 07:45-08:00	28	108	55	191	23	115	127	265	33	89	172	294	36	174	17	227	977
02/10/2020 08:00-08:15	22	103	62	187	29	88	109	226	31	83	147	261	36	103	14	153	827
02/10/2020 08:15-08:30	17	87	48	152	4	73	80	157	30	75	92	197	25	75	15	115	621
02/10/2020 08:30-08:45	21	85	42	148	11	56	69	136	31	100	93	224	36	79	8	123	631
02/10/2020 08:45-09:00	21	78	53	152	7	91	76	174	28	95	108	231	26	86	9	121	678
02/10/2020 09:00-09:15	31	79	50	160	6	76	80	162	20	82	84	186	16	109	26	151	659
02/10/2020 09:15-09:30	30	74	47	151	8	72	61	141	23	89	66	178	25	83	19	127	597
02/10/2020 09:30-09:45	29	88	40	157	0	95	56	151	23	101	104	228	25	74	15	114	650
02/10/2020 09:45-10:00	30	86	48	164	1	77	55	133	20	94	111	225	31	81	19	131	653
02/10/2020 10:00-10:15	25	77	49	151	2	70	52	124	25	101	94	220	26	63	14	103	598
02/10/2020 10:15-10:30	31	100	58	189	4	77	49	130	12	118	99	229	29	79	10	118	666
02/10/2020 10:30-10:45	31	88	46	165	5	91	47	143	26	82	132	240	30	80	24	134	682
02/10/2020 10:45-11:00	36	80	51	167	11	81	50	142	17	106	117	240	29	94	25	148	697
02/10/2020 11:00-11:15	40	100	69	209	11	115	63	189	21	95	114	230	36	91	21	148	776
02/10/2020 11:15-11:30	41	96	69	206	19	94	59	172	14	83	127	224	36	96	27	159	761
02/10/2020 11:30-11:45	37	94	55	186	7	97	56	160	17	82	108	207	40	97	22	159	712
02/10/2020 11:45-12:00	49	110	70	229	12	106	51	169	21	103	114	238	50	82	20	152	788
02/10/2020 12:00-12:15	55	97	76	228	14	95	53	162	39	119	107	265	54	112	39	205	860
02/10/2020 12:15-12:30	46	108	58	212	10	99	57	166	41	107	114	262	55	123	51	229	869
02/10/2020 12:30-12:45	45	100	60	205	13	93	47	153	50	99	108	257	57	104	42	203	818
02/10/2020 12:45-13:00	40	99	61	200	12	106	37	155	51	103	99	253	53	119	35	207	815
02/10/2020 13:00-13:15	50	111	61	222	15	91	29	135	32	100	97	229	50	100	51	201	787

Time	Freedom Bl SB				Freedom Bl NB				Green Valley Rd WB				Green Valley Rd EB				Int
	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	Total
02/10/2020 13:15-13:30	43	121	70	234	11	78	36	125	38	89	71	198	50	105	49	204	761
02/10/2020 13:30-13:45	44	100	80	224	14	75	42	131	39	117	91	247	52	96	34	182	784
02/10/2020 13:45-14:00	42	156	64	262	12	84	39	135	26	113	99	238	48	95	46	189	824
02/10/2020 14:00-14:15	26	134	68	228	22	98	31	151	34	104	75	213	53	115	53	221	813
02/10/2020 14:15-14:30	44	121	85	250	23	108	43	174	29	146	75	250	47	104	55	206	880
02/10/2020 14:30-14:45	33	150	71	254	23	98	31	152	38	138	87	263	54	87	79	220	889
02/10/2020 14:45-15:00	28	121	85	234	15	125	28	168	49	108	105	262	58	120	68	246	910
02/10/2020 15:00-15:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02/10/2020 15:15-15:30	29	124	93	246	22	140	30	192	20	81	101	202	33	72	79	184	824
02/10/2020 15:30-15:45	40	132	116	288	36	149	24	209	17	104	115	236	41	122	90	253	986
02/10/2020 15:45-16:00	26	149	124	299	46	116	23	185	13	102	100	215	49	115	112	276	975
02/10/2020 16:00-16:15	27	164	134	325	32	145	23	200	19	110	94	223	45	126	137	308	1056
02/10/2020 16:15-16:30	30	156	147	333	64	138	14	216	21	111	91	223	58	114	97	269	1041
02/10/2020 16:30-16:45	40	170	145	355	51	153	36	240	24	135	112	271	61	172	116	349	1215
02/10/2020 16:45-17:00	45	160	151	356	40	129	23	192	17	133	111	261	66	122	46	234	1043
02/10/2020 17:00-17:15	55	114	131	300	28	168	39	235	36	112	127	275	80	118	8	206	1016
02/10/2020 17:15-17:30	40	97	79	216	32	142	58	232	28	99	93	220	49	113	10	172	840
02/10/2020 17:30-17:45	55	118	73	246	23	132	64	219	18	137	43	198	47	117	8	172	835
02/10/2020 17:45-18:00	34	90	79	203	24	128	52	204	16	117	110	243	69	96	6	171	821
02/10/2020 18:00-18:15	29	88	85	202	16	136	35	187	23	86	145	254	36	51	25	112	755
02/10/2020 18:15-18:30	22	92	76	190	22	126	66	214	11	67	133	211	32	80	17	129	744
02/10/2020 18:30-18:45	20	60	87	167	25	97	50	172	18	82	102	202	25	69	13	107	648
02/10/2020 18:45-19:00	20	87	66	173	13	88	47	148	16	77	125	218	19	67	12	98	637
02/10/2020 19:00-19:15	27	55	61	143	17	75	55	147	15	83	83	181	20	81	20	121	592
02/10/2020 19:15-19:30	23	59	67	149	14	74	30	118	13	59	79	151	16	41	16	73	491
02/10/2020 19:30-19:45	21	60	68	149	9	46	24	79	11	64	84	159	20	41	9	70	457
02/10/2020 19:45-20:00	21	44	64	129	7	54	28	89	14	80	70	164	22	51	8	81	463
02/10/2020 20:00-20:15	17	47	54	118	6	49	23	78	14	56	58	128	18	45	17	80	404
02/10/2020 20:15-20:30	24	52	44	120	7	49	26	82	13	50	59	122	16	37	7	60	384

Time	Freedom Bl SB				Freedom Bl NB				Green Valley Rd WB				Green Valley Rd EB				Int
	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	Total
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02/10/2020 20:45-21:00	16	38	43	97	6	42	17	65	4	58	61	123	10	35	3	48	333
02/10/2020 21:00-21:15	19	40	34	93	10	32	30	72	6	49	50	105	15	35	13	63	333
02/10/2020 21:15-21:30	23	27	38	88	11	36	16	63	8	41	36	85	12	24	2	38	274
02/10/2020 21:30-21:45	14	35	36	85	5	41	11	57	7	38	38	83	12	28	6	46	271
02/10/2020 21:45-22:00	8	14	33	55	8	33	6	47	7	42	40	89	16	13	9	38	229
02/10/2020 22:00-22:15	10	39	24	73	4	17	7	28	5	30	30	65	12	15	0	27	193
02/10/2020 22:15-22:30	5	22	14	41	5	42	6	53	3	22	25	50	9	17	0	26	170
02/10/2020 22:30-22:45	7	19	11	37	3	15	4	22	6	19	17	42	5	11	2	18	119
02/10/2020 22:45-23:00	6	11	16	33	2	17	5	24	2	20	15	37	9	6	1	16	110
02/10/2020 23:00-23:15	8	11	12	31	2	16	8	26	6	23	13	42	6	11	1	18	117
02/10/2020 23:15-23:30	4	9	6	19	4	19	4	27	3	11	11	25	5	13	1	19	90
02/10/2020 23:30-23:45	0	7	8	15	5	20	1	26	2	4	6	12	3	8	3	14	67
02/10/2020 23:45-00:00	3	12	2	17	3	17	1	21	1	9	9	19	3	6	0	9	66
02/11/2020 00:00-00:15	3	6	6	15	1	8	2	11	1	7	5	13	1	6	0	7	46
02/11/2020 00:15-00:30	5	3	1	9	3	8	0	11	1	9	4	14	4	6	0	10	44
02/11/2020 00:30-00:45	3	5	8	16	1	6	1	8	1	3	12	16	4	3	0	7	47
02/11/2020 00:45-01:00	2	2	6	10	1	9	2	12	1	10	2	13	0	5	0	5	40
02/11/2020 01:00-01:15	2	3	6	11	0	10	3	13	0	3	9	12	4	10	0	14	50
02/11/2020 01:15-01:30	3	4	2	9	3	1	1	5	0	8	12	20	1	7	0	8	42
02/11/2020 01:30-01:45	2	1	4	7	2	3	1	6	0	10	1	11	1	6	0	7	31
02/11/2020 01:45-02:00	0	3	0	3	0	0	3	3	0	3	1	4	1	5	4	10	20
02/11/2020 02:00-02:15	0	2	2	4	0	6	0	6	0	2	2	4	0	0	0	0	14
02/11/2020 02:15-02:30	1	4	0	5	0	2	2	4	0	5	0	5	1	0	1	2	16
02/11/2020 02:30-02:45	0	4	3	7	0	3	0	3	1	3	2	6	2	0	0	2	18
02/11/2020 02:45-03:00	4	1	1	6	0	1	0	1	0	2	0	2	0	5	1	6	15
02/11/2020 03:00-03:15	0	2	1	3	0	2	0	2	0	1	2	3	0	0	0	0	8
02/11/2020 03:15-03:30	2	4	5	11	1	2	4	7	0	3	6	9	1	3	6	10	37
02/11/2020 03:30-03:45	5	5	2	12	1	7	2	10	0	3	0	3	1	4	1	6	31

Time	Freedom Bl SB				Freedom Bl NB				Green Valley Rd WB				Green Valley Rd EB				Int
	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	Total
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02/11/2020 04:00-04:15	2	4	2	8	1	1	4	6	0	8	7	15	2	9	0	11	40
02/11/2020 04:15-04:30	3	8	2	13	0	3	1	4	2	6	5	13	1	6	1	8	38
02/11/2020 04:30-04:45	4	10	9	23	3	4	3	10	2	12	6	20	3	14	3	20	73
02/11/2020 04:45-05:00	6	16	7	29	2	18	8	28	1	13	16	30	10	23	2	35	122
02/11/2020 05:00-05:15	11	14	11	36	2	13	4	19	1	20	13	34	10	17	0	27	116
02/11/2020 05:15-05:30	6	32	21	59	1	13	2	16	4	21	14	39	6	20	9	35	149
02/11/2020 05:30-05:45	9	48	14	71	1	14	8	23	5	25	25	55	14	21	5	40	189
02/11/2020 05:45-06:00	10	42	25	77	5	27	17	49	6	29	25	60	16	37	4	57	243
02/11/2020 06:00-06:15	20	40	30	90	5	31	22	58	6	21	31	58	14	51	12	77	283
02/11/2020 06:15-06:30	18	77	52	147	7	38	14	59	9	37	34	80	15	31	17	63	349
02/11/2020 06:30-06:45	21	117	71	209	4	43	27	74	20	59	31	110	16	46	7	69	462
02/11/2020 06:45-07:00	21	155	62	238	6	49	28	83	15	68	35	118	31	64	15	110	549
02/11/2020 07:00-07:15	22	133	52	207	10	67	31	108	13	67	48	128	32	59	11	102	545
02/11/2020 07:15-07:30	35	149	67	251	13	100	60	173	20	80	57	157	30	103	15	148	729
02/11/2020 07:30-07:45	30	144	58	232	38	120	119	277	43	146	128	317	52	128	27	207	1033
02/11/2020 07:45-08:00	24	123	85	232	31	145	144	320	62	163	233	458	64	201	20	285	1295
02/11/2020 08:00-08:15	27	137	85	249	32	103	156	291	56	146	176	378	49	137	12	198	1116
02/11/2020 08:15-08:30	23	121	81	225	4	79	120	203	66	160	120	346	46	115	24	185	959
02/11/2020 08:30-08:45	21	112	80	213	5	106	121	232	40	127	139	306	45	124	19	188	939
02/11/2020 08:45-09:00	35	86	84	205	2	96	92	190	36	140	124	300	40	119	23	182	877
02/11/2020 09:00-09:15	30	77	57	164	7	60	68	135	35	138	99	272	29	102	16	147	718
02/11/2020 09:15-09:30	35	67	64	166	7	76	69	152	25	103	104	232	41	103	18	162	712
02/11/2020 09:30-09:45	27	74	53	154	0	78	54	132	24	71	100	195	25	74	11	110	591
02/11/2020 09:45-10:00	30	66	46	142	1	67	69	137	27	104	79	210	34	95	18	147	636
02/11/2020 10:00-10:15	35	63	57	155	9	69	54	132	21	101	88	210	30	88	25	143	640
02/11/2020 10:15-10:30	43	85	58	186	2	91	52	145	21	92	91	204	25	87	13	125	660
02/11/2020 10:30-10:45	29	73	51	153	0	61	44	105	12	118	99	229	25	79	20	124	611
02/11/2020 10:45-11:00	42	81	56	179	6	105	46	157	17	99	120	236	36	67	21	124	696

Time	Freedom Bl SB				Freedom Bl NB				Green Valley Rd WB				Green Valley Rd EB				Int
	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	Total
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02/11/2020 11:15-11:30	39	104	57	200	5	103	55	163	17	82	113	212	36	82	27	145	720
02/11/2020 11:30-11:45	43	94	70	207	5	68	39	112	13	89	94	196	52	82	28	162	677
02/11/2020 11:45-12:00	37	98	63	198	4	88	48	140	11	93	105	209	43	88	44	175	722
02/11/2020 12:00-12:15	30	91	76	197	0	111	64	175	24	88	111	223	40	99	29	168	763
02/11/2020 12:15-12:30	51	88	78	217	4	106	59	169	12	78	102	192	33	93	37	163	741
02/11/2020 12:30-12:45	40	111	61	212	9	84	49	142	20	100	99	219	43	82	61	186	759
02/11/2020 12:45-13:00	44	107	76	227	11	88	52	151	18	90	100	208	36	82	55	173	759
02/11/2020 13:00-13:15	49	74	67	190	8	79	36	123	16	77	79	172	42	85	61	188	673
02/11/2020 13:15-13:30	38	94	72	204	5	78	46	129	19	82	83	184	29	67	78	174	691
02/11/2020 13:30-13:45	33	93	74	200	9	77	38	124	22	86	63	171	42	68	75	185	680
02/11/2020 13:45-14:00	47	101	79	227	5	86	33	124	13	105	84	202	30	91	87	208	761
02/11/2020 14:00-14:15	33	95	69	197	3	70	33	106	21	92	82	195	35	83	87	205	703
02/11/2020 14:15-14:30	53	95	96	244	7	67	28	102	29	114	67	210	30	86	99	215	771
02/11/2020 14:30-14:45	41	83	90	214	5	97	26	128	22	106	122	250	39	91	101	231	823
02/11/2020 14:45-15:00	44	84	104	232	16	72	21	109	25	125	114	264	40	98	120	258	863
02/11/2020 15:00-15:15	40	81	108	229	36	127	44	207	18	111	118	247	30	95	109	234	917
02/11/2020 15:15-15:30	36	132	110	278	32	89	30	151	24	109	107	240	38	112	123	273	942
02/11/2020 15:30-15:45	38	138	139	315	31	92	37	160	24	139	94	257	45	136	121	302	1034
02/11/2020 15:45-16:00	41	149	133	323	36	155	25	216	15	117	132	264	44	127	143	314	1117
02/11/2020 16:00-16:15	49	173	158	380	41	125	26	192	20	106	112	238	55	127	137	319	1129
02/11/2020 16:15-16:30	42	158	163	363	53	142	19	214	18	145	103	266	45	126	103	274	1117
02/11/2020 16:30-16:45	40	149	160	349	45	130	22	197	24	148	125	297	85	167	106	358	1201
02/11/2020 16:45-17:00	47	138	167	352	33	142	23	198	33	170	131	334	69	184	54	307	1191
02/11/2020 17:00-17:15	51	112	141	304	30	142	51	223	52	146	116	314	74	152	16	242	1083
02/11/2020 17:15-17:30	42	104	132	278	34	118	50	202	27	149	102	278	70	120	8	198	956
02/11/2020 17:30-17:45	45	100	92	237	34	116	55	205	17	143	115	275	45	131	18	194	911
02/11/2020 17:45-18:00	39	114	97	250	31	160	53	244	16	108	98	222	58	99	7	164	880
02/11/2020 18:00-18:15	24	68	73	165	20	99	63	182	20	113	126	259	33	91	17	141	747

Time	Freedom BI SB				Freedom BI NB				Green Valley Rd WB				Green Valley Rd EB				Int
	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	Total
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02/11/2020 18:30-18:45	26	74	83	183	28	102	61	191	20	103	108	231	20	61	13	94	699
02/11/2020 18:45-19:00	22	67	65	154	17	85	57	159	16	77	103	196	18	52	11	81	590
02/11/2020 19:00-19:15	23	77	93	193	23	83	46	152	17	90	108	215	27	56	9	92	652
02/11/2020 19:15-19:30	21	55	86	162	9	68	40	117	12	76	68	156	26	59	14	99	534
02/11/2020 19:30-19:45	24	43	46	113	10	73	35	118	12	75	79	166	25	59	8	92	489
02/11/2020 19:45-20:00	26	51	53	130	16	59	30	105	15	66	73	154	21	47	12	80	469
02/11/2020 20:00-20:15	19	61	65	145	15	41	27	83	12	60	66	138	19	47	15	81	447
02/11/2020 20:15-20:30	12	41	61	114	4	40	15	59	8	69	46	123	19	29	7	55	351
02/11/2020 20:30-20:45	22	43	48	113	15	44	24	83	7	54	67	128	24	42	9	75	399
02/11/2020 20:45-21:00	12	35	55	102	10	40	20	70	7	67	50	124	16	34	7	57	353
02/11/2020 21:00-21:15	19	43	55	117	9	63	16	88	5	46	62	113	15	28	6	49	367
02/11/2020 21:15-21:30	19	34	32	85	7	47	22	76	5	31	34	70	10	33	5	48	279
02/11/2020 21:30-21:45	10	21	27	58	6	32	9	47	9	36	41	86	14	30	2	46	237
02/11/2020 21:45-22:00	6	32	34	72	9	25	11	45	4	31	23	58	12	19	5	36	211
02/11/2020 22:00-22:15	7	24	28	59	10	33	10	53	5	32	23	60	7	20	3	30	202
02/11/2020 22:15-22:30	10	24	23	57	6	30	8	44	8	29	23	60	10	26	8	44	205
02/11/2020 22:30-22:45	10	15	6	31	6	18	6	30	6	21	26	53	11	13	2	26	140
02/11/2020 22:45-23:00	6	6	10	22	5	20	5	30	3	24	11	38	6	9	2	17	107
02/11/2020 23:00-23:15	3	9	10	22	2	12	7	21	6	28	11	45	7	19	1	27	115
02/11/2020 23:15-23:30	7	14	18	39	4	24	2	30	4	9	17	30	1	10	3	14	113
02/11/2020 23:30-23:45	4	22	4	30	4	12	3	19	1	9	10	20	3	9	1	13	82
02/11/2020 23:45-00:00	1	10	6	17	4	11	1	16	4	7	13	24	3	7	3	13	70
02/12/2020 00:00-00:15	4	10	0	14	1	7	5	13	0	9	7	16	4	0	1	5	48
02/12/2020 00:15-00:30	3	2	1	6	3	9	2	14	2	8	4	14	0	9	1	10	44
02/12/2020 00:30-00:45	4	4	5	13	2	12	1	15	1	1	6	8	2	3	0	5	41
02/12/2020 00:45-01:00	3	7	4	14	1	7	2	10	0	6	5	11	2	3	0	5	40
02/12/2020 01:00-01:15	3	1	3	7	2	3	0	5	0	6	8	14	2	4	0	6	32
02/12/2020 01:15-01:30	1	1	3	5	0	3	0	3	1	3	1	5	1	5	0	6	19

Time	Freedom Bl SB				Freedom Bl NB				Green Valley Rd WB				Green Valley Rd EB				Int
	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	Total
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02/12/2020 01:45-02:00	4	2	2	8	0	2	1	3	2	3	3	8	1	2	0	3	22
02/12/2020 02:00-02:15	0	0	1	1	2	4	0	6	0	6	2	8	1	1	0	2	17
02/12/2020 02:15-02:30	0	4	2	6	0	2	0	2	0	3	0	3	1	0	1	2	13
02/12/2020 02:30-02:45	1	3	3	7	0	3	1	4	1	0	1	2	1	3	1	5	18
02/12/2020 02:45-03:00	1	0	0	1	0	0	3	3	0	3	0	3	2	3	0	5	12
02/12/2020 03:00-03:15	0	1	4	5	1	3	1	5	0	3	2	5	0	2	2	4	19
02/12/2020 03:15-03:30	1	7	1	9	0	1	1	2	2	4	1	7	0	4	4	8	26
02/12/2020 03:30-03:45	3	9	1	13	1	0	2	3	0	3	0	3	0	5	2	7	26
02/12/2020 03:45-04:00	1	7	1	9	2	9	3	14	0	6	8	14	1	15	0	16	53
02/12/2020 04:00-04:15	1	11	1	13	1	2	2	5	0	6	3	9	0	4	2	6	33
02/12/2020 04:15-04:30	3	10	2	15	0	3	2	5	0	5	6	11	4	5	2	11	42
02/12/2020 04:30-04:45	6	10	8	24	1	8	7	16	1	13	12	26	5	17	4	26	92
02/12/2020 04:45-05:00	7	22	9	38	0	7	13	20	0	16	8	24	9	32	9	50	132
02/12/2020 05:00-05:15	10	12	10	32	1	9	12	22	4	14	11	29	6	23	0	29	112
02/12/2020 05:15-05:30	10	32	10	52	3	21	4	28	4	22	22	48	10	22	7	39	167
02/12/2020 05:30-05:45	8	66	9	83	2	15	14	31	4	20	18	42	11	12	5	28	184
02/12/2020 05:45-06:00	9	28	29	66	2	14	19	35	4	30	14	48	12	33	9	54	203
02/12/2020 06:00-06:15	19	50	28	97	5	31	31	67	8	34	31	73	15	52	6	73	310
02/12/2020 06:15-06:30	18	61	49	128	9	33	19	61	9	42	35	86	15	38	12	65	340
02/12/2020 06:30-06:45	17	126	61	204	6	44	12	62	13	61	37	111	19	48	11	78	455
02/12/2020 06:45-07:00	19	145	65	229	10	53	28	91	16	83	33	132	29	60	13	102	554
02/12/2020 07:00-07:15	27	157	43	227	12	80	35	127	16	69	41	126	27	77	18	122	602
02/12/2020 07:15-07:30	28	128	62	218	15	89	58	162	25	99	78	202	48	96	7	151	733
02/12/2020 07:30-07:45	33	158	79	270	26	125	95	246	37	135	118	290	35	95	23	153	959
02/12/2020 07:45-08:00	29	113	84	226	28	141	140	309	60	160	202	422	55	163	18	236	1193
02/12/2020 08:00-08:15	32	123	107	262	27	112	135	274	55	174	155	384	44	129	10	183	1103
02/12/2020 08:15-08:30	28	139	79	246	28	57	116	201	42	139	101	282	40	105	7	152	881
02/12/2020 08:30-08:45	33	91	107	231	20	96	100	216	34	153	97	284	32	140	10	182	913

Time	Freedom Bl SB				Freedom Bl NB				Green Valley Rd WB				Green Valley Rd EB				Int
	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	Total
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02/12/2020 09:00-09:15	27	67	76	170	14	62	61	137	26	119	81	226	41	77	10	128	661
02/12/2020 09:15-09:30	27	74	59	160	10	74	69	153	30	100	73	203	28	78	8	114	630
02/12/2020 09:30-09:45	28	77	57	162	10	61	71	142	27	71	80	178	31	96	11	138	620
02/12/2020 09:45-10:00	36	82	69	187	16	86	64	166	24	106	86	216	25	74	7	106	675
02/12/2020 10:00-10:15	22	66	45	133	19	77	53	149	14	72	97	183	31	100	6	137	602
02/12/2020 10:15-10:30	34	77	58	169	28	72	64	164	15	100	90	205	29	72	11	112	650
02/12/2020 10:30-10:45	32	75	65	172	10	67	40	117	19	80	72	171	35	73	15	123	583
02/12/2020 10:45-11:00	25	86	60	171	17	95	47	159	15	86	97	198	37	69	18	124	652
02/12/2020 11:00-11:15	39	101	67	207	15	94	60	169	16	79	86	181	46	61	17	124	681
02/12/2020 11:15-11:30	32	98	56	186	16	94	51	161	18	81	103	202	40	103	17	160	709
02/12/2020 11:30-11:45	36	103	63	202	8	95	51	154	18	73	101	192	51	84	26	161	709
02/12/2020 11:45-12:00	47	126	57	230	20	95	61	176	19	113	100	232	50	98	26	174	812
02/12/2020 12:00-12:15	49	95	78	222	21	106	51	178	12	106	100	218	39	123	21	183	801
02/12/2020 12:15-12:30	50	128	83	261	25	118	60	203	16	85	88	189	41	87	25	153	806
02/12/2020 12:30-12:45	47	121	67	235	18	93	45	156	23	81	92	196	47	87	33	167	754
02/12/2020 12:45-13:00	47	132	88	267	25	128	69	222	18	96	113	227	41	101	25	167	883
02/12/2020 13:00-13:15	38	104	93	235	23	95	54	172	25	116	86	227	30	106	36	172	806
02/12/2020 13:15-13:30	38	92	95	225	20	85	38	143	24	111	102	237	41	117	28	186	791
02/12/2020 13:30-13:45	43	112	74	229	22	108	56	186	24	117	109	250	40	140	46	226	891
02/12/2020 13:45-14:00	42	132	91	265	15	79	38	132	23	131	104	258	43	63	40	146	801
02/12/2020 14:00-14:15	47	86	75	208	20	101	24	145	25	122	115	262	46	98	57	201	816
02/12/2020 14:15-14:30	44	86	79	209	18	123	28	169	15	102	93	210	38	129	89	256	844
02/12/2020 14:30-14:45	49	112	78	239	10	106	44	160	25	116	128	269	35	94	127	256	924
02/12/2020 14:45-15:00	37	87	126	250	11	101	30	142	19	112	96	227	36	85	124	245	864
02/12/2020 15:00-15:15	30	96	104	230	8	108	27	143	23	97	114	234	31	99	145	275	882
02/12/2020 15:15-15:30	33	100	86	219	1	130	37	168	18	115	99	232	45	140	81	266	885
02/12/2020 15:30-15:45	47	105	140	292	13	124	34	171	27	126	124	277	37	127	165	329	1069
02/12/2020 15:45-16:00	34	109	144	287	18	150	23	191	20	110	121	251	51	97	168	316	1045



Time	Freedom Bl SB				Freedom Bl NB				Green Valley Rd WB				Green Valley Rd EB				Int
	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	Total
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02/12/2020 16:15-16:30	35	142	146	323	34	110	20	164	19	134	96	249	71	143	90	304	1040
02/12/2020 16:30-16:45	46	172	126	344	36	134	25	195	22	132	131	285	74	135	78	287	1111
02/12/2020 16:45-17:00	44	115	117	276	35	141	30	206	19	132	126	277	71	130	35	236	995
02/12/2020 17:00-17:15	38	104	80	222	34	167	52	253	14	116	118	248	62	117	9	188	911
02/12/2020 17:15-17:30	65	95	80	240	29	107	53	189	14	120	102	236	52	121	8	181	846
02/12/2020 17:30-17:45	36	119	83	238	22	105	41	168	19	126	104	249	58	115	6	179	834
02/12/2020 17:45-18:00	34	112	93	239	30	134	42	206	19	107	104	230	62	92	6	160	835
02/12/2020 18:00-18:15	22	62	85	169	23	116	51	190	19	93	126	238	33	74	15	122	719
02/12/2020 18:15-18:30	32	94	86	212	13	85	53	151	13	74	126	213	35	70	10	115	691
02/12/2020 18:30-18:45	29	80	85	194	14	124	46	184	17	76	109	202	20	54	16	90	670
02/12/2020 18:45-19:00	27	74	86	187	10	94	58	162	18	76	121	215	30	69	14	113	677
02/12/2020 19:00-19:15	23	64	63	150	11	63	42	116	16	82	98	196	23	50	18	91	553
02/12/2020 19:15-19:30	28	55	83	166	18	79	43	140	13	52	93	158	23	49	10	82	546
02/12/2020 19:30-19:45	24	48	50	122	5	77	35	117	8	52	77	137	21	48	12	81	457
02/12/2020 19:45-20:00	21	46	64	131	10	62	40	112	13	73	67	153	20	50	11	81	477
02/12/2020 20:00-20:15	27	54	52	133	17	73	49	139	16	71	75	162	17	60	3	80	514
02/12/2020 20:15-20:30	14	56	56	126	15	46	30	91	10	67	74	151	21	47	13	81	449
02/12/2020 20:30-20:45	25	45	54	124	10	39	32	81	12	69	57	138	20	42	9	71	414
02/12/2020 20:45-21:00	20	37	59	116	7	52	14	73	13	64	57	134	16	39	3	58	381
02/12/2020 21:00-21:15	16	37	51	104	8	57	27	92	11	57	48	116	13	31	13	57	369
02/12/2020 21:15-21:30	20	36	49	105	7	38	18	63	11	47	53	111	16	32	6	54	333
02/12/2020 21:30-21:45	7	31	41	79	7	30	7	44	7	39	34	80	13	22	6	41	244
02/12/2020 21:45-22:00	11	29	25	65	5	27	10	42	7	35	40	82	13	24	9	46	235
02/12/2020 22:00-22:15	11	24	31	66	3	27	12	42	7	33	32	72	12	19	6	37	217
02/12/2020 22:15-22:30	16	15	24	55	8	36	8	52	6	29	27	62	7	14	1	22	191
02/12/2020 22:30-22:45	3	23	16	42	5	20	10	35	10	30	24	64	7	23	1	31	172
02/12/2020 22:45-23:00	6	11	15	32	6	17	4	27	2	14	14	30	7	11	2	20	109
02/12/2020 23:00-23:15	4	14	20	38	2	18	2	22	2	25	14	41	6	13	4	23	124

