

Traffic Engineer's Statement

The attached traffic report and supporting information were prepared under my responsible charge and they comport with the standard of care. So far as is consistent with the standard of care, said report was prepared in general conformance with the criteria established by the County for traffic reports.

Curtis D. Rowe, P.E., PE #36355

January 31, 2023

Date

Developer's Statement

t, the Developer, have read and will comply with all commitments made on my behalf within this report.

Mr. Michael Butler

Date

GWH, LLCV

6547 N Academy Boulevard Colorado Springs, Colorado 80918

January 31, 2023

Owner sign and date

GWH, LLC 6547 N Academy Boulevard Colorado Springs, Colorado 80918

Attn: Mr. Michael Butler

Manager

Re: Kristin Estates

Traffic Study Letter

El Paso County / Ellicott, Colorado

Dear Mr. Butler,

This traffic study letter has been prepared for a proposed Kristin Estates residential project to be located along the north side of State Highway 94 (SH-94), west of Ellicott Highway in El Paso County / Ellicott, Colorado. The existing property is a vacant parcel. A vicinity map illustrating the location of the property is attached as **Figure 1**. The surrounding area primarily consists of single-family homes on large 5+ acre lots. Kristin Estates is proposed to include up to 12 single family homes on 60 acres with 5-acre lots. The rezoning map is attached for reference.

This traffic letter identifies the amount of traffic associated with this proposed development and the expected project trip distribution and traffic assignment. Access will be provided by an existing private full movement access along SH-94. An auxiliary turn lane assessment of the SH-94 Access is included in this analysis per the State of Colorado Department of Transportation (CDOT) State Highway Access Code (SHAC) requirements. This study also follows El Paso County guidelines to serve as a Traffic Memorandum based on the daily trip generation being between 100 and 500 trips per day.

Kimley » Horn

This will be a private rural local road not a driveway. A to EPC standard rural cul-de-sac will be required. A Deviation under ECM 2.3.8 will be required.

Kristin Estates – Traffic Letter 196663000 Page 2

EXISTING ROADWAY NETWORK

Direct access to the development will be provided by an existing full movement private access driveway along the north side of SH-94. SH-94 extends east-west with one through lane in each direction. The posted speed limit is 50 miles per hour for eastbound traffic and 65 miles per hour for westbound traffic. SH-94 is classified by CDOT as a *Non-Rural Principal Highway* (NR-A).

This access intersection currently serves a trailer yard and other residential homes and currently operates with stop control on the northbound approach of the private roadway. Of note, there is a driveway located along the south side of SH-94 slightly misaligned to the west. The intersection does not provide auxiliary turn lanes along the State Highway. An aerial photo that illustrates the existing intersection configuration is below (north is up).



SH-94 and Private Access

The intersection lane configuration and control for this study area intersection is shown in attached **Figure 2.**

PEDESTRIAN AND BICYCLE FACILITIES REVIEW

There are no pedestrian and bicycle facilities along SH-94 or within the study area. This project is not anticipated to create the need for these alternate travel mode facilities.

PUBLIC TRANSPORTATION SERVICES FACILITY REVIEW

There is no public transportation service in this area. With the rural nature, it is believed that public transportation to serve this area is not feasible.



EXISTING AND FUTURE TRAFFIC VOLUMES

Existing vehicle turning movement counts were conducted at the SH-94 access on Thursday, January 12, 2023 during the morning and afternoon peak hours. These counts included bicycle and pedestrian volumes, although none were observed. The counts were conducted during the morning and afternoon peak hours of adjacent street traffic in 15-minute intervals from 7:00 AM to 9:00 AM and 4:00 PM to 6:00 PM on this count date. The existing intersection traffic volumes are also shown in attached **Figure 2** with count sheets attached.

According to traffic projections provided by CDOT Online Transportation Information System (OTIS), SH-94 is expected to have a 20-year growth factor of 1.2. This equates to an annual growth rate of approximately 0.9 percent. Therefore, an annual growth rate of one (1) percent was used to calculate short-term 2025 and long-term 2045 background traffic projections along SH-94. CDOT traffic projection information is attached.

TRIP GENERATION

Site-generated traffic estimates are determined through a process known as trip generation. Rates and equations are applied to the proposed land use to estimate traffic generated by the development during a specific time interval. The acknowledged source for trip generation rates is the *Trip Generation Manual*¹ published by the Institute of Transportation Engineers (ITE). ITE has established trip rates in nationwide studies of similar land uses. For this study, Kimley-Horn used the ITE Trip Generation Manual average rates that apply to Single-Family Detached Housing (ITE Code 210) for traffic associated with this development. The following **Table 1** summarizes the estimated trip generation for traffic associated with the development (calculations attached).

Weekday Vehicles Trips AM Peak Hour PM Peak Hour Daily Out Total In Out Total In Single Family Detached Housing (ITE 210) 2 6 7 114 8 4 11 12 Dwelling Units

Table 1 - Kristin Estates Traffic Generation

As shown in the table and based on ITE Trip Generation calculations, Kristin Estates is expected to generate approximately 114 weekday daily trips, with eight (8) of these trips occurring during the morning peak hour and 11 of these trips occurring during the afternoon peak hour.

TRIP DISTRIBUTION AND TRAFFIC ASSIGNMENT

Distribution of site traffic on the street system was based on the area street system characteristics, existing traffic patterns, existing and anticipated surrounding employment, school, and attraction information, and the proposed access system for the project. The directional distribution of traffic is a means to quantify the percentage of site-generated traffic that approaches the site from a given direction and departs the site back to the original source. The traffic assignment was obtained by applying the project trip distribution to the estimated traffic generation of the development shown in **Table 1. Figure 3** illustrates the trip distribution and the traffic assignment for this project.

_

¹ Institute of Transportation Engineers, *Trip Generation Manual*, Eleventh Edition, Washington DC, 2021.



TOTAL (BACKGROUND PLUS PROJECT) TRAFFIC

Site traffic volumes were added to the background volumes to represent estimated total traffic conditions for the 2025 and 2045 horizons. These total traffic volumes for the study area are illustrated for the 2025 and 2045 horizon years in **Figures 4** and **5**, respectively.

