

City of Albuquerque

Planning Department Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 1/2016)

Project Title: La Cuentista	Building Permit #:	Hydrology File #:
DRB#:		
Legal Description: Tract B-1 and B-2 of La Cuent	ista Subdivision	
City Address: North of Rosa Parks between Unser a	and Paseo del Norte	
Applicant: Pulte Homes		Contact: Kevin Patton
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Phone#: _505-341-8591	Fax#: 505-761-9850	E-mail: Kevin.Patton@PulteGroup.com
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Address: 7500 Jefferson		
Phone#: <u>505-798-7859</u>	Fax#: 505-798-7988	E-mail: ewrage@bhinc.com
Check all that Apply:		
DEPARTMENT:	TYPE OF AP	PROVAL/ACCEPTANCE SOUGHT:
HYDROLOGY/ DRAINAGE	BUILDIN	IG PERMIT APPROVAL
X TRAFFIC/ TRANSPORTATION MS4/ EROSION & SEDIMENT CONTROL	CERTIFI	CATE OF OCCUPANCY
M34/ EROSION & SEDIMENT CONTROL		G/ESC PERMIT APPROVAL
TYPE OF SUBMITTAL:		
AS-BUILT CERTIFICATION	× PRELIMI	NARY PLAT APPROVAL
	SITE PLA	AN FOR SUB'D APPROVAL
CONCEPTUAL G & D PLAN	SITE PLA	AN FOR BLDG. PERMIT APPROVAL
GRADING PLAN	FINAL P	LAT APPROVAL
DRAINAGE MASTER PLAN		
DRAINAGE REPORT	SIA/ REI	EASE OF FINANCIAL GUARANTEE
CLOMR/LOMR		ATION PERMIT APPROVAL
	SO-19 A	
TRAFFIC CIRCULATION LAYOUT (TCL)		PERMIT APPROVAL
X TRAFFIC IMPACT STUDY (TIS)	GRADIN	G/ PAD CERTIFICATION
NEIGHBORHOOD IMPACT ASSESMENT (1		RDER APPROVAL
	CLOMR/	
EROSION & SEDIMENT CONTROL PLAN		
OTHER (SPECIFY)	· · ·	SIGN MEETING?
	OTHER	(SPECIFY)
IS THIS A RESUBMITTAL?: Yes _X No		SI ECIF 1)
DATE SUBMITTED: July 27, 2021	$_{ m By:}$ Eric Wrage	
COA STAFF: ELECTRONIC SUBMITTAL RECEIVED: _	FEE RECEIVED:	

LA CUENTISTA

TRAFFIC IMPACT ANALYSIS

INITIAL SUBMITTAL

JULY 27, 2021

Prepared For:

Pulte Homes 7601 Jefferson St NE, Suite 320 Albuquerque, NM 87109

HT# D10D002 received 7/27/2021

Prepared By:

Bohannan A Huston

Engineering
Spatial Data
Advanced Technologies



LA CUENTISTA TRAFFIC IMPACT ANALYSIS

INITIAL SUBMITTAL

Date:

July 27, 2021

Prepared by:

Bohannan Huston, Inc.

7500 Jefferson St NE Courtyard Two Albuquerque, NM 87109

Prepared for:

Pulte Homes

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Date

TABLE OF CONTENTS

l.	INTI	RODU	CTION AND SUMMARY	, 1
	A.	Stud	y Purpose	. 1
	B.	Exec	utive Summary	, 1
		1.	Site Location and Study Area	. 1
		2.	Principal Findings	. 2
		3.	Recommendations	. 2
II.	PRO	OPOSI	ED DEVELOPMENT	. 6
	A.	Lanc	Use and Intensity	. 6
	B.	Deve	elopment Phasing and Timing	. 6
III.	STU	DY AF	rea conditions	. 6
	A.	Stud	y Area	. 6
	B.	Site /	Accessibility	. 6
	C.	Dato	sources	. 7
IV.	EXIS	sting	CONDITIONS ANALYSIS	.8
	A.	Back	ground	.8
		1.	Adjacent Roadways	.8
		2.	Multi-Modal Conditions	.9
	B.	Existi	ng Traffic Conditions	. 9
		1.	Approved Development	.9
	C.	Leve	of Service Definitions	0
	D.	Existi	ng Intersection Capacity Analysis	0
V.	PRO	OJEC1	ED TRAFFIC	3
	A.	Site 7	raffic Forecasting	3
		1.	Trip Generation	3
		2.	Trip Distribution and Assignment	4
		3.	Traffic Projections	4
VI.	TRA	AFFIC .	AND IMPROVEMENT ANALYSIS	7
		1.	No Build Intersection Capacity Analysis	7
		2.	Build Intersection Capacity Analysis	21
VII.	CO	NCIL	ISIONS AND RECOMMENDATIONS	25

A.	Conclusions	25
B.	Recommendations	25
	FIGURES	
Figure 1	1 Vicinity Map	4
Figure 2	2 Site Plan	5
Figure 3	3 Existing Traffic Volumes	12
Figure 4	4 Trip Distribution Percentages	15
Figure 5	5 Trip Assignment Volumes	16
Figure 6	6 No Build Traffic Volumes	20
Figure 7	7 Build Traffic Volumes	24
	TABLES	
Table 1	LOS Definitions	10
Table 2	Existing Unsignalized Intersection Results	11
Table 3	Trip Generation	13
Table 4	2024 No Build Signalized Intersection Results	18
Table 5	2024 No Build Unsignalized Intersection Results	19
Table 6	2024 Build Signalized Intersection Results	21
Table 7	2024 Build Unsignalized Intersection Results	23

APPENDICES

Appendix A Existing Data

Appendix B 2019 Existing Intersection Capacity Analysis

Appendix C Turning Movement Development

Appendix D 2024 No Build Intersection Capacity Analysis

Appendix E 2024 Build Intersection Capacity Analysis

I. INTRODUCTION AND SUMMARY

Pulte Homes proposes to develop approximately 59.08 acres, situated southeast of the Paseo del Norte and Unser intersection. The proposed development will include 244 single -family residential units.

A. STUDY PURPOSE

The purpose of the traffic study is to determine the impacts of the proposed development on the surrounding roadway network, evaluate the operation of the proposed site entrances, and to recommend any mitigation measures that may be necessary to support additional traffic generated by the new development.

B. EXECUTIVE SUMMARY

1. SITE LOCATION AND STUDY AREA

The site is located southeast of the Paseo del Norte and Unser intersection in Albuquerque, New Mexico. A vicinity map and site plan are shown in Figure 1, and the proposed site plan of the future development is shown in Figure 2.

The study area consists of the following intersections:

- Paseo del Norte and Kimmick Drive (existing 3-way intersection with existing signal bagged/turned off, future signalized intersection)
- Unser Blvd and Rosa Parks (existing 3-way unsignalized intersection)
- Rosa Parks and Azucena (existing 3-way unsignalized intersection, future 4-way unsignalized intersection)
- Rosa Parks and Redroot (existing 3-way unsignalized intersection, future 4-way unsignalized intersection)

The intersection evaluations include analysis for the AM and PM peak hours for the following traffic conditions:

- Existing traffic (2019)
- 2024 Completion Year without the proposed site development (2024 No Build)
- 2024 Completion Year with proposed site development (2024 Build)

Due to the impact of approved additional development within the study area, for Paseo del Norte and Kimmick Drive, the intersection evaluation include analysis for the AM and PM peak hours with the following conditions.

• Existing traffic (2019 unsignalized intersection)

- Existing traffic (2019 signalized intersection)
- 2024 Completion Year without the proposed site development, without the Cliffs development (2024 No Build_ Without Cliffs)
- 2024 Completion Year without the proposed site development, with the Cliffs development (2024 No Build_ With Cliffs)
- 2024 Completion Year with the proposed site development, without the Cliffs development (2024 Build_ Without Cliffs)
- 2024 Completion Year with the proposed site development, with the Cliffs development (2024 Build_ With Cliffs)

2. PRINCIPAL FINDINGS

The traffic analysis found that all intersections operate overall acceptably in the Existing conditions.

The total trips for the future Cliffs on Paseo development significantly impact the adjacent Paseo del Norte and Kimmick Drive intersection. For both the 2024 No Build and 2024 Build studies, the intersection of Paseo del Norte and Kimmick Drive operates at overall acceptable levels of service. Under these conditions, not including the Cliffs on Paseo development, a signal was not warranted.

For the evaluations with the Cliffs development included, the exiting minor street northbound left movement at Paseo del Norte and Kimmick does not operate at an acceptable level of service in either the 2024 No Build nor the 2024 Build scenario. For these conditions where the Cliffs on Paseo development is included, a traffic signal was warranted.

In the Build scenario, the exiting minor street westbound left and right movements at Unser Boulevard and Rosa Parks Road do not operate at acceptable conditions in both the AM and PM peak hours for 1-stage left turns. The Unser and Rosa Parks intersection operates at acceptable levels of service for the 2-stage, 2024 Build analysis. This intersection does not warrant a traffic signal analysis.

The intersections of Rosa Parks and Azucena, and Rosa Parks and Redroot operate at acceptable levels of service for all conditions including Existing, 2024 No Build and 2024 Build scenarios.

3. RECOMMENDATIONS

- All designs shall satisfy the Manual on Uniform Traffic Control Devices (MUTCD) and the City of Albuquerque requirements.
- Since a signal is only warranted at the Paseo del Norte and Kimmick Drive intersection when the traffic generated from the Cliffs on Paseo

development is included, it is not recommended to turn on the existing signal at this time.



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LA CUENTISTA CITY OF ALBUQUERQUE SITE TRAFFIC ANALYSIS

FIGURE 1 VICINITY MAP



LA CUENTISTA CITY OF ALBUQUERQUE SITE TRAFFIC ANALYSIS

FIGURE 2 SITE PLAN

II. PROPOSED DEVELOPMENT

A. LAND USE AND INTENSITY

The proposed development is a 244-unit single family residential development on approximately 59.08 acres.

The development is situated at the southeast corner of Paseo del Norte and Unser. The study area is partially developed. The Cliffs on Paseo development, Sonata Apartments, and Ventana Ranch Retail are approved developments to the north and northeast of the La Cuentista development. There is also established residential zones in the surrounding area.

B. DEVELOPMENT PHASING AND TIMING

The project is expected to be developed by 2024, phasing is not anticipated.