Time	Freedom Bl SB				Freedom Bl NB				Green Valley Rd WB				Green Valley Rd EB				Int
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02/12/2020 23:30-23:45	5	5	13	23	10	16	4	30	3	8	8	19	4	10	3	17	89
02/12/2020 23:45-00:00	4	10	8	22	1	14	0	15	2	12	10	24	6	6	2	14	75
02/13/2020 00:00-00:15	6	5	8	19	3	9	3	15	2	10	12	24	3	5	2	10	68
02/13/2020 00:15-00:30	5	8	9	22	4	11	1	16	1	6	6	13	2	5	1	8	59
02/13/2020 00:30-00:45	3	1	3	7	2	16	2	20	1	9	11	21	2	3	3	8	56
02/13/2020 00:45-01:00	2	6	2	10	4	9	2	15	1	8	4	13	2	4	1	7	45
02/13/2020 01:00-01:15	4	7	4	15	0	2	2	4	0	6	4	10	2	5	1	8	37
02/13/2020 01:15-01:30	4	3	3	10	0	3	0	3	0	0	2	2	2	1	0	3	18
02/13/2020 01:30-01:45	0	0	7	7	0	4	1	5	0	3	4	7	1	2	0	3	22
02/13/2020 01:45-02:00	0	3	2	5	0	0	1	1	0	5	4	9	2	2	0	4	19
02/13/2020 02:00-02:15	3	1	2	6	0	3	0	3	1	3	0	4	1	1	0	2	15
02/13/2020 02:15-02:30	2	2	6	10	0	2	0	2	1	5	2	8	1	2	1	4	24
02/13/2020 02:30-02:45	0	1	3	4	2	2	1	5	0	1	1	2	0	0	0	0	11
02/13/2020 02:45-03:00	3	3	0	6	0	1	2	3	0	2	0	2	1	3	0	4	15
02/13/2020 03:00-03:15	1	2	2	5	0	0	1	1	0	0	1	1	0	0	1	1	8
02/13/2020 03:15-03:30	0	3	0	3	1	2	0	3	0	6	1	7	2	4	0	6	19
02/13/2020 03:30-03:45	1	7	2	10	1	8	2	11	0	4	4	8	0	4	4	8	37
02/13/2020 03:45-04:00	4	3	1	8	1	0	2	3	1	1	4	6	2	9	1	12	29
02/13/2020 04:00-04:15	6	5	0	11	1	7	1	9	1	7	1	9	1	9	1	11	40
02/13/2020 04:15-04:30	2	5	8	15	2	5	1	8	0	5	6	11	3	8	5	16	50
02/13/2020 04:30-04:45	6	6	5	17	1	10	2	13	2	11	10	23	6	11	2	19	72
02/13/2020 04:45-05:00	6	18	14	38	0	10	7	17	0	10	11	21	8	20	2	30	106
02/13/2020 05:00-05:15	6	17	18	41	1	19	10	30	0	18	18	36	9	27	5	41	148
02/13/2020 05:15-05:30	6	35	15	56	1	5	3	9	5	17	18	40	10	23	8	41	146
02/13/2020 05:30-05:45	9	46	9	64	3	15	9	27	4	16	26	46	14	26	7	47	184
02/13/2020 05:45-06:00	13	39	38	90	6	23	11	40	5	29	24	58	13	29	12	54	242
02/13/2020 06:00-06:15	12	39	36	87	6	23	27	56	7	33	30	70	13	42	10	65	278
02/13/2020 06:15-06:30	14	78	53	145	7	33	21	61	10	35	39	84	12	42	16	70	360

Time	Freedom Bl SB				Freedom Bl NB				Green Valley Rd WB				Green Valley Rd EB				Int
	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	Total
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02/13/2020 06:45-07:00	19	162	56	237	9	55	33	97	18	78	37	133	17	70	13	100	567
02/13/2020 07:00-07:15	19	153	45	217	10	57	31	98	14	72	33	119	33	64	15	112	546
02/13/2020 07:15-07:30	29	152	58	239	16	74	42	132	13	70	62	145	34	94	16	144	660
02/13/2020 07:30-07:45	27	146	72	245	19	118	49	186	16	103	75	194	36	102	13	151	776
02/13/2020 07:45-08:00	48	128	102	278	28	117	54	199	13	120	99	232	47	123	11	181	890
02/13/2020 08:00-08:15	33	105	98	236	25	96	45	166	15	111	104	230	49	108	13	170	802
02/13/2020 08:15-08:30	29	106	65	200	18	89	44	151	20	144	82	246	41	110	11	162	759
02/13/2020 08:30-08:45	43	90	68	201	18	93	41	152	12	104	90	206	40	81	11	132	691
02/13/2020 08:45-09:00	43	93	79	215	16	81	28	125	12	73	89	174	49	86	4	139	653
02/13/2020 09:00-09:15	27	90	45	162	17	66	35	118	16	67	78	161	48	87	5	140	581
02/13/2020 09:15-09:30	22	91	44	157	22	68	35	125	16	75	76	167	31	89	19	139	588
02/13/2020 09:30-09:45	24	84	55	163	21	70	36	127	17	66	60	143	30	71	19	120	553
02/13/2020 09:45-10:00	27	66	52	145	22	82	44	148	19	64	76	159	34	79	9	122	574
02/13/2020 10:00-10:15	41	82	20	143	19	81	43	143	18	77	95	190	32	69	7	108	584
02/13/2020 10:15-10:30	32	85	54	171	14	80	46	140	18	106	75	199	32	68	22	122	632
02/13/2020 10:30-10:45	32	78	50	160	14	94	61	169	19	86	100	205	41	77	9	127	661
02/13/2020 10:45-11:00	33	86	55	174	21	76	41	138	20	86	82	188	43	83	11	137	637
02/13/2020 11:00-11:15	34	88	57	179	21	86	68	175	18	81	96	195	42	80	12	134	683
02/13/2020 11:15-11:30	35	101	23	159	22	91	60	173	18	77	86	181	35	76	24	135	648
02/13/2020 11:30-11:45	40	88	51	179	22	88	45	155	21	97	92	210	40	75	14	129	673
02/13/2020 11:45-12:00	48	116	72	236	23	103	42	168	14	81	118	213	37	71	22	130	747
02/13/2020 12:00-12:15	43	131	83	257	24	101	53	178	20	73	106	199	32	96	24	152	786
02/13/2020 12:15-12:30	43	111	65	219	21	131	59	211	20	75	111	206	54	88	28	170	806
02/13/2020 12:30-12:45	44	113	72	229	26	94	50	170	26	91	93	210	39	89	29	157	766
02/13/2020 12:45-13:00	42	101	78	221	17	93	42	152	16	91	103	210	38	92	25	155	738
02/13/2020 13:00-13:15	43	104	60	207	24	95	31	150	26	85	95	206	42	76	40	158	721
02/13/2020 13:15-13:30	52	109	64	225	25	87	33	145	23	94	91	208	39	82	36	157	735
02/13/2020 13:30-13:45	45	120	72	237	21	91	56	168	21	101	81	203	30	65	46	141	749

Time	Freedom BI SB				Freedom BI NB				Green Valley Rd WB				Green Valley Rd EB				Int
	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	Total
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02/13/2020 14:00-14:15	42	129	66	237	23	84	46	153	20	98	92	210	40	84	49	173	773
02/13/2020 14:15-14:30	33	103	72	208	20	106	37	163	23	110	92	225	48	126	58	232	828
02/13/2020 14:30-14:45	43	121	91	255	31	116	32	179	26	100	127	253	51	104	78	233	920
02/13/2020 14:45-15:00	42	117	108	267	24	111	30	165	21	115	125	261	30	91	100	221	914
02/13/2020 15:00-15:15	32	115	108	255	21	89	34	144	25	149	124	298	39	103	99	241	938
02/13/2020 15:15-15:30	34	106	123	263	31	104	29	164	18	128	116	262	41	130	85	256	945
02/13/2020 15:30-15:45	45	134	115	294	35	122	27	184	22	106	112	240	37	131	102	270	988
02/13/2020 15:45-16:00	41	119	122	282	36	107	25	168	28	128	129	285	49	109	119	277	1012
02/13/2020 16:00-16:15	32	154	137	323	31	132	19	182	27	107	98	232	43	116	158	317	1054
02/13/2020 16:15-16:30	39	139	115	293	52	135	21	208	32	111	114	257	56	151	89	296	1054
02/13/2020 16:30-16:45	40	143	157	340	48	140	31	219	21	129	127	277	49	135	79	263	1099
02/13/2020 16:45-17:00	35	97	141	273	24	164	18	206	36	143	99	278	60	151	35	246	1003
02/13/2020 17:00-17:15	37	117	118	272	18	129	42	189	37	148	105	290	51	108	15	174	925
02/13/2020 17:15-17:30	48	119	99	266	38	148	53	239	20	131	109	260	66	119	9	194	959
02/13/2020 17:30-17:45	46	104	75	225	20	129	62	211	20	129	127	276	47	123	16	186	898
02/13/2020 17:45-18:00	43	112	98	253	28	139	36	203	22	96	109	227	52	96	6	154	837
02/13/2020 18:00-18:15	28	115	91	234	20	123	56	199	22	121	132	275	41	87	7	135	843
02/13/2020 18:15-18:30	25	86	79	190	27	95	60	182	20	89	126	235	43	85	15	143	750
02/13/2020 18:30-18:45	24	99	95	218	26	110	45	181	19	99	145	263	28	62	19	109	771
02/13/2020 18:45-19:00	27	77	73	177	28	86	63	177	18	79	116	213	26	74	18	118	685
02/13/2020 19:00-19:15	31	65	60	156	21	80	52	153	16	86	112	214	25	67	17	109	632
02/13/2020 19:15-19:30	27	91	81	199	15	84	42	141	15	62	108	185	24	38	18	80	605
02/13/2020 19:30-19:45	23	64	67	154	15	77	45	137	15	64	61	140	22	52	7	81	512
02/13/2020 19:45-20:00	27	52	71	150	14	68	35	117	14	60	78	152	19	52	14	85	504
02/13/2020 20:00-20:15	28	56	41	125	15	67	36	118	17	58	75	150	22	47	11	80	473
02/13/2020 20:15-20:30	30	61	50	141	9	70	32	111	18	68	73	159	12	37	8	57	468
02/13/2020 20:30-20:45	26	46	45	117	19	61	21	101	16	64	93	173	22	39	9	70	461
02/13/2020 20:45-21:00	13	48	42	103	7	59	16	82	9	64	52	125	15	30	9	54	364

Time	Freedom Bl SB				Freedom Bl NB				Green Valley Rd WB				Green Valley Rd EB				Int
	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	Total
02/13/2020 21:00-21:15	16	49	76	141	10	41	30	81	12	74	75	161	14	36	7	57	440
02/13/2020 21:15-21:30	16	41	36	93	13	47	23	83	15	56	71	142	16	40	7	63	381
02/13/2020 21:30-21:45	23	42	46	111	12	39	17	68	7	46	52	105	14	24	2	40	324
02/13/2020 21:45-22:00	11	27	30	68	16	30	14	60	9	48	41	98	16	16	8	40	266
02/13/2020 22:00-22:15	15	36	38	89	8	40	14	62	10	59	35	104	7	30	6	43	298
02/13/2020 22:15-22:30	11	19	29	59	6	30	7	43	4	38	34	76	10	21	5	36	214
02/13/2020 22:30-22:45	15	22	15	52	4	30	8	42	6	24	29	59	11	10	7	28	181
02/13/2020 22:45-23:00	13	9	12	34	9	24	7	40	8	30	24	62	5	10	4	19	155
02/13/2020 23:00-23:15	8	10	14	32	1	18	8	27	7	31	21	59	5	12	1	18	136
02/13/2020 23:15-23:30	14	22	15	51	2	20	4	26	5	16	13	34	4	12	2	18	129
02/13/2020 23:30-23:45	7	7	4	18	2	10	7	19	2	15	14	31	6	12	8	26	94
02/13/2020 23:45-00:00	3	13	1	17	3	18	3	24	1	11	6	18	0	5	1	6	65
02/14/2020 00:00-00:15	3	8	0	11	4	10	4	18	2	11	8	21	4	9	1	14	64
02/14/2020 00:15-00:30	4	4	6	14	3	18	1	22	0	14	11	25	3	8	0	11	72
02/14/2020 00:30-00:45	6	10	4	20	2	6	3	11	1	12	13	26	4	9	4	17	74
02/14/2020 00:45-01:00	3	7	2	12	4	7	1	12	1	7	3	11	4	6	0	10	45
02/14/2020 01:00-01:15	4	1	6	11	1	1	3	5	0	6	8	14	3	1	2	6	36
02/14/2020 01:15-01:30	1	3	1	5	0	0	0	0	0	9	1	10	2	1	0	3	18
02/14/2020 01:30-01:45	3	3	2	8	0	1	2	3	0	2	6	8	2	5	1	8	27
02/14/2020 01:45-02:00	1	1	2	4	1	0	1	2	0	1	1	2	0	4	0	4	12
02/14/2020 02:00-02:15	2	3	3	8	0	2	1	3	1	6	2	9	2	2	0	4	24
02/14/2020 02:15-02:30	2	2	1	5	0	3	1	4	2	6	2	10	2	1	0	3	22
02/14/2020 02:30-02:45	0	2	1	3	2	1	3	6	0	3	3	6	0	0	1	1	16
02/14/2020 02:45-03:00	2	2	0	4	3	2	0	5	0	2	1	3	0	2	0	2	14
02/14/2020 03:00-03:15	1	1	0	2	1	2	0	3	0	0	0	0	0	2	1	3	8
02/14/2020 03:15-03:30	0	1	3	4	0	2	2	4	0	8	2	10	4	2	1	7	25
02/14/2020 03:30-03:45	4	8	4	16	0	2	1	3	0	3	2	5	2	5	2	9	33
02/14/2020 03:45-04:00	7	7	2	16	1	2	3	6	0	7	7	14	3	8	6	17	53
02/14/2020 04:00-04:15	2	4	0	6	0	1	1	2	1	6	6	13	3	8	3	14	35

Time	Freedom Bl SB				Freedom Bl NB				Green Valley Rd WB				Green Valley Rd EB				Int
	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	Total
02/14/2020 04:15-04:30	2	6	2	10	0	2	6	8	1	7	4	12	4	12	2	18	48
02/14/2020 04:30-04:45	6	10	10	26	1	9	2	12	1	13	13	27	4	6	5	15	80
02/14/2020 04:45-05:00	6	19	10	35	2	12	8	22	2	16	12	30	10	21	1	32	119
02/14/2020 05:00-05:15	8	14	12	34	1	8	7	16	3	11	14	28	8	19	7	34	112
02/14/2020 05:15-05:30	9	32	16	57	2	11	7	20	6	18	11	35	7	23	7	37	149
02/14/2020 05:30-05:45	8	49	17	74	1	25	19	45	5	24	30	59	11	30	7	48	226
02/14/2020 05:45-06:00	11	42	36	89	3	29	21	53	7	41	25	73	12	46	9	67	282
02/14/2020 06:00-06:15	15	50	35	100	6	19	18	43	9	19	19	47	10	32	5	47	237
02/14/2020 06:15-06:30	16	68	45	129	3	32	21	56	6	40	32	78	12	41	22	75	338
02/14/2020 06:30-06:45	17	100	71	188	6	43	23	72	8	56	36	100	17	42	13	72	432
02/14/2020 06:45-07:00	21	125	64	210	12	54	24	90	10	72	42	124	26	54	6	86	510
02/14/2020 07:00-07:15	25	129	53	207	12	57	27	96	17	75	38	130	26	67	14	107	540
02/14/2020 07:15-07:30	36	124	57	217	17	109	26	152	18	76	88	182	34	102	8	144	695
02/14/2020 07:30-07:45	31	149	69	249	27	123	46	196	14	106	87	207	30	113	5	148	800
02/14/2020 07:45-08:00	38	151	80	269	25	137	53	215	19	108	120	247	34	123	8	165	896
02/14/2020 08:00-08:15	40	119	95	254	25	131	47	203	16	97	112	225	38	121	12	171	853
02/14/2020 08:15-08:30	35	125	72	232	22	94	36	152	21	121	75	217	37	98	8	143	744
02/14/2020 08:30-08:45	33	125	93	251	26	126	54	206	21	101	101	223	37	85	8	130	810
02/14/2020 08:45-09:00	38	88	66	192	25	112	38	175	14	104	81	199	40	113	18	171	737
02/14/2020 09:00-09:15	38	91	68	197	17	93	45	155	18	89	84	191	55	89	11	155	698
02/14/2020 09:15-09:30	39	100	60	199	18	97	46	161	18	82	80	180	50	85	14	149	689
02/14/2020 09:30-09:45	23	96	56	175	22	83	38	143	25	90	96	211	54	79	13	146	675
02/14/2020 09:45-10:00	31	105	64	200	23	78	34	135	23	93	92	208	48	92	17	157	700
02/14/2020 10:00-10:15	40	81	49	170	12	76	34	122	25	65	93	183	49	85	14	148	623
02/14/2020 10:15-10:30	33	87	60	180	22	106	36	164	17	70	91	178	37	79	11	127	649
02/14/2020 10:30-10:45	41	104	58	203	18	89	60	167	21	85	95	201	38	88	6	132	703
02/14/2020 10:45-11:00	35	112	74	221	32	123	38	193	30	86	91	207	44	101	12	157	778
02/14/2020 11:00-11:15	40	123	69	232	23	115	52	190	23	101	75	199	35	90	16	141	762
02/14/2020 11:15-11:30	31	114	76	221	21	115	59	195	18	74	97	189	31	97	18	146	751

Time	Freedom Bl SB				Freedom Bl NB				Green Valley Rd WB				Green Valley Rd EB				Int
	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	Total
02/14/2020 11:30-11:45	39	134	68	241	32	135	67	234	23	100	135	258	35	95	22	152	885
02/14/2020 11:45-12:00	26	142	77	245	28	159	64	251	23	103	131	257	38	101	21	160	913
02/14/2020 12:00-12:15	39	127	68	234	25	148	58	231	16	93	112	221	33	110	22	165	851
02/14/2020 12:15-12:30	32	141	89	262	42	123	62	227	22	130	121	273	36	134	23	193	955
02/14/2020 12:30-12:45	40	126	58	224	25	120	67	212	19	94	102	215	35	129	26	190	841
02/14/2020 12:45-13:00	38	151	86	275	32	152	54	238	25	105	126	256	43	107	39	189	958
02/14/2020 13:00-13:15	50	134	72	256	30	102	68	200	27	87	121	235	53	120	35	208	899
02/14/2020 13:15-13:30	34	112	92	238	27	115	59	201	30	109	99	238	51	93	35	179	856
02/14/2020 13:30-13:45	38	145	77	260	26	109	51	186	25	123	87	235	29	76	39	144	825
02/14/2020 13:45-14:00	26	109	81	216	24	110	55	189	25	131	91	247	41	108	39	188	840
02/14/2020 14:00-14:15	38	133	75	246	31	130	57	218	19	80	100	199	40	118	64	222	885
02/14/2020 14:15-14:30	37	115	83	235	26	117	46	189	17	87	97	201	35	119	64	218	843
02/14/2020 14:30-14:45	44	110	69	223	28	103	39	170	27	132	119	278	39	89	73	201	872
02/14/2020 14:45-15:00	34	139	100	273	41	140	45	226	34	98	105	237	40	120	90	250	986
02/14/2020 15:00-15:15	46	143	123	312	28	125	41	194	30	135	120	285	40	102	104	246	1037
02/14/2020 15:15-15:30	30	141	107	278	28	135	38	201	20	123	124	267	35	135	99	269	1015
02/14/2020 15:30-15:45	32	125	117	274	53	154	37	244	22	148	129	299	24	141	114	279	1096
02/14/2020 15:45-16:00	28	174	121	323	53	151	30	234	12	124	108	244	38	150	112	300	1101
02/14/2020 16:00-16:15	25	184	146	355	60	164	40	264	20	132	105	257	29	139	142	310	1186
02/14/2020 16:15-16:30	41	184	155	380	67	151	35	253	24	130	118	272	41	156	123	320	1225
02/14/2020 16:30-16:45	49	213	165	427	63	170	34	267	17	131	177	325	42	135	114	291	1310
02/14/2020 16:45-17:00	32	206	172	410	50	168	33	251	22	151	134	307	35	153	63	251	1219
02/14/2020 17:00-17:15	42	156	151	349	40	98	83	221	33	124	102	259	31	165	18	214	1043
02/14/2020 17:15-17:30	29	158	100	287	38	158	85	281	28	128	145	301	24	141	9	174	1043
02/14/2020 17:30-17:45	36	121	94	251	40	137	86	263	20	130	105	255	31	141	12	184	953
02/14/2020 17:45-18:00	31	121	107	259	28	153	58	239	25	101	123	249	34	125	15	174	921
02/14/2020 18:00-18:15	42	119	85	246	32	119	50	201	20	123	129	272	40	93	8	141	860
02/14/2020 18:15-18:30	27	82	84	193	17	104	79	200	16	100	140	256	35	107	31	173	822
02/14/2020 18:30-18:45	31	90	109	230	16	118	56	190	13	81	142	236	35	65	11	111	767

Time	Freedom Bl SB				Freedom Bl NB				Green Valley Rd WB				Green Valley Rd EB				Int
	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	LEFT	THROUGH	RIGHT	Total	Total
02/14/2020 18:45-19:00	24	89	88	201	24	110	76	210	21	94	119	234	26	75	14	115	760
<b>Summary</b>	10353	31603	24145	66101	6069	29707	14243	50019	6444	30167	29776	66387	11405	28100	10367	49872	232379



# Turning Movement Volume Report

Freedom Blvd @ Crestview Dr

Intersection: 2                      Flex Group: [All]

Report Date: 06/21/2022

From            02/10/2020            to 02/14/2020  
                   07:00:00                    19:00:00

Time	Freedom Bl SB		Freedom Bl NB			Crestview Dr WB			Int
	THROUGH	Total	LEFT	THROUGH	Total	LEFT	RIGHT	Total	Total
02/10/2020 07:00-07:15	122	122	7	79	86	1	22	23	231
02/10/2020 07:15-07:30	127	127	12	96	108	4	26	30	265
02/10/2020 07:30-07:45	157	157	11	104	115	9	33	42	314
02/10/2020 07:45-08:00	182	182	58	221	279	11	49	60	521
02/10/2020 08:00-08:15	181	181	24	195	219	9	39	48	448
02/10/2020 08:15-08:30	152	152	20	185	205	8	51	59	416
02/10/2020 08:30-08:45	135	135	16	148	164	8	29	37	336
02/10/2020 08:45-09:00	173	173	19	135	154	13	60	73	400
02/10/2020 09:00-09:15	157	157	18	132	150	9	34	43	350
02/10/2020 09:15-09:30	153	153	19	132	151	8	28	36	340
02/10/2020 09:30-09:45	148	148	24	122	146	11	39	50	344
02/10/2020 09:45-10:00	160	160	21	152	173	13	37	50	383
02/10/2020 10:00-10:15	195	195	32	159	191	12	36	48	434
02/10/2020 10:15-10:30	178	178	24	149	173	12	25	37	388
02/10/2020 10:30-10:45	183	183	23	163	186	16	37	53	422
02/10/2020 10:45-11:00	171	171	20	169	189	11	32	43	403
02/10/2020 11:00-11:15	208	208	41	191	232	14	38	52	492
02/10/2020 11:15-11:30	194	194	33	187	220	6	38	44	458
02/10/2020 11:30-11:45	185	185	31	183	214	9	36	45	444
02/10/2020 11:45-12:00	222	222	26	182	208	18	36	54	484
02/10/2020 12:00-12:15	225	225	31	200	231	20	39	59	515
02/10/2020 12:15-12:30	252	252	35	203	238	9	40	49	539
02/10/2020 12:30-12:45	195	195	37	231	268	8	43	51	514
02/10/2020 12:45-13:00	206	206	55	167	222	16	34	50	478
02/10/2020 13:00-13:15	209	209	32	227	259	11	35	46	514
02/10/2020 13:15-13:30	222	222	36	196	232	14	40	54	508
02/10/2020 13:30-13:45	232	232	46	221	267	16	34	50	549
02/10/2020 13:45-14:00	169	169	44	222	266	12	40	52	487
02/10/2020 14:00-14:15	196	196	70	273	343	16	36	52	591
02/10/2020 14:15-14:30	220	220	32	202	234	10	42	52	506
02/10/2020 14:30-14:45	180	180	41	194	235	7	36	43	458

Time	Freedom BI SB		Freedom BI NB			Crestview Dr WB			Int
	THROUGH	Total	LEFT	THROUGH	Total	LEFT	RIGHT	Total	Total
02/10/2020 14:45-15:00	210	210	71	221	292	20	32	52	554
02/10/2020 15:00-15:15	227	227	54	199	253	15	46	61	541
02/10/2020 15:15-15:30	242	242	59	242	301	10	56	66	609
02/10/2020 15:30-15:45	195	195	59	259	318	18	56	74	587
02/10/2020 15:45-16:00	232	232	45	248	293	14	38	52	577
02/10/2020 16:00-16:15	220	220	45	209	254	18	53	71	545
02/10/2020 16:15-16:30	233	233	45	263	308	14	44	58	599
02/10/2020 16:30-16:45	192	192	41	233	274	22	69	91	557
02/10/2020 16:45-17:00	250	250	66	271	337	20	73	93	680
02/10/2020 17:00-17:15	257	257	35	265	300	41	91	132	689
02/10/2020 17:15-17:30	208	208	33	248	281	21	64	85	574
02/10/2020 17:30-17:45	209	209	40	231	271	8	52	60	540
02/10/2020 17:45-18:00	210	210	41	253	294	10	30	40	544
02/10/2020 18:00-18:15	137	137	46	260	306	13	40	53	496
02/10/2020 18:15-18:30	120	120	34	201	235	12	40	52	407
02/10/2020 18:30-18:45	100	100	30	208	238	8	37	45	383
02/10/2020 18:45-19:00	108	108	40	201	241	15	41	56	405
02/10/2020 19:00-19:15	115	115	30	155	185	8	28	36	336
02/10/2020 19:15-19:30	114	114	34	148	182	10	36	46	342
02/10/2020 19:30-19:45	86	86	30	135	165	8	22	30	281
02/10/2020 19:45-20:00	72	72	19	108	127	6	31	37	236
02/10/2020 20:00-20:15	85	85	22	102	124	2	22	24	233
02/10/2020 20:15-20:30	73	73	24	100	124	3	27	30	227
02/10/2020 20:30-20:45	70	70	21	97	118	9	28	37	225
02/10/2020 20:45-21:00	51	51	13	89	102	4	15	19	172
02/10/2020 21:00-21:15	41	41	10	67	77	7	18	25	143
02/10/2020 21:15-21:30	55	55	16	69	85	2	12	14	154
02/10/2020 21:30-21:45	31	31	9	58	67	2	11	13	111
02/10/2020 21:45-22:00	34	34	16	58	74	3	16	19	127
02/10/2020 22:00-22:15	31	31	14	62	76	6	23	29	136
02/10/2020 22:15-22:30	15	15	5	46	51	6	14	20	86
02/10/2020 22:30-22:45	15	15	5	40	45	5	10	15	75
02/10/2020 22:45-23:00	19	19	4	31	35	1	6	7	61
02/10/2020 23:00-23:15	16	16	1	34	35	2	5	7	58
02/10/2020 23:15-23:30	11	11	6	24	30	1	2	3	44
02/10/2020 23:30-23:45	4	4	2	18	20	0	5	5	29
02/10/2020 23:45-00:00	14	14	3	22	25	0	2	2	41
02/11/2020 00:00-00:15	6	6	2	13	15	1	2	3	24
02/11/2020 00:15-00:30	4	4	7	12	19	1	0	1	24