TRAFFIC OPERATIONS ANALYSIS

Kimley-Horn's analysis of traffic operations was conducted to determine potential capacity deficiencies at the project access intersection along SH-94 for the buildout 2025 year and long-term planning 2045 year. The acknowledged source for determining overall capacity is the Highway Capacity Manual². Capacity analysis results are listed in terms of Level of Service (LOS). LOS is a qualitative term describing operating conditions a driver will experience while traveling on a particular street or highway during a specific time interval. It ranges from A (very little delay) to F (long delays and congestion). For intersections and roadways, standard traffic engineering practice recommends LOS D as the minimum threshold for acceptable operations for intersections and LOS E for movements. **Table 2** below shows the definition of level of service for unsignalized intersections.

Table 2 - Level of Service Definitions

Level of Service	Unsignalized Intersection Average Total Delay (sec/veh)					
Α	≤ 10					
В	> 10 and ≤ 15					
С	> 15 and ≤ 25					
D	> 25 and ≤ 35					
E	> 35 and ≤ 50					
F	> 50					

Transportation Research Board, Highway Capacity Manual, Sixth Edition, Washington DC, 2016.

SH-94 Access

The proposed Kristin Estate project access intersection operates with stop control on the southbound access approach. As shown in the table, the intersection movements currently operate acceptably with LOS B or better. With the addition of the Kristin Estates residential project, all movements are anticipated to operate acceptably with LOS B or better during the studied peak hours throughout 2045. **Table 3** provides the results of the level of service at this intersection (calculations attached).

Table 3 - SH-94 Access LOS Results

	AM Peak	Hour	PM Peak I	Hour
Scenario	Delay (sec/veh)	LOS	Delay (sec/veh)	LOS
2023 Existing				
Eastbound Left	7.9	Α	-	-
Southbound Approach	10.0	В	9.9	Α
2025 Total				
Eastbound Left	7.9	Α	7.7	Α
Southbound Approach	10.6	В	10.1	В
2045 Total				
Eastbound Left	8.1	Α	7.8	Α
Southbound Approach	11.4	В	10.6	В

² Transportation Research Board, *Highway Capacity Manual*, Sixth Edition, Washington DC, 2016.



CDOT ACCESS PERMIT AND TURN LANE EVALAUTION

The threshold for requiring an access permit along CDOT roadways occurs when project traffic is anticipated to increase the existing access traffic volume by more than 20 percent. Based on traffic projections, the addition of project traffic on the north leg of the private access at SH-94 is anticipated to increase existing traffic volumes by more than 20 percent. Therefore, a CDOT Access Permit is anticipated to be needed at this intersection in association with this project.

Auxiliary turn lane requirements were calculated based on the State of Colorado State Highway Access Code (SHAC) for the intersection of private access at SH-94. SH-94 is categorized as NR-A: Non-Rural Principal Highway within the study limits. According to the State Highway Access Code for category NR-A roadways, the following thresholds apply for implementation of auxiliary turn lanes:

- A left turn deceleration lane with taper and storage length is required for any access with a
 projected peak hour left ingress turning volume greater than 10 vehicles per hour (vph). The
 taper length will be included within the required deceleration length.
- A right turn deceleration lane and taper length is required for any access with a projected peak
 hour right ingress turning volume greater than 25 vehicles per hour (vph). The taper length will
 be included within the required deceleration length.
- A right turn acceleration lane and taper length is required for any access with a projected peak
 hour right turning volume greater than 50 vehicles per hour (vph) when the posted speed on
 the highway is greater than 40 mph. The taper length will be included within the required
 acceleration length.

Based on these thresholds and warrants contained in the Access Code, the NR-A (Non-Rural Principal Highway) designation of SH-94, a 50-mph posted speed limit eastbound, and a 65-mph posted speed limit westbound, and the anticipated project traffic volume in 2045 are as follows:

- An eastbound left turn deceleration <u>is not</u> warranted based on the projected 2045 background
 plus project traffic being five (5) eastbound left turns during the afternoon peak hour and the
 threshold being 10 vehicles per hour.
- A westbound right turn deceleration lane <u>is not</u> warranted based on the projected 205 background plus project traffic being 2 westbound right turns during the afternoon peak hour and the threshold being 25 vehicles per hour.
- An acceleration lane for the southbound right to westbound through **is not** warranted based on the projected 2025 background plus project traffic being seven (7) southbound right turns during the peak hour and the threshold being 50 vehicles per hour.

SIGHT DISTANCE EVALUATION

It is recommended that sight triangles be provided at the site access points along SH-94 to give drivers exiting a clear view of oncoming traffic. Landscaping and objects within sight triangles must not obstruct drivers' views of the adjacent travel lanes. AASHTO standards were used along this State Highway to determine the sight distance needs. The following identifies sight distance requirements for the SH-94 Access intersection associated with the project.

With AASHTO standards and a westbound speed of 65 mph along SH-94, the sight distance for a vehicle turning right from stop is 720 feet. Therefore, all obstructions for right turning vehicles from stop should be clear to the left within the triangle created with a vertex point located 14.5 feet from the edge of the major road traveled way and a line-of-sight distance of 720 feet located in the middle of the westbound through lane along SH-94. With AASHTO standards and an eastbound speed of 50 mph along SH-94, the sight distance for a vehicle turning left from stop is 555 feet. Therefore, all obstructions for left turning vehicles from stop should be clear to the right within the triangle created with a vertex point located 14.5 feet from the edge of the major road traveled way and a line-of-sight distance of 555 feet located in the middle of the eastbound through lane along SH-94. SH-94 is straight and flat through



the access intersection. The shoulder provides much of the vertical distance needed to the driver's eye and no obstructions were noted to exist. Therefore, it is believed that the existing access along SH-94 is located to provide necessary sight distances.

CONCLUSIONS AND RECOMMENDATIONS

Based on the traffic analysis presented in this report, Kimley-Horn and Associates, Inc. believes Kristin Estates will be successfully incorporated into the existing and future roadway network. The following outlines the recommendations from our traffic analysis:

- No improvements were identified as being needed for the existing access intersection along SH-94 to provide access to Kristin Estates.
- It is anticipated that a CDOT access permit will be required in association with the project for the north leg of the private access driveway at SH-94.