III. STUDY AREA CONDITIONS

A. STUDY AREA

The study area consists of the following intersections:

- Paseo del Norte and Kimmick Drive (existing 3-way intersection with existing signal bagged/turned off, future signalized intersection)
- Unser Blvd and Rosa Parks (existing 3-way unsignalized intersection)
- Rosa Parks and Azucena (existing 3-way unsignalized intersection, future 4-way unsignalized intersection)
- Rosa Parks and Redroot (existing 3-way unsignalized intersection, future 4-way unsignalized intersection)

B. SITE ACCESSIBILITY

The development will have access via two future driveways. The primary driveway will be located at the Rosa Parks-Azucena intersection, and the secondary driveway is to be located at the Rosa Parks-Redroot intersection. Both Azucena and Redroot are existing 3-way intersections, future 4-way intersections.

The primary routes to the site are anticipated to be either Paseo del Norte or Unser Boulevard.

C. DATA SOURCES

The data used in this report consist of the traffic volumes described below, aerial photography and mapping from Google Earth®, information is provided by the Projected Turning Movements Worksheets for the Cliffs on Paseo development dated 2017, the Cliffs on Paseo TIA dated 2017 as well as information provided by TAQA Traffic Counts, and Streetlight.

IV. EXISTING CONDITIONS ANALYSIS

A. BACKGROUND

Roadway federal classification is updated approximately every four years. The classification process involves local governments, the Mid Region Council of Governments (MRCOG), New Mexico Department of Transportation (NMDOT), and the Federal Highway Administration (FHWA). The 2016 MRCOG Roadway Functional Classification Map classifies roadways based on their function. Roadways are subject to design guidance based on their functional classification, design speed, or based on Comprehensive Plan corridor designations.

1. ADJACENT ROADWAYS

The following are adjacent roadways:

- Paseo del Norte is a principal arterial with 2 lanes west of Kimmick and 4 lanes east of Kimmick. The transition segment from 4 lanes to 2 lanes is located just to the west of the Paseo-Kimmick intersection. Therefore, this intersection was evaluated with two through lanes in each direction on Paseo del Norte. There is an existing signal at this intersection however, it is not currently in use/turned on. Paseo del Norte provides regional connectivity within Albuquerque, serving as a river crossing east of the study area. To the west, Paseo del Norte turns into Atrisco Vista and heads south to connect with I-40. The posted speed limit for Paseo del Norte is 35 miles per hour (MPH) Sidewalks and bicycle lanes are not present on Paseo del Norte in this area. The City DMD has a project NMDOT CN A300261, to widen Paseo del Norte from west of Kimmick to the west to Universe.
- Unser Blvd is a principal arterial, currently with one lane in each direction, as well as curb and gutter along the east side of the roadway. Unser has a posted speed limit of 35 MPH. Unser provides regional connectivity within the greater Albuquerque area, serving as a link between major/minor roadways which travel east-west directions, including I-40, Paseo del Norte, Central Ave, Paseo del Volcan, Norther and Southern Blvd. The City DMD has a partially funded project, MPO#465.3/NMDOT CNA300304 Unser Boulevard Gap Widening Phase 2 Kimmick Drive to Paradise Boulevard, that will widen Unser to 4 lanes, including on-street bicycles lanes. Due to the uncertainty of the construction timeline this project, Unser Boulevard was evaluated as a 2-lane road as it is today, in all scenarios.
- Rosa Parks is a major collector with one lane in each direction and a two-way left-turn lane to the southwest of Azucena. Rosa Parks has a posted speed limit

of 30 MPH. Rosa Parks has paved, separated multi-use facilities on the south side of the roadway.

- Kimmick Drive is a minor collector with one lane in each direction and a posted speed limit of 30 MPH. Kimmick is an undivided roadway with curb and gutter along the west side of the roadway. No sidewalk or bike paths exist on this roadway.
- The future Cliffs on Paseo Development, located at the southwest corner of Paseo del Norte and Kimmick Drive, is expected to have a significant impact on the adjacent transportation system. This will be discussed in more detail later in the report.

2. MULTI-MODAL CONDITIONS

Sidewalks and bicycle lanes are not present on Paseo del Norte in this area. The City of Albuquerque Bike Map identifies future bicycle lanes on Paseo del Norte and a future paved trail on the north side of Paseo del Norte west of Ventana West.

Unser, Rosa Parks, and Kimmick do not currently have any type of multi-use trails.

B. EXISTING TRAFFIC CONDITIONS

The NMDOT has developed guidelines for Alternative Means to Develop Base Turning Movements Volumes for Traffic Impact Studies During COVID-19 Times, released October 5, 2020. These guidelines provide three (3) methods to develop traffic counts for use in traffic studies. This analysis utilizes Method 2 as reliable link volume data from MRCOG and Streetlight Data for Unser and Paseo del Norte. TAQA does not report data for Rosa Parks or Kimmick, and Streetlight Data was considered unreliable due to small sample sizes. Existing traffic for the existing subdivisions was estimated by counting the houses, developing trip generation, and distributing those trips onto the existing roadway network, similar to a normal traffic study.

1. APPROVED DEVELOPMENT

The area surrounding La Cuentista is the future Cliffs on Paseo development as offices (general and medical/dental), residential apartments and retail buildings. This development is located southwest of the Paseo del Norte and Kimmick Drive intersection.

The total trips for the future Cliffs on Paseo development are included in the 2024 No Build and 2024 Build volumes as approved development. Since this development has not yet started construction, the scenarios for 2024 No Build and 2024 Build are also evaluated without including the trips generated by the future Cliffs on Paseo.

In addition, traffic from the Sonata Apartments and Ventana Ranch Commercial projects was also included in the background traffic.

C. LEVEL OF SERVICE DEFINITIONS

The Highway Capacity Manual Sixth Edition (HCM) defines Level of Service (LOS) for un-signalized intersections in Table 1 as follows:

	Table 1 LOS Definitions											
Level of Service	Definition	Signalized (sec/veh)	Unsignalized (sec/veh)									
Α	Most vehicles do not stop	<10	<10									
В	Some vehicles stop	>10 and <20	>10 and <15									
С	Significant numbers of vehicles stop	>20 and <35	>15 and <25									
D	Many vehicles stop	>35 and <55	>25 and <35									
Е	Limit of acceptable delay	>55 and <80	>35 and <50									
F	Unacceptable delay	>80	>50									

The City of Albuquerque has established LOS D as the generally acceptable level of service in urban areas. When intersections operate below this level, improvements are considered, where feasible. Other critical movements are also desired to have LOS D or better if possible.

D. EXISTING INTERSECTION CAPACITY ANALYSIS

The existing intersections traffic volume were analyzed using Highway Capacity Software version 7 (HCS7), which uses the intersection methodology from the Sixth Edition of the Highway Capacity Manual (HCM). Individual intersection output for the existing conditions analysis is included in Appendix B. The results are summarized in Table 2.

The one-way stop-controlled intersections of Paseo del Norte and Kimmick Drive, and Unser Boulevard and Rosa Parks Road both operate at acceptable levels of service in the AM and PM peak hours for 1-stage left turns. For 1-stage left turns, the vehicle will wait for a gap large enough in both directions of travel before turning.

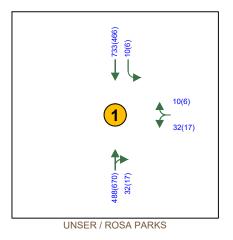
For 2-stage left turns, the vehicle will cross into the median and wait until it can merge with the same directional traffic. This type of movement helps decrease the delay time per vehicle and generate a better level of service, however it is acknowledged that not all drivers are comfortable with this maneuver.

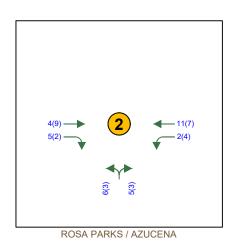
The 2-stage analysis for the intersections of Paseo del Norte and Kimmick Drive, plus Unser Boulevard and Rosa Parks Road was not necessary as both operate at

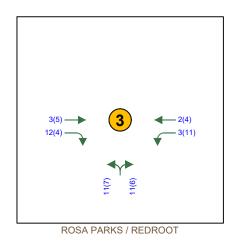
acceptable levels of service in the AM and PM peak hours with 1-stage left turns in existing conditions.

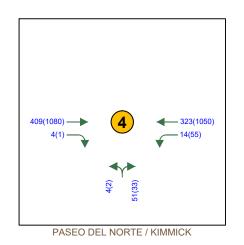
The existing westbound left, northbound left and right movements at intersections of Rosa Parks Road and Azucena Place, and Rosa Parks Road and Redroot Road operate at acceptable levels of service in the AM and PM peak hours.

Table 2 Existing Unsignalized Intersection Results										
		2019 A	M Peak		2019 PM Peak					
Intersection/Movement	Delay (sec)	V/C	Queue* (ft)	LOS	Delay (sec)	V/C	Queue* (ft)	LOS		
Paseo & Kimmick (1-Stage) Westbound Left Northbound Left Northbound Right	11.3 33.2 14.1	0.03 0.03 0.12	25 25 25	B D B	8.4 24.7 9.8	0.05 0.01 0.05	25 0 25	A C A		
Unser & Rosa Parks (1-Stage) Westbound Left & Right Southbound Left	29.4 8.6	0.24	25 0	D A	23.5 9.2	0.11	25 0	C A		
Rosa Parks & Azucena Westbound Left Northbound Left & Right	7.2 8.6	0.00	0 0	A A	7.2 8.5	0.00	0	A A		
Rosa Parks & Redroot Vestbound Left 7.2 0.00 0 A 7.3 0.01 0 A Northbound Left & Right 8.6 0.02 25 A 8.6 0.01 0 A * - HCM 95th percentile gueue rounded to next 25-foot increment										











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FIGURE 3
EXISTING TRAFFIC VOLUMES

V. PROJECTED TRAFFIC

A. SITE TRAFFIC FORECASTING

1. Trip Generation

Generated trips are broken down into three types; 1) primary, 2) pass-by trips, and 3) diverted link. The Trip Generation report defines these trips as follows:

- Primary Trips These trips are made for the specific purpose of visiting the generator. The stop at that generator is the primary reason for the trip. For example, a home to shopping to home combination of trips is a primary trip set.
- Pass-by Trips These trips are made as intermediate stops on the way
 from an origin to a primary trip generation. Pass-by trips are attracted
 from the traffic passing the site on an adjacent street that contains direct
 access to the generator site. These trips do not require a diversion from
 another roadway. For example, stopping at the store on the way home
 from work is an example of a pass-by trip. No pass-by trips we used in this
 analysis.
- Diverted Linked Trips These trips are attracted from the traffic volume on the roadway within the vicinity of the generator, but which require a diversion from that roadway to another roadway to gain access to the site. The roadways could include streets or freeways adjacent to the generator, but without access to the generator. For this study, the diverted link trips have been included in with the primary trips.