Time	Freedom BI SB		Freedom BI NB			Crestview Dr WB			Int
	THROUGH	Total	LEFT	THROUGH	Total	LEFT	RIGHT	Total	Total
02/11/2020 00:30-00:45	5	5	4	13	17	1	4	5	27
02/11/2020 00:45-01:00	5	5	3	8	11	0	1	1	17
02/11/2020 01:00-01:15	1	1	1	8	9	0	0	0	10
02/11/2020 01:15-01:30	5	5	1	4	5	0	1	1	11
02/11/2020 01:30-01:45	3	3	0	2	2	0	0	0	5
02/11/2020 01:45-02:00	2	2	0	3	3	0	0	0	5
02/11/2020 02:00-02:15	0	0	0	6	6	0	0	0	6
02/11/2020 02:15-02:30	0	0	0	4	4	0	2	2	6
02/11/2020 02:30-02:45	1	1	0	7	7	1	0	1	9
02/11/2020 02:45-03:00	2	2	0	3	3	0	0	0	5
02/11/2020 03:00-03:15	4	4	1	4	5	0	3	3	12
02/11/2020 03:15-03:30	4	4	1	4	5	0	0	0	9
02/11/2020 03:30-03:45	3	3	2	9	11	0	1	1	15
02/11/2020 03:45-04:00	5	5	3	7	10	0	6	6	21
02/11/2020 04:00-04:15	6	6	1	9	10	0	2	2	18
02/11/2020 04:15-04:30	4	4	0	11	11	0	2	2	17
02/11/2020 04:30-04:45	4	4	1	22	23	1	9	10	37
02/11/2020 04:45-05:00	13	13	2	37	39	0	8	8	60
02/11/2020 05:00-05:15	12	12	5	30	35	1	8	9	56
02/11/2020 05:15-05:30	18	18	3	39	42	0	10	10	70
02/11/2020 05:30-05:45	28	28	2	59	61	1	12	13	102
02/11/2020 05:45-06:00	40	40	7	61	68	2	14	16	124
02/11/2020 06:00-06:15	40	40	4	72	76	2	20	22	138
02/11/2020 06:15-06:30	38	38	5	74	79	5	27	32	149
02/11/2020 06:30-06:45	68	68	2	95	97	2	29	31	196
02/11/2020 06:45-07:00	156	156	15	93	108	6	31	37	301
02/11/2020 07:00-07:15	153	153	9	114	123	3	35	38	314
02/11/2020 07:15-07:30	185	185	18	146	164	10	34	44	393
02/11/2020 07:30-07:45	214	214	23	210	233	17	73	90	537
02/11/2020 07:45-08:00	277	277	54	299	353	22	99	121	751
02/11/2020 08:00-08:15	252	252	46	289	335	14	76	90	677
02/11/2020 08:15-08:30	218	218	32	265	297	17	58	75	590
02/11/2020 08:30-08:45	238	238	31	198	229	12	41	53	520
02/11/2020 08:45-09:00	202	202	54	164	218	14	39	53	473
02/11/2020 09:00-09:15	169	169	30	149	179	11	29	40	388
02/11/2020 09:15-09:30	171	171	27	121	148	12	32	44	363
02/11/2020 09:30-09:45	165	165	26	155	181	12	37	49	395
02/11/2020 09:45-10:00	162	162	19	143	162	15	29	44	368
02/11/2020 10:00-10:15	160	160	28	143	171	6	38	44	375

Time	Freedom BI SB		Freedom BI NB			Crestview Dr WB			Int
	THROUGH	Total	LEFT	THROUGH	Total	LEFT	RIGHT	Total	Total
02/11/2020 10:15-10:30	192	192	32	140	172	10	26	36	400
02/11/2020 10:30-10:45	176	176	27	139	166	11	35	46	388
02/11/2020 10:45-11:00	173	173	31	144	175	17	49	66	414
02/11/2020 11:00-11:15	193	193	26	189	215	14	37	51	459
02/11/2020 11:15-11:30	193	193	31	181	212	9	25	34	439
02/11/2020 11:30-11:45	211	211	25	187	212	19	37	56	479
02/11/2020 11:45-12:00	196	196	31	199	230	21	41	62	488
02/11/2020 12:00-12:15	237	237	28	193	221	15	40	55	513
02/11/2020 12:15-12:30	185	185	32	203	235	14	28	42	462
02/11/2020 12:30-12:45	217	217	31	180	211	14	37	51	479
02/11/2020 12:45-13:00	219	219	36	184	220	12	43	55	494
02/11/2020 13:00-13:15	195	195	52	191	243	11	42	53	491
02/11/2020 13:15-13:30	210	210	52	192	244	17	36	53	507
02/11/2020 13:30-13:45	156	156	50	210	260	11	35	46	462
02/11/2020 13:45-14:00	191	191	61	207	268	34	37	71	530
02/11/2020 14:00-14:15	162	162	62	224	286	10	34	44	492
02/11/2020 14:15-14:30	237	237	69	247	316	20	41	61	614
02/11/2020 14:30-14:45	225	225	71	221	292	11	49	60	577
02/11/2020 14:45-15:00	207	207	59	230	289	18	44	62	558
02/11/2020 15:00-15:15	223	223	60	258	318	12	57	69	610
02/11/2020 15:15-15:30	264	264	69	237	306	11	49	60	630
02/11/2020 15:30-15:45	254	254	72	206	278	14	53	67	599
02/11/2020 15:45-16:00	246	246	67	215	282	11	52	63	591
02/11/2020 16:00-16:15	296	296	54	231	285	11	51	62	643
02/11/2020 16:15-16:30	269	269	54	278	332	7	50	57	658
02/11/2020 16:30-16:45	216	216	48	248	296	15	76	91	603
02/11/2020 16:45-17:00	239	239	46	294	340	17	68	85	664
02/11/2020 17:00-17:15	296	296	50	272	322	57	105	162	780
02/11/2020 17:15-17:30	255	255	42	292	334	21	57	78	667
02/11/2020 17:30-17:45	224	224	47	236	283	9	37	46	553
02/11/2020 17:45-18:00	236	236	41	258	299	12	37	49	584
02/11/2020 18:00-18:15	143	143	39	250	289	10	50	60	492
02/11/2020 18:15-18:30	138	138	43	230	273	9	46	55	466
02/11/2020 18:30-18:45	125	125	38	232	270	8	42	50	445
02/11/2020 18:45-19:00	106	106	23	186	209	7	33	40	355
02/11/2020 19:00-19:15	112	112	28	190	218	4	39	43	373
02/11/2020 19:15-19:30	103	103	34	146	180	9	47	56	339
02/11/2020 19:30-19:45	87	87	14	131	145	2	21	23	255
02/11/2020 19:45-20:00	82	82	29	113	142	7	32	39	263

Time	Freedom BI SB		Freedom BI NB			Crestview Dr WB			Int
	THROUGH	Total	LEFT	THROUGH	Total	LEFT	RIGHT	Total	Total
02/11/2020 20:00-20:15	88	88	18	101	119	5	18	23	230
02/11/2020 20:15-20:30	68	68	25	101	126	6	26	32	226
02/11/2020 20:30-20:45	58	58	21	119	140	3	16	19	217
02/11/2020 20:45-21:00	60	60	14	97	111	0	21	21	192
02/11/2020 21:00-21:15	74	74	21	95	116	6	18	24	214
02/11/2020 21:15-21:30	55	55	15	61	76	3	17	20	151
02/11/2020 21:30-21:45	32	32	14	64	78	1	21	22	132
02/11/2020 21:45-22:00	32	32	6	58	64	1	5	6	102
02/11/2020 22:00-22:15	23	23	14	64	78	4	7	11	112
02/11/2020 22:15-22:30	22	22	5	43	48	0	7	7	77
02/11/2020 22:30-22:45	16	16	7	35	42	1	6	7	65
02/11/2020 22:45-23:00	15	15	5	23	28	3	2	5	48
02/11/2020 23:00-23:15	18	18	10	26	36	1	4	5	59
02/11/2020 23:15-23:30	6	6	2	17	19	0	5	5	30
02/11/2020 23:30-23:45	13	13	6	18	24	1	5	6	43
02/11/2020 23:45-00:00	6	6	3	18	21	0	0	0	27
02/12/2020 00:00-00:15	8	8	3	14	17	1	1	2	27
02/12/2020 00:15-00:30	6	6	2	13	15	1	0	1	22
02/12/2020 00:30-00:45	3	3	2	12	14	0	0	0	17
02/12/2020 00:45-01:00	3	3	3	12	15	0	3	3	21
02/12/2020 01:00-01:15	4	4	1	9	10	1	2	3	17
02/12/2020 01:15-01:30	3	3	1	5	6	0	1	1	10
02/12/2020 01:30-01:45	4	4	2	4	6	0	0	0	10
02/12/2020 01:45-02:00	3	3	0	5	5	0	0	0	8
02/12/2020 02:00-02:15	2	2	0	7	7	0	3	3	12
02/12/2020 02:15-02:30	2	2	0	4	4	0	2	2	8
02/12/2020 02:30-02:45	5	5	0	4	4	0	1	1	10
02/12/2020 02:45-03:00	1	1	0	5	5	0	1	1	7
02/12/2020 03:00-03:15	1	1	0	2	2	0	3	3	6
02/12/2020 03:15-03:30	3	3	0	5	5	0	0	0	8
02/12/2020 03:30-03:45	4	4	1	3	4	0	2	2	10
02/12/2020 03:45-04:00	5	5	3	9	12	1	2	3	20
02/12/2020 04:00-04:15	9	9	2	9	11	1	3	4	24
02/12/2020 04:15-04:30	5	5	0	14	14	0	3	3	22
02/12/2020 04:30-04:45	6	6	0	24	24	2	8	10	40
02/12/2020 04:45-05:00	18	18	3	37	40	0	14	14	72
02/12/2020 05:00-05:15	6	6	2	34	36	1	8	9	51
02/12/2020 05:15-05:30	21	21	1	41	42	1	15	16	79
02/12/2020 05:30-05:45	22	22	4	49	53	1	12	13	88

Time	Freedom BI SB		Freedom BI NB			Crestview Dr WB			Int
	THROUGH	Total	LEFT	THROUGH	Total	LEFT	RIGHT	Total	Total
02/12/2020 05:45-06:00	29	29	4	59	63	4	10	14	106
02/12/2020 06:00-06:15	37	37	8	70	78	4	19	23	138
02/12/2020 06:15-06:30	55	55	7	79	86	6	31	37	178
02/12/2020 06:30-06:45	72	72	7	97	104	3	24	27	203
02/12/2020 06:45-07:00	171	171	14	89	103	8	38	46	320
02/12/2020 07:00-07:15	205	205	10	117	127	21	35	56	388
02/12/2020 07:15-07:30	192	192	13	164	177	7	37	44	413
02/12/2020 07:30-07:45	248	248	38	190	228	19	66	85	561
02/12/2020 07:45-08:00	259	259	60	315	375	11	76	87	721
02/12/2020 08:00-08:15	256	256	43	264	307	11	70	81	644
02/12/2020 08:15-08:30	229	229	35	223	258	13	39	52	539
02/12/2020 08:30-08:45	187	187	29	183	212	8	45	53	452
02/12/2020 08:45-09:00	172	172	27	153	180	13	40	53	405
02/12/2020 09:00-09:15	148	148	35	148	183	15	35	50	381
02/12/2020 09:15-09:30	156	156	30	133	163	9	34	43	362
02/12/2020 09:30-09:45	156	156	27	143	170	13	37	50	376
02/12/2020 09:45-10:00	156	156	27	146	173	30	51	81	410
02/12/2020 10:00-10:15	153	153	28	148	176	10	39	49	378
02/12/2020 10:15-10:30	186	186	19	147	166	9	34	43	395
02/12/2020 10:30-10:45	170	170	39	151	190	9	32	41	401
02/12/2020 10:45-11:00	197	197	26	158	184	12	41	53	434
02/12/2020 11:00-11:15	191	191	41	162	203	22	26	48	442
02/12/2020 11:15-11:30	183	183	34	152	186	14	47	61	430
02/12/2020 11:30-11:45	224	224	34	193	227	11	41	52	503
02/12/2020 11:45-12:00	228	228	27	198	225	16	42	58	511
02/12/2020 12:00-12:15	216	216	35	223	258	17	39	56	530
02/12/2020 12:15-12:30	214	214	39	218	257	10	39	49	520
02/12/2020 12:30-12:45	239	239	35	200	235	12	45	57	531
02/12/2020 12:45-13:00	245	245	45	229	274	13	62	75	594
02/12/2020 13:00-13:15	209	209	53	241	294	19	47	66	569
02/12/2020 13:15-13:30	224	224	32	217	249	9	48	57	530
02/12/2020 13:30-13:45	224	224	60	229	289	5	42	47	560
02/12/2020 13:45-14:00	216	216	79	266	345	19	42	61	622
02/12/2020 14:00-14:15	210	210	73	204	277	17	53	70	557
02/12/2020 14:15-14:30	219	219	66	227	293	12	53	65	577
02/12/2020 14:30-14:45	189	189	54	192	246	12	31	43	478
02/12/2020 14:45-15:00	221	221	51	251	302	11	39	50	573
02/12/2020 15:00-15:15	228	228	53	213	266	9	45	54	548
02/12/2020 15:15-15:30	208	208	52	203	255	6	41	47	510

Time	Freedom BI SB		Freedom BI NB			Crestview Dr WB			Int
	THROUGH	Total	LEFT	THROUGH	Total	LEFT	RIGHT	Total	Total
02/12/2020 15:30-15:45	212	212	44	210	254	12	52	64	530
02/12/2020 15:45-16:00	232	232	43	217	260	20	43	63	555
02/12/2020 16:00-16:15	219	219	47	250	297	9	42	51	567
02/12/2020 16:15-16:30	235	235	44	250	294	11	38	49	578
02/12/2020 16:30-16:45	231	231	43	223	266	16	60	76	573
02/12/2020 16:45-17:00	279	279	54	271	325	19	47	66	670
02/12/2020 17:00-17:15	242	242	39	292	331	17	51	68	641
02/12/2020 17:15-17:30	221	221	54	267	321	8	51	59	601
02/12/2020 17:30-17:45	231	231	38	257	295	16	45	61	587
02/12/2020 17:45-18:00	222	222	51	259	310	14	45	59	591
02/12/2020 18:00-18:15	148	148	59	253	312	12	52	64	524
02/12/2020 18:15-18:30	155	155	43	257	300	11	49	60	515
02/12/2020 18:30-18:45	114	114	40	189	229	14	50	64	407
02/12/2020 18:45-19:00	116	116	35	222	257	11	39	50	423
02/12/2020 19:00-19:15	111	111	33	182	215	5	38	43	369
02/12/2020 19:15-19:30	111	111	25	187	212	12	40	52	375
02/12/2020 19:30-19:45	90	90	19	157	176	5	25	30	296
02/12/2020 19:45-20:00	84	84	25	127	152	8	25	33	269
02/12/2020 20:00-20:15	86	86	19	153	172	5	26	31	289
02/12/2020 20:15-20:30	94	94	27	98	125	5	20	25	244
02/12/2020 20:30-20:45	62	62	18	102	120	7	22	29	211
02/12/2020 20:45-21:00	89	89	25	79	104	2	18	20	213
02/12/2020 21:00-21:15	49	49	17	100	117	3	22	25	191
02/12/2020 21:15-21:30	42	42	15	81	96	2	14	16	154
02/12/2020 21:30-21:45	50	50	10	63	73	1	21	22	145
02/12/2020 21:45-22:00	31	31	19	71	90	1	15	16	137
02/12/2020 22:00-22:15	31	31	5	67	72	5	6	11	114
02/12/2020 22:15-22:30	32	32	9	45	54	1	11	12	98
02/12/2020 22:30-22:45	13	13	1	54	55	0	7	7	75
02/12/2020 22:45-23:00	4	4	7	26	33	4	6	10	47
02/12/2020 23:00-23:15	13	13	7	31	38	1	8	9	60
02/12/2020 23:15-23:30	10	10	4	23	27	4	4	8	45
02/12/2020 23:30-23:45	17	17	6	15	21	1	3	4	42
02/12/2020 23:45-00:00	14	14	5	17	22	0	3	3	39
02/13/2020 00:00-00:15	8	8	3	21	24	0	0	0	32
02/13/2020 00:15-00:30	3	3	2	13	15	0	2	2	20
02/13/2020 00:30-00:45	2	2	1	14	15	0	3	3	20
02/13/2020 00:45-01:00	4	4	0	11	11	0	4	4	19
02/13/2020 01:00-01:15	6	6	3	8	11	1	2	3	20

Time	Freedom BI SB		Freedom BI NB			Crestview Dr WB			Int
	THROUGH	Total	LEFT	THROUGH	Total	LEFT	RIGHT	Total	Total
02/13/2020 01:15-01:30	1	1	1	9	10	0	2	2	13
02/13/2020 01:30-01:45	6	6	2	5	7	0	1	1	14
02/13/2020 01:45-02:00	3	3	0	6	6	1	0	1	10
02/13/2020 02:00-02:15	6	6	0	4	4	0	0	0	10
02/13/2020 02:15-02:30	6	6	3	5	8	0	4	4	18
02/13/2020 02:30-02:45	3	3	1	5	6	1	1	2	11
02/13/2020 02:45-03:00	2	2	1	5	6	0	0	0	8
02/13/2020 03:00-03:15	3	3	0	1	1	0	2	2	6
02/13/2020 03:15-03:30	0	0	0	4	4	0	2	2	6
02/13/2020 03:30-03:45	6	6	3	4	7	1	4	5	18
02/13/2020 03:45-04:00	2	2	0	8	8	1	3	4	14
02/13/2020 04:00-04:15	6	6	1	15	16	0	3	3	25
02/13/2020 04:15-04:30	1	1	0	10	10	0	4	4	15
02/13/2020 04:30-04:45	6	6	2	24	26	0	7	7	39
02/13/2020 04:45-05:00	9	9	2	42	44	2	15	17	70
02/13/2020 05:00-05:15	17	17	2	47	49	2	5	7	73
02/13/2020 05:15-05:30	11	11	0	42	42	1	12	13	66
02/13/2020 05:30-05:45	20	20	0	51	51	1	11	12	83
02/13/2020 05:45-06:00	36	36	4	65	69	2	13	15	120
02/13/2020 06:00-06:15	29	29	4	66	70	7	18	25	124
02/13/2020 06:15-06:30	44	44	5	78	83	5	19	24	151
02/13/2020 06:30-06:45	77	77	11	81	92	5	27	32	201
02/13/2020 06:45-07:00	136	136	9	98	107	5	26	31	274
02/13/2020 07:00-07:15	162	162	11	97	108	4	40	44	314
02/13/2020 07:15-07:30	171	171	14	158	172	9	32	41	384
02/13/2020 07:30-07:45	205	205	11	199	210	8	48	56	471
02/13/2020 07:45-08:00	299	299	28	215	243	13	55	68	610
02/13/2020 08:00-08:15	264	264	27	218	245	8	49	57	566
02/13/2020 08:15-08:30	191	191	36	185	221	7	41	48	460
02/13/2020 08:30-08:45	158	158	17	147	164	11	28	39	361
02/13/2020 08:45-09:00	173	173	21	144	165	10	51	61	399
02/13/2020 09:00-09:15	151	151	33	157	190	13	36	49	390
02/13/2020 09:15-09:30	149	149	17	163	180	11	30	41	370
02/13/2020 09:30-09:45	147	147	15	125	140	12	25	37	324
02/13/2020 09:45-10:00	166	166	26	121	147	9	23	32	345
02/13/2020 10:00-10:15	154	154	33	131	164	11	28	39	357
02/13/2020 10:15-10:30	145	145	19	145	164	4	38	42	351
02/13/2020 10:30-10:45	159	159	22	165	187	9	38	47	393
02/13/2020 10:45-11:00	183	183	32	170	202	9	30	39	424



Time	Freedom BI SB		Freedom BI NB			Crestview Dr WB			Int
	THROUGH	Total	LEFT	THROUGH	Total	LEFT	RIGHT	Total	Total
02/13/2020 11:00-11:15	200	200	28	171	199	10	39	49	448
02/13/2020 11:15-11:30	184	184	27	172	199	11	44	55	438
02/13/2020 11:30-11:45	196	196	35	161	196	16	42	58	450
02/13/2020 11:45-12:00	220	220	33	170	203	16	43	59	482
02/13/2020 12:00-12:15	220	220	37	210	247	11	42	53	520
02/13/2020 12:15-12:30	198	198	40	189	229	10	43	53	480
02/13/2020 12:30-12:45	224	224	32	181	213	10	52	62	499
02/13/2020 12:45-13:00	222	222	47	211	258	22	37	59	539
02/13/2020 13:00-13:15	200	200	45	221	266	15	33	48	514
02/13/2020 13:15-13:30	235	235	44	201	245	10	44	54	534
02/13/2020 13:30-13:45	192	192	42	206	248	14	44	58	498
02/13/2020 13:45-14:00	190	190	50	172	222	13	45	58	470
02/13/2020 14:00-14:15	194	194	61	219	280	22	51	73	547
02/13/2020 14:15-14:30	230	230	67	237	304	16	51	67	601
02/13/2020 14:30-14:45	227	227	37	209	246	13	44	57	530
02/13/2020 14:45-15:00	223	223	54	215	269	18	41	59	551
02/13/2020 15:00-15:15	238	238	53	265	318	10	45	55	611
02/13/2020 15:15-15:30	283	283	57	235	292	14	57	71	646
02/13/2020 15:30-15:45	221	221	57	221	278	17	70	87	586
02/13/2020 15:45-16:00	219	219	53	229	282	15	67	82	583
02/13/2020 16:00-16:15	248	248	45	227	272	13	43	56	576
02/13/2020 16:15-16:30	247	247	43	253	296	13	55	68	611
02/13/2020 16:30-16:45	245	245	61	261	322	22	78	100	667
02/13/2020 16:45-17:00	220	220	46	266	312	15	62	77	609
02/13/2020 17:00-17:15	286	286	45	283	328	26	75	101	715
02/13/2020 17:15-17:30	260	260	49	267	316	16	68	84	660
02/13/2020 17:30-17:45	229	229	55	260	315	16	55	71	615
02/13/2020 17:45-18:00	222	222	55	294	349	17	50	67	638
02/13/2020 18:00-18:15	174	174	36	241	277	12	68	80	531
02/13/2020 18:15-18:30	149	149	44	260	304	15	48	63	516
02/13/2020 18:30-18:45	128	128	31	249	280	14	43	57	465
02/13/2020 18:45-19:00	106	106	32	208	240	10	30	40	386
02/13/2020 19:00-19:15	106	106	38	219	257	6	29	35	398
02/13/2020 19:15-19:30	111	111	39	174	213	9	47	56	380
02/13/2020 19:30-19:45	96	96	26	163	189	4	44	48	333
02/13/2020 19:45-20:00	75	75	38	137	175	6	24	30	280
02/13/2020 20:00-20:15	108	108	19	131	150	9	23	32	290
02/13/2020 20:15-20:30	96	96	24	140	164	7	29	36	296
02/13/2020 20:30-20:45	60	60	25	125	150	2	28	30	240

Time	Freedom BI SB		Freedom BI NB			Crestview Dr WB			Int
	THROUGH	Total	LEFT	THROUGH	Total	LEFT	RIGHT	Total	Total
02/13/2020 20:45-21:00	68	68	12	104	116	8	16	24	208
02/13/2020 21:00-21:15	69	69	18	107	125	4	17	21	215
02/13/2020 21:15-21:30	50	50	13	95	108	8	13	21	179
02/13/2020 21:30-21:45	50	50	16	84	100	4	18	22	172
02/13/2020 21:45-22:00	25	25	12	54	66	2	13	15	106
02/13/2020 22:00-22:15	33	33	10	83	93	5	10	15	141
02/13/2020 22:15-22:30	22	22	10	56	66	2	11	13	101
02/13/2020 22:30-22:45	25	25	12	55	67	1	12	13	105
02/13/2020 22:45-23:00	12	12	4	32	36	6	5	11	59
02/13/2020 23:00-23:15	23	23	6	34	40	2	7	9	72
02/13/2020 23:15-23:30	17	17	7	23	30	1	3	4	51
02/13/2020 23:30-23:45	7	7	0	26	26	0	4	4	37
02/13/2020 23:45-00:00	10	10	2	21	23	1	2	3	36
02/14/2020 00:00-00:15	9	9	2	20	22	0	2	2	33
02/14/2020 00:15-00:30	5	5	4	14	18	1	2	3	26
02/14/2020 00:30-00:45	7	7	4	18	22	1	3	4	33
02/14/2020 00:45-01:00	6	6	0	12	12	0	2	2	20
02/14/2020 01:00-01:15	3	3	2	14	16	1	2	3	22
02/14/2020 01:15-01:30	8	8	4	13	17	0	0	0	25
02/14/2020 01:30-01:45	4	4	0	7	7	0	0	0	11
02/14/2020 01:45-02:00	0	0	0	2	2	0	0	0	2
02/14/2020 02:00-02:15	2	2	0	8	8	0	0	0	10
02/14/2020 02:15-02:30	6	6	0	2	2	0	2	2	10
02/14/2020 02:30-02:45	0	0	2	5	7	0	1	1	8
02/14/2020 02:45-03:00	4	4	1	4	5	0	0	0	9
02/14/2020 03:00-03:15	2	2	0	2	2	0	1	1	5
02/14/2020 03:15-03:30	1	1	2	9	11	0	1	1	13
02/14/2020 03:30-03:45	7	7	1	5	6	1	2	3	16
02/14/2020 03:45-04:00	1	1	0	8	8	0	3	3	12
02/14/2020 04:00-04:15	3	3	3	11	14	2	2	4	21
02/14/2020 04:15-04:30	3	3	0	13	13	0	4	4	20
02/14/2020 04:30-04:45	11	11	2	25	27	1	7	8	46
02/14/2020 04:45-05:00	10	10	1	37	38	2	9	11	59
02/14/2020 05:00-05:15	12	12	0	37	37	1	5	6	55
02/14/2020 05:15-05:30	23	23	6	35	41	1	17	18	82
02/14/2020 05:30-05:45	19	19	3	52	55	2	6	8	82
02/14/2020 05:45-06:00	27	27	8	51	59	2	6	8	94
02/14/2020 06:00-06:15	38	38	7	61	68	4	23	27	133
02/14/2020 06:15-06:30	44	44	6	72	78	5	23	28	150

Time	Freedom BI SB		Freedom BI NB			Crestview Dr WB			Int
	THROUGH	Total	LEFT	THROUGH	Total	LEFT	RIGHT	Total	Total
02/14/2020 06:30-06:45	69	69	9	99	108	2	21	23	200
02/14/2020 06:45-07:00	127	127	7	91	98	9	24	33	258
02/14/2020 07:00-07:15	149	149	8	104	112	3	37	40	301
02/14/2020 07:15-07:30	162	162	21	159	180	4	38	42	384
02/14/2020 07:30-07:45	231	231	21	230	251	16	45	61	543
02/14/2020 07:45-08:00	275	275	36	223	259	12	68	80	614
02/14/2020 08:00-08:15	236	236	26	207	233	8	64	72	541
02/14/2020 08:15-08:30	205	205	22	178	200	11	40	51	456
02/14/2020 08:30-08:45	189	189	32	168	200	8	30	38	427
02/14/2020 08:45-09:00	153	153	32	172	204	12	41	53	410
02/14/2020 09:00-09:15	191	191	36	156	192	12	43	55	438
02/14/2020 09:15-09:30	180	180	23	167	190	8	27	35	405
02/14/2020 09:30-09:45	181	181	28	181	209	9	27	36	426
02/14/2020 09:45-10:00	161	161	36	167	203	14	45	59	423
02/14/2020 10:00-10:15	177	177	30	165	195	9	40	49	421
02/14/2020 10:15-10:30	198	198	30	164	194	13	42	55	447
02/14/2020 10:30-10:45	188	188	30	212	242	15	38	53	483
02/14/2020 10:45-11:00	219	219	35	191	226	19	50	69	514
02/14/2020 11:00-11:15	221	221	22	176	198	5	53	58	477
02/14/2020 11:15-11:30	198	198	31	205	236	11	35	46	480
02/14/2020 11:30-11:45	221	221	40	224	264	13	46	59	544
02/14/2020 11:45-12:00	235	235	35	197	232	14	35	49	516
02/14/2020 12:00-12:15	221	221	24	221	245	9	50	59	525
02/14/2020 12:15-12:30	217	217	35	236	271	20	45	65	553
02/14/2020 12:30-12:45	274	274	48	224	272	10	58	68	614
02/14/2020 12:45-13:00	257	257	42	214	256	15	45	60	573
02/14/2020 13:00-13:15	247	247	54	257	311	18	54	72	630
02/14/2020 13:15-13:30	260	260	37	239	276	16	43	59	595
02/14/2020 13:30-13:45	229	229	59	218	277	10	43	53	559
02/14/2020 13:45-14:00	211	211	60	275	335	18	50	68	614
02/14/2020 14:00-14:15	225	225	75	236	311	7	52	59	595
02/14/2020 14:15-14:30	211	211	86	270	356	15	53	68	635
02/14/2020 14:30-14:45	214	214	62	261	323	9	48	57	594
02/14/2020 14:45-15:00	243	243	49	254	303	12	56	68	614
02/14/2020 15:00-15:15	257	257	57	246	303	17	37	54	614
02/14/2020 15:15-15:30	248	248	53	249	302	21	62	83	633
02/14/2020 15:30-15:45	266	266	54	220	274	9	65	74	614
02/14/2020 15:45-16:00	239	239	67	253	320	12	54	66	625
02/14/2020 16:00-16:15	282	282	54	217	271	21	58	79	632