If you have any questions or require anything further, please feel free to call me at (303) 228-2304.

Sincerely,

KIMLEY-HORN AND ASSOCIATES, INC.

Curtis D. Rowe, P.E., PTOE

Vice President

Figures



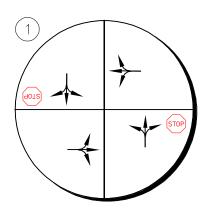


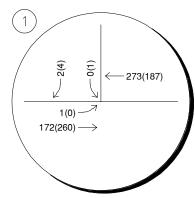
FIGURE 1
KRISTIN ESTATES
EL PASO COUNTY, COLORADO
VICINITY MAP











Thursday, January 12, 2023 7:00 to 8:00AM (4:00 to 5:00PM)

FIGURE 2 KRISTIN ESTATES EL PASO COUNTY, COLORADO EXISTING CONDITIONS



LEGEND

Study Area Key Intersection



Stop Controlled Approach



Roadway Speed Limit



Weekday AM(PM) Peak Hour Traffic Volumes



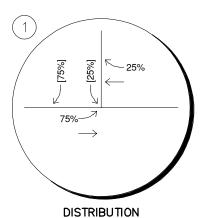


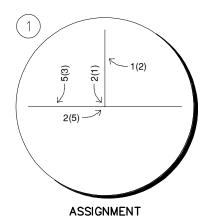
XX,X00 Estimate Daily Traffic Volumes







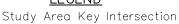




(X)

FIGURE 3 KRISTIN ESTATES EL PASO COUNTY, COLORADO PROJECT TRIP DISTRIBUTION AND ASSIGNMENT





External Trip Distribution Percentage

XX%[XX%] Entering[Exiting]
Trip Distribution Percentage

Weekday AM(PM) XXX(XXX)

Peak Hour Traffic Volumes

Estimated Daily Traffic Volume XX,X00







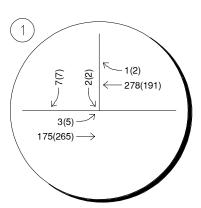


FIGURE 4 KRISTIN ESTATES EL PASO COUNTY, COLORADO 2025 TOTAL TRAFFIC VOLUMES

LEGEND



Study Area Key Intersection

XXX(XXX)

Weekday AM(PM) Peak Hour Traffic Volumes

XX,X00 Estimated Daily Traffic Volume







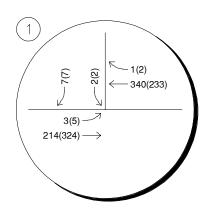


FIGURE 5 KRISTIN ESTATES EL PASO COUNTY, COLORADO 2045 TOTAL TRAFFIC VOLUMES

LEGEND



Study Area Key Intersection

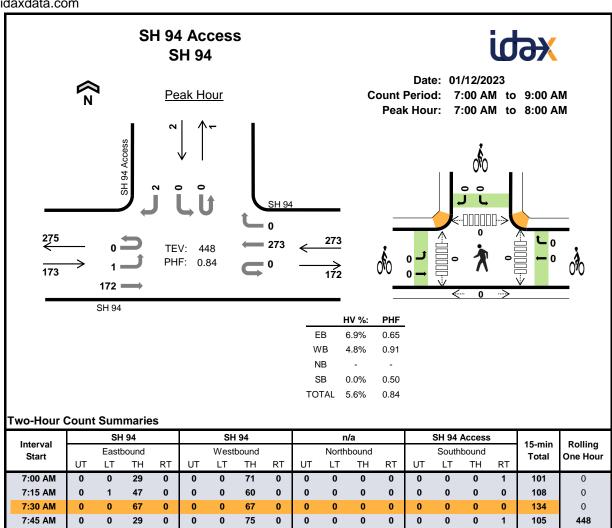
XXX(XXX)

Weekday AM(PM) Peak Hour Traffic Volumes

XX,X00 Estimated Daily Traffic Volume



Intersection Count Sheets



Inter	n rol		SH	94			SH	l 94			n	/a			SH 94	Access	3	15-min	Rolling
Sta			Eastl	oound			West	bound			North	bound			South	bound		Total	One Hour
Sie		UT	LT	TH	RT	UT	LT	TH	RT	UT	LT	TH	RT	UT	LT	TH	RT	i Otai	Offic Flour
7:00) AM	0	0	29	0	0	0	71	0	0	0	0	0	0	0	0	1	101	0
7:15	AM.	0	1	47	0	0	0	60	0	0	0	0	0	0	0	0	0	108	0
7:30) AM	0	0	67	0	0	0	67	0	0	0	0	0	0	0	0	0	134	0
7:45	AM.	0	0	29	0	0	0	75	0	0	0	0	0	0	0	0	1	105	448
8:00) AM	0	0	24	0	0	0	48	0	0	0	0	0	0	0	0	0	72	419
8:15	5 AM	0	0	17	0	0	0	43	0	0	0	0	0	0	0	0	0	60	371
8:30) AM	0	0	22	0	0	0	33	0	0	0	0	0	0	0	0	0	55	292
8:45	5 AM	0	0	19	0	0	0	32	0	0	0	0	0	0	0	0	1	52	239
Count	Total	0	1	254	0	0	0	429	0	0	0	0	0	0	0	0	3	687	0
Deele	All	0	1	172	0	0	0	273	0	0	0	0	0	0	0	0	2	448	0
Peak Hour	HV	0	0	12	0	0	0	13	0	0	0	0	0	0	0	0	0	25	0
Hour	HV%	-	0%	7%	-	-	-	5%	-	-	-	-	-	-	-	-	0%	6%	0

Note: Two-hour count summary volumes include heavy vehicles but exclude bicycles in overall count.