This study evaluates primary trips only.

The trip generation based on the 10th Edition of the Institute of Transportation engineer's (ITE) Trip Generation Manual is shown in Table 3 below with the following considerations. The trip generation is based on the peak hour of the adjacent street traffic.

Table 3 Trip Generation											
Land Use	ITE Code	Size	Daily	AM Enter	AM Exit	PM Enter	PM Exit				
Single Family Detached 210 244 2362 44 134 239 89											

2. TRIP DISTRIBUTION AND ASSIGNMENT

The trip distribution was determined using a modified gravity model that considered a region-wide travel shed for employment trips. As the development is residential, standard traffic analysis assumes the trips in the peak hour to be primarily employment trips, so the destinations for the AM trips are employment locations, with the origins the site. In the PM peak hour, the destination is the site, and the origins are the employment locations.

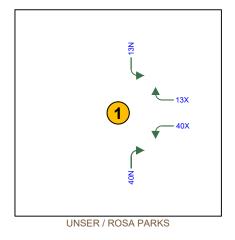
The gravity model uses the locations of employment, which are weighted by the number of jobs in the Subareas in the Albuquerque Metropolitan area divided by their distance from the site. This means that employment locations closer to the site are considered more likely, with those farther away to be less likely, depending on how many jobs are in each Subarea.

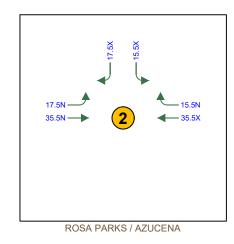
The gravity model utilized socioeconomic data obtained from the Mid Region Council of Governments (MRCOG), which included population and employment estimates for each subarea within the Albuquerque Metropolitan Planning Area to develop the trip distribution.

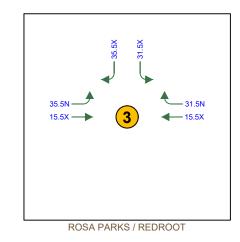
Spreadsheets showing the development of the trip distribution are included in Appendix C. The trip distribution percentages and assigned traffic volumes is shown in Figure 4 and Figure 5.

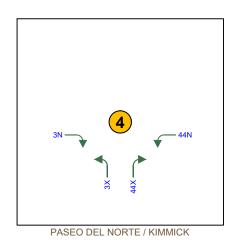
3. TRAFFIC PROJECTIONS

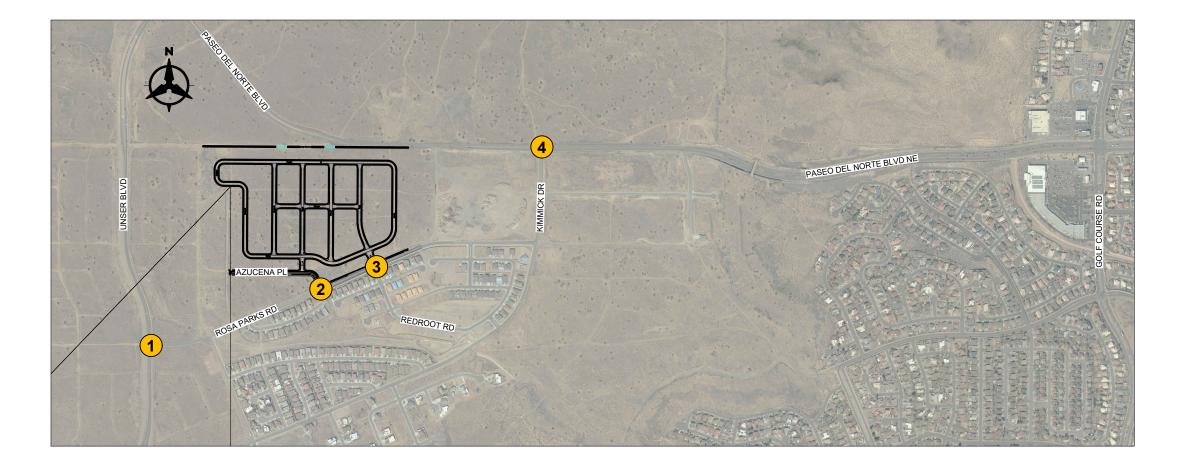
A background growth rate of 3.5% was applied to provide an estimate of potential future growth of traffic at all intersections evaluated. The growth rate determination and data are summarized in the spreadsheets included in Appendix C. Figure 6 on page 20 shows the 2024 No Build traffic volumes. Figure 7 on page 24 shows the 2024 No Build traffic volumes.











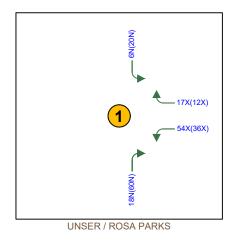
LEGEND Thru Lanes (# as indicated) Turning Lanes (# as indicated) 1234(1234) Trip Assignment Percentages

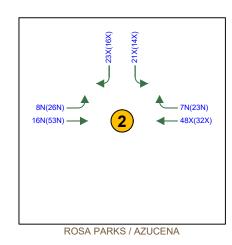
Entering

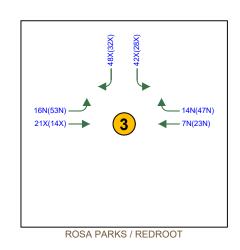
Exiting

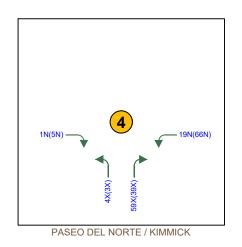
FIGURE 4 TRIP DISTRIBUTION PERCENTAGES

LA CUENTISTA CITY OF ALBUQUERQUE SITE TRAFFIC ANALYSIS

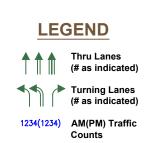














LA CUENTISTA CITY OF ALBUQUERQUE SITE TRAFFIC ANALYSIS

FIGURE 5
TRIP ASSIGNMENT VOLUMES

VI. TRAFFIC AND IMPROVEMENT ANALYSIS

The following section will discuss the results of the future year traffic analysis. The intersection capacity analysis was completed using HCS7 which implements the Highway Capacity Manual procedures.

1. NO BUILD INTERSECTION CAPACITY ANALYSIS

The 2024 No Build analysis consists of two scenarios; 1) without the proposed Cliffs Development, and 2) with Cliffs Development included. Table 4 and Table 5 show the 2024 No Build results. The HCS output is included in Appendix D. As mentioned, the large number of trips resulting from the Cliff's development substantially affects operation of the Kimmick and Paseo del Norte intersection.

The unsignalized intersection of Paseo del Norte and Kimmick Drive was evaluated for two no build conditions including one analysis with the Cliffs Development and the other without the development. Since there is an existing painted median at this intersection, these two conditions were modeled for both 1-stage and 2-stage left turns. For the condition with the Cliffs development excluded, all approaches operate at acceptable levels of service. When the traffic generated from the Cliffs on Paseo development is included, the northbound left movement operates poorly.

Due to the poor operation, a peak hour traffic signal warrant analysis was performed for the intersections of Paseo del Norte and Kimmick Drive.

The peak hour traffic signal warrant analysis for the intersection of Paseo del Norte and Kimmick Drive was performed for both conditions, with and without the Cliffs Development traffic volumes. Each condition was evaluated for both 1-stage and 2-stage left turns. For 1-stage left turns, the vehicle will wait for a gap large enough in both directions of travel before turning. For 2-stage left turns, the vehicle will cross into the median and wait until it can merge with same directional traffic. This type of movement helps decrease the delay time per vehicle and generate a better level of service.

The analysis excluding the Cliffs Development does not warrant a traffic signal. For the condition which includes the additional traffic due to the Cliffs Development, the scenario did warrant a signal for both 1-stage and 2-stage left turns. A copy of the peak hour traffic signal warrant analysis is included in Appendix E.

The analysis found the signalized intersection of Paseo del Norte and Kimmick Drive operates at overall acceptable levels of service in the AM and PM peak hours for both scenarios. A copy of the peak hour traffic signal warrant analysis is included in Appendix E.

Under the condition with the Proposed Cliffs Development, the signalized intersection of Paseo del Norte and Kimmick Drive operate with an increased delay and lower

level of service for the eastbound and westbound approaches compared to the study excluding the Cliffs Development. A copy of the peak hour traffic signal warrant analysis is included in Appendix E.

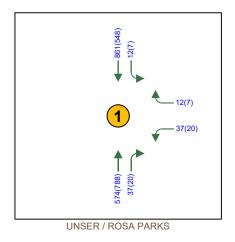
Table 4 2024 No Build Signalized Intersection Results										
Intersection	20	24 AM P	eak	2024 PM Peak						
intersection	Delay	LOS	Max V/C	Delay	LOS	Max V/C				
Paseo & Kimmick (w/out Cliffs)										
Eastbound Thru & Right	6.4	Α	0.544	5.9	Α	0.233				
Westbound Left	18.4	В	0.107	4.8	Α	0.119				
Westbound Thru	2.1	Α	0.148	2.9	Α	0.490				
Northbound Left	33.7	С	0.039	29.7	С	0.024				
Northbound Right	34.0	С	0.475	26.5	С	0.225				
Paseo & Kimmick (w/Cliffs)										
Eastbound Thru & Right	11.5	В	0.539	16.1	В	0.319				
Westbound Left	26.4	С	0.092	11.7	В	0.547				
Westbound Thru	3.2	Α	0.124	10.2	В	0.602				
Northbound Left	34.6	С	0.042	28.2	С	0.331				
Northbound Right	31.5	С	0.437	26.0	С	0.069				

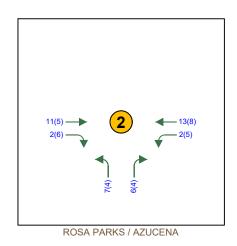
The unsignalized intersection of Unser and Rosa Parks was modeled for both 1-stage and 2-stage left turns. For AM and PM peak hour, the 2024 No Build westbound left and right turn volumes operate below acceptable levels of service for 1-stage type turns. However, when this same scenario is evaluated using 2-stage left turns, all approaches operate at acceptable levels of service.