Time	Freedom Bl SB		Freedom Bl NB			Crestview Dr WB			Int
	THROUGH	Total	LEFT	THROUGH	Total	LEFT	RIGHT	Total	Total
02/14/2020 16:15-16:30	263	263	51	224	275	12	61	73	611
02/14/2020 16:30-16:45	245	245	53	224	277	12	60	72	594
02/14/2020 16:45-17:00	274	274	54	245	299	16	91	107	680
02/14/2020 17:00-17:15	282	282	40	210	250	27	100	127	659
02/14/2020 17:15-17:30	272	272	56	211	267	22	68	90	629
02/14/2020 17:30-17:45	255	255	49	226	275	21	69	90	620
02/14/2020 17:45-18:00	255	255	47	266	313	15	59	74	642
02/14/2020 18:00-18:15	190	190	51	247	298	18	46	64	552
02/14/2020 18:15-18:30	143	143	40	287	327	8	62	70	540
02/14/2020 18:30-18:45	166	166	48	295	343	12	69	81	590
02/14/2020 18:45-19:00	149	149	42	207	249	13	55	68	466
<b>Summary</b>	<b>54904</b>	<b>54904</b>	<b>11003</b>	<b>58929</b>	<b>69932</b>	<b>3619</b>	<b>13115</b>	<b>16734</b>	<b>141570</b>

# Turning Movement Volume Report

Freedom Blvd @ Alta Vista Ave

Intersection: 3 Flex Group: [All]

Report Date: 06/21/2022

From 02/10/2020 07:00:00 to 02/14/2020 19:00:00

Time	Freedom Bl SB			Freedom Bl NB		Alta Vista Av EB			Int
	LEFT	THROUGH	Total	THROUGH	Total	LEFT	RIGHT	Total	Total
02/10/2020 07:00-07:15	10	126	136	88	88	12	23	35	259
02/10/2020 07:15-07:30	13	128	141	114	114	19	40	59	314
02/10/2020 07:30-07:45	40	179	219	166	166	13	61	74	459
02/10/2020 07:45-08:00	49	223	272	238	238	22	92	114	624
02/10/2020 08:00-08:15	26	198	224	178	178	15	65	80	482
02/10/2020 08:15-08:30	18	168	186	155	155	18	76	94	435
02/10/2020 08:30-08:45	13	128	141	130	130	20	54	74	345
02/10/2020 08:45-09:00	11	176	187	146	146	18	59	77	410
02/10/2020 09:00-09:15	17	153	170	149	149	27	52	79	398
02/10/2020 09:15-09:30	19	133	152	142	142	23	49	72	366
02/10/2020 09:30-09:45	18	151	169	140	140	28	59	87	396
02/10/2020 09:45-10:00	14	168	182	184	184	28	53	81	447
02/10/2020 10:00-10:15	21	184	205	189	189	30	76	106	500
02/10/2020 10:15-10:30	17	160	177	154	154	44	64	108	439
02/10/2020 10:30-10:45	21	190	211	217	217	30	70	100	528
02/10/2020 10:45-11:00	17	154	171	179	179	33	64	97	447
02/10/2020 11:00-11:15	19	192	211	209	209	38	65	103	523
02/10/2020 11:15-11:30	17	184	201	215	215	35	67	102	518
02/10/2020 11:30-11:45	18	191	209	216	216	41	65	106	531
02/10/2020 11:45-12:00	15	232	247	203	203	40	40	80	530
02/10/2020 12:00-12:15	21	226	247	239	239	31	53	84	570
02/10/2020 12:15-12:30	29	239	268	223	223	39	42	81	572
02/10/2020 12:30-12:45	25	194	219	242	242	43	50	93	554
02/10/2020 12:45-13:00	21	196	217	215	215	45	41	86	518
02/10/2020 13:00-13:15	23	197	220	235	235	48	78	126	581
02/10/2020 13:15-13:30	30	217	247	184	184	47	67	114	545
02/10/2020 13:30-13:45	24	205	229	209	209	56	66	122	560
02/10/2020 13:45-14:00	21	188	209	208	208	53	78	131	548
02/10/2020 14:00-14:15	27	192	219	227	227	50	67	117	563
02/10/2020 14:15-14:30	24	201	225	181	181	41	52	93	499
02/10/2020 14:30-14:45	21	180	201	224	224	39	55	94	519
02/10/2020 14:45-15:00	25	194	219	254	254	33	61	94	567

Time	Freedom BI SB			Freedom BI NB		Alta Vista Av EB			Int
	LEFT	THROUGH	Total	THROUGH	Total	LEFT	RIGHT	Total	Total
02/10/2020 15:00-15:15	28	229	257	245	245	39	57	96	598
02/10/2020 15:15-15:30	31	237	268	262	262	42	80	122	652
02/10/2020 15:30-15:45	22	217	239	275	275	42	71	113	627
02/10/2020 15:45-16:00	27	210	237	239	239	46	65	111	587
02/10/2020 16:00-16:15	24	236	260	222	222	44	56	100	582
02/10/2020 16:15-16:30	25	252	277	286	286	47	67	114	677
02/10/2020 16:30-16:45	19	240	259	247	247	46	57	103	609
02/10/2020 16:45-17:00	29	275	304	296	296	46	80	126	726
02/10/2020 17:00-17:15	26	245	271	274	274	42	88	130	675
02/10/2020 17:15-17:30	20	232	252	265	265	36	82	118	635
02/10/2020 17:30-17:45	23	235	258	227	227	36	71	107	592
02/10/2020 17:45-18:00	12	209	221	265	265	42	91	133	619
02/10/2020 18:00-18:15	24	213	237	287	287	36	126	162	686
02/10/2020 18:15-18:30	32	191	223	209	209	43	91	134	566
02/10/2020 18:30-18:45	30	209	239	212	212	39	80	119	570
02/10/2020 18:45-19:00	28	167	195	230	230	33	84	117	542
02/10/2020 19:00-19:15	19	177	196	163	163	37	58	95	454
02/10/2020 19:15-19:30	22	142	164	156	156	36	57	93	413
02/10/2020 19:30-19:45	14	130	144	140	140	40	69	109	393
02/10/2020 19:45-20:00	16	125	141	118	118	33	45	78	337
02/10/2020 20:00-20:15	12	125	137	102	102	21	38	59	298
02/10/2020 20:15-20:30	9	129	138	114	114	11	48	59	311
02/10/2020 20:30-20:45	14	128	142	105	105	17	38	55	302
02/10/2020 20:45-21:00	17	91	108	85	85	9	33	42	235
02/10/2020 21:00-21:15	9	81	90	74	74	22	17	39	203
02/10/2020 21:15-21:30	13	94	107	68	68	13	23	36	211
02/10/2020 21:30-21:45	6	78	84	59	59	10	20	30	173
02/10/2020 21:45-22:00	8	63	71	72	72	11	24	35	178
02/10/2020 22:00-22:15	7	68	75	65	65	10	17	27	167
02/10/2020 22:15-22:30	7	43	50	45	45	1	14	15	110
02/10/2020 22:30-22:45	4	31	35	40	40	6	16	22	97
02/10/2020 22:45-23:00	4	40	44	29	29	2	8	10	83
02/10/2020 23:00-23:15	3	32	35	27	27	4	6	10	72
02/10/2020 23:15-23:30	5	17	22	27	27	2	12	14	63
02/10/2020 23:30-23:45	1	17	18	18	18	4	8	12	48
02/10/2020 23:45-00:00	2	20	22	25	25	4	7	11	58
02/11/2020 00:00-00:15	2	15	17	18	18	1	3	4	39
02/11/2020 00:15-00:30	3	11	14	18	18	1	1	2	34
02/11/2020 00:30-00:45	1	9	10	13	13	1	6	7	30

Time	Freedom BI SB			Freedom BI NB		Alta Vista Av EB			Int
	LEFT	THROUGH	Total	THROUGH	Total	LEFT	RIGHT	Total	Total
02/11/2020 00:45-01:00	0	11	11	8	8	1	3	4	23
02/11/2020 01:00-01:15	0	4	4	9	9	2	2	4	17
02/11/2020 01:15-01:30	4	5	9	8	8	3	3	6	23
02/11/2020 01:30-01:45	0	8	8	2	2	0	0	0	10
02/11/2020 01:45-02:00	1	5	6	2	2	0	1	1	9
02/11/2020 02:00-02:15	0	1	1	5	5	1	0	1	7
02/11/2020 02:15-02:30	0	6	6	3	3	0	0	0	9
02/11/2020 02:30-02:45	0	2	2	7	7	0	0	0	9
02/11/2020 02:45-03:00	0	5	5	2	2	0	1	1	8
02/11/2020 03:00-03:15	0	8	8	3	3	1	3	4	15
02/11/2020 03:15-03:30	2	7	9	9	9	2	2	4	22
02/11/2020 03:30-03:45	2	6	8	7	7	1	0	1	16
02/11/2020 03:45-04:00	1	14	15	14	14	1	4	5	34
02/11/2020 04:00-04:15	2	5	7	9	9	0	2	2	18
02/11/2020 04:15-04:30	2	14	16	14	14	2	5	7	37
02/11/2020 04:30-04:45	6	19	25	15	15	2	13	15	55
02/11/2020 04:45-05:00	9	30	39	38	38	5	17	22	99
02/11/2020 05:00-05:15	6	27	33	35	35	7	11	18	86
02/11/2020 05:15-05:30	3	44	47	28	28	3	11	14	89
02/11/2020 05:30-05:45	4	63	67	69	69	6	10	16	152
02/11/2020 05:45-06:00	9	66	75	68	68	5	20	25	168
02/11/2020 06:00-06:15	11	84	95	66	66	4	18	22	183
02/11/2020 06:15-06:30	6	98	104	75	75	10	25	35	214
02/11/2020 06:30-06:45	6	192	198	108	108	9	36	45	351
02/11/2020 06:45-07:00	4	173	177	98	98	17	27	44	319
02/11/2020 07:00-07:15	8	179	187	130	130	21	41	62	379
02/11/2020 07:15-07:30	21	195	216	190	190	22	50	72	478
02/11/2020 07:30-07:45	44	239	283	319	319	38	143	181	783
02/11/2020 07:45-08:00	51	346	397	331	331	21	127	148	876
02/11/2020 08:00-08:15	29	261	290	220	220	43	79	122	632
02/11/2020 08:15-08:30	16	217	233	225	225	68	87	155	613
02/11/2020 08:30-08:45	14	220	234	184	184	45	72	117	535
02/11/2020 08:45-09:00	13	184	197	182	182	30	62	92	471
02/11/2020 09:00-09:15	15	167	182	182	182	25	71	96	460
02/11/2020 09:15-09:30	17	170	187	158	158	34	47	81	426
02/11/2020 09:30-09:45	16	156	172	174	174	48	73	121	467
02/11/2020 09:45-10:00	15	136	151	185	185	27	70	97	433
02/11/2020 10:00-10:15	20	150	170	167	167	29	65	94	431
02/11/2020 10:15-10:30	24	159	183	160	160	44	76	120	463

Time	Freedom BI SB			Freedom BI NB		Alta Vista Av EB			Int
	LEFT	THROUGH	Total	THROUGH	Total	LEFT	RIGHT	Total	Total
02/11/2020 10:30-10:45	23	158	181	157	157	23	54	77	415
02/11/2020 10:45-11:00	26	173	199	187	187	29	76	105	491
02/11/2020 11:00-11:15	26	200	226	206	206	39	59	98	530
02/11/2020 11:15-11:30	24	185	209	179	179	44	69	113	501
02/11/2020 11:30-11:45	17	188	205	207	207	29	50	79	491
02/11/2020 11:45-12:00	18	188	206	224	224	39	46	85	515
02/11/2020 12:00-12:15	29	232	261	240	240	36	52	88	589
02/11/2020 12:15-12:30	22	174	196	206	206	45	45	90	492
02/11/2020 12:30-12:45	28	221	249	211	211	44	37	81	541
02/11/2020 12:45-13:00	19	220	239	199	199	40	43	83	521
02/11/2020 13:00-13:15	25	197	222	199	199	40	48	88	509
02/11/2020 13:15-13:30	27	184	211	202	202	53	82	135	548
02/11/2020 13:30-13:45	27	173	200	181	181	37	62	99	480
02/11/2020 13:45-14:00	23	180	203	194	194	46	72	118	515
02/11/2020 14:00-14:15	24	170	194	219	219	39	66	105	518
02/11/2020 14:15-14:30	33	211	244	209	209	42	78	120	573
02/11/2020 14:30-14:45	28	220	248	232	232	39	70	109	589
02/11/2020 14:45-15:00	27	212	239	294	294	56	74	130	663
02/11/2020 15:00-15:15	30	227	257	269	269	78	103	181	707
02/11/2020 15:15-15:30	25	284	309	261	261	40	70	110	680
02/11/2020 15:30-15:45	18	259	277	245	245	47	72	119	641
02/11/2020 15:45-16:00	33	252	285	233	233	47	71	118	636
02/11/2020 16:00-16:15	32	272	304	254	254	46	63	109	667
02/11/2020 16:15-16:30	32	276	308	262	262	53	71	124	694
02/11/2020 16:30-16:45	31	261	292	256	256	52	79	131	679
02/11/2020 16:45-17:00	43	254	297	304	304	51	89	140	741
02/11/2020 17:00-17:15	44	298	342	281	281	70	115	185	808
02/11/2020 17:15-17:30	34	250	284	298	298	62	100	162	744
02/11/2020 17:30-17:45	23	221	244	246	246	58	73	131	621
02/11/2020 17:45-18:00	21	237	258	290	290	36	76	112	660
02/11/2020 18:00-18:15	25	214	239	229	229	55	111	166	634
02/11/2020 18:15-18:30	25	219	244	239	239	42	121	163	646
02/11/2020 18:30-18:45	25	215	240	230	230	46	106	152	622
02/11/2020 18:45-19:00	21	199	220	188	188	29	82	111	519
02/11/2020 19:00-19:15	31	190	221	197	197	34	71	105	523
02/11/2020 19:15-19:30	16	162	178	158	158	34	62	96	432
02/11/2020 19:30-19:45	13	142	155	140	140	19	51	70	365
02/11/2020 19:45-20:00	17	132	149	123	123	31	44	75	347
02/11/2020 20:00-20:15	14	147	161	102	102	26	38	64	327



Time	Freedom BI SB			Freedom BI NB		Alta Vista Av EB			Int
	LEFT	THROUGH	Total	THROUGH	Total	LEFT	RIGHT	Total	Total
02/11/2020 20:15-20:30	19	115	134	122	122	20	44	64	320
02/11/2020 20:30-20:45	7	111	118	124	124	16	35	51	293
02/11/2020 20:45-21:00	10	110	120	101	101	15	30	45	266
02/11/2020 21:00-21:15	10	123	133	97	97	25	42	67	297
02/11/2020 21:15-21:30	4	89	93	66	66	13	19	32	191
02/11/2020 21:30-21:45	3	76	79	67	67	12	27	39	185
02/11/2020 21:45-22:00	8	58	66	59	59	17	11	28	153
02/11/2020 22:00-22:15	7	51	58	69	69	12	19	31	158
02/11/2020 22:15-22:30	8	37	45	42	42	8	13	21	108
02/11/2020 22:30-22:45	1	34	35	36	36	7	12	19	90
02/11/2020 22:45-23:00	1	19	20	27	27	6	6	12	59
02/11/2020 23:00-23:15	3	32	35	26	26	3	14	17	78
02/11/2020 23:15-23:30	3	19	22	17	17	3	6	9	48
02/11/2020 23:30-23:45	1	22	23	24	24	4	11	15	62
02/11/2020 23:45-00:00	2	9	11	13	13	1	4	5	29
02/12/2020 00:00-00:15	5	23	28	13	13	2	5	7	48
02/12/2020 00:15-00:30	1	9	10	14	14	1	4	5	29
02/12/2020 00:30-00:45	0	6	6	8	8	0	5	5	19
02/12/2020 00:45-01:00	1	13	14	15	15	0	4	4	33
02/12/2020 01:00-01:15	1	9	10	9	9	1	1	2	21
02/12/2020 01:15-01:30	1	4	5	3	3	1	2	3	11
02/12/2020 01:30-01:45	0	6	6	4	4	0	2	2	12
02/12/2020 01:45-02:00	1	5	6	3	3	0	2	2	11
02/12/2020 02:00-02:15	4	5	9	4	4	3	2	5	18
02/12/2020 02:15-02:30	1	4	5	5	5	0	0	0	10
02/12/2020 02:30-02:45	0	4	4	3	3	0	2	2	9
02/12/2020 02:45-03:00	0	3	3	5	5	0	1	1	9
02/12/2020 03:00-03:15	1	4	5	2	2	0	1	1	8
02/12/2020 03:15-03:30	1	8	9	6	6	2	1	3	18
02/12/2020 03:30-03:45	3	7	10	5	5	1	1	2	17
02/12/2020 03:45-04:00	0	9	9	18	18	1	9	10	37
02/12/2020 04:00-04:15	0	13	13	10	10	2	3	5	28
02/12/2020 04:15-04:30	2	12	14	14	14	4	7	11	39
02/12/2020 04:30-04:45	3	23	26	21	21	1	11	12	59
02/12/2020 04:45-05:00	6	39	45	28	28	2	16	18	91
02/12/2020 05:00-05:15	3	29	32	31	31	2	5	7	70
02/12/2020 05:15-05:30	5	54	59	46	46	6	13	19	124
02/12/2020 05:30-05:45	5	59	64	49	49	5	9	14	127
02/12/2020 05:45-06:00	8	58	66	68	68	3	29	32	166

Time	Freedom BI SB			Freedom BI NB		Alta Vista Av EB			Int
	LEFT	THROUGH	Total	THROUGH	Total	LEFT	RIGHT	Total	Total
02/12/2020 06:00-06:15	7	77	84	72	72	2	23	25	181
02/12/2020 06:15-06:30	8	115	123	74	74	16	29	45	242
02/12/2020 06:30-06:45	9	159	168	98	98	11	26	37	303
02/12/2020 06:45-07:00	10	198	208	95	95	11	28	39	342
02/12/2020 07:00-07:15	10	155	165	123	123	21	46	67	355
02/12/2020 07:15-07:30	21	191	212	218	218	25	60	85	515
02/12/2020 07:30-07:45	46	279	325	300	300	37	111	148	773
02/12/2020 07:45-08:00	69	330	399	314	314	35	124	159	872
02/12/2020 08:00-08:15	37	284	321	236	236	43	102	145	702
02/12/2020 08:15-08:30	26	236	262	179	179	78	75	153	594
02/12/2020 08:30-08:45	15	185	200	219	219	31	106	137	556
02/12/2020 08:45-09:00	19	156	175	194	194	25	90	115	484
02/12/2020 09:00-09:15	16	149	165	187	187	25	71	96	448
02/12/2020 09:15-09:30	22	148	170	169	169	25	75	100	439
02/12/2020 09:30-09:45	19	155	174	148	148	33	63	96	418
02/12/2020 09:45-10:00	18	178	196	161	161	30	66	96	453
02/12/2020 10:00-10:15	16	133	149	170	170	24	62	86	405
02/12/2020 10:15-10:30	21	182	203	168	168	33	80	113	484
02/12/2020 10:30-10:45	20	164	184	160	160	30	74	104	448
02/12/2020 10:45-11:00	18	199	217	199	199	39	79	118	534
02/12/2020 11:00-11:15	24	158	182	194	194	30	64	94	470
02/12/2020 11:15-11:30	17	200	217	192	192	36	37	73	482
02/12/2020 11:30-11:45	26	200	226	216	216	31	71	102	544
02/12/2020 11:45-12:00	24	218	242	233	233	44	71	115	590
02/12/2020 12:00-12:15	28	211	239	251	251	63	62	125	615
02/12/2020 12:15-12:30	18	211	229	242	242	46	40	86	557
02/12/2020 12:30-12:45	30	254	284	221	221	34	51	85	590
02/12/2020 12:45-13:00	28	239	267	245	245	62	65	127	639
02/12/2020 13:00-13:15	21	202	223	241	241	82	102	184	648
02/12/2020 13:15-13:30	27	212	239	215	215	62	64	126	580
02/12/2020 13:30-13:45	32	216	248	250	250	52	78	130	628
02/12/2020 13:45-14:00	30	219	249	250	250	41	72	113	612
02/12/2020 14:00-14:15	26	205	231	255	255	50	63	113	599
02/12/2020 14:15-14:30	30	220	250	248	248	55	72	127	625
02/12/2020 14:30-14:45	35	177	212	244	244	46	55	101	557
02/12/2020 14:45-15:00	22	216	238	256	256	61	86	147	641
02/12/2020 15:00-15:15	26	216	242	230	230	53	75	128	600
02/12/2020 15:15-15:30	28	215	243	223	223	40	61	101	567
02/12/2020 15:30-15:45	25	212	237	235	235	45	76	121	593

Time	Freedom BI SB			Freedom BI NB		Alta Vista Av EB			Int
	LEFT	THROUGH	Total	THROUGH	Total	LEFT	RIGHT	Total	Total
02/12/2020 15:45-16:00	28	221	249	247	247	67	56	123	619
02/12/2020 16:00-16:15	25	218	243	255	255	51	85	136	634
02/12/2020 16:15-16:30	25	227	252	251	251	48	55	103	606
02/12/2020 16:30-16:45	30	248	278	249	249	53	60	113	640
02/12/2020 16:45-17:00	41	243	284	302	302	52	90	142	728
02/12/2020 17:00-17:15	28	257	285	312	312	50	119	169	766
02/12/2020 17:15-17:30	24	238	262	270	270	45	82	127	659
02/12/2020 17:30-17:45	25	224	249	284	284	49	75	124	657
02/12/2020 17:45-18:00	21	232	253	273	273	42	105	147	673
02/12/2020 18:00-18:15	33	189	222	247	247	46	117	163	632
02/12/2020 18:15-18:30	30	233	263	263	263	40	111	151	677
02/12/2020 18:30-18:45	25	216	241	221	221	46	78	124	586
02/12/2020 18:45-19:00	19	186	205	234	234	44	121	165	604
02/12/2020 19:00-19:15	22	193	215	204	204	38	92	130	549
02/12/2020 19:15-19:30	24	169	193	181	181	38	82	120	494
02/12/2020 19:30-19:45	24	124	148	153	153	31	57	88	389
02/12/2020 19:45-20:00	17	131	148	148	148	40	49	89	385
02/12/2020 20:00-20:15	15	147	162	132	132	26	59	85	379
02/12/2020 20:15-20:30	16	152	168	115	115	19	33	52	335
02/12/2020 20:30-20:45	8	116	124	111	111	28	34	62	297
02/12/2020 20:45-21:00	16	126	142	82	82	19	30	49	273
02/12/2020 21:00-21:15	13	96	109	117	117	21	47	68	294
02/12/2020 21:15-21:30	10	92	102	80	80	11	25	36	218
02/12/2020 21:30-21:45	12	80	92	64	64	16	25	41	197
02/12/2020 21:45-22:00	5	69	74	74	74	14	27	41	189
02/12/2020 22:00-22:15	6	67	73	66	66	13	29	42	181
02/12/2020 22:15-22:30	8	55	63	50	50	9	17	26	139
02/12/2020 22:30-22:45	7	35	42	51	51	7	11	18	111
02/12/2020 22:45-23:00	3	30	33	33	33	4	5	9	75
02/12/2020 23:00-23:15	1	34	35	34	34	3	9	12	81
02/12/2020 23:15-23:30	4	22	26	27	27	6	9	15	68
02/12/2020 23:30-23:45	0	30	30	12	12	2	4	6	48
02/12/2020 23:45-00:00	2	15	17	17	17	2	4	6	40
02/13/2020 00:00-00:15	2	15	17	17	17	1	1	2	36
02/13/2020 00:15-00:30	2	12	14	11	11	2	1	3	28
02/13/2020 00:30-00:45	1	7	8	12	12	0	1	1	21
02/13/2020 00:45-01:00	1	10	11	10	10	1	1	2	23
02/13/2020 01:00-01:15	2	7	9	9	9	3	0	3	21
02/13/2020 01:15-01:30	1	9	10	9	9	1	2	3	22

Time	Freedom BI SB			Freedom BI NB		Alta Vista Av EB			Int
	LEFT	THROUGH	Total	THROUGH	Total	LEFT	RIGHT	Total	Total
02/13/2020 01:30-01:45	2	5	7	6	6	0	0	0	13
02/13/2020 01:45-02:00	1	5	6	9	9	3	0	3	18
02/13/2020 02:00-02:15	0	5	5	5	5	0	0	0	10
02/13/2020 02:15-02:30	2	16	18	7	7	1	2	3	28
02/13/2020 02:30-02:45	1	9	10	4	4	0	0	0	14
02/13/2020 02:45-03:00	1	4	5	6	6	0	0	0	11
02/13/2020 03:00-03:15	1	5	6	1	1	1	0	1	8
02/13/2020 03:15-03:30	2	4	6	5	5	2	5	7	18
02/13/2020 03:30-03:45	1	8	9	7	7	2	1	3	19
02/13/2020 03:45-04:00	1	9	10	6	6	2	2	4	20
02/13/2020 04:00-04:15	6	8	14	14	14	1	2	3	31
02/13/2020 04:15-04:30	3	10	13	14	14	2	6	8	35
02/13/2020 04:30-04:45	1	19	20	21	21	3	13	16	57
02/13/2020 04:45-05:00	10	31	41	33	33	2	8	10	84
02/13/2020 05:00-05:15	6	37	43	37	37	3	12	15	95
02/13/2020 05:15-05:30	4	39	43	39	39	1	20	21	103
02/13/2020 05:30-05:45	2	56	58	52	52	7	12	19	129
02/13/2020 05:45-06:00	10	64	74	60	60	6	17	23	157
02/13/2020 06:00-06:15	10	80	90	58	58	2	15	17	165
02/13/2020 06:15-06:30	3	104	107	73	73	10	19	29	209
02/13/2020 06:30-06:45	8	176	184	93	93	16	17	33	310
02/13/2020 06:45-07:00	11	181	192	100	100	13	24	37	329
02/13/2020 07:00-07:15	9	180	189	105	105	15	27	42	336
02/13/2020 07:15-07:30	12	175	187	166	166	20	46	66	419
02/13/2020 07:30-07:45	20	213	233	232	232	23	59	82	547
02/13/2020 07:45-08:00	21	289	310	244	244	29	63	92	646
02/13/2020 08:00-08:15	20	263	283	249	249	36	78	114	646
02/13/2020 08:15-08:30	19	202	221	218	218	59	62	121	560
02/13/2020 08:30-08:45	13	158	171	151	151	29	50	79	401
02/13/2020 08:45-09:00	19	181	200	168	168	28	62	90	458
02/13/2020 09:00-09:15	24	162	186	186	186	23	72	95	467
02/13/2020 09:15-09:30	19	150	169	172	172	36	69	105	446
02/13/2020 09:30-09:45	16	159	175	133	133	33	46	79	387
02/13/2020 09:45-10:00	17	138	155	149	149	28	47	75	379
02/13/2020 10:00-10:15	15	138	153	171	171	35	68	103	427
02/13/2020 10:15-10:30	22	158	180	159	159	25	55	80	419
02/13/2020 10:30-10:45	24	162	186	182	182	25	67	92	460
02/13/2020 10:45-11:00	23	160	183	209	209	41	70	111	503
02/13/2020 11:00-11:15	23	181	204	188	188	33	71	104	496