Interval		Heavy	Vehicle	Totals				Bicycles	;			Pedestria	ıns (Cross	ing Leg)	
Start	EB	WB	NB	SB	Total	EB	WB	NB	SB	Total	East	West	North	South	Total
7:00 AM	1	2	0	0	3	0	0	0	0	0	0	0	0	0	0
7:15 AM	4	3	0	0	7	0	0	0	0	0	0	0	0	0	0
7:30 AM	5	3	0	0	8	0	0	0	0	0	0	0	0	0	0
7:45 AM	2	5	0	0	7	0	0	0	0	0	0	0	0	0	0
8:00 AM	5	3	0	0	8	0	0	0	0	0	0	0	0	0	0
8:15 AM	4	2	0	0	6	0	0	0	0	0	0	0	0	0	0
8:30 AM	2	7	0	0	9	0	0	0	0	0	0	0	0	0	0
8:45 AM	1	5	0	0	6	0	0	0	0	0	0	0	0	0	0
Count Total	24	30	0	0	54	0	0	0	0	0	0	0	0	0	0
Peak Hr	12	13	0	0	25	0	0	0	0	0	0	0	0	0	0

Interval		SH	94			SH	94			n	/a			SH 94	Access	;	45	Dalling
Interval Start		Easth	ound			West	bound			North	bound			South	bound		15-min Total	Rolling One Hour
Otart	UT	LT	TH	RT	UT	LT	TH	RT	UT	LT	TH	RT	UT	LT	TH	RT	rotui	One riou
7:00 AM	0	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	3	0
7:15 AM	0	0	4	0	0	0	3	0	0	0	0	0	0	0	0	0	7	0
7:30 AM	0	0	5	0	0	0	3	0	0	0	0	0	0	0	0	0	8	0
7:45 AM	0	0	2	0	0	0	5	0	0	0	0	0	0	0	0	0	7	25
8:00 AM	0	0	5	0	0	0	3	0	0	0	0	0	0	0	0	0	8	30
8:15 AM	0	0	4	0	0	0	2	0	0	0	0	0	0	0	0	0	6	29
8:30 AM	0	0	2	0	0	0	7	0	0	0	0	0	0	0	0	0	9	30
8:45 AM	0	0	1	0	0	0	5	0	0	0	0	0	0	0	0	0	6	29
Count Total	0	0	24	0	0	0	30	0	0	0	0	0	0	0	0	0	54	0
Peak Hour	0	0	12	0	0	0	13	0	0	0	0	0	0	0	0	0	25	0

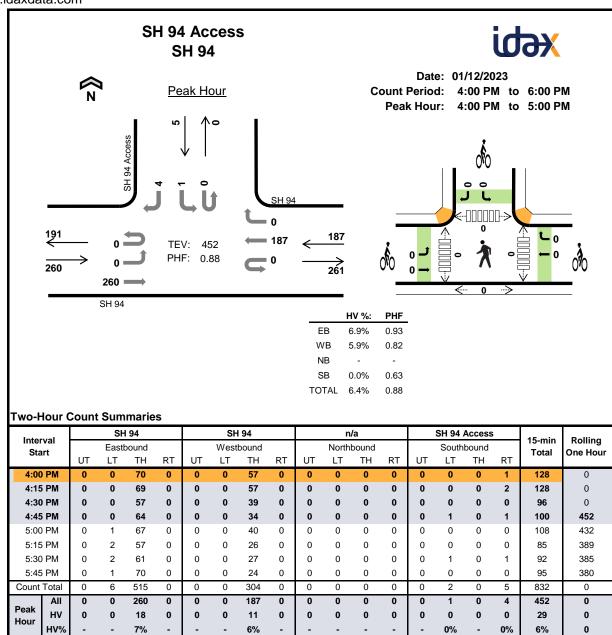
Two-Hour Count Summaries - Bikes

Interval		SH 94			SH 94			n/a		SH	l 94 Acce	ess	15-min	Rolling
Start	Е	Eastboun	d	٧	Vestbour	ıd	N	Northbour	nd	S	outhbour	nd	Total	One Hour
J.a	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT		0.101.104.1
7:00 AM	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
7:30 AM	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
8:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 AM	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
Count Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peak Hour	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Note: U-Turn volumes for bikes are included in Left-Turn, if any.

Project Manager: (720) 646-1008

Project Manager: (720) 646-1008



Interval		Heavy	Vehicle	Totals				Bicycles	;			Pedestria	ıns (Cross	ing Leg)	
Start	EB	WB	NB	SB	Total	EB	WB	NB	SB	Total	East	West	North	South	Total
4:00 PM	7	5	0	0	12	0	0	0	0	0	0	0	0	0	0
4:15 PM	3	4	0	0	7	0	0	0	0	0	0	0	0	0	0
4:30 PM	4	2	0	0	6	0	0	0	0	0	0	0	0	0	0
4:45 PM	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0
5:00 PM	9	0	0	0	9	0	0	0	0	0	0	0	0	0	0
5:15 PM	5	1	0	0	6	0	0	0	0	0	0	0	0	0	0
5:30 PM	5	2	0	0	7	0	0	0	0	0	0	0	0	0	0
5:45 PM	8	0	0	0	8	0	0	0	0	0	0	0	0	0	0
Count Total	45	14	0	0	59	0	0	0	0	0	0	0	0	0	0
Peak Hr	18	11	0	0	29	0	0	0	0	0	0	0	0	0	0

last a maral		SH	94			SH	94			n	/a			SH 94	Access		45	D. III.
Interval Start		Eastb	ound			West	bound			North	bound			South	bound		15-min Total	Rolling One Hour
Otart	UT	LT	TH	RT	UT	LT	TH	RT	UT	LT	TH	RT	UT	LT	TH	RT	Total	One riour
4:00 PM	0	0	7	0	0	0	5	0	0	0	0	0	0	0	0	0	12	0
4:15 PM	0	0	3	0	0	0	4	0	0	0	0	0	0	0	0	0	7	0
4:30 PM	0	0	4	0	0	0	2	0	0	0	0	0	0	0	0	0	6	0
4:45 PM	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4	29
5:00 PM	0	1	8	0	0	0	0	0	0	0	0	0	0	0	0	0	9	26
5:15 PM	0	2	3	0	0	0	1	0	0	0	0	0	0	0	0	0	6	25
5:30 PM	0	0	5	0	0	0	2	0	0	0	0	0	0	0	0	0	7	26
5:45 PM	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	8	30
Count Total	0	3	42	0	0	0	14	0	0	0	0	0	0	0	0	0	59	0
Peak Hour	0	0	18	0	0	0	11	0	0	0	0	0	0	0	0	0	29	0

Two-Hour Count Summaries - Bikes

Interval		SH 94			SH 94			n/a		SH	94 Acce	ess	15-min	Rolling
Start	Е	Eastboun	d	V	Vestboun	ıd	N	lorthbour	nd	S	outhbour	nd	Total	One Hour
J.a	LT	TH	RT	LT	TH	RT	LT	TH	RT	LT	TH	RT		0.101.104.1
4:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4:30 PM	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
5:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Count Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Peak Hour	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Note: U-Turn volumes for bikes are included in Left-Turn, if any.