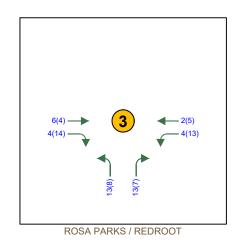
The peak hour traffic signal warrant analysis for the intersection of Unser Boulevard and Rosa Park Road was evaluated for both 1-stage and 2-stage left turns. This intersection does not warrant a traffic signal. A copy of the peak hour traffic signal warrant analysis is included in Appendix E.

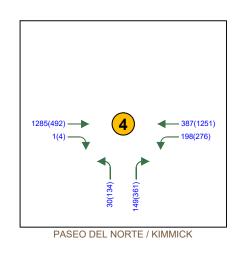
The unsignalized intersections of Rosa Parks and Azucena as well as Rosa Parks and Red Root operate at acceptable levels of service in the 2024 No Build condition.

Table 5 2024 No Build Unsignalized Intersection Results									
	2024 AM Peak 2024 PM Peak								
Intersection/Movement	Delay (sec)	V/C	Queue* (ft)	LOS	Delay (sec)	V/C	Queue* (ft)	LOS	
Paseo & Kimmick (w/out Cliffs,									
1-Stage)				_					
Westbound Left	12.7	0.04	25	В	8.8	0.07	25	Α	
Northbound Left	48.5	0.05	25	E	33.0	0.02	25	D	
Northbound Right	16.4	0.17	25	С	10.2	0.06	25	В	
Paseo & Kimmick (w/out Cliffs,									
2-Stage)				_					
Westbound Left	12.7	0.04	25	В	8.8	0.07	25	Α	
Northbound Left	27.6	0.03	25	D	19.1	0.01	0	С	
Northbound Right	16.4	0.17	25	С	10.2	0.06	25	В	
Paseo & Kimmick (w/Cliffs,									
1-Stage)			0.5				0.5		
Westbound Left	18.2	0.44	25	С	10.0	0.29	25	A	
Northbound Left	450.1	1.19	25	F	1055.5	2.95	25	F	
Northbound Right	21.2	0.42	25	С	15.6	0.54	25	С	
Paseo & Kimmick (w/Cliffs,									
2-Stage)	100	0 4 4	0.5		100	0.00	0.5		
Westbound Left	18.2	0.44	25	С	10.0	0.29	25	A	
Northbound Left	48.1	0.28	25	E	188.6	1.14	25	F	
Northbound Right	21.2	0.42	25	С	15.6	0.54	25	С	
Unser & Rosa Parks (1-Stage)	45.7	0.00	٥٢	_	01.0	0.10	0.5		
Westbound Left & Right	45.7	0.38	25	E	31.9	0.18	25	D	
Southbound Left	8.9	0.01	0	Α	9.7	0.01	0	Α	
Unser & Rosa Parks (2-Stage)	00.0	0.10	٥٢		10.0	0.10	0.5		
Westbound Left & Right	20.9	0.19	25	C	18.8	0.10	25	C	
Northbound Left	8.9	0.01	0	Α	9.7	0.01	0	Α	
Rosa Parks & Azucena	7.0	0.00	0		7.0	0.00			
Westbound Left	7.2	0.00	0	A	7.2	0.00	0	A	
Northbound Left & Right	8.6	0.01	25	Α	8.5	0.01	0	Α	
Rosa Parks & Redroot	7.0	0.00			7.0	0.01			
Westbound Left	7.2	0.00	0 25	A	7.3	0.01	0	A	
Northbound Left & Right	8.6	1		. A	8.6	0.02	0	Α	
* – HCM 95 th percentile queue rounde	ed to nex	t 25-foo	ot increme	ent					











Thru Lanes (# as indicated)

Turning Lanes (# as indicated)

1234(1234) AM(PM) Traffic Counts

X(X) AM(PM) Level of Service (LOS)



LA CUENTISTA CITY OF ALBUQUERQUE SITE TRAFFIC ANALYSIS

FIGURE 6 2024 NO BUILD TRAFFIC VOLUMES

2. BUILD INTERSECTION CAPACITY ANALYSIS

The trips generated by the site (Table 3) were assigned to the intersections using the trip percentages and associated volumes, shown in Figure 4 and Figure 5. These trips were added to the 2024 No Build traffic projections shown in Appendix C. The 2024 Build capacity analysis is shown in Table 6 and Table 7. The individual intersection output is included in Appendix E.

The peak hour traffic signal warrant analysis for the intersection of Paseo del Norte and Kimmick Drive was performed for both conditions, with and without the Cliffs Development traffic volumes. Each condition was evaluated for both 1-stage and 2-stage left turns. A copy of the peak hour traffic signal warrant analysis is included in Appendix E.

The analysis, excluding the Cliffs Development, does not warrant a traffic signal. For the condition including the additional traffic due to the Cliffs Development, a signal was warranted for both 1-stage and 2-stage left turns. In light of this information, activating of the existing traffic signal is likely needed upon development of the Cliff's project, but is not needed for La Cuentista if the Cliff's project is not present. A copy of the peak hour traffic signal warrant analysis is included in Appendix E.

The analysis found the signalized intersection of Paseo del Norte and Kimmick Drive operates at overall acceptable levels of service in the AM and PM peak hours, for both scenarios.

Table 6 2024 Build Signalized Intersection Results								
Intersection	20	024 AM I	Peak	20	024 PM	Peak		
mersection	Delay	LOS	Max V/C	Delay	LOS	Max V/C		
Paseo & Kimmick (w/out Cliffs)								
Eastbound Thru & Right	8.7	Α	0.579	7.0	Α	0.246		
Westbound Left	19.2	В	0.199	5.5	Α	0.238		
Westbound Thru	2.8	Α	0.153	3.4	Α	0.499		
Northbound Left	33.2	С	0.049	29.7	С	0.042		
Northbound Right	33.3	С	0.567	26.2	С	0.343		
Paseo & Kimmick (w/Cliffs)								
Eastbound Thru & Right	14.5	В	0.658	18.9	В	0.343		
Westbound Left	28.6	С	0.853	13.3	В	0.651		
Westbound Thru	4.1	Α	0.161	11.2	В	0.607		
Northbound Left	34.1	С	0.136	29.0	С	0.320		
Northbound Right	31.0	С	0.570	25.8	С	0.688		

The unsignalized intersection of Paseo del Norte and Kimmick Drive was evaluated for two 2024 Build conditions, with one analysis including the Cliffs Development, and the other without the Cliffs Development. Since there is an existing painted median at this intersection, these two conditions were modeled for both 1-stage and 2-stage left turns. For the condition with the Cliffs development excluded, all approaches operate

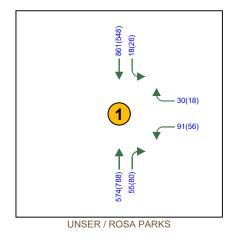
at acceptable levels of service for the 2-stage analysis. When the traffic generated from the Cliffs on Paseo development is included, the northbound left movement operates poorly.

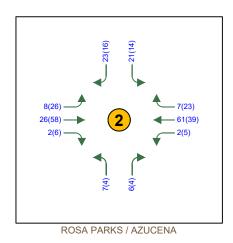
The unsignalized intersection of Unser and Rosa Parks was modeled for both 1-stage and 2-stage left turns. For AM and PM peak hour, the 2024 Build westbound left and right turn volumes operate below acceptable levels of service for 1-stage type turns. However, when this same scenario is evaluated using 2-stage left turns, all approaches operate at acceptable levels of service.

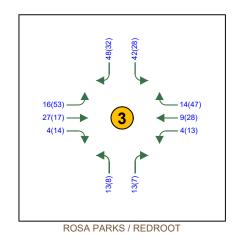
The peak hour traffic signal warrant analysis for the intersection of Unser Boulevard and Rosa Park Road was evaluated for both 1-stage and 2-stage left turns. This intersection does not warrant a traffic signal. A copy of the peak hour traffic signal warrant analysis is included in Appendix E.

The unsignalized intersections of Rosa Parks and Azucena, as well as Rosa Parks and Red Root operate at acceptable levels of service in the 2024 Build condition.

Table 7 2024 Build Unsignalized Intersection Results										
		2024 A	AM Peak			2024 P	M Peak			
Intersection/Movement	Delay (sec)	V/C	Queue* (ft)	LOS	Delay (sec)	V/C	Queue* (ft)	LOS		
Paseo & Kimmick (w/out Cliffs,										
1-Stage)										
Westbound Left	13.1	0.08	25	В	9.1	0.14	25	Α		
Northbound Left	56.9	0.11	25	F	44.5	0.06	25	E		
Northbound Right	19.2	0.34	25	С	10.6	0.12	25	В		
Paseo & Kimmick (w/out Cliffs, 2-Stage)										
Westbound Left	13.1	0.08	25	В	9.1	0.14	25	Α		
Northbound Left	28.8	0.05	25	D	22.7	0.03	25	С		
Northbound Right	19.2	0.34	25	С	10.6	0.12	25	В		
Paseo & Kimmick (w/Cliffs,										
1-Stage)										
Westbound Left	19.3	0.49	25	С	10.5	0.36	25	В		
Northbound Left	638.3	1.57	25	F	1676.7	4.21	25	F		
Northbound Right	27.1	0.59	25	D	17.1	0.60	25	С		
Paseo & Kimmick (w/Cliffs,										
2-Stage)										
Westbound Left	19.3	0.49	25	С	10.5	0.36	25	В		
Northbound Left	54.7	0.34	25	F	348.9	1.50	25	F		
Northbound Right	27.1	0.59	25	D	17.1	0.60	25	С		
Unser & Rosa Parks (1-Stage)										
Westbound Left & Right	133.5	0.97	25	F	59.0	0.57	25	F		
Southbound Left	9.0	0.02	25	Α	10.2	0.04	25	В		
Unser & Rosa Parks (2-Stage)										
Westbound Left & Right	29.7	0.48	25	D	23.8	0.30	25	С		
Northbound Left	9.0	0.02	25	Α	10.2	0.04	25	В		
Rosa Parks & Azucena										
Eastbound Left	7.4	0.01	0	Α	7.4	0.02	25	Α		
Westbound Left	7.3	0.00	0	Α	7.4	0.00	0	Α		
Northbound Approach	9.0	0.02	0	Α	9.3	0.01	0	Α		
Southbound Approach	9.2	0.05	25	Α	9.3	0.04	25	Α		
Rosa Parks & Redroot										
Eastbound Left	7.3	0.01	0	Α	7.5	0.04	25	Α		
Westbound Left	7.3	0.00	0	Α	7.3	0.01	0	Α		
Northbound Approach	9.1	0.03	25	Α	9.6	0.02	25	Α		
Southbound Approach	9.2	0.10	25	Α	9.7	0.08	25	Α		
* – HCM 95 th percentile queue round	led to ne	ext 25-	foot increr	ment						







1285(492) 4 387(1251)
3(9) 217(342)

PASEO DEL NORTE / KIMMICK



Thru Lanes (# as indicated)

Turning Lanes (# as indicated)

1234(1234) AM(PM) Traffic Counts

X(X) AM(PM) Level of Service (LOS)



LA CUENTISTA CITY OF ALBUQUERQUE SITE TRAFFIC ANALYSIS

FIGURE 7 2024 BUILD TRAFFIC VOLUMES

VII. CONCLUSIONS AND RECOMMENDATIONS

A. CONCLUSIONS

The traffic analysis found that all intersections operate overall acceptably with Existing conditions.