Time	Freedom BI SB			Freedom BI NB		Alta Vista Av EB			Int
	LEFT	THROUGH	Total	THROUGH	Total	LEFT	RIGHT	Total	Total
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02/13/2020 11:30-11:45	27	190	217	174	174	30	35	65	456
02/13/2020 11:45-12:00	24	204	228	214	214	49	56	105	547
02/13/2020 12:00-12:15	24	211	235	236	236	50	46	96	567
02/13/2020 12:15-12:30	25	184	209	227	227	47	56	103	539
02/13/2020 12:30-12:45	23	255	278	197	197	39	28	67	542
02/13/2020 12:45-13:00	30	215	245	232	232	43	49	92	569
02/13/2020 13:00-13:15	28	191	219	241	241	40	57	97	557
02/13/2020 13:15-13:30	25	208	233	216	216	50	81	131	580
02/13/2020 13:30-13:45	29	209	238	226	226	43	67	110	574
02/13/2020 13:45-14:00	17	202	219	231	231	40	66	106	556
02/13/2020 14:00-14:15	32	188	220	192	192	40	78	118	530
02/13/2020 14:15-14:30	28	223	251	254	254	45	79	124	629
02/13/2020 14:30-14:45	32	222	254	245	245	28	72	100	599
02/13/2020 14:45-15:00	36	206	242	278	278	65	97	162	682
02/13/2020 15:00-15:15	31	207	238	270	270	83	102	185	693
02/13/2020 15:15-15:30	38	276	314	253	253	55	93	148	715
02/13/2020 15:30-15:45	32	236	268	237	237	60	82	142	647
02/13/2020 15:45-16:00	33	243	276	242	242	46	84	130	648
02/13/2020 16:00-16:15	23	237	260	232	232	56	64	120	612
02/13/2020 16:15-16:30	23	245	268	284	284	48	89	137	689
02/13/2020 16:30-16:45	27	284	311	287	287	51	77	128	726
02/13/2020 16:45-17:00	27	249	276	279	279	54	87	141	696
02/13/2020 17:00-17:15	32	271	303	286	286	57	107	164	753
02/13/2020 17:15-17:30	30	267	297	299	299	58	107	165	761
02/13/2020 17:30-17:45	27	265	292	279	279	50	98	148	719
02/13/2020 17:45-18:00	25	230	255	331	331	52	107	159	745
02/13/2020 18:00-18:15	35	267	302	257	257	49	99	148	707
02/13/2020 18:15-18:30	32	203	235	266	266	64	115	179	680
02/13/2020 18:30-18:45	28	202	230	266	266	55	120	175	671
02/13/2020 18:45-19:00	23	202	225	218	218	44	84	128	571
02/13/2020 19:00-19:15	17	184	201	228	228	40	93	133	562
02/13/2020 19:15-19:30	27	202	229	186	186	32	62	94	509
02/13/2020 19:30-19:45	19	154	173	161	161	37	56	93	427
02/13/2020 19:45-20:00	12	142	154	152	152	15	62	77	383
02/13/2020 20:00-20:15	19	140	159	149	149	31	60	91	399
02/13/2020 20:15-20:30	13	151	164	137	137	20	64	84	385
02/13/2020 20:30-20:45	8	121	129	141	141	21	49	70	340
02/13/2020 20:45-21:00	15	123	138	115	115	19	34	53	306

Time	Freedom BI SB			Freedom BI NB		Alta Vista Av EB			Int
	LEFT	THROUGH	Total	THROUGH	Total	LEFT	RIGHT	Total	Total
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02/13/2020 21:15-21:30	10	97	107	105	105	12	41	53	265
02/13/2020 21:30-21:45	8	97	105	84	84	14	27	41	230
02/13/2020 21:45-22:00	4	61	65	64	64	16	25	41	170
02/13/2020 22:00-22:15	3	81	84	88	88	11	23	34	206
02/13/2020 22:15-22:30	4	64	68	64	64	8	19	27	159
02/13/2020 22:30-22:45	5	46	51	52	52	3	10	13	116
02/13/2020 22:45-23:00	5	28	33	28	28	7	7	14	75
02/13/2020 23:00-23:15	2	38	40	32	32	1	8	9	81
02/13/2020 23:15-23:30	0	31	31	33	33	4	8	12	76
02/13/2020 23:30-23:45	3	18	21	23	23	1	5	6	50
02/13/2020 23:45-00:00	5	15	20	20	20	5	6	11	51
02/14/2020 00:00-00:15	2	27	29	19	19	1	3	4	52
02/14/2020 00:15-00:30	0	12	12	16	16	1	1	2	30
02/14/2020 00:30-00:45	0	14	14	21	21	3	10	13	48
02/14/2020 00:45-01:00	1	10	11	13	13	0	3	3	27
02/14/2020 01:00-01:15	2	7	9	13	13	2	2	4	26
02/14/2020 01:15-01:30	0	4	4	11	11	2	4	6	21
02/14/2020 01:30-01:45	1	5	6	9	9	1	1	2	17
02/14/2020 01:45-02:00	0	3	3	2	2	0	1	1	6
02/14/2020 02:00-02:15	0	9	9	6	6	1	0	1	16
02/14/2020 02:15-02:30	0	8	8	1	1	0	0	0	9
02/14/2020 02:30-02:45	0	4	4	8	8	1	0	1	13
02/14/2020 02:45-03:00	1	1	2	5	5	0	2	2	9
02/14/2020 03:00-03:15	0	4	4	1	1	0	0	0	5
02/14/2020 03:15-03:30	0	4	4	7	7	0	0	0	11
02/14/2020 03:30-03:45	1	13	14	7	7	4	0	4	25
02/14/2020 03:45-04:00	6	12	18	12	12	2	4	6	36
02/14/2020 04:00-04:15	0	4	4	13	13	2	2	4	21
02/14/2020 04:15-04:30	1	16	17	11	11	1	5	6	34
02/14/2020 04:30-04:45	9	20	29	24	24	4	6	10	63
02/14/2020 04:45-05:00	4	36	40	25	25	2	8	10	75
02/14/2020 05:00-05:15	6	26	32	38	38	3	11	14	84
02/14/2020 05:15-05:30	5	55	60	37	37	4	8	12	109
02/14/2020 05:30-05:45	2	52	54	57	57	5	18	23	134
02/14/2020 05:45-06:00	8	51	59	53	53	6	15	21	133
02/14/2020 06:00-06:15	3	84	87	61	61	5	16	21	169
02/14/2020 06:15-06:30	5	116	121	75	75	12	19	31	227
02/14/2020 06:30-06:45	14	152	166	97	97	17	29	46	309

Time	Freedom BI SB			Freedom BI NB		Alta Vista Av EB			Int
	LEFT	THROUGH	Total	THROUGH	Total	LEFT	RIGHT	Total	Total
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02/14/2020 07:00-07:15	6	171	177	115	115	15	31	46	338
02/14/2020 07:15-07:30	13	166	179	187	187	17	48	65	431
02/14/2020 07:30-07:45	17	226	243	254	254	20	85	105	602
02/14/2020 07:45-08:00	24	288	312	237	237	28	75	103	652
02/14/2020 08:00-08:15	25	249	274	257	257	37	76	113	644
02/14/2020 08:15-08:30	18	205	223	185	185	55	53	108	516
02/14/2020 08:30-08:45	19	195	214	207	207	52	60	112	533
02/14/2020 08:45-09:00	17	158	175	183	183	27	58	85	443
02/14/2020 09:00-09:15	24	186	210	184	184	28	62	90	484
02/14/2020 09:15-09:30	21	177	198	199	199	31	63	94	491
02/14/2020 09:30-09:45	24	151	175	219	219	24	65	89	483
02/14/2020 09:45-10:00	21	164	185	188	188	38	55	93	466
02/14/2020 10:00-10:15	32	173	205	187	187	42	63	105	497
02/14/2020 10:15-10:30	29	191	220	196	196	36	58	94	510
02/14/2020 10:30-10:45	23	178	201	229	229	21	77	98	528
02/14/2020 10:45-11:00	27	218	245	219	219	55	79	134	598
02/14/2020 11:00-11:15	27	215	242	214	214	42	66	108	564
02/14/2020 11:15-11:30	22	205	227	203	203	49	57	106	536
02/14/2020 11:30-11:45	21	207	228	278	278	45	58	103	609
02/14/2020 11:45-12:00	26	211	237	224	224	55	59	114	575
02/14/2020 12:00-12:15	24	234	258	238	238	43	80	123	619
02/14/2020 12:15-12:30	24	206	230	263	263	55	61	116	609
02/14/2020 12:30-12:45	28	276	304	250	250	48	65	113	667
02/14/2020 12:45-13:00	27	261	288	239	239	45	56	101	628
02/14/2020 13:00-13:15	22	222	244	271	271	49	58	107	622
02/14/2020 13:15-13:30	28	254	282	251	251	48	61	109	642
02/14/2020 13:30-13:45	29	226	255	260	260	41	62	103	618
02/14/2020 13:45-14:00	25	226	251	256	256	46	87	133	640
02/14/2020 14:00-14:15	23	231	254	229	229	35	69	104	587
02/14/2020 14:15-14:30	35	223	258	280	280	35	84	119	657
02/14/2020 14:30-14:45	36	222	258	275	275	45	66	111	644
02/14/2020 14:45-15:00	28	241	269	288	288	58	89	147	704
02/14/2020 15:00-15:15	29	248	277	284	284	72	91	163	724
02/14/2020 15:15-15:30	28	247	275	258	258	62	78	140	673
02/14/2020 15:30-15:45	32	260	292	251	251	43	79	122	665
02/14/2020 15:45-16:00	37	285	322	252	252	54	72	126	700
02/14/2020 16:00-16:15	40	304	344	224	224	61	65	126	694
02/14/2020 16:15-16:30	31	294	325	205	205	31	72	103	633

Time	Freedom BI SB			Freedom BI NB		Alta Vista Av EB			Int
	LEFT	THROUGH	Total	THROUGH	Total	LEFT	RIGHT	Total	Total
02/14/2020 16:30-16:45	39	335	374	234	234	23	66	89	697
02/14/2020 16:45-17:00	32	308	340	221	221	60	71	131	692
02/14/2020 17:00-17:15	25	267	292	202	202	51	91	142	636
02/14/2020 17:15-17:30	34	266	300	241	241	50	85	135	676
02/14/2020 17:30-17:45	27	286	313	240	240	50	89	139	692
02/14/2020 17:45-18:00	23	269	292	273	273	43	93	136	701
02/14/2020 18:00-18:15	36	244	280	269	269	48	120	168	717
02/14/2020 18:15-18:30	36	242	278	284	284	48	144	192	754
02/14/2020 18:30-18:45	36	215	251	289	289	41	134	175	715
02/14/2020 18:45-19:00	28	240	268	242	242	36	97	133	643
<b>Summary</b>	<b>7121</b>	<b>61555</b>	<b>68676</b>	<b>63482</b>	<b>63482</b>	<b>11542</b>	<b>20692</b>	<b>32234</b>	<b>164392</b>

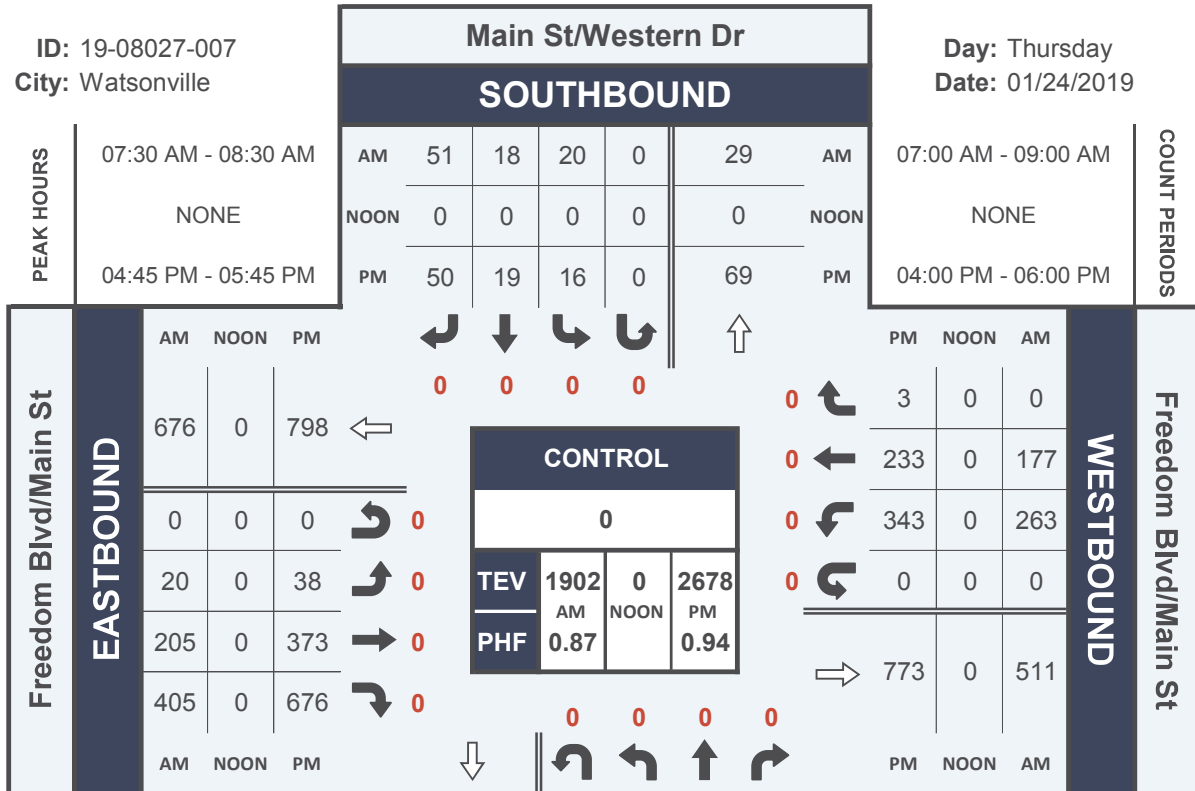


# Main St/Western Dr & Freedom Blvd/Main St

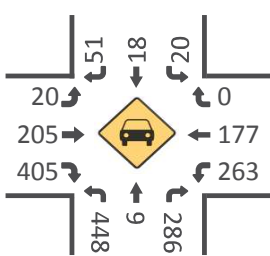
## Peak Hour Turning Movement Count

ID: 19-08027-007  
City: Watsonville

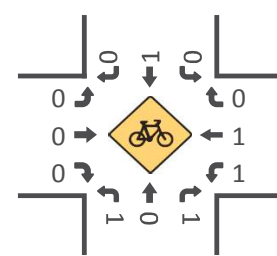
Day: Thursday  
Date: 01/24/2019



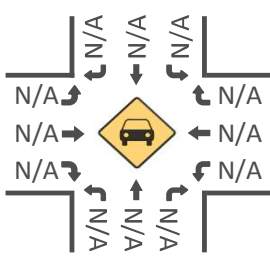
Total Vehicles (AM)



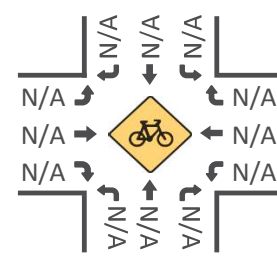
Bikes (AM)



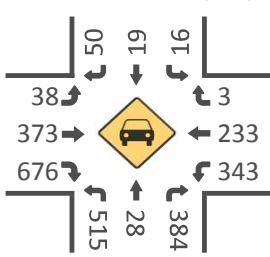
Total Vehicles (Noon)



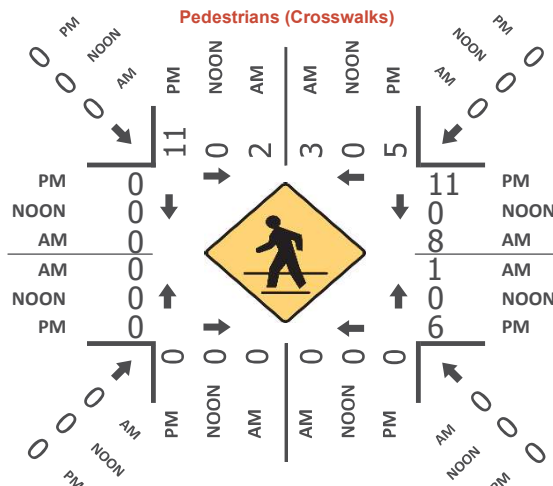
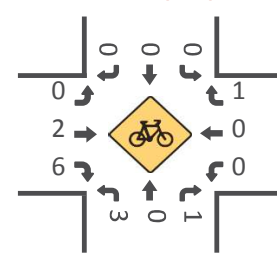
Bikes (NOON)



Total Vehicles (PM)



Bikes (PM)



National Data & Surveying Services

# Intersection Turning Movement Count

Location: Main St/Western Dr & Freedom Blvd/Main St  
 City: Watsonville  
 Control:

Project ID: 19-08027-007  
 Date: 1/24/2019

**Total**

NS/EW Streets:	Main St/Western Dr				Main St/Western Dr				Freedom Blvd/Main St				Freedom Blvd/Main St				TOTAL				
	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND								
AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU					
7:00 AM	65	2	50	0	5	4	16	0	1	19	54	0	32	45	0	0					293
7:15 AM	82	1	36	0	1	3	6	0	6	45	60	0	57	34	1	0					332
7:30 AM	101	6	59	0	6	9	15	0	5	45	98	0	67	37	0	0					448
7:45 AM	134	2	93	0	6	4	16	0	9	65	105	0	64	46	0	0					544
8:00 AM	126	1	75	0	7	3	13	0	1	49	103	0	74	58	0	0					510
8:15 AM	87	0	59	0	1	2	7	0	5	46	99	0	58	36	0	0					400
8:30 AM	84	4	77	0	4	1	5	0	1	45	94	0	52	42	1	0					410
8:45 AM	95	4	61	0	1	4	6	0	3	46	95	0	48	39	0	0					402
<b>TOTAL VOLUMES :</b>	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU					TOTAL
<b>APPROACH %'s :</b>	774	20	510	0	31	30	84	0	31	360	708	0	452	337	2	0					3339
	59.36%	1.53%	39.11%	0.00%	21.38%	20.69%	57.93%	0.00%	2.82%	32.76%	64.42%	0.00%	57.14%	42.60%	0.25%	0.00%					
<b>PEAK HR :</b>	<b>07:30 AM - 08:30 AM</b>																				TOTAL
<b>PEAK HR VOL :</b>	448	9	286	0	20	18	51	0	20	205	405	0	263	177	0	0					1902
<b>PEAK HR FACTOR :</b>	0.836	0.375	0.769	0.000	0.714	0.500	0.797	0.000	0.556	0.788	0.964	0.000	0.889	0.763	0.000	0.000					0.874
			0.811				0.742				0.880				0.833						
PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU					
4:00 PM	130	1	91	0	4	2	4	0	8	79	136	0	79	49	1	0					584
4:15 PM	106	3	97	0	5	3	7	0	6	105	179	0	76	41	0	0					628
4:30 PM	101	8	84	0	5	1	9	0	6	89	160	0	87	50	1	0					601
4:45 PM	127	5	100	0	3	4	13	0	11	100	153	0	83	52	1	0					652
5:00 PM	135	11	97	0	5	9	11	0	11	78	173	0	81	60	1	0					672
5:15 PM	130	10	95	0	5	3	14	0	8	105	187	0	92	62	0	0					711
5:30 PM	123	2	92	0	3	3	12	0	8	90	163	0	87	59	1	0					643
5:45 PM	120	5	79	0	2	2	3	0	6	104	157	0	70	55	1	0					604
<b>TOTAL VOLUMES :</b>	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU					TOTAL
<b>APPROACH %'s :</b>	972	45	735	0	32	27	73	0	64	750	1308	0	655	428	6	0					5095
	55.48%	2.57%	41.95%	0.00%	24.24%	20.45%	55.30%	0.00%	3.02%	35.34%	61.64%	0.00%	60.15%	39.30%	0.55%	0.00%					
<b>PEAK HR :</b>	<b>04:45 PM - 05:45 PM</b>																				TOTAL
<b>PEAK HR VOL :</b>	515	28	384	0	16	19	50	0	38	373	676	0	343	233	3	0					2678
<b>PEAK HR FACTOR :</b>	0.954	0.636	0.960	0.000	0.800	0.528	0.893	0.000	0.864	0.888	0.904	0.000	0.932	0.940	0.750	0.000					0.942
			0.954				0.850				0.906				0.940						

# National Data & Surveying Services

## Intersection Turning Movement Count

**Location:** Main St/Western Dr & Freedom Blvd/Main St  
**City:** Watsonville  
**Control:** 0

**Project ID:** 19-08027-007  
**Date:** 1/24/2019

### Bikes

NS/EW Streets:	Main St/Western Dr				Main St/Western Dr				Freedom Blvd/Main St				Freedom Blvd/Main St				
AM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	0 NL	0 NT	0 NR	0 NU	0 SL	0 ST	0 SR	0 SU	0 EL	0 ET	0 ER	0 EU	0 WL	0 WT	0 WR	0 WU	
7:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 AM	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	3
7:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 AM	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
8:30 AM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
8:45 AM	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
<b>TOTAL VOLUMES :</b>	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
<b>APPROACH %'s :</b>	1	0	2	0	0	1	0	0	0	0	1	0	1	1	0	0	7
	33.33%	0.00%	66.67%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	50.00%	50.00%	0.00%	0.00%	
<b>PEAK HR :</b>	07:30 AM - 08:30 AM																TOTAL
<b>PEAK HR VOL :</b>	1	0	1	0	0	1	0	0	0	0	0	0	1	1	0	0	5
<b>PEAK HR FACTOR :</b>	0.250	0.000	0.250	0.000	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.250	0.250	0.000	0.000	0.417
	0.500				0.250								0.500				
PM	NORTHBOUND				SOUTHBOUND				EASTBOUND				WESTBOUND				TOTAL
	0 NL	0 NT	0 NR	0 NU	0 SL	0 ST	0 SR	0 SU	0 EL	0 ET	0 ER	0 EU	0 WL	0 WT	0 WR	0 WU	
4:00 PM	1	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	3
4:15 PM	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
4:30 PM	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
4:45 PM	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
5:00 PM	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
5:15 PM	1	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0	5
5:30 PM	1	0	1	0	0	0	0	0	0	0	3	0	0	0	1	0	6
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL VOLUMES :</b>	NL	NT	NR	NU	SL	ST	SR	SU	EL	ET	ER	EU	WL	WT	WR	WU	TOTAL
<b>APPROACH %'s :</b>	4	0	2	0	0	0	1	0	0	2	7	0	0	1	1	0	18
	66.67%	0.00%	33.33%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	22.22%	77.78%	0.00%	0.00%	50.00%	50.00%	0.00%	
<b>PEAK HR :</b>	04:45 PM - 05:45 PM																TOTAL
<b>PEAK HR VOL :</b>	3	0	1	0	0	0	0	0	0	2	6	0	0	0	1	0	13
<b>PEAK HR FACTOR :</b>	0.75	0.000	0.250	0.000	0.000	0.000	0.000	0.000	0.000	0.500	0.500	0.000	0.000	0.000	0.250	0.000	0.542
	0.500								0.500				0.250				

# National Data & Surveying Services

## Intersection Turning Movement Count

**Location:** Main St/Western Dr & Freedom Blvd/Main St  
**City:** Watsonville

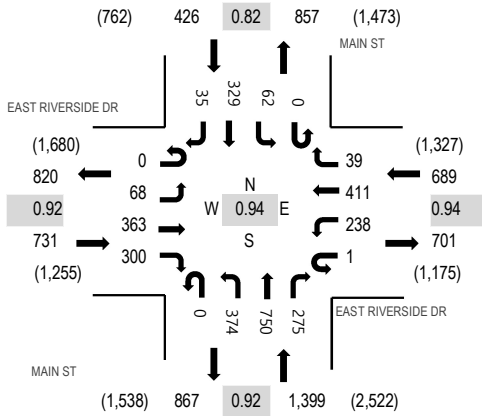
**Project ID:** 19-08027-007  
**Date:** 1/24/2019

### Pedestrians (Crosswalks)

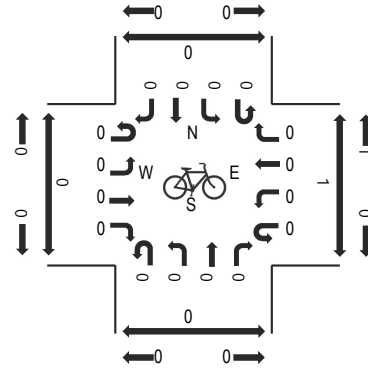
NS/EW Streets:	Main St/Western Dr		Main St/Western Dr		Freedom Blvd/Main St		Freedom Blvd/Main St		TOTAL
	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		
AM	EB	WB	EB	WB	NB	SB	NB	SB	
7:00 AM	0	1	0	0	0	0	0	0	1
7:15 AM	0	0	0	0	0	1	0	0	1
7:30 AM	1	1	0	0	0	0	0	0	2
7:45 AM	1	0	0	0	0	4	0	0	5
8:00 AM	0	1	0	0	1	4	0	0	6
8:15 AM	0	1	0	0	0	0	0	0	1
8:30 AM	1	2	0	0	0	3	0	0	6
8:45 AM	0	0	0	0	2	1	0	0	3
<b>TOTAL VOLUMES :</b>	EB 3	WB 6	EB 0	WB 0	NB 3	SB 13	NB 0	SB 0	TOTAL 25
<b>APPROACH %'s :</b>	33.33%	66.67%			18.75%	81.25%			
<b>PEAK HR :</b>	<b>07:30 AM - 08:30 AM</b>								TOTAL
<b>PEAK HR VOL :</b>	2	3	0	0	1	8	0	0	14
<b>PEAK HR FACTOR :</b>	0.500	0.750			0.250	0.500			0.583
	0.625				0.450				

PM	NORTH LEG		SOUTH LEG		EAST LEG		WEST LEG		TOTAL
	EB	WB	EB	WB	NB	SB	NB	SB	
4:00 PM	2	2	0	0	4	4	0	0	12
4:15 PM	1	0	0	0	0	1	0	0	2
4:30 PM	1	1	1	0	1	0	0	0	4
4:45 PM	3	0	0	0	1	1	0	0	5
5:00 PM	1	2	0	0	1	4	0	0	8
5:15 PM	4	2	0	0	2	4	0	0	12
5:30 PM	3	1	0	0	2	2	0	0	8
5:45 PM	0	0	0	0	0	1	0	0	1
<b>TOTAL VOLUMES :</b>	EB 15	WB 8	EB 1	WB 0	NB 11	SB 17	NB 0	SB 0	TOTAL 52
<b>APPROACH %'s :</b>	65.22%	34.78%	100.00%	0.00%	39.29%	60.71%			
<b>PEAK HR :</b>	<b>04:45 PM - 05:45 PM</b>								TOTAL
<b>PEAK HR VOL :</b>	11	5	0	0	6	11	0	0	33
<b>PEAK HR FACTOR :</b>	0.688	0.625			0.750	0.688			0.688
	0.667				0.708				

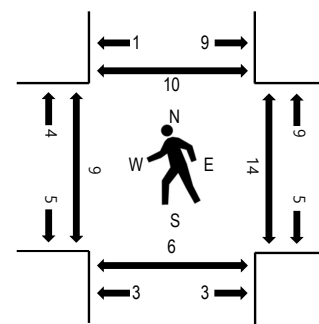
### Peak Hour - Motorized Vehicles



### Peak Hour - Bicycles



### Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

### Traffic Counts - Motorized Vehicles

Interval Start Time	EAST RIVERSIDE DR Eastbound				EAST RIVERSIDE DR Westbound				MAIN ST Northbound				MAIN ST Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
7:00 AM	0	5	57	42	0	45	113	12	0	132	145	42	0	12	56	8	669	3,075	1	0	1	1
7:15 AM	0	9	71	62	0	48	104	2	0	112	171	39	0	13	63	9	703	3,220	3	1	2	3
7:30 AM	0	15	104	80	0	50	105	6	0	115	206	67	0	13	79	4	844	3,245	2	7	3	0
7:45 AM	0	18	87	80	1	64	94	13	0	84	229	78	0	12	83	16	859	3,054	3	1	2	1
8:00 AM	0	17	86	76	0	57	105	10	0	87	174	71	0	21	102	8	814	2,791	1	2	1	4
8:15 AM	0	18	86	64	0	67	107	10	0	88	141	59	0	16	65	7	728		3	4	0	5
8:30 AM	0	1	78	64	0	49	100	12	0	92	114	44	0	13	77	9	653		0	3	0	1
8:45 AM	0	13	58	64	0	44	90	19	0	82	113	37	0	10	57	9	596		1	2	0	1

### Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	1	19	16	0	3	18	1	0	27	3	5	0	0	0	1	94
Lights	0	62	324	249	1	231	377	35	0	328	736	264	0	60	321	34	3,022
Mediums	0	5	20	35	0	4	16	3	0	19	11	6	0	2	8	0	129
Total	0	68	363	300	1	238	411	39	0	374	750	275	0	62	329	35	3,245

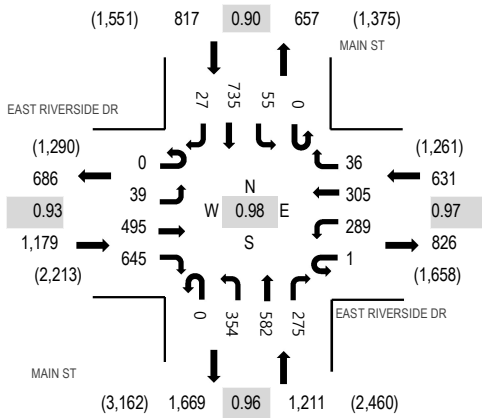
Location: 6 MAIN ST & EAST RIVERSIDE DR PM

Date: Tuesday, May 24, 2022

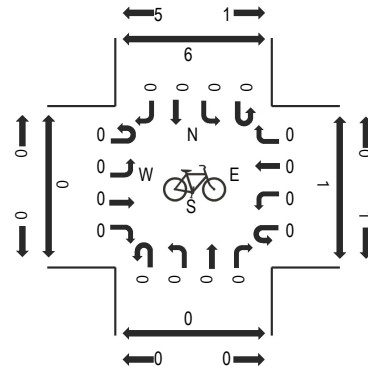
Peak Hour: 04:30 PM - 05:30 PM

Peak 15-Minutes: 05:15 PM - 05:30 PM

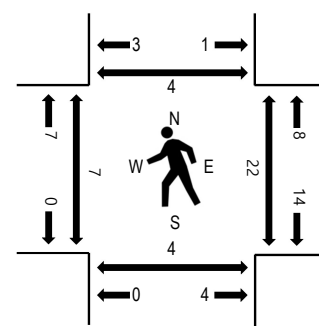
### Peak Hour - Motorized Vehicles



### Peak Hour - Bicycles



### Peak Hour - Pedestrians



Note: Total study counts contained in parentheses.