Project Manager: (720) 646-1008

Traffic Projections

CDOT OTIS: Kristin Estates Future Traffic Projections

ROUTE	REFPT	ENDREFPT	LENGTH	UPDATEYR	AADT	YR20FACTOR	DHV	LOCATION
094A	13.095	17.1	3.993	2021	4000	1.2	11	ON SH 94 E/O PEYTON HWY CR 463

Trip Generation Worksheet



	Estates Denoration for Single-Family MAG Date Date	Detached Housing January 26, 2023	Job No. 196663000 Sheet No. of
TRIP GENERATION	MANUAL TECHNIQUES		
ITE Trip Generation	Manual 11th Edition, Avera	age Rate Equations	
Land Use Code - Si	ngle-Family Detached Hous	ing (210)	
Independent Variabl	e - Dwelling Units (X)		
X = 12 T = Average V	ehicle Trip Ends		
Peak Hour of Adjac	cent Street Traffic, One Ho	our Between 7 and 9 a.m.	(200 Series Page 220)
Average Weekday (T) = 0.70(X) (T) = 0.70 *	(12.0)	Directional Distribution T = 8 Aver 2 entering	: 26% ent. 74% exit. rage Vehicle Trip Ends 6 exiting
		2 + 6	= 8
Peak Hour of Adjac	cent Street Traffic, One Ho	our Between 4 and 6 p.m.	(200 Series Page 221)
Average Weekday (T) = 0.94(X) (T) = 0.94 *	(12.0)	Directional Distribution T = 11 Aver 7 entering	: 63% ent. 37% exit. age Vehicle Trip Ends 4 exiting
		7 + 4	= 11
Weekday (200 Serie	es Page 219)		
Average Weekday (T) = 9.43(X) (T) = 9.43 *	(12.0)	T = 114 Aver 57 entering	: 50% entering, 50% exiting rage Vehicle Trip Ends 57 exiting
		57 + 57	= 114

Level of Service Calculations

Intersection						
Int Delay, s/veh	0					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	LDL	4	1	VVDIX	¥	OBIN
Traffic Vol, veh/h	1	172	273	0	0	2
Future Vol, veh/h	1	172	273	0	0	2
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-		Stop -	None
Storage Length	-	None -	-	NOTIC -	0	None -
	- #	0	0			
Veh in Median Storage				-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	84	84	84	84	84	84
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	1	205	325	0	0	2
Major/Minor N	Major1	N	Major2	N	Minor2	
Conflicting Flow All	325	0	-	0	532	325
Stage 1	-	-	_	-	325	-
Stage 2	_	_	_	_	207	_
Critical Hdwy	4.12			_	6.42	6.22
Critical Hdwy Stg 1	4.12		_	-	5.42	0.22
		-	-		5.42	
Critical Hdwy Stg 2	2 210	-	-	-		2 210
Follow-up Hdwy	2.218	-	-		3.518	
Pot Cap-1 Maneuver	1235	-	-	-	508	716
Stage 1	-	-	-	-	732	-
Stage 2	-	-	-	-	828	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1235	-	-	-	507	716
Mov Cap-2 Maneuver	-	-	-	-	507	-
Stage 1	-	-	-	-	731	-
Stage 2	-	-	-	-	828	-
Annroach	EB		WB		SB	
Approach						
HCM Control Delay, s	0		0		10	
HCM LOS					В	
Minor Lane/Major Mvm	nt	EBL	EBT	WBT	WBR S	SBLn1
Capacity (veh/h)		1235	_	_	_	716
HCM Lane V/C Ratio		0.001	_	_	_	0.003
HCM Control Delay (s)		7.9	0	_	_	10
HCM Lane LOS		Α	A	_	_	В
HCM 95th %tile Q(veh))	0	Α		_	0
110W 75W 70W Q(VCH		U	_			U

WBT V	WBR	SBL	SBR
			JJI
	0		4
			4
			0
			Stop
		-	None
	-	0	-
) 0	_		_
	-		_
	88		88
			2
			5
NA-10		A! O	
			213
-			-
			-
-			6.22
	-		-
-	-		-
	-		
-	-		827
	-		-
-	-	755	-
	-		
-	-		827
	-		-
-	-		-
	-	755	-
WR		SB	
U			
_ EBT '	WBT	WBR S	SBLn1
' -	-	-	742
	-	-	800.0
) -	-	-	9.9
- ۱	-	-	Α
) -	-	-	0
	Major2 Major2 Major2	187	187