The total trips for the future Cliffs on Paseo development significantly impact the adjacent Paseo del Norte and Kimmick Drive intersection. For both the 2024 No Build and 2024 Build studies, the intersection of Paseo del Norte and Kimmick Drive operates at acceptable levels of service. Under these conditions, not including the Cliffs on Paseo development, a signal was not warranted.

For the evaluations with the Cliffs development included, the northbound left movement at Paseo del Norte and Kimmick does not operate at an acceptable level of service in the 2024 No Build and 2024 Build scenarios. For these conditions where the Cliffs on Paseo development is included, a traffic signal was warranted.

In the Build the westbound left and right movements at Unser Boulevard and Rosa Parks Road do not operate acceptably in either the AM or PM peak hours for 1-stage left turns. The Unser and Rosa Parks intersection does operate at acceptable levels of service for the 2-stage, 2024 Build analysis. This intersection does not warrant an analysis.

The intersections of Rosa Parks and Azucena and Rosa Parks and Redroot operate at acceptable levels of service for all conditions including Existing, 2024 No Build and 2024 Build scenarios.

B. RECOMMENDATIONS

- All designs shall satisfy the Manual on Uniform Traffic Control Devices (MUTCD) and City of Albuquerque requirements.
- Since a signal is warranted at the Paseo del Norte and Kimmick Drive intersection only when the traffic generated from the Cliffs on Paseo development is included, it is not recommended to turn on the existing signal at this time. Application of signalization without the Cliffs on Paseo development is unwarranted.

APPENDIX A EXISTING DATA

4/27/2021 8:38:51 AM

MRCOG Traffic Counts
Summary Statistics
See notes, bottom of report

	Count Type	Vol	Vol	ΛC	NC	NC	NC	Vol	ΛC	Vol	Nol	Nol	ΛC	Vol	Nol	۸C	Ω	۸C	ΛC	Vol	Vol	۸C	ΛC	ΛC	Vol	Vol	Vol	Vol	Vol	Vol
	Count Quality	 	-	-	-	_	F	-	F	-	-	-	-	_	-	-	F	-	F	⊢	-	-	_	_	-	-	F	-	⊢	⊢
	Pk Dir	≥	≥	≥	≥	≥	ш	ш	≥	≥	≥	≥	≥	≥	z	z	z	z	z	z	z	z	တ	≥	≥	≥	≥	≥	≥	≥
_	Split	0.78	99.0	99.0	0.63	09.0	69.0	09.0	99.0	69.0	29.0	0.61	0.65	09.0	0.65	0.58	0.62	0.57	0.59	09.0	0.53	0.54	0.74	0.75	29.0	0.65	0.64	9.02	0.62	29.0
PM Peak Hour	% Daily	10.58	9.12	7.82	8.24	8.13	7.34	8.52	8.46	9.65	9.28	8.05	7.71	9.09	10.10	7.51	8.12	8.11	7.83	9.25	8.54	8.26	09.9	8.01	8.43	9.01	8.43	9.03	8.44	7.48
PM Pe	Volume	1,531	1,475	1,357	970	1,125	1,090	1,450	1,313	1,265	1,185	1,417	1,386	1,687	852	663	981	1,165	1,136	1,032	1,299	1,310	829	1,005	1,203	968	1,117	1,074	1,171	996
	Time Begin	1730	1700	1630	1645	1645	1700	1700	1630	1700	1600	1600	1615	1630	1700	1615	1530	1630	1630	1645	1700	1700	1545	1715	1630	1645	1700	1700	1700	1745
	Pk Dir	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ဟ	တ	တ	z	တ	ဟ	ဟ	ဟ	တ	ш	ш	ш	ш	ш	ш	ш
1	Split	0.73	92.0	0.82	0.80	0.81	0.87	0.84	62.0	0.75	0.85	0.77	0.77	0.78	0.62	0.58	0.55	0.55	09.0	0.65	69.0	0.57	0.80	0.74	0.78	0.81	92.0	0.78	0.80	0.83
AM Peak Hour	% Daily	7.14	8.90	7.89	5.98	7.77	7.42	6.29	5.86	7.45	6.37	8.72	7.61	89.9	9.57	7.80	8.67	90.8	8.41	9.26	9.36	8.05	7.77	9.17	7.56	5.33	6.21	7.14	6.59	6.31
AM P	Volume	1,033	1,438	1,370	704	1,075	1,102	1,070	910	226	814	1,535	1,368	1,240	807	889	1,048	1,157	1,221	1,033	1,424	1,277	1,011	1,151	1,078	530	823	849	914	815
	Time V Begin	200	630	645	645	200	200	630	200	200	545	645	630	200	200	930	715	730	645	645	645	200	930	630	630	645	200	200	645	645
n 2	吉	≥	>	>	>	≥	≥	>	≥	≥	≥	>	>	≥	ဟ	S	တ	တ	S	တ	တ	S	တ	>	>	>	≥	≥	>	≥
Direction 2	Daily /olume	7,945	7,934	8,250	5,568	6,182	4,062	7,899	7,552	6,821	6,213	8,356	8,882	8,720	4,030	4,322	5,762	6,944	7,213	2,697	8,276	7,801	8,523	6,442	7,061	4,968	6,558	990'9	6,883	6,244
	ä	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	ш	z	z	z	z	z	z	z	z	z	ш	ш	ш	ш	ш	ш	ш
Direction 1	Daily Volume	6,521	8,232	9,104	6,205	7,654	10,780	9,124	7,974	6,292	6,563	9,248	9,088	9,844	4,403	4,502	6,322	7,413	7,302	5,462	6,932	8,066	4,491	6,107	7,202	4,974	6,692	5,823	6,984	8,678
	Total Volume	14,466	16,166	17,354	11,773	13,836	14,842	17,023	15,526	13,113	12,776	17,604	17,970	18,564	8,433	8,824	12,084	14,357	14,515	11,159	15,208	15,867	13,014	12,549	14,263	9,942	13,250	11,889	13,867	12,922
	Count Date	4/1/2009	5/7/2013	3/15/2016	4/27/2020	9/1/2020	3/30/2021	3/11/2019	6/15/2020	3/1/2009	3/12/2012	3/17/2015	3/5/2018	3/9/2021	4/30/2012	5/7/2013	4/14/2015	4/6/2021	4/10/2018	5/7/2013	4/14/2015	4/6/2021	4/10/2018	5/7/2013	3/15/2016	4/27/2020	8/11/2020	11/3/2020	3/30/2021	3/11/2019
			-	n	4	0,	en .	n	9		en en	က			4		4		4	-	4		4		es .	4		_	co	က
	Location Description	WEST OF KIMMICK	WEST OF GOLF COURSE RD.	NORTH OF ROSA PARKS	SW OF PASEO DEL NORTE	N.E. OF PASEO DEL NORTE	WEST OF UNSER																							
	Route Name	PASEO DEL NORTE	PASEO DEL NORTE	PASEO DEL NORTE	PASEO DEL NORTE	PASEO DEL NORTE	UNSER BLVD.	UNSER BLVD.	UNSER BLVD.	UNSER BLVD.	UNSER BLVD.	UNSER BLVD.	UNSER BLVD.	UNSER BLVD.	UNSER BLVD.	PASEO DEL NORTE														
	COGID	250842	250842	250842	250842	250842	250842	250842	250842	250862	250862	250862	250862	250862	207931	207932	207932	207932	207932	207941	207941	207941	207941	206552	206552	206552	206552	206552	206552	206552

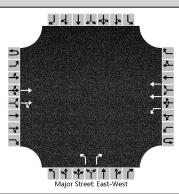
- 1. Daily volumes are averages for a 24 hour period.
- 2. AM Peak Period: 6 AM to 9 AM; PM Peak Period: 3 PM to 6 PM.
- 3. Peak hours are defined by the maximum hourly 2-way volume occuring during the peak period.
 - 4. 'Time Begin' is the beginning time of the peak hour (24 hour military time)
- 5. Peak hour % is the percentage of 2-way volume appearing in the peak hour.

- Dir Split' is the directional split: the percentage of the 2-way peak hour volume traveling in the peak direction.
 Pk Dir' indicates the peak direction. E.g., 'F means "Eastbound'.
 Count Quality is defined by NMDOT and MRCOG count standards. 'T' indicates a good count. 'Q' indicates a count that meets NMDOT standards but does not meet MRCOG standards. 'F' indicates a bad count.
- 9. 'Count Type': 'Vol' refers to a regular volume tube count; 'VC' refers to a vehicle classification count.