### Traffic Counts - Motorized Vehicles

Interval Start Time	EAST RIVERSIDE DR Eastbound				EAST RIVERSIDE DR Westbound				MAIN ST Northbound				MAIN ST Southbound				Total	Rolling Hour	Pedestrian Crossings			
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right			West	East	South	North
	4:00 PM	0	12	100	134	0	80	51	14	0	80	178	73	0	28	186			3	939	3,770	1
4:15 PM	0	7	123	133	0	65	68	7	0	86	167	78	0	20	164	7	925	3,783	2	2	1	0
4:30 PM	0	6	109	158	1	72	67	7	0	86	162	62	0	14	204	8	956	3,838	1	3	0	1
4:45 PM	0	12	153	153	0	62	73	13	0	96	131	75	0	12	161	9	950	3,767	2	7	3	2
5:00 PM	0	9	100	167	0	84	80	10	0	78	143	62	0	15	198	6	952	3,715	1	11	0	0
5:15 PM	0	12	133	167	0	71	85	6	0	94	146	76	0	14	172	4	980		3	1	1	1
5:30 PM	0	10	106	136	0	100	62	7	0	78	133	72	0	12	164	5	885		6	6	1	1
5:45 PM	0	12	142	119	0	89	73	14	0	82	157	65	0	13	123	9	898		4	6	2	6

### Peak Rolling Hour Flow Rates

Vehicle Type	Eastbound				Westbound				Northbound				Southbound				Total
	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	U-Turn	Left	Thru	Right	
Articulated Trucks	0	0	10	15	0	1	8	0	0	13	0	2	0	1	0	0	50
Lights	0	39	469	611	1	281	290	36	0	328	581	268	0	54	733	25	3,716
Mediums	0	0	16	19	0	7	7	0	0	13	1	5	0	0	2	2	72
Total	0	39	495	645	1	289	305	36	0	354	582	275	0	55	735	27	3,838

**Appendix B**  
**Volume Summary**

Intersection Number: **1**  
 Trafix Node Number: 1  
 Intersection Name: Main Street and Green Valley Road  
 Peak Hour: AM  
 Count Date: 1/24/2019

Scenario:	Movements												Total
	North Approach			East Approach			South Approach			West Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
<b>Existing Conditions</b>	127	433	225	223	555	130	153	465	234	280	551	186	3562
<b>Project Trips</b>	0	0	0	0	27	0	0	0	0	0	51	0	78
<b>Existing Plus Project Conditions</b>	127	433	225	223	582	130	153	465	234	280	602	186	3640

Intersection Number: **2**  
 Trafix Node Number: 2  
 Intersection Name: Freedom Boulevard and Green Valley Road  
 Peak Hour: AM  
 Count Date: 2/11/2020

Scenario:	Movements												Total
	North Approach			East Approach			South Approach			West Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
<b>Existing Conditions</b>	309	525	104	657	615	227	539	447	105	83	581	211	4403
<b>Project Trips</b>	0	4	0	0	0	4	2	2	4	7	0	0	23
<b>Existing Plus Project Conditions</b>	309	529	104	657	615	231	541	449	109	90	581	211	4426

Intersection Number: **3**  
 Trafix Node Number: 3  
 Intersection Name: Freedom Boulevard and Alta Vista Avenue  
 Peak Hour: AM  
 Count Date: 2/11/2020

Scenario:	Movements												Total
	North Approach			East Approach			South Approach			West Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
<b>Existing Conditions</b>	125	1063	0	0	0	0	0	1095	140	436	0	170	3029
<b>Project Trips</b>	0	58	0	0	0	0	0	36	4	7	0	0	105
<b>Existing Plus Project Conditions</b>	125	1121	0	0	0	0	0	1131	144	443	0	170	3134

Intersection Number: **4**  
 Trafix Node Number: 4  
 Intersection Name: Freedom Boulevard and Crestview Drive  
 Peak Hour: AM  
 Count Date: 2/11/2020

Scenario:	Movements												Total
	North Approach			East Approach			South Approach			West Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
<b>Existing Conditions</b>	0	961	119	306	0	70	42	1063	0	0	0	0	2561
<b>Project Trips</b>	0	0	48	0	0	31	68	0	0	0	0	0	147
<b>Existing Plus Project Conditions</b>	0	961	167	306	0	101	110	1063	0	0	0	0	2708



Intersection Number: **5**  
 Trafix Node Number: 5  
 Intersection Name: Freedom Boulevard and Main Street  
 Peak Hour: AM  
 Count Date: 1/24/2019

Scenario:	Movements												Total
	North Approach			East Approach			South Approach			West Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
<b>Existing Conditions</b>	0	177	263	286	9	448	405	205	20	51	18	20	1902
<b>Project Trips</b>	0	0	5	10	0	0	0	0	0	0	0	0	15
<b>Existing Plus Project Conditions</b>	0	177	268	296	9	448	405	205	20	51	18	20	1917

Intersection Number: **6**  
 Trafix Node Number: 6  
 Intersection Name: Main Street and East Riverside Drive  
 Peak Hour: AM  
 Count Date: 5/24/2022

Scenario:	Movements												Total
	North Approach			East Approach			South Approach			West Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
<b>Existing Conditions</b>	47	443	84	53	554	322	371	1011	504	404	489	92	4374
<b>Project Trips</b>	0	4	0	0	0	0	0	7	0	0	0	0	11
<b>Existing Plus Project Conditions</b>	47	447	84	53	554	322	371	1018	504	404	489	92	4385

Intersection Number: **1**  
 Traffix Node Number: 1  
 Intersection Name: Main Street and Green Valley Road  
 Peak Hour: PM  
 Count Date: 1/24/2019

Scenario:	Movements												Total
	North Approach			East Approach			South Approach			West Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
<b>Existing Conditions</b>	132	426	220	279	600	198	120	447	335	317	896	342	4312
<b>Net Project Trips</b>	0	0	0	0	61	0	0	0	0	0	38	0	99
<b>Existing Plus Project Conditions</b>	132	426	220	279	661	198	120	447	335	317	934	342	4411

Intersection Number: **2**  
 Traffix Node Number: 2  
 Intersection Name: Freedom Boulevard and Green Valley Road  
 Peak Hour: PM  
 Count Date: 2/11/2020

Scenario:	Movements												Total
	North Approach			East Approach			South Approach			West Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
<b>Existing Conditions</b>	648	618	178	471	569	95	90	539	172	400	604	254	4638
<b>Net Project Trips</b>	0	3	0	0	0	3	5	5	9	5	0	0	30
<b>Existing Plus Project Conditions</b>	648	621	178	471	569	98	95	544	181	405	604	254	4668

Intersection Number: **3**  
 Traffix Node Number: 3  
 Intersection Name: Freedom Boulevard and Alta Vista Avenue  
 Peak Hour: PM  
 Count Date: 2/11/2020

Scenario:	Movements												Total
	North Approach			East Approach			South Approach			West Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
<b>Existing Conditions</b>	94	1063	0	0	0	0	0	1139	152	383	0	235	3066
<b>Net Project Trips</b>	0	43	0	0	0	0	0	86	9	5	0	0	143
<b>Existing Plus Project Conditions</b>	94	1106	0	0	0	0	0	1225	161	388	0	235	3209

Intersection Number: **4**  
 Traffix Node Number: 4  
 Intersection Name: Freedom Boulevard and Crestview Drive  
 Peak Hour: PM  
 Count Date: 2/11/2020

Scenario:	Movements												Total
	North Approach			East Approach			South Approach			West Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
<b>Existing Conditions</b>	0	1006	205	306	0	110	50	1106	0	0	0	0	2783
<b>Net Project Trips</b>	0	0	65	0	0	69	50	0	0	0	0	0	184
<b>Existing Plus Project Conditions</b>	0	1006	270	306	0	179	100	1106	0	0	0	0	2967

Intersection Number: **5**  
 Trafix Node Number: 5  
 Intersection Name: Freedom Boulevard and Main Street  
 Peak Hour: PM  
 Count Date: 1/24/2019

Scenario:	Movements												Total
	North Approach			East Approach			South Approach			West Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
<b>Existing Conditions</b>	3	233	343	384	28	515	676	373	38	50	19	16	2678
<b>Net Project Trips</b>	0	0	13	7	0	0	0	0	0	0	0	0	20
<b>Existing Plus Project Conditions</b>	3	233	356	391	28	515	676	373	38	50	19	16	2698
























Intersection Number: **6**  
 Trafix Node Number: 6  
 Intersection Name: Main Street and East Riverside Drive  
 Peak Hour: PM  
 Count Date: 5/24/2022

Scenario:	Movements												Total
	North Approach			East Approach			South Approach			West Approach			
	RT	TH	LT	RT	TH	LT	RT	TH	LT	RT	TH	LT	
<b>Existing Conditions</b>	33	910	68	45	378	359	340	720	438	798	613	48	4750
<b>Net Project Trips</b>	0	9	0	0	0	0	0	5	0	0	0	0	14
<b>Existing Plus Project Conditions</b>	33	919	68	45	378	359	340	725	438	798	613	48	4764

**Appendix C**  
**Level of Service Calculations**

HCM Signalized Intersection Capacity Analysis  
1: Main Street & Green Valley Road























Existing AM  
07/20/2022

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	186	551	280	130	555	223	234	465	153	225	433	127
Future Volume (vph)	186	551	280	130	555	223	234	465	153	225	433	127
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.6	5.7	5.7	4.6	5.7	5.7	4.6	4.6	4.6		5.3	5.3
Lane Util. Factor	0.97	0.95	1.00	0.97	0.95	1.00	0.91	0.91	1.00		0.95	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85		1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00		0.98	1.00
Satd. Flow (prot)	3433	3539	1583	3433	3539	1583	1610	3382	1583		3480	1583
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00		0.98	1.00
Satd. Flow (perm)	3433	3539	1583	3433	3539	1583	1610	3382	1583		3480	1583
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	202	599	304	141	603	242	254	505	166	245	471	138
RTOR Reduction (vph)	0	0	215	0	0	173	0	0	132	0	0	81
Lane Group Flow (vph)	202	599	89	141	603	69	229	530	34	0	716	57
Turn Type	Prot	NA	Perm	Prot	NA	Perm	Split	NA	Perm	Split	NA	Perm
Protected Phases	1	6		5	2		7	7		8	8	
Permitted Phases			6			2			7			8
Actuated Green, G (s)	11.2	35.1	35.1	10.1	34.0	34.0	24.5	24.5	24.5		30.1	30.1
Effective Green, g (s)	11.2	35.1	35.1	10.1	34.0	34.0	24.5	24.5	24.5		30.1	30.1
Actuated g/C Ratio	0.09	0.29	0.29	0.08	0.28	0.28	0.20	0.20	0.20		0.25	0.25
Clearance Time (s)	4.6	5.7	5.7	4.6	5.7	5.7	4.6	4.6	4.6		5.3	5.3
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		3.0	3.0
Lane Grp Cap (vph)	320	1035	463	288	1002	448	328	690	323		872	397
v/s Ratio Prot	c0.06	0.17		0.04	c0.17		0.14	c0.16			c0.21	
v/s Ratio Perm			0.06			0.04			0.02			0.04
v/c Ratio	0.63	0.58	0.19	0.49	0.60	0.15	0.70	0.77	0.10		0.82	0.14
Uniform Delay, d1	52.4	36.2	31.8	52.5	37.2	32.2	44.3	45.1	38.8		42.4	34.9
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00
Incremental Delay, d2	4.0	0.8	0.2	1.3	2.7	0.7	6.4	5.1	0.1		6.3	0.2
Delay (s)	56.4	36.9	32.0	53.8	39.8	32.9	50.7	50.2	39.0		48.7	35.1
Level of Service	E	D	C	D	D	C	D	D	D		D	D
Approach Delay (s)		39.2			40.1			48.3			46.5	
Approach LOS		D			D			D			D	
<b>Intersection Summary</b>												
HCM 2000 Control Delay			43.2				HCM 2000 Level of Service				D	
HCM 2000 Volume to Capacity ratio			0.71									
Actuated Cycle Length (s)			120.0				Sum of lost time (s)				20.2	
Intersection Capacity Utilization			72.1%				ICU Level of Service				C	
Analysis Period (min)			15									

c Critical Lane Group

HCM Signalized Intersection Capacity Analysis  
5: Main Street & Freedom Boulevard

























Existing AM  
07/20/2022

													
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations													
Traffic Volume (vph)	20	18	51	448	9	286	20	205	405	263	177	0	
Future Volume (vph)	20	18	51	448	9	286	20	205	405	263	177	0	
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	
Total Lost time (s)		4.6	4.6	5.3	5.3	5.3		4.6	4.6	4.6	4.6		
Lane Util. Factor		1.00	1.00	0.95	0.95	1.00		1.00	0.88	0.91	0.91		
Frt		1.00	0.85	1.00	1.00	0.85		1.00	1.00	1.00	1.00		
Flt Protected		0.97	1.00	0.95	0.95	1.00		1.00	1.00	0.95	0.98		
Satd. Flow (prot)		1815	1583	1681	1689	1583		1854	3278	1610	3323		
Flt Permitted		0.97	1.00	0.95	0.95	1.00		1.00	1.00	0.95	0.98		
Satd. Flow (perm)		1815	1583	1681	1689	1583		1854	3278	1610	3323		
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	
Adj. Flow (vph)	22	20	55	487	10	311	22	223	440	286	192	0	
RTOR Reduction (vph)	0	0	50	0	0	193	0	0	0	0	0	0	
Lane Group Flow (vph)	0	42	5	248	249	118	0	245	440	157	321	0	
Turn Type	Split	NA	Perm	Split	NA	Perm	Split	NA	Prot	Split	NA		
Protected Phases	7	7		6	6		5	5	5	8	8		
Permitted Phases			7			6							
Actuated Green, G (s)		8.8	8.8	39.2	39.2	39.2		19.5	19.5	16.4	16.4		
Effective Green, g (s)		8.8	8.8	39.2	39.2	39.2		19.5	19.5	16.4	16.4		
Actuated g/C Ratio		0.09	0.09	0.38	0.38	0.38		0.19	0.19	0.16	0.16		
Clearance Time (s)		4.6	4.6	5.3	5.3	5.3		4.6	4.6	4.6	4.6		
Vehicle Extension (s)		3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0	3.0		
Lane Grp Cap (vph)		155	135	639	642	602		351	620	256	529		
v/s Ratio Prot		c0.02		c0.15	0.15			0.13	c0.13	c0.10	0.10		
v/s Ratio Perm			0.00			0.07							
v/c Ratio		0.27	0.03	0.39	0.39	0.20		0.70	0.71	0.61	0.61		
Uniform Delay, d1		44.1	43.2	23.2	23.2	21.4		39.0	39.1	40.3	40.3		
Progression Factor		1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00		
Incremental Delay, d2		0.9	0.1	1.8	1.8	0.7		6.0	3.7	4.3	2.0		
Delay (s)		45.0	43.3	25.0	24.9	22.1		44.9	42.8	44.7	42.3		
Level of Service		D	D	C	C	C		D	D	D	D		
Approach Delay (s)		44.1			23.8			43.6			43.1		
Approach LOS		D			C			D			D		
<b>Intersection Summary</b>													
HCM 2000 Control Delay			35.8		HCM 2000 Level of Service						D		
HCM 2000 Volume to Capacity ratio			0.49										
Actuated Cycle Length (s)			103.0		Sum of lost time (s)						19.1		
Intersection Capacity Utilization			52.5%		ICU Level of Service						A		
Analysis Period (min)			15										

c Critical Lane Group

HCM 2010 Signalized Intersection Summary  
2: Freedom Boulevard & Green Valley Road

Existing AM  
07/26/2022

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	211	581	83	227	615	657	105	447	539	104	525	309
Future Volume (veh/h)	211	581	83	227	615	657	105	447	539	104	525	309
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	229	632	31	247	668	554	114	486	434	113	571	185
Adj No. of Lanes	1	2	1	1	2	1	1	2	1	1	2	1
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	255	1204	539	278	1251	559	133	996	446	133	996	446
Arrive On Green	0.14	0.34	0.34	0.16	0.35	0.35	0.08	0.28	0.28	0.08	0.28	0.28
Sat Flow, veh/h	1774	3539	1583	1774	3539	1583	1774	3539	1583	1774	3539	1583
Grp Volume(v), veh/h	229	632	31	247	668	554	114	486	434	113	571	185
Grp Sat Flow(s),veh/h/ln	1774	1770	1583	1774	1770	1583	1774	1770	1583	1774	1770	1583
Q Serve(g_s), s	15.2	17.2	1.6	16.4	18.1	41.8	7.6	13.7	32.6	7.6	16.6	11.4
Cycle Q Clear(g_c), s	15.2	17.2	1.6	16.4	18.1	41.8	7.6	13.7	32.6	7.6	16.6	11.4
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	255	1204	539	278	1251	559	133	996	446	133	996	446
V/C Ratio(X)	0.90	0.52	0.06	0.89	0.53	0.99	0.86	0.49	0.97	0.85	0.57	0.42
Avail Cap(c_a), veh/h	257	1204	539	392	1251	559	133	996	446	133	996	446
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	50.5	31.8	26.6	49.6	30.9	38.6	54.9	35.9	42.7	54.8	36.9	35.1
Incr Delay (d2), s/veh	30.9	0.4	0.0	16.4	0.4	35.4	39.1	1.7	36.7	37.5	2.4	2.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	9.6	8.5	0.7	9.3	8.9	23.8	5.2	6.9	18.8	5.1	8.4	5.3
LnGrp Delay(d),s/veh	81.4	32.2	26.7	66.0	31.4	74.0	93.9	37.6	79.4	92.3	39.3	37.9
LnGrp LOS	F	C	C	E	C	E	F	D	E	F	D	D
Approach Vol, veh/h		892			1469			1034			869	
Approach Delay, s/veh		44.7			53.3			61.4			45.9	
Approach LOS		D			D			E			D	
Timer	1	2	3	4	5	6	7	8				
Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	13.2	38.0	23.4	45.4	13.2	38.0	21.8	47.0				
Change Period (Y+Rc), s	* 4.2	* 4.2	4.6	4.6	* 4.2	* 4.2	4.6	4.6				
Max Green Setting (Gmax), s	* 9	* 34	26.5	33.3	* 9	* 34	17.4	42.4				
Max Q Clear Time (g_c+I1), s	9.6	34.6	18.4	19.2	9.6	18.6	17.2	43.8				
Green Ext Time (p_c), s	0.0	0.0	0.4	3.6	0.0	4.0	0.0	0.0				
<b>Intersection Summary</b>												
HCM 2010 Ctrl Delay			51.9									
HCM 2010 LOS			D									
<b>Notes</b>												













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\* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



HCM 2010 Signalized Intersection Summary  
3: Freedom Boulevard & Alta Vista Avenue

Existing AM  
07/26/2022












								
Movement	EBL	EBR	NBL	NBT	SBT	SBR		
Lane Configurations								
Traffic Volume (veh/h)	170	436	140	1095	1063	125		
Future Volume (veh/h)	170	436	140	1095	1063	125		
Number	7	14	5	2	6	16		
Initial Q (Qb), veh	0	0	0	0	0	0		
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00		
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00		
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1900		
Adj Flow Rate, veh/h	185	216	152	1190	1155	127		
Adj No. of Lanes	1	1	1	2	2	0		
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92		
Percent Heavy Veh, %	2	2	2	2	2	2		
Cap, veh/h	294	263	186	2598	1874	206		
Arrive On Green	0.17	0.17	0.10	0.73	0.58	0.58		
Sat Flow, veh/h	1774	1583	1774	3632	3310	353		
Grp Volume(v), veh/h	185	216	152	1190	634	648		
Grp Sat Flow(s),veh/h/ln	1774	1583	1774	1770	1770	1800		
Q Serve(g_s), s	8.7	11.9	7.5	12.1	21.0	21.1		
Cycle Q Clear(g_c), s	8.7	11.9	7.5	12.1	21.0	21.1		
Prop In Lane	1.00	1.00	1.00			0.20		
Lane Grp Cap(c), veh/h	294	263	186	2598	1031	1049		
V/C Ratio(X)	0.63	0.82	0.82	0.46	0.62	0.62		
Avail Cap(c_a), veh/h	513	457	252	2598	1031	1049		
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00		
Upstream Filter(I)	1.00	1.00	0.75	0.75	1.00	1.00		
Uniform Delay (d), s/veh	35.0	36.3	39.4	4.8	12.2	12.2		
Incr Delay (d2), s/veh	2.2	6.4	10.8	0.4	2.8	2.7		
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0		
%ile BackOfQ(50%),veh/ln	4.4	10.3	4.3	5.9	11.0	11.2		
LnGrp Delay(d),s/veh	37.2	42.6	50.2	5.2	15.0	15.0		
LnGrp LOS	D	D	D	A	B	B		
Approach Vol, veh/h	401			1342	1282			
Approach Delay, s/veh	40.1			10.3	15.0			
Approach LOS	D			B	B			
Timer	1	2	3	4	5	6	7	8
Assigned Phs	2		4		5	6		
Phs Duration (G+Y+Rc), s	71.1		18.9		13.6	57.4		
Change Period (Y+Rc), s	5.0		4.0		* 4.2	5.0		
Max Green Setting (Gmax), s	55.0		26.0		* 13	38.0		
Max Q Clear Time (g_c+I1), s	14.1		13.9		9.5	23.1		
Green Ext Time (p_c), s	11.8		1.1		0.1	7.7		
<b>Intersection Summary</b>								
HCM 2010 Ctrl Delay			16.2					
HCM 2010 LOS			B					
<b>Notes</b>								

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\* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.

HCM 2010 Signalized Intersection Summary  
4: Crest View Drive & Freedom Boulevard

Existing AM  
07/26/2022
























								
Movement	WBL	WBR	NBT	NBR	SBL	SBT		
Lane Configurations								
Traffic Volume (veh/h)	70	306	1063	42	119	961		
Future Volume (veh/h)	70	306	1063	42	119	961		
Number	3	18	2	12	1	6		
Initial Q (Qb), veh	0	0	0	0	0	0		
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00		
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1863		
Adj Flow Rate, veh/h	76	70	1155	44	129	1045		
Adj No. of Lanes	1	1	2	0	1	2		
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92		
Percent Heavy Veh, %	2	2	2	2	2	2		
Cap, veh/h	120	107	2346	89	208	2969		
Arrive On Green	0.07	0.07	0.67	0.67	0.04	0.28		
Sat Flow, veh/h	1774	1583	3570	132	1774	3632		
Grp Volume(v), veh/h	76	70	588	611	129	1045		
Grp Sat Flow(s),veh/h/ln	1774	1583	1770	1839	1774	1770		
Q Serve(g_s), s	3.8	3.9	14.6	14.6	6.4	21.3		
Cycle Q Clear(g_c), s	3.8	3.9	14.6	14.6	6.4	21.3		
Prop In Lane	1.00	1.00		0.07	1.00			
Lane Grp Cap(c), veh/h	120	107	1194	1241	208	2969		
V/C Ratio(X)	0.63	0.65	0.49	0.49	0.62	0.35		
Avail Cap(c_a), veh/h	509	454	1194	1241	235	2969		
HCM Platoon Ratio	1.00	1.00	1.00	1.00	0.33	0.33		
Upstream Filter(l)	1.00	1.00	1.00	1.00	0.58	0.58		
Uniform Delay (d), s/veh	40.9	40.9	7.1	7.1	41.3	12.9		
Incr Delay (d2), s/veh	5.4	6.5	1.5	1.4	2.4	0.2		
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0		
%ile BackOfQ(50%),veh/ln	2.0	1.9	7.5	7.8	3.3	10.5		
LnGrp Delay(d),s/veh	46.2	47.5	8.6	8.5	43.7	13.1		
LnGrp LOS	D	D	A	A	D	B		
Approach Vol, veh/h	146		1199			1174		
Approach Delay, s/veh	46.8		8.5			16.5		
Approach LOS	D		A			B		
Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		8
Phs Duration (G+Y+Rc), s	14.8	64.9				79.7		10.3
Change Period (Y+Rc), s	* 4.2	* 4.2				* 4.2		4.2
Max Green Setting (Gmax), s	* 12	* 40				* 56		25.8
Max Q Clear Time (g_c+I1), s	8.4	16.6				23.3		5.9
Green Ext Time (p_c), s	0.1	8.9				9.2		0.4
<b>Intersection Summary</b>								
HCM 2010 Ctrl Delay			14.5					
HCM 2010 LOS			B					
<b>Notes</b>								

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\* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.

HCM 2010 Signalized Intersection Summary  
6: Main Street & Riverside Drive

Existing AM  
07/26/2022
























												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	92	489	404	322	554	53	504	1011	371	84	443	47
Future Volume (veh/h)	92	489	404	322	554	53	504	1011	371	84	443	47
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1900	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	92	489	369	322	554	47	504	1011	207	84	443	40
Adj No. of Lanes	1	2	1	2	2	0	1	2	1	1	2	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	131	1164	961	299	1129	96	494	1345	602	115	548	49
Arrive On Green	0.07	0.33	0.33	0.09	0.34	0.34	0.28	0.38	0.38	0.06	0.17	0.17
Sat Flow, veh/h	1774	3539	1583	3442	3303	280	1774	3539	1583	1774	3285	295
Grp Volume(v), veh/h	92	489	369	322	296	305	504	1011	207	84	238	245
Grp Sat Flow(s),veh/h/ln	1774	1770	1583	1721	1770	1813	1774	1770	1583	1774	1770	1811
Q Serve(g_s), s	5.8	12.4	4.3	10.0	15.2	15.3	32.0	28.5	10.7	5.3	14.9	15.0
Cycle Q Clear(g_c), s	5.8	12.4	4.3	10.0	15.2	15.3	32.0	28.5	10.7	5.3	14.9	15.0
Prop In Lane	1.00		1.00	1.00		0.15	1.00		1.00	1.00		0.16
Lane Grp Cap(c), veh/h	131	1164	961	299	605	620	494	1345	602	115	295	302
V/C Ratio(X)	0.70	0.42	0.38	1.08	0.49	0.49	1.02	0.75	0.34	0.73	0.81	0.81
Avail Cap(c_a), veh/h	170	1164	961	299	605	620	494	1477	661	185	431	441
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	52.0	30.0	4.2	52.5	29.9	29.9	41.5	30.9	25.4	52.8	46.1	46.2
Incr Delay (d2), s/veh	8.5	1.1	1.2	73.7	2.8	2.8	45.9	2.0	0.3	8.6	7.0	7.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.2	6.2	3.3	7.8	7.9	8.1	21.9	14.3	4.7	2.9	7.8	8.1
LnGrp Delay(d),s/veh	60.5	31.2	5.3	126.2	32.7	32.7	87.4	32.9	25.8	61.4	53.1	53.4
LnGrp LOS	E	C	A	F	C	C	F	C	C	E	D	D
Approach Vol, veh/h		950			923			1722			567	
Approach Delay, s/veh		24.0			65.3			48.0			54.5	
Approach LOS		C			E			D			D	
Timer	1	2	3	4	5	6	7	8				
Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	14.0	41.8	36.0	23.2	12.5	43.3	11.5	47.7				
Change Period (Y+Rc), s	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0				
Max Green Setting (Gmax), s	10.0	29.0	32.0	28.0	11.0	28.0	12.0	48.0				
Max Q Clear Time (g_c+I1), s	12.0	14.4	34.0	17.0	7.8	17.3	7.3	30.5				
Green Ext Time (p_c), s	0.0	4.1	0.0	2.2	0.1	2.7	0.1	7.7				
<b>Intersection Summary</b>												
HCM 2010 Ctrl Delay			47.2									
HCM 2010 LOS			D									
<b>Notes</b>												

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User approved pedestrian interval to be less than phase max green.