Intersection						
Int Delay, s/veh	0.2					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
	LDL			WDIX	Ŋ.	SUIT
Lane Configurations	2	€	7	1		7
Traffic Vol, veh/h	3	175	278	1	2	7
Future Vol, veh/h	3	175	278	1	2	7
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage	,# -	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	84	84	84	84	84	84
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	4	208	331	1	2	8
WWW.C TOW	•	200	001	•	_	J
		_		_		
	/lajor1		Major2	<u> </u>	Minor2	
Conflicting Flow All	332	0	-	0	548	332
Stage 1	-	-	-	-	332	-
Stage 2	-	-	-	-	216	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1227	_	-	-	497	710
Stage 1	-	_	_	_	727	-
Stage 2	_	_		_	820	_
Platoon blocked, %		_		_	020	
Mov Cap-1 Maneuver	1227	-	-		495	710
			-	-		
Mov Cap-2 Maneuver	-	-	-	-	495	-
Stage 1	-	-	-	-	724	-
Stage 2	-	-	-	-	820	-
Approach	EB		WB		SB	
HCM Control Delay, s	0.1		0		10.6	
HCM LOS	0.1		U		В	
HOW LOS					U	
Minor Lane/Major Mvm	t	EBL	EBT	WBT	WBR:	SBL _{n1}
Capacity (veh/h)		1227	-	-	-	648
HCM Lane V/C Ratio		0.003	_	-	-	0.017
		7.9	0	_		10.6
HCM Control Delay (s)						
HCM Lane LOS			Δ	_	_	R
HCM Control Delay (s) HCM Lane LOS HCM 95th %tile Q(veh)		A 0	A	-	-	B 0.1

Intersection						
Int Delay, s/veh	0.2					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
	LDL			WDK		SDK
Lane Configurations		<u>र्</u>	}	^	¥	7
Traffic Vol, veh/h	5	265	191	2	2	7
Future Vol, veh/h	5	265	191	2	2	7
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage	.,# -	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	88	88	88	88	88	88
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	6	301	217	2	2	8
IVIVIII I IOVV	U	301	217	2	2	U
Major/Minor N	Major1	N	Major2	N	/linor2	
Conflicting Flow All	219	0	-	0	531	218
Stage 1	-	-	-	-	218	-
Stage 2	_	_		_	313	_
Critical Hdwy	4.12	_	_	_	6.42	6.22
Critical Hdwy Stg 1		_	_	_	5.42	-
Critical Hdwy Stg 2	_			_	5.42	_
Follow-up Hdwy	2.218	_	-		3.518	3.318
		-	-			
Pot Cap-1 Maneuver	1350	-	-	-	509	822
Stage 1	-	-	-	-	818	-
Stage 2	-	-	-	-	741	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1350	-	-	-	506	822
Mov Cap-2 Maneuver	-	-	-	-	506	-
Stage 1	-	-	-	-	814	-
Stage 2	-	-	-	-	741	-
51090 =						
Approach	EB		WB		SB	
HCM Control Delay, s	0.1		0		10.1	
HCM LOS					В	
N (: /N (-: N (:		EDI	EDT	WDT	WDD	CDI1
Minor Lane/Major Mvm	I	EBL	EBT	WBT	WBR :	
Capacity (veh/h)		1350	-	-		722
HCM Lane V/C Ratio		0.004	-	-		0.014
HCM Control Delay (s)		7.7	0	-	-	10.1
HCM Lane LOS		Α	Α	-	-	В
HCM 95th %tile Q(veh))	0	-	-	-	0

Intersection						
Int Delay, s/veh	0.2					
Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		4	1		¥	JJIV
Traffic Vol, veh/h	3	214	340	1	2	7
Future Vol, veh/h	3	214	340	1	2	7
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	_	-	_	-	0	-
Veh in Median Storage,	.# -	0	0	-	0	_
Grade, %	-	0	0	_	0	_
Peak Hour Factor	84	84	84	84	84	84
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	4	255	405	1	2	8
WWW.CT TOW	•	200	100	•	_	
		_		-		
	1ajor1		Major2		Minor2	
Conflicting Flow All	406	0	-	0	669	406
Stage 1	-	-	-	-	406	-
Stage 2	-	-	-	-	263	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
	2.218	-	-	-	3.518	
Pot Cap-1 Maneuver	1153	-	-	-	423	645
Stage 1	-	-	-	-	673	-
Stage 2	-	-	-	-	781	-
Platoon blocked, %		-	-	-		
Mov Cap-1 Maneuver	1153	-	-	-	421	645
Mov Cap-2 Maneuver	-	-	-	-	421	-
Stage 1	-	-	-	-	670	-
Stage 2	-	-	-	-	781	-
J						
A	ED		WD		CD	
Approach	EB		WB		SB	
HCM Control Delay, s	0.1		0		11.4	
HCM LOS					В	
Minor Lane/Major Mvmt	t	EBL	EBT	WBT	WBR S	SBLn1
Capacity (veh/h)		1153	_	_	_	577
HCM Lane V/C Ratio		0.003	_	_	_	0.019
HCM Control Delay (s)		8.1	0	_	-	11.4
HCM Lane LOS		A	A	_	_	В
HCM 95th %tile Q(veh)		0	-	_	_	0.1
						3.1