APPENDIX B 2019 EXISTING INTERSECTION CAPACITY ANALYSIS

HCS7 Two-Way Stop-Control Report											
General Information		Site Information									
Analyst	MG	Intersection	Paseo and Kimmick								
Agency/Co.	вні	Jurisdiction	COA								
Date Performed	5/5/2021	East/West Street	Paseo del Norte								
Analysis Year	2019	North/South Street	Kimmick								
Time Analyzed	EXIST_2019_AM PEAK	Peak Hour Factor	0.92								
Intersection Orientation	East-West	Analysis Time Period (hrs)	0.25								
Project Description La Cuentista (1-stage)											

Lanes



Vehicle Volumes and Ad	justme	nts															
Approach		Eastbound			Westbound			Northbound					Southbound				
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	R	
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12	
Number of Lanes	0	0	2	0	0	1	2	0		1	0	1		0	0	0	
Configuration			Т	TR		L	Т			L		R					
Volume (veh/h)			1080	1	0	14	323			4		51					
Percent Heavy Vehicles (%)					2	2				2		2					
Proportion Time Blocked																	
Percent Grade (%)										0							
Right Turn Channelized										Ν	lo						
Median Type Storage		Undivided															
Critical and Follow-up H	eadwa	ys															
Base Critical Headway (sec)						4.1				7.5		6.9					
Critical Headway (sec)						4.14				6.84		6.94					
Base Follow-Up Headway (sec)						2.2				3.5		3.3					
Follow-Up Headway (sec)						2.22				3.52		3.32					
Delay, Queue Length, an	d Leve	l of S	ervice														
Flow Rate, v (veh/h)	Т					15			П	4		55					
Capacity, c (veh/h)						590				132		453					
v/c Ratio						0.03				0.03		0.12					
95% Queue Length, Q ₉₅ (veh)					Ì	0.1				0.1		0.4					
Control Delay (s/veh)						11.3				33.2		14.1					
Level of Service (LOS)						В				D		В					
Approach Delay (s/veh)					0.5			15.5									
Approach LOS					Ì				С								

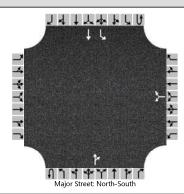
HCS7 Two-Way Stop-Control Report										
General Information		Site Information								
Analyst	MG	Intersection	Paseo and Kimmick							
Agency/Co.	вні	Jurisdiction	COA							
Date Performed	5/5/2021	East/West Street	Paseo del Norte							
Analysis Year	2019	North/South Street	Kimmick							
Time Analyzed	EXIST_2019_PM PEAK	Peak Hour Factor	0.92							
Intersection Orientation	East-West	Analysis Time Period (hrs)	0.25							
Project Description	La Cuentista (1-stage)									

Lanes



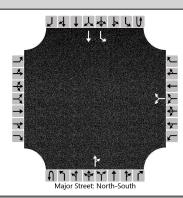
Vehicle Volumes and Adj	ustme	nts															
Approach	Eastbound			Westbound			Northbound				Southbound						
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	R	
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12	
Number of Lanes	0	0	2	0	0	1	2	0		1	0	1		0	0	0	
Configuration			Т	TR		L	Т			L		R					
Volume (veh/h)			409	4	0	55	1050			2		33					
Percent Heavy Vehicles (%)					2	2				2		2					
Proportion Time Blocked																	
Percent Grade (%)						-				ı)						
Right Turn Channelized									No								
Median Type Storage		Undivided															
Critical and Follow-up He	eadwa	ys															
Base Critical Headway (sec)						4.1				7.5		6.9					
Critical Headway (sec)						4.14				6.84		6.94					
Base Follow-Up Headway (sec)						2.2				3.5		3.3					
Follow-Up Headway (sec)						2.22				3.52		3.32					
Delay, Queue Length, and	d Leve	l of S	ervice														
Flow Rate, v (veh/h)	Π					60				2		36					
Capacity, c (veh/h)						1108				185		779					
v/c Ratio						0.05				0.01		0.05					
95% Queue Length, Q ₉₅ (veh)						0.2				0.0		0.1					
Control Delay (s/veh)						8.4				24.7		9.8					
Level of Service (LOS)						А				С		Α					
Approach Delay (s/veh)					0.4			10.7									
Approach LOS								В									

	HCS7 Two-Way Stop	o-Control Report								
General Information		Site Information								
Analyst	MG	Intersection	Unser and Rosa Parks							
Agency/Co.	вні	Jurisdiction	COA							
Date Performed	5/5/2021	East/West Street	Rosa Parks							
Analysis Year	2019	North/South Street	Unser Blvd							
Time Analyzed	EXIST_2019_AM PEAK	Peak Hour Factor	0.92							
Intersection Orientation	North-South	Analysis Time Period (hrs)	0.25							
Project Description	La Cuentista									



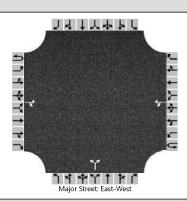
Vehicle Volumes and Ad	justme															
Approach		Eastk	oound			Westl	oound			North	bound			South	bound	
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	0	0		0	1	0	0	0	1	0	0	1	1	0
Configuration							LR					TR		L	Т	
Volume (veh/h)						32		10			488	32		10	733	
Percent Heavy Vehicles (%)						2		2						2		
Proportion Time Blocked																
Percent Grade (%)						(0									
Right Turn Channelized																
Median Type Storage				Undi	vided											
Critical and Follow-up H	eadwa	ys														
Base Critical Headway (sec)						7.1		6.2						4.1		
Critical Headway (sec)						6.42		6.22						4.12		
Base Follow-Up Headway (sec)						3.5		3.3						2.2		
Follow-Up Headway (sec)						3.52		3.32						2.22		
Delay, Queue Length, an	d Leve	l of S	ervice													
Flow Rate, v (veh/h)	T						46							11		
Capacity, c (veh/h)							193							1007		
v/c Ratio							0.24							0.01		
95% Queue Length, Q ₉₅ (veh)							0.9							0.0		
Control Delay (s/veh)							29.4							8.6		
Level of Service (LOS)			Ì				D							А		
Approach Delay (s/veh)					29.4							0.1				
Approach LOS					D											

	HCS7 Two-Way Stop	o-Control Report	
General Information		Site Information	
Analyst	MG	Intersection	Unser and Rosa Parks
Agency/Co.	вні	Jurisdiction	COA
Date Performed	5/5/2021	East/West Street	Rosa Parks
Analysis Year	2019	North/South Street	Unser Blvd
Time Analyzed	EXIST_2019_PM PEAK	Peak Hour Factor	0.92
Intersection Orientation	North-South	Analysis Time Period (hrs)	0.25
Project Description	La Cuentista (1-stage)		



Approach		Easth	ound			Westl	oound			North	bound			South	bound	
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	0	0		0	1	0	0	0	1	0	0	1	1	0
Configuration							LR					TR		L	Т	
Volume (veh/h)						17		6			670	17		6	466	
Percent Heavy Vehicles (%)						2		2						2		
Proportion Time Blocked																
Percent Grade (%))									
Right Turn Channelized																
Median Type Storage				Undi	vided											
Critical and Follow-up H	eadwa	ys														
Base Critical Headway (sec)						7.1		6.2						4.1		
Critical Headway (sec)						6.42		6.22						4.12		
Base Follow-Up Headway (sec)						3.5		3.3						2.2		
Follow-Up Headway (sec)						3.52		3.32						2.22		
Delay, Queue Length, an	d Leve	l of S	ervice													
Flow Rate, v (veh/h)							25							7		
Capacity, c (veh/h)							219							862		
v/c Ratio							0.11							0.01		
95% Queue Length, Q ₉₅ (veh)							0.4							0.0		
Control Delay (s/veh)							23.5							9.2		
Level of Service (LOS)							С							А		
Approach Delay (s/veh)				23.5							0.1					
Approach LOS					С											

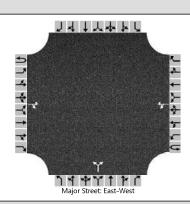
	HCS7 Two-Way Sto	op-Control Report								
General Information		Site Information								
Analyst	MG	Intersection	Rosa Parks and Azucena							
Agency/Co.	BHI	Jurisdiction	COA							
Date Performed	5/5/2021	East/West Street	Rosa Parks							
Analysis Year	2019	North/South Street	Azucena							
Time Analyzed	EXIST_2019_AM PEAK	Peak Hour Factor	0.92							
Intersection Orientation	East-West	Analysis Time Period (hrs)	0.25							
Project Description	La Cuentista									



Vehicle Volumes and Adj	ustme	nts														
Approach		Eastb	ound			Westl	oound			North	bound			South	bound	
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	1	0	0	0	1	0		0	1	0		0	0	0
Configuration				TR		LT					LR					
Volume (veh/h)			9	2		2	11			6		5				
Percent Heavy Vehicles (%)						2				2		2				
Proportion Time Blocked																
Percent Grade (%)										()					
Right Turn Channelized																
Median Type Storage				Undi	vided											
Critical and Follow-up H	eadwa	ys														
Base Critical Headway (sec)						4.1				7.1		6.2				
Critical Headway (sec)						4.12				6.42		6.22				
Base Follow-Up Headway (sec)						2.2				3.5		3.3				
Follow-Up Headway (sec)						2.22				3.52		3.32				
Delay, Queue Length, an	d Leve	l of S	ervice													
Flow Rate, v (veh/h)						2					12					
Capacity, c (veh/h)						1607					1023					
v/c Ratio						0.00					0.01					
95% Queue Length, Q ₉₅ (veh)						0.0					0.0					
Control Delay (s/veh)						7.2					8.6					
Level of Service (LOS)						А					Α					
Approach Delay (s/veh)	1.1				.1		8.6									
Approach LOS										,	4					

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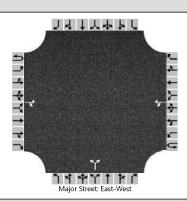
	HCS7 Two-Way Stop	o-Control Report	
General Information		Site Information	
Analyst	MG	Intersection	Rosa Parks and Azucena
Agency/Co.	вні	Jurisdiction	COA
Date Performed	5/5/2021	East/West Street	Rosa Parks
Analysis Year	2019	North/South Street	Azucena
Time Analyzed	EXIST_2019_PM PEAK	Peak Hour Factor	0.92
Intersection Orientation	East-West	Analysis Time Period (hrs)	0.25
Project Description	La Cuentista		



Vehicle Volumes and Adj	ustme	nts														
Approach		Eastb	oound			Westl	oound			North	bound			South	bound	
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	1	0	0	0	1	0		0	1	0		0	0	0
Configuration				TR		LT					LR					
Volume (veh/h)			4	5		4	7			3		3				
Percent Heavy Vehicles (%)						2				2		2				
Proportion Time Blocked																
Percent Grade (%))					
Right Turn Channelized																
Median Type Storage				Undi	vided											
Critical and Follow-up H	eadwa	ys														
Base Critical Headway (sec)						4.1				7.1		6.2				
Critical Headway (sec)						4.12				6.42		6.22				
Base Follow-Up Headway (sec)						2.2				3.5		3.3				
Follow-Up Headway (sec)						2.22				3.52		3.32				
Delay, Queue Length, an	d Leve	l of S	ervice	•												
Flow Rate, v (veh/h)						4					7					
Capacity, c (veh/h)						1610					1031					
v/c Ratio						0.00					0.01					
95% Queue Length, Q ₉₅ (veh)						0.0					0.0					
Control Delay (s/veh)						7.2					8.5					
Level of Service (LOS)						Α					Α					
Approach Delay (s/veh)	2.6							8	.5							
Approach LOS										,	4					