HCM Signalized Intersection Capacity Analysis  
1: Main Street & Green Valley Road

Existing PM  
07/20/2022

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	342	896	317	198	600	279	335	447	120	220	426	132
Future Volume (vph)	342	896	317	198	600	279	335	447	120	220	426	132
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.6	5.7	5.7	4.6	5.7	5.7	4.6	4.6	4.6		5.3	5.3
Lane Util. Factor	0.97	0.95	1.00	0.97	0.95	1.00	0.91	0.91	1.00		0.95	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85		1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	0.99	1.00		0.98	1.00
Satd. Flow (prot)	3433	3539	1583	3433	3539	1583	1610	3365	1583		3480	1583
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	0.99	1.00		0.98	1.00
Satd. Flow (perm)	3433	3539	1583	3433	3539	1583	1610	3365	1583		3480	1583
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	372	974	345	215	652	303	364	486	130	239	463	143
RTOR Reduction (vph)	0	0	231	0	0	217	0	0	104	0	0	112
Lane Group Flow (vph)	372	974	114	215	652	86	277	573	26	0	702	31
Turn Type	Prot	NA	Perm	Prot	NA	Perm	Split	NA	Perm	Split	NA	Perm
Protected Phases	1	6		5	2		7	7		8	8	
Permitted Phases			6			2			7			8
Actuated Green, G (s)	15.7	39.7	39.7	10.0	34.0	34.0	23.7	23.7	23.7		26.4	26.4
Effective Green, g (s)	15.7	39.7	39.7	10.0	34.0	34.0	23.7	23.7	23.7		26.4	26.4
Actuated g/C Ratio	0.13	0.33	0.33	0.08	0.28	0.28	0.20	0.20	0.20		0.22	0.22
Clearance Time (s)	4.6	5.7	5.7	4.6	5.7	5.7	4.6	4.6	4.6		5.3	5.3
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		3.0	3.0
Lane Grp Cap (vph)	449	1170	523	286	1002	448	317	664	312		765	348
v/s Ratio Prot	c0.11	c0.28		0.06	0.18		c0.17	0.17			c0.20	
v/s Ratio Perm			0.07			0.05			0.02			0.02
v/c Ratio	0.83	0.83	0.22	0.75	0.65	0.19	0.87	0.86	0.08		0.92	0.09
Uniform Delay, d1	50.8	37.1	29.0	53.8	37.8	32.6	46.7	46.6	39.3		45.7	37.2
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00
Incremental Delay, d2	11.9	5.2	0.2	10.6	3.3	0.9	22.3	11.2	0.1		15.7	0.1
Delay (s)	62.8	42.3	29.2	64.4	41.1	33.5	69.0	57.8	39.4		61.5	37.4
Level of Service	E	D	C	E	D	C	E	E	D		E	D
Approach Delay (s)		44.1			43.4			58.5			57.4	
Approach LOS		D			D			E			E	
<b>Intersection Summary</b>												
HCM 2000 Control Delay			49.3				HCM 2000 Level of Service				D	
HCM 2000 Volume to Capacity ratio			0.88									
Actuated Cycle Length (s)			120.0				Sum of lost time (s)				20.2	
Intersection Capacity Utilization			82.8%				ICU Level of Service				E	
Analysis Period (min)			15									

c Critical Lane Group

# HCM Signalized Intersection Capacity Analysis

## 5: Main Street & Freedom Boulevard

Existing PM  
07/20/2022



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↖	↗	↖	↖	↗		↖	↖↗	↖	↖↗	
Traffic Volume (vph)	16	19	50	515	28	384	38	373	676	343	233	3
Future Volume (vph)	16	19	50	515	28	384	38	373	676	343	233	3
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.6	4.6	5.3	5.3	5.3		4.6	4.0	4.6	4.6	
Lane Util. Factor		1.00	1.00	0.95	0.95	1.00		1.00	0.88	0.91	0.91	
Frt		1.00	0.85	1.00	1.00	0.85		1.00	1.00	1.00	1.00	
Flt Protected		0.98	1.00	0.95	0.96	1.00		1.00	1.00	0.95	0.98	
Satd. Flow (prot)		1822	1583	1681	1694	1583		1854	3278	1610	3321	
Flt Permitted		0.98	1.00	0.95	0.96	1.00		1.00	1.00	0.95	0.98	
Satd. Flow (perm)		1822	1583	1681	1694	1583		1854	3278	1610	3321	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	17	21	54	560	30	417	41	405	735	373	253	3
RTOR Reduction (vph)	0	0	50	0	0	269	0	0	0	0	0	0
Lane Group Flow (vph)	0	38	4	297	293	148	0	446	735	205	424	0
Turn Type	Split	NA	Perm	Split	NA	Perm	Split	NA	custom	Split	NA	
Protected Phases	7	7		6	6		5	5	2	8	8	
Permitted Phases			7			6						
Actuated Green, G (s)		8.8	8.8	38.6	38.6	38.6		32.3	76.8	21.2	21.2	
Effective Green, g (s)		8.8	8.8	38.6	38.6	38.6		32.3	76.8	21.2	21.2	
Actuated g/C Ratio		0.07	0.07	0.32	0.32	0.32		0.27	0.64	0.18	0.18	
Clearance Time (s)		4.6	4.6	5.3	5.3	5.3		4.6	4.0	4.6	4.6	
Vehicle Extension (s)		3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0	3.0	
Lane Grp Cap (vph)		133	116	540	544	509		499	2097	284	586	
v/s Ratio Prot		c0.02		c0.18	0.17			c0.24	0.22	0.13	c0.13	
v/s Ratio Perm			0.00			0.09						
v/c Ratio		0.29	0.03	0.55	0.54	0.29		0.89	0.35	0.72	0.72	
Uniform Delay, d1		52.6	51.7	33.5	33.4	30.5		42.2	10.0	46.6	46.6	
Progression Factor		1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	
Incremental Delay, d2		1.2	0.1	4.0	3.8	1.4		18.1	0.1	8.7	4.4	
Delay (s)		53.8	51.8	37.5	37.2	31.9		60.3	10.1	55.4	51.0	
Level of Service		D	D	D	D	C		E	B	E	D	
Approach Delay (s)		52.6			35.1			29.1			52.4	
Approach LOS		D			D			C			D	

### Intersection Summary

























HCM 2000 Control Delay	37.0	HCM 2000 Level of Service	D
HCM 2000 Volume to Capacity ratio	0.67		
Actuated Cycle Length (s)	120.0	Sum of lost time (s)	19.1
Intersection Capacity Utilization	66.8%	ICU Level of Service	C
Analysis Period (min)	15		

c Critical Lane Group



HCM 2010 Signalized Intersection Summary  
2: Freedom Boulevard & Green Valley Road

Existing PM  
07/26/2022













												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	254	604	400	95	569	471	172	539	90	178	618	648
Future Volume (veh/h)	254	604	400	95	569	471	172	539	90	178	618	648
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	276	657	290	103	618	259	187	586	24	193	672	457
Adj No. of Lanes	1	2	1	1	2	1	1	2	1	1	2	1
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	390	1075	481	226	748	335	204	1055	472	220	1088	487
Arrive On Green	0.22	0.30	0.30	0.13	0.21	0.21	0.12	0.30	0.30	0.12	0.31	0.31
Sat Flow, veh/h	1774	3539	1583	1774	3539	1583	1774	3539	1583	1774	3539	1583
Grp Volume(v), veh/h	276	657	290	103	618	259	187	586	24	193	672	457
Grp Sat Flow(s),veh/h/ln	1774	1770	1583	1774	1770	1583	1774	1770	1583	1774	1770	1583
Q Serve(g_s), s	17.3	19.0	18.7	6.5	20.0	18.5	12.5	16.7	1.3	12.8	19.5	33.7
Cycle Q Clear(g_c), s	17.3	19.0	18.7	6.5	20.0	18.5	12.5	16.7	1.3	12.8	19.5	33.7
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	390	1075	481	226	748	335	204	1055	472	220	1088	487
V/C Ratio(X)	0.71	0.61	0.60	0.46	0.83	0.77	0.92	0.56	0.05	0.88	0.62	0.94
Avail Cap(c_a), veh/h	390	1197	536	226	914	409	204	1055	472	250	1109	496
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	43.3	35.7	35.6	48.5	45.2	44.6	52.5	35.4	30.0	51.6	35.5	40.5
Incr Delay (d2), s/veh	5.8	0.8	1.6	1.4	5.3	7.3	40.5	0.6	0.0	25.4	1.0	25.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	9.1	9.4	8.4	3.3	10.3	8.8	8.4	8.2	0.6	7.8	9.7	18.2
LnGrp Delay(d),s/veh	49.1	36.5	37.2	50.0	50.5	51.9	93.1	36.1	30.1	77.0	36.5	66.2
LnGrp LOS	D	D	D	D	D	D	F	D	C	E	D	E
Approach Vol, veh/h		1223			980			797			1322	
Approach Delay, s/veh		39.5			50.8			49.3			52.7	
Approach LOS		D			D			D			D	
Timer	1	2	3	4	5	6	7	8				
Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	19.1	40.0	19.9	41.1	18.0	41.1	31.0	30.0				
Change Period (Y+Rc), s	* 4.2	* 4.2	4.6	4.6	* 4.2	* 4.2	4.6	4.6				
Max Green Setting (Gmax), s	* 17	* 35	10.4	40.6	* 14	* 38	20.0	31.0				
Max Q Clear Time (g_c+I1), s	14.8	18.7	8.5	21.0	14.5	35.7	19.3	22.0				
Green Ext Time (p_c), s	0.1	3.6	0.0	5.3	0.0	1.2	0.1	3.3				
<b>Intersection Summary</b>												
HCM 2010 Ctrl Delay			47.9									
HCM 2010 LOS			D									
<b>Notes</b>												

User approved pedestrian interval to be less than phase max green.

\* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.

HCM 2010 Signalized Intersection Summary  
3: Freedom Boulevard & Alta Vista Avenue

Existing PM  
07/26/2022












								
Movement	EBL	EBR	NBL	NBT	SBT	SBR		
Lane Configurations								
Traffic Volume (veh/h)	235	383	152	1139	1063	94		
Future Volume (veh/h)	235	383	152	1139	1063	94		
Number	7	14	5	2	6	16		
Initial Q (Qb), veh	0	0	0	0	0	0		
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00		
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00		
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1900		
Adj Flow Rate, veh/h	255	158	165	1238	1155	93		
Adj No. of Lanes	1	1	1	2	2	0		
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92		
Percent Heavy Veh, %	2	2	2	2	2	2		
Cap, veh/h	303	271	200	2581	1890	152		
Arrive On Green	0.17	0.17	0.11	0.73	0.57	0.57		
Sat Flow, veh/h	1774	1583	1774	3632	3411	267		
Grp Volume(v), veh/h	255	158	165	1238	615	633		
Grp Sat Flow(s),veh/h/ln	1774	1583	1774	1770	1770	1816		
Q Serve(g_s), s	12.5	8.3	8.2	13.1	20.7	20.7		
Cycle Q Clear(g_c), s	12.5	8.3	8.2	13.1	20.7	20.7		
Prop In Lane	1.00	1.00	1.00			0.15		
Lane Grp Cap(c), veh/h	303	271	200	2581	1008	1034		
V/C Ratio(X)	0.84	0.58	0.82	0.48	0.61	0.61		
Avail Cap(c_a), veh/h	434	387	272	2581	1008	1034		
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00		
Upstream Filter(l)	1.00	1.00	0.70	0.70	1.00	1.00		
Uniform Delay (d), s/veh	36.1	34.4	39.0	5.1	12.8	12.8		
Incr Delay (d2), s/veh	9.8	2.0	10.0	0.5	2.8	2.7		
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0		
%ile BackOfQ(50%),veh/ln	7.0	7.3	4.5	6.4	10.7	11.1		
LnGrp Delay(d),s/veh	45.9	36.4	49.1	5.5	15.5	15.5		
LnGrp LOS	D	D	D	A	B	B		
Approach Vol, veh/h	413			1403	1248			
Approach Delay, s/veh	42.3			10.7	15.5			
Approach LOS	D			B	B			
Timer	1	2	3	4	5	6	7	8
Assigned Phs	2		4		5	6		
Phs Duration (G+Y+Rc), s	70.6		19.4		14.4	56.3		
Change Period (Y+Rc), s	5.0		4.0		* 4.2	5.0		
Max Green Setting (Gmax), s	59.0		22.0		* 14	41.0		
Max Q Clear Time (g_c+I1), s	15.1		14.5		10.2	22.7		
Green Ext Time (p_c), s	12.7		0.9		0.1	8.4		
<b>Intersection Summary</b>								
HCM 2010 Ctrl Delay			16.9					
HCM 2010 LOS			B					
<b>Notes</b>								

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\* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.

HCM 2010 Signalized Intersection Summary  
4: Crest View Drive & Freedom Boulevard

Existing PM  
07/26/2022
























								
Movement	WBL	WBR	NBT	NBR	SBL	SBT		
Lane Configurations								
Traffic Volume (veh/h)	110	306	1106	50	205	1006		
Future Volume (veh/h)	110	306	1106	50	205	1006		
Number	3	18	2	12	1	6		
Initial Q (Qb), veh	0	0	0	0	0	0		
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00		
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1863		
Adj Flow Rate, veh/h	120	70	1202	52	223	1093		
Adj No. of Lanes	1	1	2	0	1	2		
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92		
Percent Heavy Veh, %	2	2	2	2	2	2		
Cap, veh/h	165	147	2145	93	260	2881		
Arrive On Green	0.09	0.09	0.62	0.62	0.10	0.55		
Sat Flow, veh/h	1774	1583	3550	149	1774	3632		
Grp Volume(v), veh/h	120	70	615	639	223	1093		
Grp Sat Flow(s),veh/h/ln	1774	1583	1770	1836	1774	1770		
Q Serve(g_s), s	5.9	3.8	18.2	18.2	11.1	15.9		
Cycle Q Clear(g_c), s	5.9	3.8	18.2	18.2	11.1	15.9		
Prop In Lane	1.00	1.00		0.08	1.00			
Lane Grp Cap(c), veh/h	165	147	1098	1140	260	2881		
V/C Ratio(X)	0.73	0.48	0.56	0.56	0.86	0.38		
Avail Cap(c_a), veh/h	509	454	1098	1140	292	2881		
HCM Platoon Ratio	1.00	1.00	1.00	1.00	0.67	0.67		
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.64	0.64		
Uniform Delay (d), s/veh	39.7	38.8	9.9	9.9	39.7	7.4		
Incr Delay (d2), s/veh	6.1	2.4	2.1	2.0	13.8	0.2		
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0		
%ile BackOfQ(50%),veh/ln	3.2	1.7	9.3	9.7	6.5	7.9		
LnGrp Delay(d),s/veh	45.8	41.1	12.0	11.9	53.5	7.7		
LnGrp LOS	D	D	B	B	D	A		
Approach Vol, veh/h	190		1254			1316		
Approach Delay, s/veh	44.1		12.0			15.4		
Approach LOS	D		B			B		
Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		8
Phs Duration (G+Y+Rc), s	17.4	60.1				77.5		12.5
Change Period (Y+Rc), s	* 4.2	* 4.2				* 4.2		4.2
Max Green Setting (Gmax), s	* 15	* 37				* 56		25.8
Max Q Clear Time (g_c+I1), s	13.1	20.2				17.9		7.9
Green Ext Time (p_c), s	0.1	8.0				10.2		0.5
<b>Intersection Summary</b>								
HCM 2010 Ctrl Delay			15.8					
HCM 2010 LOS			B					
<b>Notes</b>								

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\* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.

HCM 2010 Signalized Intersection Summary  
6: Main Street & Riverside Drive

Existing PM  
07/26/2022

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	48	613	798	359	378	45	438	720	340	68	910	33
Future Volume (veh/h)	48	613	798	359	378	45	438	720	340	68	910	33
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1900	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	48	613	755	359	378	37	438	720	183	68	910	31
Adj No. of Lanes	1	2	1	2	2	0	1	2	1	1	2	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	133	855	778	373	896	87	444	1617	723	106	931	32
Arrive On Green	0.08	0.24	0.24	0.11	0.28	0.28	0.25	0.46	0.46	0.06	0.27	0.27
Sat Flow, veh/h	1774	3539	1583	3442	3259	317	1774	3539	1583	1774	3492	119
Grp Volume(v), veh/h	48	613	755	359	204	211	438	720	183	68	461	480
Grp Sat Flow(s),veh/h/ln	1774	1770	1583	1721	1770	1807	1774	1770	1583	1774	1770	1842
Q Serve(g_s), s	3.1	19.1	18.3	12.5	11.4	11.5	29.5	16.6	8.5	4.5	31.0	31.0
Cycle Q Clear(g_c), s	3.1	19.1	18.3	12.5	11.4	11.5	29.5	16.6	8.5	4.5	31.0	31.0
Prop In Lane	1.00		1.00	1.00		0.18	1.00		1.00	1.00		0.06
Lane Grp Cap(c), veh/h	133	855	778	373	487	497	444	1617	723	106	472	491
V/C Ratio(X)	0.36	0.72	0.97	0.96	0.42	0.42	0.99	0.45	0.25	0.64	0.98	0.98
Avail Cap(c_a), veh/h	133	855	778	373	487	497	444	1617	723	148	472	491
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	52.8	41.7	13.5	53.3	35.7	35.7	44.8	22.2	20.0	55.2	43.6	43.6
Incr Delay (d2), s/veh	1.6	5.1	25.7	38.1	2.6	2.6	39.8	0.2	0.2	6.3	35.4	34.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.6	9.9	24.4	7.9	5.9	6.1	19.4	8.1	3.8	2.4	19.8	20.5
LnGrp Delay(d),s/veh	54.4	46.9	39.2	91.4	38.3	38.3	84.6	22.4	20.2	61.5	79.0	78.2
LnGrp LOS	D	D	D	F	D	D	F	C	C	E	E	E
Approach Vol, veh/h		1416			774			1341			1009	
Approach Delay, s/veh		43.0			62.9			42.4			77.5	
Approach LOS		D			E			D			E	
Timer	1	2	3	4	5	6	7	8				
Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	17.0	33.0	34.0	36.0	13.0	37.0	11.2	58.8				
Change Period (Y+Rc), s	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0				
Max Green Setting (Gmax), s	13.0	29.0	30.0	32.0	9.0	33.0	10.0	52.0				
Max Q Clear Time (g_c+I1), s	14.5	21.1	31.5	33.0	5.1	13.5	6.5	18.6				
Green Ext Time (p_c), s	0.0	4.4	0.0	0.0	0.0	2.3	0.0	6.5				
<b>Intersection Summary</b>												
HCM 2010 Ctrl Delay			53.9									
HCM 2010 LOS			D									
<b>Notes</b>												






























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User approved pedestrian interval to be less than phase max green.



HCM Signalized Intersection Capacity Analysis  
1: Main Street & Green Valley Road

Existing + Project AM  
07/20/2022























												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	 	 		 	 			 			 	
Traffic Volume (vph)	186	602	280	130	582	223	234	465	153	225	433	127
Future Volume (vph)	186	602	280	130	582	223	234	465	153	225	433	127
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.6	5.7	5.7	4.6	5.7	5.7	4.6	4.6	4.6		5.3	5.3
Lane Util. Factor	0.97	0.95	1.00	0.97	0.95	1.00	0.91	0.91	1.00		0.95	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85		1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00		0.98	1.00
Satd. Flow (prot)	3433	3539	1583	3433	3539	1583	1610	3382	1583		3480	1583
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	1.00	1.00		0.98	1.00
Satd. Flow (perm)	3433	3539	1583	3433	3539	1583	1610	3382	1583		3480	1583
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	202	654	304	141	633	242	254	505	166	245	471	138
RTOR Reduction (vph)	0	0	215	0	0	173	0	0	132	0	0	81
Lane Group Flow (vph)	202	654	89	141	633	69	229	530	34	0	716	57
Turn Type	Prot	NA	Perm	Prot	NA	Perm	Split	NA	Perm	Split	NA	Perm
Protected Phases	1	6		5	2		7	7		8	8	
Permitted Phases			6			2			7			8
Actuated Green, G (s)	11.2	35.1	35.1	10.1	34.0	34.0	24.5	24.5	24.5		30.1	30.1
Effective Green, g (s)	11.2	35.1	35.1	10.1	34.0	34.0	24.5	24.5	24.5		30.1	30.1
Actuated g/C Ratio	0.09	0.29	0.29	0.08	0.28	0.28	0.20	0.20	0.20		0.25	0.25
Clearance Time (s)	4.6	5.7	5.7	4.6	5.7	5.7	4.6	4.6	4.6		5.3	5.3
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		3.0	3.0
Lane Grp Cap (vph)	320	1035	463	288	1002	448	328	690	323		872	397
v/s Ratio Prot	c0.06	c0.18		0.04	0.18		0.14	c0.16			c0.21	
v/s Ratio Perm			0.06			0.04			0.02			0.04
v/c Ratio	0.63	0.63	0.19	0.49	0.63	0.15	0.70	0.77	0.10		0.82	0.14
Uniform Delay, d1	52.4	36.8	31.8	52.5	37.5	32.2	44.3	45.1	38.8		42.4	34.9
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00
Incremental Delay, d2	4.0	1.3	0.2	1.3	3.0	0.7	6.4	5.1	0.1		6.3	0.2
Delay (s)	56.4	38.1	32.0	53.8	40.6	32.9	50.7	50.2	39.0		48.7	35.1
Level of Service	E	D	C	D	D	C	D	D	D		D	D
Approach Delay (s)		39.7			40.6			48.3			46.5	
Approach LOS		D			D			D			D	
<b>Intersection Summary</b>												
HCM 2000 Control Delay			43.4				HCM 2000 Level of Service				D	
HCM 2000 Volume to Capacity ratio			0.73									
Actuated Cycle Length (s)			120.0				Sum of lost time (s)			20.2		
Intersection Capacity Utilization			73.4%				ICU Level of Service			D		
Analysis Period (min)			15									

c Critical Lane Group

# HCM Signalized Intersection Capacity Analysis

## 5: Main Street & Freedom Boulevard

























Existing + Project AM  
07/20/2022

													
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations													
Traffic Volume (vph)	20	18	51	448	9	296	20	205	405	268	177	0	
Future Volume (vph)	20	18	51	448	9	296	20	205	405	268	177	0	
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	
Total Lost time (s)		4.6	4.6	5.3	5.3	5.3		4.6	4.6	4.6	4.6		
Lane Util. Factor		1.00	1.00	0.95	0.95	1.00		1.00	0.88	0.91	0.91		
Frt		1.00	0.85	1.00	1.00	0.85		1.00	1.00	1.00	1.00		
Flt Protected		0.97	1.00	0.95	0.95	1.00		1.00	1.00	0.95	0.98		
Satd. Flow (prot)		1815	1583	1681	1689	1583		1854	3278	1610	3322		
Flt Permitted		0.97	1.00	0.95	0.95	1.00		1.00	1.00	0.95	0.98		
Satd. Flow (perm)		1815	1583	1681	1689	1583		1854	3278	1610	3322		
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	
Adj. Flow (vph)	22	20	55	487	10	322	22	223	440	291	192	0	
RTOR Reduction (vph)	0	0	50	0	0	198	0	0	0	0	0	0	
Lane Group Flow (vph)	0	42	5	248	249	124	0	245	440	157	326	0	
Turn Type	Split	NA	Perm	Split	NA	Perm	Split	NA	Prot	Split	NA		
Protected Phases	7	7		6	6		5	5	5	8	8		
Permitted Phases			7			6							
Actuated Green, G (s)		8.8	8.8	40.0	40.0	40.0		19.6	19.6	16.5	16.5		
Effective Green, g (s)		8.8	8.8	40.0	40.0	40.0		19.6	19.6	16.5	16.5		
Actuated g/C Ratio		0.08	0.08	0.38	0.38	0.38		0.19	0.19	0.16	0.16		
Clearance Time (s)		4.6	4.6	5.3	5.3	5.3		4.6	4.6	4.6	4.6		
Vehicle Extension (s)		3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0	3.0		
Lane Grp Cap (vph)		153	133	646	649	608		349	617	255	527		
v/s Ratio Prot		c0.02		c0.15	0.15			0.13	c0.13	0.10	c0.10		
v/s Ratio Perm			0.00			0.08							
v/c Ratio		0.27	0.03	0.38	0.38	0.20		0.70	0.71	0.62	0.62		
Uniform Delay, d1		44.6	43.7	23.1	23.1	21.4		39.5	39.6	40.8	40.8		
Progression Factor		1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00		
Incremental Delay, d2		1.0	0.1	1.7	1.7	0.8		6.3	3.9	4.4	2.2		
Delay (s)		45.6	43.8	24.8	24.8	22.1		45.7	43.5	45.2	43.0		
Level of Service		D	D	C	C	C		D	D	D	D		
Approach Delay (s)		44.6			23.8			44.3			43.7		
Approach LOS		D			C			D			D		
<b>Intersection Summary</b>													
HCM 2000 Control Delay			36.1		HCM 2000 Level of Service					D			
HCM 2000 Volume to Capacity ratio			0.49										
Actuated Cycle Length (s)			104.0		Sum of lost time (s)					19.1			
Intersection Capacity Utilization			52.5%		ICU Level of Service					A			
Analysis Period (min)			15										

c Critical Lane Group

HCM 2010 Signalized Intersection Summary  
2: Freedom Boulevard & Green Valley Road

Existing + Project AM  
07/26/2022













												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	211	581	90	231	615	657	109	449	541	104	529	309
Future Volume (veh/h)	211	581	90	231	615	657	109	449	541	104	529	309
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	229	632	39	251	668	554	118	488	436	113	575	185
Adj No. of Lanes	1	2	1	1	2	1	1	2	1	1	2	1
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	255	1196	535	282	1251	559	133	996	446	133	996	446
Arrive On Green	0.14	0.34	0.34	0.16	0.35	0.35	0.08	0.28	0.28	0.08	0.28	0.28
Sat Flow, veh/h	1774	3539	1583	1774	3539	1583	1774	3539	1583	1774	3539	1583
Grp Volume(v), veh/h	229	632	39	251	668	554	118	488	436	113	575	185
Grp Sat Flow(s),veh/h/ln	1774	1770	1583	1774	1770	1583	1774	1770	1583	1774	1770	1583
Q Serve(g_s), s	15.2	17.3	2.0	16.6	18.1	41.8	7.9	13.8	32.8	7.6	16.7	11.4
Cycle Q Clear(g_c), s	15.2	17.3	2.0	16.6	18.1	41.8	7.9	13.8	32.8	7.6	16.7	11.4
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	255	1196	535	282	1251	559	133	996	446	133	996	446
V/C Ratio(X)	0.90	0.53	0.07	0.89	0.53	0.99	0.89	0.49	0.98	0.85	0.58	0.42
Avail Cap(c_a), veh/h	257	1196	535	392	1251	559	133	996	446	133	996	446
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	50.5	32.0	27.0	49.4	30.9	38.6	55.0	35.9	42.8	54.8	37.0	35.1
Incr Delay (d2), s/veh	30.9	0.4	0.1	16.9	0.4	35.4	45.9	1.7	37.7	37.5	2.4	2.8
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	9.6	8.5	0.9	9.5	8.9	23.8	5.6	6.9	19.0	5.1	8.5	5.3
LnGrp Delay(d),s/veh	81.4	32.4	27.0	66.3	31.4	74.0	100.9	37.7	80.4	92.3	39.4	37.9
LnGrp LOS	F	C	C	E	C	E	F	D	F	F	D	D
Approach Vol, veh/h		900			1473			1042			873	
Approach Delay, s/veh		44.7			53.4			62.7			46.0	
Approach LOS		D			D			E			D	
Timer	1	2	3	4	5	6	7	8				
Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	13.2	38.0	23.7	45.2	13.2	38.0	21.8	47.0				
Change Period (Y+Rc), s	* 4.2	* 4.2	4.6	4.6	* 4.2	* 4.2	4.6	4.6				
Max Green Setting (Gmax), s	* 9	* 34	26.5	33.3	* 9	* 34	17.4	42.4				
Max Q Clear Time (g_c+I1), s	9.6	34.8	18.6	19.3	9.9	18.7	17.2	43.8				
Green Ext Time (p_c), s	0.0	0.0	0.4	3.6	0.0	4.0	0.0	0.0				
<b>Intersection Summary</b>												
HCM 2010 Ctrl Delay			52.3									
HCM 2010 LOS			D									
<b>Notes</b>												

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\* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.