Int Delay, s/veh Movement Lane Configurations Traffic Vol, veh/h Future Vol, veh/h Future Vol, veh/h Conflicting Peds, #/hr Sign Control RT Channelized Storage Length Veh in Median Storag Grade, % Peak Hour Factor Heavy Vehicles, % Mvmt Flow Major/Minor Conflicting Flow All Stage 1 Stage 2 Critical Hdwy Stg 1 Critical Hdwy Stg 2 Follow-up Hdwy Pot Cap-1 Maneuver Stage 1 Stage 2 Platoon blocked, % Mov Cap-1 Maneuver Mov Cap-2 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2 Platoon blocked, % Mov Cap-1 Maneuver Mov Cap-2 Maneuver Mov Cap-2 Maneuver Mov Cap-2 Maneuver Mov Cap-3 Maneuver Mov Cap-4 Maneuver Mov Cap-6 Maneuver Mov Cap-7 Maneuver Mov Cap-7 Maneuver Mov Cap-8 Maneuver Mov Cap-1 Maneuver Mov Cap-1 Maneuver Mov Cap-1 Maneuver Mov Cap-1 Maneuver Mov Cap-2 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2 Approach HCM Control Delay, s HCM LOS	nt Delay, s/veh						
Lane Configurations Traffic Vol, veh/h Future Vol, veh/h Conflicting Peds, #/hr Sign Control RT Channelized Storage Length Veh in Median Storag Grade, % Peak Hour Factor Heavy Vehicles, % Mvmt Flow Major/Minor Conflicting Flow All Stage 1 Stage 2 Critical Hdwy Stg 1 Critical Hdwy Stg 2 Follow-up Hdwy Pot Cap-1 Maneuver Stage 1 Stage 2 Platoon blocked, % Mov Cap-1 Maneuver Mov Cap-2 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2 Approach HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h)		0.2					
Lane Configurations Traffic Vol, veh/h Future Vol, veh/h Conflicting Peds, #/hr Sign Control RT Channelized Storage Length Veh in Median Storag Grade, % Peak Hour Factor Heavy Vehicles, % Mvmt Flow Major/Minor Conflicting Flow All Stage 1 Stage 2 Critical Hdwy Stg 1 Critical Hdwy Stg 2 Follow-up Hdwy Pot Cap-1 Maneuver Stage 1 Stage 2 Platoon blocked, % Mov Cap-1 Maneuver Mov Cap-2 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2 Approach HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h)	Jovement	EBL	EBT	WBT	WBR	SBL	SBR
Traffic Vol, veh/h Future Vol, veh/h Conflicting Peds, #/hr Sign Control RT Channelized Storage Length Veh in Median Storag Grade, % Peak Hour Factor Heavy Vehicles, % Mvmt Flow Major/Minor Conflicting Flow All Stage 1 Stage 2 Critical Hdwy Critical Hdwy Stg 1 Critical Hdwy Stg 2 Follow-up Hdwy Pot Cap-1 Maneuver Stage 1 Stage 2 Platoon blocked, % Mov Cap-1 Maneuver Mov Cap-2 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2 Approach HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h)		LDL			NOR		אמכ
Future Vol, veh/h Conflicting Peds, #/hr Sign Control RT Channelized Storage Length Veh in Median Storag Grade, % Peak Hour Factor Heavy Vehicles, % Mvmt Flow Major/Minor Conflicting Flow All Stage 1 Stage 2 Critical Hdwy Critical Hdwy Stg 1 Critical Hdwy Stg 2 Follow-up Hdwy Pot Cap-1 Maneuver Stage 1 Stage 2 Platoon blocked, % Mov Cap-1 Maneuver Mov Cap-2 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2 Approach HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h)		Г	4	}	2	Y	7
Conflicting Peds, #/hr Sign Control RT Channelized Storage Length Veh in Median Storag Grade, % Peak Hour Factor Heavy Vehicles, % Mvmt Flow Major/Minor Conflicting Flow All Stage 1 Stage 2 Critical Hdwy Critical Hdwy Stg 1 Critical Hdwy Stg 2 Follow-up Hdwy Pot Cap-1 Maneuver Stage 1 Stage 2 Platoon blocked, % Mov Cap-1 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2 Platoon blocked, % Mov Cap-1 Maneuver Mov Cap-2 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2 Approach HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h)		5	324	233	2	2	7
Sign Control RT Channelized Storage Length Veh in Median Storag Grade, % Peak Hour Factor Heavy Vehicles, % Mvmt Flow Major/Minor Conflicting Flow All Stage 1 Stage 2 Critical Hdwy Critical Hdwy Stg 1 Critical Hdwy Stg 2 Follow-up Hdwy Pot Cap-1 Maneuver Stage 1 Stage 2 Platoon blocked, % Mov Cap-1 Maneuver Mov Cap-1 Maneuver Stage 1 Stage 2 Platoon blocked, % Mov Cap-1 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2 Approach HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h)		5	324	233	2	2	7
RT Channelized Storage Length Veh in Median Storag Grade, % Peak Hour Factor Heavy Vehicles, % Mvmt Flow Major/Minor Conflicting Flow All Stage 1 Stage 2 Critical Hdwy Critical Hdwy Stg 1 Critical Hdwy Stg 2 Follow-up Hdwy Pot Cap-1 Maneuver Stage 1 Stage 2 Platoon blocked, % Mov Cap-1 Maneuver Mov Cap-2 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2 Approach HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h)		0	0	0	0	0	0
Storage Length Veh in Median Storag Grade, % Peak Hour Factor Heavy Vehicles, % Mvmt Flow Major/Minor Conflicting Flow All Stage 1 Stage 2 Critical Hdwy Stg 1 Critical Hdwy Stg 2 Follow-up Hdwy Pot Cap-1 Maneuver Stage 1 Stage 2 Platoon blocked, % Mov Cap-1 Maneuver Mov Cap-2 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2 Approach HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h)		Free	Free	Free	Free	Stop	Stop
Veh in Median Storag Grade, % Peak Hour Factor Heavy Vehicles, % Mvmt Flow Major/Minor Conflicting Flow All Stage 1 Stage 2 Critical Hdwy Critical Hdwy Stg 1 Critical Hdwy Stg 2 Follow-up Hdwy Pot Cap-1 Maneuver Stage 1 Stage 2 Platoon blocked, % Mov Cap-1 Maneuver Mov Cap-2 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2 Approach HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h)		-	None	-	None	-	None
Grade, % Peak Hour Factor Heavy Vehicles, % Mvmt Flow Major/Minor Conflicting Flow All Stage 1 Stage 2 Critical Hdwy Critical Hdwy Stg 1 Critical Hdwy Stg 2 Follow-up Hdwy Pot Cap-1 Maneuver Stage 1 Stage 2 Platoon blocked, % Mov Cap-1 Maneuver Mov Cap-2 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2 Approach HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h)		-	-	-	-	0	-
Peak Hour Factor Heavy Vehicles, % Mvmt Flow Major/Minor Conflicting Flow All Stage 1 Stage 2 Critical Hdwy Critical Hdwy Stg 1 Critical Hdwy Stg 2 Follow-up Hdwy Pot Cap-1 Maneuver Stage 1 Stage 2 Platoon blocked, % Mov Cap-1 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2 Approach HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h)		e,# -	0	0	-	0	-