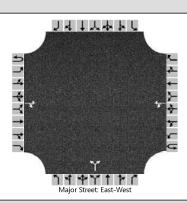
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	HCS7 Two-Way Stop	o-Control Report								
General Information		Site Information								
Analyst	MG	Intersection	Rosa Parks and Redroot							
Agency/Co.	вні	Jurisdiction	COA							
Date Performed	5/5/2021	East/West Street	Rosa Parks							
Analysis Year	2019	North/South Street	Redroot							
Time Analyzed	EXIST_2019_AM PEAK	Peak Hour Factor	0.92							
Intersection Orientation	East-West	Analysis Time Period (hrs)	0.25							
Project Description	La Cuentista									



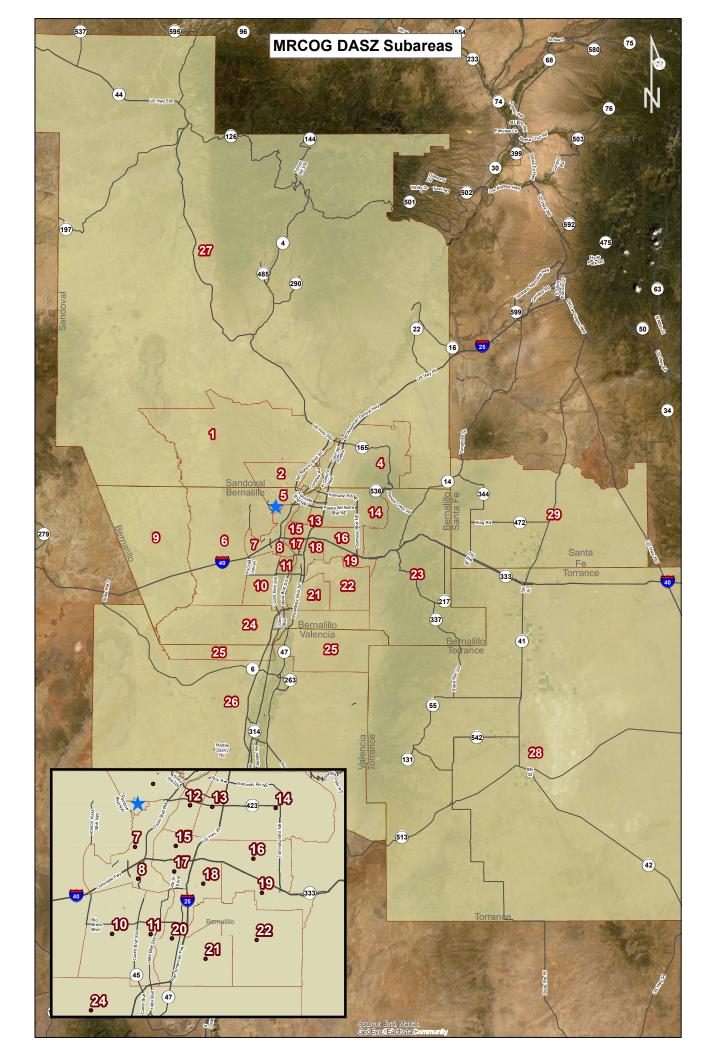
Vehicle Volumes and Adj	ustme	nts														
Approach		Eastb	ound			Westl	oound			North	bound			South	bound	
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	1	0	0	0	1	0		0	1	0		0	0	0
Configuration				TR		LT					LR					
Volume (veh/h)			5	4		3	2			11		11				
Percent Heavy Vehicles (%)						2				2		2				
Proportion Time Blocked																
Percent Grade (%)										()					
Right Turn Channelized																
Median Type Storage				Undi	vided											
Critical and Follow-up Ho	eadwa	ys														
Base Critical Headway (sec)						4.1				7.1		6.2				
Critical Headway (sec)						4.12				6.42		6.22				
Base Follow-Up Headway (sec)						2.2				3.5		3.3				
Follow-Up Headway (sec)						2.22				3.52		3.32				
Delay, Queue Length, and	d Leve	l of S	ervice													
Flow Rate, v (veh/h)						3					24					
Capacity, c (veh/h)						1610					1036					
v/c Ratio						0.00					0.02					
95% Queue Length, Q ₉₅ (veh)						0.0					0.1					
Control Delay (s/veh)						7.2					8.6					
Level of Service (LOS)						А					Α					
Approach Delay (s/veh)	4.4						8.6									
Approach LOS										,	4					

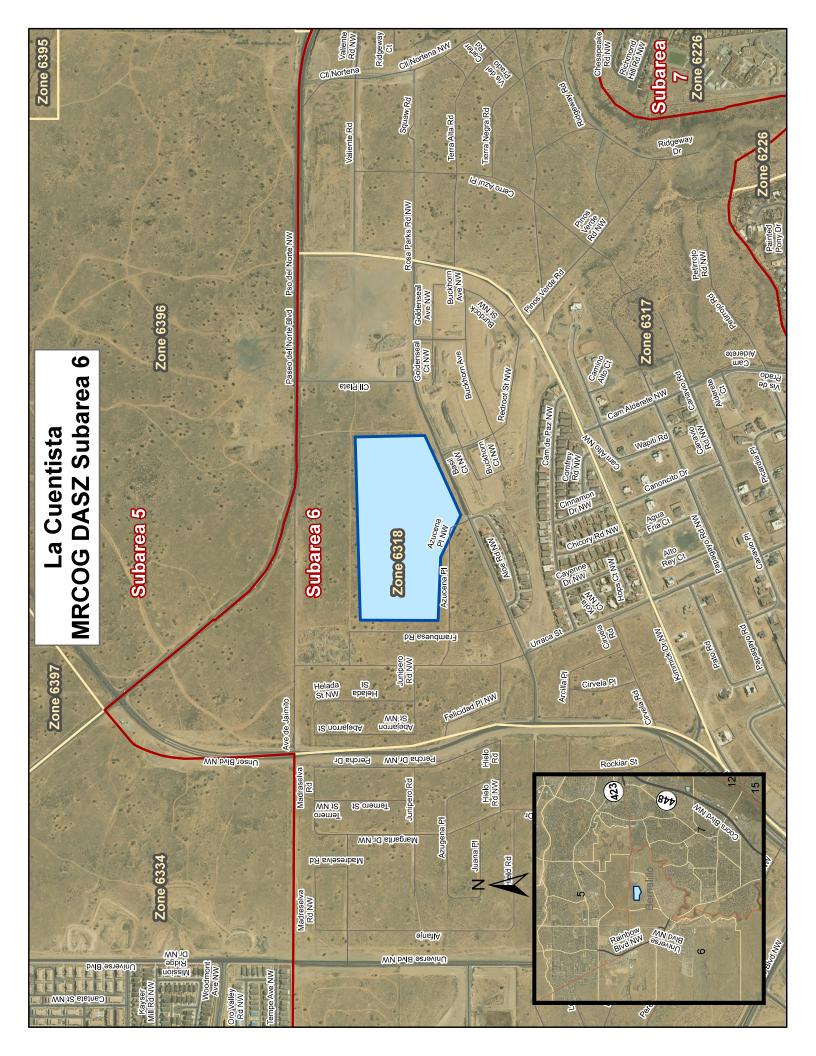
	HCS7 Two-Way Stop	o-Control Report	
General Information		Site Information	
Analyst	MG	Intersection	Rosa Parks and Redroot
Agency/Co.	вні	Jurisdiction	COA
Date Performed	5/5/2021	East/West Street	Rosa Parks
Analysis Year	2019	North/South Street	Redroot
Time Analyzed	EXIST_2019_PM PEAK	Peak Hour Factor	0.92
Intersection Orientation	East-West	Analysis Time Period (hrs)	0.25
Project Description	La Cuentista		



Vehicle Volumes and Adj	ustme	nts														
Approach		Eastb	ound			West	oound			North	bound			South	bound	
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	1	0	0	0	1	0		0	1	0		0	0	0
Configuration				TR		LT					LR					
Volume (veh/h)			3	12		11	4			7		6				
Percent Heavy Vehicles (%)						2				2		2				
Proportion Time Blocked																
Percent Grade (%))					
Right Turn Channelized																
Median Type Storage				Undi	vided											
Critical and Follow-up He	eadwa	ys														
Base Critical Headway (sec)						4.1				7.1		6.2				
Critical Headway (sec)						4.12				6.42		6.22				
Base Follow-Up Headway (sec)						2.2				3.5		3.3				
Follow-Up Headway (sec)						2.22				3.52		3.32				
Delay, Queue Length, and	d Leve	l of S	ervice													
Flow Rate, v (veh/h)						12					14					
Capacity, c (veh/h)						1601					1012					
v/c Ratio						0.01					0.01					
95% Queue Length, Q ₉₅ (veh)						0.0					0.0					
Control Delay (s/veh)						7.3					8.6					
Level of Service (LOS)						А					Α					
Approach Delay (s/veh)	5.3					.3			8	.6						
Approach LOS										,	4					