HCM 2010 Signalized Intersection Summary  
3: Freedom Boulevard & Alta Vista Avenue

Existing + Project AM  
07/26/2022

								
Movement	EBL	EBR	NBL	NBT	SBT	SBR		
Lane Configurations								
Traffic Volume (veh/h)	170	443	144	1131	1121	125		
Future Volume (veh/h)	170	443	144	1131	1121	125		
Number	7	14	5	2	6	16		
Initial Q (Qb), veh	0	0	0	0	0	0		
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00		
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00		
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1900		
Adj Flow Rate, veh/h	185	224	157	1229	1218	127		
Adj No. of Lanes	1	1	1	2	2	0		
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92		
Percent Heavy Veh, %	2	2	2	2	2	2		
Cap, veh/h	303	271	191	2581	1860	193		
Arrive On Green	0.17	0.17	0.11	0.73	0.57	0.57		
Sat Flow, veh/h	1774	1583	1774	3632	3329	337		
Grp Volume(v), veh/h	185	224	157	1229	665	680		
Grp Sat Flow(s),veh/h/ln	1774	1583	1774	1770	1770	1803		
Q Serve(g_s), s	8.7	12.3	7.8	13.0	23.0	23.2		
Cycle Q Clear(g_c), s	8.7	12.3	7.8	13.0	23.0	23.2		
Prop In Lane	1.00	1.00	1.00			0.19		
Lane Grp Cap(c), veh/h	303	271	191	2581	1017	1036		
V/C Ratio(X)	0.61	0.83	0.82	0.48	0.65	0.66		
Avail Cap(c_a), veh/h	513	457	252	2581	1017	1036		
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00		
Upstream Filter(I)	1.00	1.00	0.69	0.69	1.00	1.00		
Uniform Delay (d), s/veh	34.5	36.0	39.3	5.1	13.0	13.1		
Incr Delay (d2), s/veh	2.0	6.4	10.7	0.4	3.3	3.3		
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0		
%ile BackOfQ(50%),veh/ln	4.4	10.7	4.4	6.3	12.0	12.3		
LnGrp Delay(d),s/veh	36.5	42.4	50.0	5.5	16.3	16.3		
LnGrp LOS	D	D	D	A	B	B		
Approach Vol, veh/h	409			1386	1345			
Approach Delay, s/veh	39.8			10.5	16.3			
Approach LOS	D			B	B			
Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		70.6		19.4	13.9	56.7		
Change Period (Y+Rc), s		5.0		4.0	* 4.2	5.0		
Max Green Setting (Gmax), s		55.0		26.0	* 13	38.0		
Max Q Clear Time (g_c+I1), s		15.0		14.3	9.8	25.2		
Green Ext Time (p_c), s		12.3		1.1	0.1	7.4		
<b>Intersection Summary</b>								
HCM 2010 Ctrl Delay			16.8					
HCM 2010 LOS			B					
<b>Notes</b>								

\* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.
























								
Movement	WBL	WBR	NBT	NBR	SBL	SBT		
Lane Configurations								
Traffic Volume (veh/h)	101	306	1063	110	167	961		
Future Volume (veh/h)	101	306	1063	110	167	961		
Number	3	18	2	12	1	6		
Initial Q (Qb), veh	0	0	0	0	0	0		
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00		
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1863		
Adj Flow Rate, veh/h	110	70	1155	118	182	1045		
Adj No. of Lanes	1	1	2	0	1	2		
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92		
Percent Heavy Veh, %	2	2	2	2	2	2		
Cap, veh/h	154	137	2108	215	219	2902		
Arrive On Green	0.09	0.09	0.65	0.65	0.04	0.27		
Sat Flow, veh/h	1774	1583	3336	331	1774	3632		
Grp Volume(v), veh/h	110	70	629	644	182	1045		
Grp Sat Flow(s),veh/h/ln	1774	1583	1770	1804	1774	1770		
Q Serve(g_s), s	5.4	3.8	17.4	17.5	9.2	21.5		
Cycle Q Clear(g_c), s	5.4	3.8	17.4	17.5	9.2	21.5		
Prop In Lane	1.00	1.00		0.18	1.00			
Lane Grp Cap(c), veh/h	154	137	1150	1173	219	2902		
V/C Ratio(X)	0.71	0.51	0.55	0.55	0.83	0.36		
Avail Cap(c_a), veh/h	509	454	1150	1173	235	2902		
HCM Platoon Ratio	1.00	1.00	1.00	1.00	0.33	0.33		
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.53	0.53		
Uniform Delay (d), s/veh	40.0	39.3	8.6	8.6	42.3	13.7		
Incr Delay (d2), s/veh	6.0	2.9	1.9	1.8	12.2	0.2		
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0		
%ile BackOfQ(50%),veh/ln	2.9	1.8	9.0	9.2	5.3	10.6		
LnGrp Delay(d),s/veh	46.0	42.2	10.4	10.4	54.4	13.9		
LnGrp LOS	D	D	B	B	D	B		
Approach Vol, veh/h	180		1273			1227		
Approach Delay, s/veh	44.5		10.4			19.9		
Approach LOS	D		B			B		
Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		8
Phs Duration (G+Y+Rc), s	15.3	62.7				78.0		12.0
Change Period (Y+Rc), s	* 4.2	* 4.2				* 4.2		4.2
Max Green Setting (Gmax), s	* 12	* 40				* 56		25.8
Max Q Clear Time (g_c+I1), s	11.2	19.5				23.5		7.4
Green Ext Time (p_c), s	0.0	9.1				9.2		0.5
<b>Intersection Summary</b>								
HCM 2010 Ctrl Delay			17.1					
HCM 2010 LOS			B					
<b>Notes</b>								

\* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



HCM 2010 Signalized Intersection Summary  
6: Main Street & Riverside Drive

Existing + Project AM  
07/26/2022

























												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	92	489	404	322	554	53	504	1018	371	84	447	47
Future Volume (veh/h)	92	489	404	322	554	53	504	1018	371	84	447	47
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1900	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	92	489	369	322	554	47	504	1018	208	84	447	40
Adj No. of Lanes	1	2	1	2	2	0	1	2	1	1	2	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	131	1160	960	299	1125	95	494	1349	604	115	552	49
Arrive On Green	0.07	0.33	0.33	0.09	0.34	0.34	0.28	0.38	0.38	0.06	0.17	0.17
Sat Flow, veh/h	1774	3539	1583	3442	3303	280	1774	3539	1583	1774	3288	293
Grp Volume(v), veh/h	92	489	369	322	296	305	504	1018	208	84	240	247
Grp Sat Flow(s),veh/h/ln	1774	1770	1583	1721	1770	1813	1774	1770	1583	1774	1770	1811
Q Serve(g_s), s	5.8	12.4	4.3	10.0	15.2	15.3	32.0	28.7	10.8	5.3	15.0	15.1
Cycle Q Clear(g_c), s	5.8	12.4	4.3	10.0	15.2	15.3	32.0	28.7	10.8	5.3	15.0	15.1
Prop In Lane	1.00		1.00	1.00		0.15	1.00		1.00	1.00		0.16
Lane Grp Cap(c), veh/h	131	1160	960	299	603	618	494	1349	604	115	297	304
V/C Ratio(X)	0.70	0.42	0.38	1.08	0.49	0.49	1.02	0.75	0.34	0.73	0.81	0.81
Avail Cap(c_a), veh/h	170	1160	960	299	603	618	494	1477	661	185	431	441
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	52.0	30.1	4.2	52.5	30.0	30.0	41.5	30.9	25.3	52.8	46.1	46.1
Incr Delay (d2), s/veh	8.5	1.1	1.2	73.7	2.8	2.8	45.9	2.1	0.3	8.6	7.2	7.4
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.2	6.2	3.3	7.8	7.9	8.2	21.9	14.4	4.7	2.9	7.9	8.2
LnGrp Delay(d),s/veh	60.5	31.3	5.4	126.2	32.9	32.8	87.4	33.0	25.7	61.4	53.2	53.5
LnGrp LOS	E	C	A	F	C	C	F	C	C	E	D	D
Approach Vol, veh/h		950			923			1730			571	
Approach Delay, s/veh		24.0			65.4			48.0			54.5	
Approach LOS		C			E			D			D	
Timer	1	2	3	4	5	6	7	8				
Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	14.0	41.7	36.0	23.3	12.5	43.2	11.5	47.8				
Change Period (Y+Rc), s	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0				
Max Green Setting (Gmax), s	10.0	29.0	32.0	28.0	11.0	28.0	12.0	48.0				
Max Q Clear Time (g_c+I1), s	12.0	14.4	34.0	17.1	7.8	17.3	7.3	30.7				
Green Ext Time (p_c), s	0.0	4.1	0.0	2.2	0.1	2.7	0.1	7.7				
<b>Intersection Summary</b>												
HCM 2010 Ctrl Delay			47.3									
HCM 2010 LOS			D									
<b>Notes</b>												

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User approved pedestrian interval to be less than phase max green.

HCM Signalized Intersection Capacity Analysis  
1: Main Street & Green Valley Road

Existing+Project PM  
07/20/2022























												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	342	934	317	198	661	279	335	447	120	220	426	132
Future Volume (vph)	342	934	317	198	661	279	335	447	120	220	426	132
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.6	5.7	5.7	4.6	5.7	5.7	4.6	4.6	4.6		5.3	5.3
Lane Util. Factor	0.97	0.95	1.00	0.97	0.95	1.00	0.91	0.91	1.00		0.95	1.00
Frt	1.00	1.00	0.85	1.00	1.00	0.85	1.00	1.00	0.85		1.00	0.85
Flt Protected	0.95	1.00	1.00	0.95	1.00	1.00	0.95	0.99	1.00		0.98	1.00
Satd. Flow (prot)	3433	3539	1583	3433	3539	1583	1610	3365	1583		3480	1583
Flt Permitted	0.95	1.00	1.00	0.95	1.00	1.00	0.95	0.99	1.00		0.98	1.00
Satd. Flow (perm)	3433	3539	1583	3433	3539	1583	1610	3365	1583		3480	1583
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	372	1015	345	215	718	303	364	486	130	239	463	143
RTOR Reduction (vph)	0	0	231	0	0	217	0	0	104	0	0	112
Lane Group Flow (vph)	372	1015	114	215	718	86	277	573	26	0	702	31
Turn Type	Prot	NA	Perm	Prot	NA	Perm	Split	NA	Perm	Split	NA	Perm
Protected Phases	1	6		5	2		7	7		8	8	
Permitted Phases			6			2			7			8
Actuated Green, G (s)	15.7	39.7	39.7	10.0	34.0	34.0	23.7	23.7	23.7		26.4	26.4
Effective Green, g (s)	15.7	39.7	39.7	10.0	34.0	34.0	23.7	23.7	23.7		26.4	26.4
Actuated g/C Ratio	0.13	0.33	0.33	0.08	0.28	0.28	0.20	0.20	0.20		0.22	0.22
Clearance Time (s)	4.6	5.7	5.7	4.6	5.7	5.7	4.6	4.6	4.6		5.3	5.3
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0		3.0	3.0
Lane Grp Cap (vph)	449	1170	523	286	1002	448	317	664	312		765	348
v/s Ratio Prot	c0.11	c0.29		0.06	0.20		c0.17	0.17			c0.20	
v/s Ratio Perm			0.07			0.05			0.02			0.02
v/c Ratio	0.83	0.87	0.22	0.75	0.72	0.19	0.87	0.86	0.08		0.92	0.09
Uniform Delay, d1	50.8	37.7	29.0	53.8	38.7	32.6	46.7	46.6	39.3		45.7	37.2
Progression Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00		1.00	1.00
Incremental Delay, d2	11.9	7.0	0.2	10.6	4.4	0.9	22.3	11.2	0.1		15.7	0.1
Delay (s)	62.8	44.7	29.2	64.4	43.1	33.5	69.0	57.8	39.4		61.5	37.4
Level of Service	E	D	C	E	D	C	E	E	D		E	D
Approach Delay (s)		45.5			44.4			58.5			57.4	
Approach LOS		D			D			E			E	
<b>Intersection Summary</b>												
HCM 2000 Control Delay			50.0				HCM 2000 Level of Service				D	
HCM 2000 Volume to Capacity ratio			0.90									
Actuated Cycle Length (s)			120.0				Sum of lost time (s)				20.2	
Intersection Capacity Utilization			83.9%				ICU Level of Service				E	
Analysis Period (min)			15									

c Critical Lane Group

# HCM Signalized Intersection Capacity Analysis

## 5: Main Street & Freedom Boulevard

























Existing+Project PM  
07/20/2022

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	16	19	50	515	28	391	38	373	676	356	233	3
Future Volume (vph)	16	19	50	515	28	391	38	373	676	356	233	3
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)		4.6	4.6	5.3	5.3	5.3		4.6	4.0	4.6	4.6	
Lane Util. Factor		1.00	1.00	0.95	0.95	1.00		1.00	0.88	0.91	0.91	
Frt		1.00	0.85	1.00	1.00	0.85		1.00	1.00	1.00	1.00	
Flt Protected		0.98	1.00	0.95	0.96	1.00		1.00	1.00	0.95	0.98	
Satd. Flow (prot)		1822	1583	1681	1694	1583		1854	3278	1610	3319	
Flt Permitted		0.98	1.00	0.95	0.96	1.00		1.00	1.00	0.95	0.98	
Satd. Flow (perm)		1822	1583	1681	1694	1583		1854	3278	1610	3319	
Peak-hour factor, PHF	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Adj. Flow (vph)	17	21	54	560	30	425	41	405	735	387	253	3
RTOR Reduction (vph)	0	0	50	0	0	276	0	0	0	0	0	0
Lane Group Flow (vph)	0	38	4	297	293	149	0	446	735	209	434	0
Turn Type	Split	NA	Perm	Split	NA	Perm	Split	NA	custom	Split	NA	
Protected Phases	7	7		6	6		5	5	2	8	8	
Permitted Phases			7			6						
Actuated Green, G (s)		8.8	8.8	38.2	38.2	38.2		32.3	76.4	21.6	21.6	
Effective Green, g (s)		8.8	8.8	38.2	38.2	38.2		32.3	76.4	21.6	21.6	
Actuated g/C Ratio		0.07	0.07	0.32	0.32	0.32		0.27	0.64	0.18	0.18	
Clearance Time (s)		4.6	4.6	5.3	5.3	5.3		4.6	4.0	4.6	4.6	
Vehicle Extension (s)		3.0	3.0	3.0	3.0	3.0		3.0	3.0	3.0	3.0	
Lane Grp Cap (vph)		133	116	535	539	503		499	2086	289	597	
v/s Ratio Prot		c0.02		c0.18	0.17			c0.24	0.22	0.13	c0.13	
v/s Ratio Perm			0.00			0.09						
v/c Ratio		0.29	0.03	0.56	0.54	0.30		0.89	0.35	0.72	0.73	
Uniform Delay, d1		52.6	51.7	33.9	33.7	30.8		42.2	10.2	46.4	46.4	
Progression Factor		1.00	1.00	1.00	1.00	1.00		1.00	1.00	1.00	1.00	
Incremental Delay, d2		1.2	0.1	4.1	3.9	1.5		18.1	0.1	8.6	4.4	
Delay (s)		53.8	51.8	38.0	37.6	32.3		60.3	10.3	55.0	50.8	
Level of Service		D	D	D	D	C		E	B	E	D	
Approach Delay (s)		52.6			35.5			29.2			52.2	
Approach LOS		D			D			C			D	
<b>Intersection Summary</b>												
HCM 2000 Control Delay			37.2				HCM 2000 Level of Service			D		
HCM 2000 Volume to Capacity ratio			0.68									
Actuated Cycle Length (s)			120.0				Sum of lost time (s)		19.1			
Intersection Capacity Utilization			67.2%				ICU Level of Service		C			
Analysis Period (min)			15									

c Critical Lane Group

HCM 2010 Signalized Intersection Summary  
2: Freedom Boulevard & Green Valley Road

Existing+Project PM  
07/26/2022













												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	254	604	405	98	569	471	181	544	95	178	621	648
Future Volume (veh/h)	254	604	405	98	569	471	181	544	95	178	621	648
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863	1863
Adj Flow Rate, veh/h	276	657	294	107	618	248	197	591	26	193	675	444
Adj No. of Lanes	1	2	1	1	2	1	1	2	1	1	2	1
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	400	1067	477	240	747	334	219	1035	463	220	1038	464
Arrive On Green	0.23	0.30	0.30	0.14	0.21	0.21	0.12	0.29	0.29	0.12	0.29	0.29
Sat Flow, veh/h	1774	3539	1583	1774	3539	1583	1774	3539	1583	1774	3539	1583
Grp Volume(v), veh/h	276	657	294	107	618	248	197	591	26	193	675	444
Grp Sat Flow(s),veh/h/ln	1774	1770	1583	1774	1770	1583	1774	1770	1583	1774	1770	1583
Q Serve(g_s), s	17.1	19.1	19.1	6.7	20.0	17.6	13.1	17.0	1.4	12.8	20.0	33.0
Cycle Q Clear(g_c), s	17.1	19.1	19.1	6.7	20.0	17.6	13.1	17.0	1.4	12.8	20.0	33.0
Prop In Lane	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	400	1067	477	240	747	334	219	1035	463	220	1038	464
V/C Ratio(X)	0.69	0.62	0.62	0.45	0.83	0.74	0.90	0.57	0.06	0.88	0.65	0.96
Avail Cap(c_a), veh/h	400	1186	530	240	914	409	219	1035	463	250	1038	464
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	42.6	36.0	36.0	47.7	45.2	44.3	51.9	36.1	30.5	51.6	37.0	41.6
Incr Delay (d2), s/veh	5.0	0.8	1.8	1.3	5.3	5.7	35.2	2.3	0.2	25.4	3.2	32.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	8.9	9.4	8.6	3.4	10.3	8.2	8.6	8.6	0.7	7.8	10.2	18.5
LnGrp Delay(d),s/veh	47.6	36.8	37.8	49.0	50.6	49.9	87.0	38.4	30.8	77.0	40.2	73.8
LnGrp LOS	D	D	D	D	D	D	F	D	C	E	D	E
Approach Vol, veh/h		1227			973			814			1312	
Approach Delay, s/veh		39.4			50.2			49.9			57.0	
Approach LOS		D			D			D			E	
Timer	1	2	3	4	5	6	7	8				
Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	19.1	39.3	20.8	40.8	19.0	39.4	31.7	29.9				
Change Period (Y+Rc), s	* 4.2	* 4.2	4.6	4.6	* 4.2	* 4.2	4.6	4.6				
Max Green Setting (Gmax), s	* 17	* 33	12.2	40.2	* 15	* 35	21.4	31.0				
Max Q Clear Time (g_c+I1), s	14.8	19.0	8.7	21.1	15.1	35.0	19.1	22.0				
Green Ext Time (p_c), s	0.1	3.5	0.1	5.3	0.0	0.1	0.2	3.3				
<b>Intersection Summary</b>												
HCM 2010 Ctrl Delay			49.1									
HCM 2010 LOS			D									
<b>Notes</b>												

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\* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.












HCM 2010 Signalized Intersection Summary  
3: Freedom Boulevard & Alta Vista Avenue

Existing+Project PM  
07/26/2022
























								
Movement	EBL	EBR	NBL	NBT	SBT	SBR		
Lane Configurations								
Traffic Volume (veh/h)	235	388	161	1225	1106	94		
Future Volume (veh/h)	235	388	161	1225	1106	94		
Number	7	14	5	2	6	16		
Initial Q (Qb), veh	0	0	0	0	0	0		
Ped-Bike Adj(A_pbT)	1.00	1.00	1.00			1.00		
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00		
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1900		
Adj Flow Rate, veh/h	255	164	175	1332	1202	93		
Adj No. of Lanes	1	1	1	2	2	0		
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92		
Percent Heavy Veh, %	2	2	2	2	2	2		
Cap, veh/h	302	270	211	2583	1878	145		
Arrive On Green	0.17	0.17	0.12	0.73	0.56	0.56		
Sat Flow, veh/h	1774	1583	1774	3632	3423	257		
Grp Volume(v), veh/h	255	164	175	1332	638	657		
Grp Sat Flow(s),veh/h/ln	1774	1583	1774	1770	1770	1817		
Q Serve(g_s), s	12.5	8.6	8.7	14.7	22.1	22.2		
Cycle Q Clear(g_c), s	12.5	8.6	8.7	14.7	22.1	22.2		
Prop In Lane	1.00	1.00	1.00			0.14		
Lane Grp Cap(c), veh/h	302	270	211	2583	998	1025		
V/C Ratio(X)	0.84	0.61	0.83	0.52	0.64	0.64		
Avail Cap(c_a), veh/h	414	369	292	2583	998	1025		
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00		
Upstream Filter(I)	1.00	1.00	0.54	0.54	1.00	1.00		
Uniform Delay (d), s/veh	36.2	34.6	38.8	5.3	13.4	13.4		
Incr Delay (d2), s/veh	11.1	2.2	7.6	0.4	3.1	3.1		
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0		
%ile BackOfQ(50%),veh/ln	7.1	7.6	4.7	7.2	11.5	11.8		
LnGrp Delay(d),s/veh	47.3	36.8	46.3	5.7	16.5	16.5		
LnGrp LOS	D	D	D	A	B	B		
Approach Vol, veh/h	419			1507	1295			
Approach Delay, s/veh	43.2			10.4	16.5			
Approach LOS	D			B	B			
Timer	1	2	3	4	5	6	7	8
Assigned Phs		2		4	5	6		
Phs Duration (G+Y+Rc), s		70.7		19.3	14.9	55.8		
Change Period (Y+Rc), s		5.0		4.0	* 4.2	5.0		
Max Green Setting (Gmax), s		60.0		21.0	* 15	41.0		
Max Q Clear Time (g_c+I1), s		16.7		14.5	10.7	24.2		
Green Ext Time (p_c), s		14.2		0.8	0.2	8.4		
<b>Intersection Summary</b>								
HCM 2010 Ctrl Delay			17.1					
HCM 2010 LOS			B					
<b>Notes</b>								

\* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.



								
Movement	WBL	WBR	NBT	NBR	SBL	SBT		
Lane Configurations								
Traffic Volume (veh/h)	179	306	1106	100	270	1006		
Future Volume (veh/h)	179	306	1106	100	270	1006		
Number	3	18	2	12	1	6		
Initial Q (Qb), veh	0	0	0	0	0	0		
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00		
Adj Sat Flow, veh/h/ln	1863	1863	1863	1900	1863	1863		
Adj Flow Rate, veh/h	195	70	1202	107	293	1093		
Adj No. of Lanes	1	1	2	0	1	2		
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92		
Percent Heavy Veh, %	2	2	2	2	2	2		
Cap, veh/h	242	216	1781	158	323	2727		
Arrive On Green	0.14	0.14	0.54	0.54	0.12	0.52		
Sat Flow, veh/h	1774	1583	3382	292	1774	3632		
Grp Volume(v), veh/h	195	70	646	663	293	1093		
Grp Sat Flow(s),veh/h/ln	1774	1583	1770	1811	1774	1770		
Q Serve(g_s), s	9.6	3.6	23.7	23.8	14.7	17.0		
Cycle Q Clear(g_c), s	9.6	3.6	23.7	23.8	14.7	17.0		
Prop In Lane	1.00	1.00		0.16	1.00			
Lane Grp Cap(c), veh/h	242	216	958	981	323	2727		
V/C Ratio(X)	0.81	0.32	0.67	0.68	0.91	0.40		
Avail Cap(c_a), veh/h	509	454	958	981	323	2727		
HCM Platoon Ratio	1.00	1.00	1.00	1.00	0.67	0.67		
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.61	0.61		
Uniform Delay (d), s/veh	37.7	35.1	14.9	14.9	38.7	9.1		
Incr Delay (d2), s/veh	6.3	0.9	3.8	3.7	19.3	0.3		
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0		
%ile BackOfQ(50%),veh/ln	5.1	1.6	12.5	12.8	8.9	8.4		
LnGrp Delay(d),s/veh	44.0	36.0	18.7	18.7	58.0	9.4		
LnGrp LOS	D	D	B	B	E	A		
Approach Vol, veh/h	265		1309			1386		
Approach Delay, s/veh	41.9		18.7			19.6		
Approach LOS	D		B			B		
Timer	1	2	3	4	5	6	7	8
Assigned Phs	1	2				6		8
Phs Duration (G+Y+Rc), s	20.6	52.9				73.5		16.5
Change Period (Y+Rc), s	* 4.2	* 4.2				* 4.2		4.2
Max Green Setting (Gmax), s	* 16	* 35				* 56		25.8
Max Q Clear Time (g_c+I1), s	16.7	25.8				19.0		11.6
Green Ext Time (p_c), s	0.0	5.7				10.1		0.7
<b>Intersection Summary</b>								
HCM 2010 Ctrl Delay			21.2					
HCM 2010 LOS			C					
<b>Notes</b>								

\* HCM 2010 computational engine requires equal clearance times for the phases crossing the barrier.

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	48	613	798	359	378	45	438	725	340	68	919	33
Future Volume (veh/h)	48	613	798	359	378	45	438	725	340	68	919	33
Number	5	2	12	1	6	16	3	8	18	7	4	14
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1863	1863	1863	1900	1863	1863	1863	1863	1863	1900
Adj Flow Rate, veh/h	48	613	755	359	378	37	438	725	183	68	919	31
Adj No. of Lanes	1	2	1	2	2	0	1	2	1	1	2	0
Peak Hour Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	185	855	778	373	802	78	444	1617	723	106	932	31
Arrive On Green	0.10	0.24	0.24	0.11	0.25	0.25	0.25	0.46	0.46	0.06	0.27	0.27
Sat Flow, veh/h	1774	3539	1583	3442	3259	317	1774	3539	1583	1774	3494	118
Grp Volume(v), veh/h	48	613	755	359	204	211	438	725	183	68	465	485
Grp Sat Flow(s),veh/h/ln	1774	1770	1583	1721	1770	1807	1774	1770	1583	1774	1770	1842
Q Serve(g_s), s	3.0	19.1	18.3	12.5	11.8	11.9	29.5	16.8	8.5	4.5	31.4	31.4
Cycle Q Clear(g_c), s	3.0	19.1	18.3	12.5	11.8	11.9	29.5	16.8	8.5	4.5	31.4	31.4
Prop In Lane	1.00		1.00	1.00		0.18	1.00		1.00	1.00		0.06
Lane Grp Cap(c), veh/h	185	855	778	373	435	444	444	1617	723	106	472	491
V/C Ratio(X)	0.26	0.72	0.97	0.96	0.47	0.47	0.99	0.45	0.25	0.64	0.99	0.99
Avail Cap(c_a), veh/h	185	855	778	373	487	497	444	1617	723	148	472	491
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	49.5	41.7	13.5	53.3	38.6	38.6	44.8	22.3	20.0	55.2	43.8	43.8
Incr Delay (d2), s/veh	0.7	5.1	25.7	38.1	0.8	0.8	39.8	0.2	0.2	6.3	37.8	37.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.5	9.9	24.4	7.9	5.9	6.1	19.4	8.2	3.8	2.4	20.3	21.1
LnGrp Delay(d),s/veh	50.2	46.9	39.2	91.4	39.4	39.4	84.6	22.5	20.2	61.5	81.5	80.7
LnGrp LOS	D	D	D	F	D	D	F	C	C	E	F	F
Approach Vol, veh/h		1416			774			1346			1018	
Approach Delay, s/veh		42.9			63.5			42.4			79.8	
Approach LOS		D			E			D			E	
Timer	1	2	3	4	5	6	7	8				
Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	17.0	33.0	34.0	36.0	16.5	33.5	11.2	58.8				
Change Period (Y+Rc), s	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0				
Max Green Setting (Gmax), s	13.0	29.0	30.0	32.0	9.0	33.0	10.0	52.0				
Max Q Clear Time (g_c+I1), s	14.5	21.1	31.5	33.4	5.0	13.9	6.5	18.8				
Green Ext Time (p_c), s	0.0	4.4	0.0	0.0	0.0	2.3	0.0	6.5				
<b>Intersection Summary</b>												
HCM 2010 Ctrl Delay			54.5									
HCM 2010 LOS			D									
<b>Notes</b>												

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User approved pedestrian interval to be less than phase max green.

**Appendix D**  
**Santa Cruz County Residential Screening Map**

**Figure 1: Residential Screening Map**