Peak Hour Factor Heavy Vehicles, % Mvmt Flow Major/Minor Conflicting Flow All Stage 1 Stage 2 Critical Hdwy Critical Hdwy Stg 1 Critical Hdwy Stg 2 Follow-up Hdwy Pot Cap-1 Maneuver Stage 1 Stage 2 Platoon blocked, % Mov Cap-1 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2 Approach HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h)	Grade, %	-	0	0	-	0	-
Major/Minor Conflicting Flow All Stage 1 Stage 2 Critical Hdwy Critical Hdwy Stg 1 Critical Hdwy Stg 2 Follow-up Hdwy Pot Cap-1 Maneuver Stage 1 Stage 2 Platoon blocked, % Mov Cap-1 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2 Platoon blocked, % Mov Cap-1 Maneuver Mov Cap-2 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2 Approach HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h)		88	88	88	88	88	88
Major/Minor Conflicting Flow All Stage 1 Stage 2 Critical Hdwy Critical Hdwy Stg 1 Critical Hdwy Stg 2 Follow-up Hdwy Pot Cap-1 Maneuver Stage 1 Stage 2 Platoon blocked, % Mov Cap-1 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2 Approach HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h)		2	2	2	2	2	2
Major/Minor Conflicting Flow All Stage 1 Stage 2 Critical Hdwy Critical Hdwy Stg 1 Critical Hdwy Stg 2 Follow-up Hdwy Pot Cap-1 Maneuver Stage 1 Stage 2 Platoon blocked, % Mov Cap-1 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2 Approach HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h)		6	368	265	2	2	8
Conflicting Flow All Stage 1 Stage 2 Critical Hdwy Critical Hdwy Stg 1 Critical Hdwy Stg 2 Follow-up Hdwy Pot Cap-1 Maneuver Stage 1 Stage 2 Platoon blocked, % Mov Cap-1 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2 Approach HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h)	VIVIII I IOW	U	300	200			U
Conflicting Flow All Stage 1 Stage 2 Critical Hdwy Critical Hdwy Stg 1 Critical Hdwy Stg 2 Follow-up Hdwy Pot Cap-1 Maneuver Stage 1 Stage 2 Platoon blocked, % Mov Cap-1 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2 Approach HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h)							
Stage 1 Stage 2 Critical Hdwy Critical Hdwy Stg 1 Critical Hdwy Stg 2 Follow-up Hdwy Pot Cap-1 Maneuver Stage 1 Stage 2 Platoon blocked, % Mov Cap-1 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2 Approach HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h)	Major/Minor	Major1	N	Major2	N	Minor2	
Stage 2 Critical Hdwy Critical Hdwy Stg 1 Critical Hdwy Stg 2 Follow-up Hdwy Pot Cap-1 Maneuver Stage 1 Stage 2 Platoon blocked, % Mov Cap-1 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2 Approach HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h)	Conflicting Flow All	267	0	-	0	646	266
Critical Hdwy Critical Hdwy Stg 1 Critical Hdwy Stg 2 Follow-up Hdwy Pot Cap-1 Maneuver Stage 1 Stage 2 Platoon blocked, % Mov Cap-1 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2 Approach HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h)	Stage 1	-	-	-	-	266	-
Critical Hdwy Critical Hdwy Stg 1 Critical Hdwy Stg 2 Follow-up Hdwy Pot Cap-1 Maneuver Stage 1 Stage 2 Platoon blocked, % Mov Cap-1 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2 Approach HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h)	Stage 2	-	-	-	-	380	-
Critical Hdwy Stg 1 Critical Hdwy Stg 2 Follow-up Hdwy Pot Cap-1 Maneuver Stage 1 Stage 2 Platoon blocked, % Mov Cap-1 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2 Approach HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h)		4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 2 Follow-up Hdwy Pot Cap-1 Maneuver Stage 1 Stage 2 Platoon blocked, % Mov Cap-1 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2 Approach HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h)		_	-		_	5.42	_
Follow-up Hdwy Pot Cap-1 Maneuver Stage 1 Stage 2 Platoon blocked, % Mov Cap-1 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2 Approach HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h)		_	_	_	_	5.42	_
Pot Cap-1 Maneuver Stage 1 Stage 2 Platoon blocked, % Mov Cap-1 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2 Approach HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h)		2.218	_	_	_		3.318
Stage 1 Stage 2 Platoon blocked, % Mov Cap-1 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2 Approach HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h)		1297	_	_	_	436	773
Stage 2 Platoon blocked, % Mov Cap-1 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2 Approach HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h)	•	1277	_	_	_	779	- 113
Platoon blocked, % Mov Cap-1 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2 Approach HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h)			-	-			-
Mov Cap-1 Maneuver Mov Cap-2 Maneuver Stage 1 Stage 2 Approach HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h)		-	-	-	-	691	-
Mov Cap-2 Maneuver Stage 1 Stage 2 Approach HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h)		4007	-	-	-	400	770
Stage 1 Stage 2 Approach HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h)	•	1297	-	-	-	433	773
Stage 2 Approach HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h)		-	-	-	-	433	-
Approach HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h)	Stage 1	-	-	-	-	774	-
HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h)	Stage 2	-	-	-	-	691	-
HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h)							
HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h)		ΓВ		WD		CD	
HCM LOS Minor Lane/Major Mvr Capacity (veh/h)	Innroach	EB		WB		SB	
Minor Lane/Major Mvr Capacity (veh/h)		0.1		0		10.6	
Capacity (veh/h)	HCM Control Delay, s					В	
Capacity (veh/h)	HCM Control Delay, s						
Capacity (veh/h)	HCM Control Delay, s					14/00	CDI n1
	HCM Control Delay, s HCM LOS	nt	FRI	FRT	WRT	WBR '	יוו ומכ
HOW LAIR VIC KALLO	HCM Control Delay, s HCM LOS Minor Lane/Major Mvr	nt	EBL	EBT	WBT	WBR :	
HCM Control Dolov &	HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h)	nt	1297	-	-	-	658
	HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h) HCM Lane V/C Ratio		1297 0.004	-	-	-	658 0.016
	HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h) HCM Lane V/C Ratio HCM Control Delay (s		1297 0.004 7.8	- - 0	- -	- - -	658 0.016 10.6
HCM 95th %tile Q(vel	HCM Control Delay, s HCM LOS Minor Lane/Major Mvr Capacity (veh/h) HCM Lane V/C Ratio HCM Control Delay (s HCM Lane LOS)	1297 0.004	-	-	-	658 0.016

Conceptual Site Plan