APPENDIX C TURNING MOVEMENT DEVELOPMENT





La Cuentista 2025 Build Trip Distribution - Residential Trips Employment by Subarea

rth Emp	7,695 12,131 1,074	7,020 767 274		4,435
UN Unser to/from North % Emp/ Dist. Utilizing	1.13% 4.27% 0.26%	5.71% 1.32% 0.02%		0.19% 12.91% 13.00%
U. W. Utililizing	80% 70% 65%	45% 24% 35%		75%
% Emp / Dist	1.41% 6.10% 0.40% 0.42%	12.68% 5.58% 4.63% 2.76% 0.07%	0.62% 0.93% 10.70% 5.60% 6.46% 8.75% 10.90% 3.61% 1.00% 0.34% 3.22% 0.12% 0.12%	0.26% 0.13% 0.08% 100.00%
Employment / distance 2030	819 3,533 233 243	7,347 3,234 2,685 1,598 40	362 536 1,485 6,199 3,243 3,741 5,069 6,315 5,514 2,090 581 129 129 69 69	149 75 46 57,926
Distance	11.8 4.9 7.1 15.9	2.1 1.0 3.8 6.6	4.5 4.5 6.5 6.5 6.5 6.5 6.7 11.1 12.0 9.0 13.3 12.1 15.7 15.7 15.7 18.5 18.5 23.6 33.8	39.6 61.5 41.0
2025	9,619 17,330 1,653 3,859	15,601 3,234 10,242 10,502 783	4,188 6,143 6,732 40,112 38,877 18,643 56,490 49,772 27,800 7,048 2,865 29,374 3,083 1,269	5,913 4,621 1,907
2040	11,695 19,251 1,775 4,083	16,730 5,205 11,922 12,837 970	5,486 6,882 7,474 7,474 47,146 60,784 60,784 60,784 7,720 30,705 8,37 7,108 31,083 3,349 31,083 1,266 1,266 1,266	6,024 5,118 2,111 485,664
Employment* 2016	8,373 16,177 1,579 3,725	14,923 2,051 9,234 9,101 671	3,409 6,287 38,387 37,516 17,358 54,135 39,647 47,403 26,057 5,978 1,755 2,923 1,271 1,271 11271	5,846 4,322 1,784 412,083 OG website
Subarea	− 0 m 4	- v ° - v ° 0	, 0	27 5,8 28 4,1,2 29 1,7 Total 412,083 USE from MRCOG website

La Cuentista 2025 Build Trip Distribution - Residential Trips Employment by Subarea

	***************************************				/ taoming	/ Gen 1	_	9			7		_	L	
Subarea	2016	2040	2025	Distance	distance 2030	% Ellip / Dist	D	Unser to/from South	£.	Pa	Paseo to/from West	st	Pa	Paseo to/from East	,
							% Uti lil izing	% Emply Dist. Uti li zing	Emp	% Utililizing	% Emp/ Dist. Utilizing	Emp	% Utililizing	% Emp/ Dist. Utilizing	Emp
	1	1			1			1							
_	8,373	11,695	9,619	11.8	819	1.41%				10%	0.14%	362	10%	0.14%	962
2	16,177	19,251	17,330	4.9	3,533	6.10%			_	10%	0.61%	1,733	20%	1.22%	3,466
က	1,579	1,775	1,653	7.1	233	0.40%			_	10%	0.04%	165	72%	0.10%	413
4	3,725	4,083	3,859	15.9	243	0.42%			_				100%	0.42%	3,859
2	14,923	16,730	15,601	2.1	7,347	12.68%	45%	5.71%	7,020	2%	0.63%	780	2%	0.63%	780
9	2,051	5,205	3,234	1.0	3,234	2.58%	51%	2.85%	1,648	19%	1.07%	621	%9	0.34%	197
7	9,234	11,922	10,242	3.8	2,685	4.63%	95%	4.40%	9,730				2%	0.23%	512
80	9,101	12,837	10,502	9.9	1,598	2.76%	%02	1.93%	7,351	15%	0.41%	1,575	15%	0.41%	1,575
6	671	920	783	19.4	40	0.07%	35%	0.02%	274	15%	0.01%	117	15%	0.01%	117
10	3,409	5,486	4,188	11.6	362	0.62%	%02	0.44%	2,932				30%	0.19%	1,256
1	5,699	6,882	6,143	11.5	536	0.93%	%02	%59 0	4,300				30%	0.28%	1,843
12	6,287	7,474	6,732	4.5	1,485	2.56%	10%	0.26%	673				%06	2.31%	6,059
13	38,387	42,986	40,112	6.5	6,199	10 70%	40%	4.28%	16,045				%09	6.42%	24,067
14	37,516	41,146	38,877	12.0	3,243	2.60%			_				100%	2.60%	38,877
15	17,358	20,784	18,643	5.0	3,741	6.46%	25%	3.55%	10,254				45%	2.91%	8,389
16	54,135	60,416	56,490	11.1	5,069	8.75%	72%	2.19%	14,123				75%	9.56 %	42,368
17	39,647	47,495	42,590	6.7	6,315	10.90%	40%	4.36%	17,036				%09	6.54%	25,554
18	47,403	53,720	49,772	0.6	5,514	9.52%	45%	4.28%	22,397				25%	5.24%	27,375
19	26,057	30,705	27,800	13.3	2,090	3.61%	45%	1.62%	12,510				25%	1.98%	15,290
20	5,978	8,831	7,048	12.1	581	1.00%	45%	0.45%	3,172				25%	0.55%	3,876
21	1,755	4,714	2,865	14.8	194	0.34%	45%	0.15%	1,289				25%	0.18%	1,576
22	28,349	31,083	29,374	15.7	1,866	3.22%	45%	1.45%	13,218				25%	1.77%	16,156
23	2,923	3,349	3,083	23.9	129	0.22%	4 0%	%60 ' 0	1,233				%09	0.13%	1,850
24	1,271	1,266	1,269	18.5	69	0.12%	%59	%80.0	825				35%	0.04%	444
25	112	112	112	23.6	2	0.01%	45%		20				25%	%00.0	62
56	18,011	21,494	19,317	33.8	572	%66.0	45%	0.44%	8,693				25%	0.54%	10,624
27	5,846	6,024	5,913	39 <mark>.</mark> 6	149	0.26%			_	20%	0.05%	1,183	2%	0.01%	296
28	4,322	5,118	4,621	61.5	75	0.13%	%09	%80.0	2,772				40%	0.05%	1,848
29	1,784	2,111	1,907	41.0	46	0.08%	40%	0.03%	763				%09	0.05%	1,144
Total	412,083	485,664			57,926	100.00%		39.31%			2.97%			44.88%	
USE								40.00%			3.00%			44.00%	
from MRC(from MRCOG website														

La Cuentista 2025 Build Trip Distribution - Residential Trips Employment by Subarea

distance zooo Dist		3.533 6.10%	233 0.40%								536 0.93%		6,199 10.70%		3,741 6.46%													75 0.13%		
dist																														
	11.8	6 4	7.1	15.9	2.1	1.0	3.8	9.9	19.4	11.6	11.5	4.5	6.5	12.0	5.0	11.1	6.7	0.6	13.3	12.1	14.8	15.7	23.9	18.5	23.6	33.8	39 <u>.</u> 6	61.5	41.0	
2025	9619	17 330	1,653	3,859	15,601	3,234	10,242	10,502	783	4,188	6,143	6,732	40,112	38,877	18,643	56,490	42,590	49,772	27,800	7,048	2,865	29,374	3,083	1,269	112	19,317	5,913	4,621	1,907	
2040	11 695	19 251	1,775	4,083	16,730	5,205	11,922	12,837	970	5,486	6,882	7,474	42,986	41,146	20,784	60,416	47,495	53,720	30,705	8,831	4,714	31,083	3,349	1,266	112	21,494	6,024	5,118	2,111	
2010	8 373	16 177	1,579	3,725	14,923	2,051	9,234	9,101	671	3,409	5,699	6,287	38,387	37,516	17,358	54,135	39,647	47,403	26,057	5,978	1,755	28,349	2,923	1,271	112	18,011	5,846	4,322	1,784	
	-	۰ ۸	၊က	4	5	9	7	œ	6	10	7	12	13	4	15	16	17	18	19	20	21	22	23	24	25	56	27	28	59	

La Cuentista Subdivision Trip Distribution - Residential Trips Employment by Data Analysis Subzone for Subarea 6

est Emp	0	13	0	0	0	18	0	2	9	0	0	0	0	10	0	0	0	9	2	75	2	388	0	_	94	
PW Paseo to/from West % Emp/ Dist. 3 Utilizing	%00.0	0.02%	%00.0	%00.0	%00.0	0.03%	%00.0	%00.0	0.01%	%00.0	%00.0	%00.0	%00.0	0.02%	%00.0	%00.0	%00.0	0.01%	0.01%	0.13%	%00.0	0.67%	%00.0	%00.0	0.16%	1.07%
Pe % Utililizing	2%	10%				30%		2%	30%	30%	15%	30%	30%	30%	40%	40%	40%	40%	40%	40%	25%	25%	15%	2%	10%	
h Emp	0	54	181	0	25	24	0	22	7	0	0	0	0	0	0	0	0	က	က	38	4	621	0	9	658	
US Unser to/from South % Emp/ Dist. g Utilizing	0.00%	0.09%	0.31%	%00.0	0.04%	0.04%	%00.0	0.04%	0.01%	%00.0	%00.0	%00.0	%00.0	%00.0	%00.0	%00.0	%00.0	0.01%	%00.0	0.06%	0.01%	1.07%	%00.0	0.01%	1.14%	2.85%
Un % Utililizing	%09	40%	100%	100%	100%	40%		22%	35%						20%	20%	20%	20%	20%	20%	40%	40%		22%	%02	
h Emp	0	54	0	0	0	18	2	16	7	0	0	0	0	13	0	0	0	9	2	75	က	466	0	2	94	
UN Unser to/from North % Emp/ Dist. Utilizing	0.00%	0.09%	%00.0	%00.0	%00.0	0.03%	0.01%	0.03%	0.01%	%00.0	%00.0	%00.0	%00.0	0.02%	%00.0	%00.0	0.00%	0.01%	0.01%	0.13%	%00.0	0.80%	%00.0	0.01%	0.16%	1.32%
% Utilllizing	30%	40%				30%	100%	35%	35%	35%	45%	40%	40%	40%	40%	40%	40%	40%	40%	40%	30%	30%	85%	40%	10%	თ
5.58% Zone % Emp % * 5.58%	0.0%	0.2%	0.3%	%0.0	%0.0	0.1%	%0.0	0.1%	%0.0	%0.0	%0.0	%0.0	%0.0	0.1%	%0.0	%0.0	%0.0	%0.0	%0.0	0.3%	%0.0	2.7%	%0.0	%0.0	1.6%	5.58%
2025 EMP%	%00.0	4.16%	2.60%	%00.0	0.78%	1.84%	0.15%	1.40%	0.65%	%00.0	%00.0	%00.0	%00.0	1.00%	%00.0	%00.0	%00.0	0.50%	0.41%	5.82%	0.29%	47.99%	%00.0	0.35%	29.05%	100.00%
2025	0	134	181	0	25	29	2	45	21	0	0	0	0	32	0	0	0	16	13	188	6	1,552	0	=	940	3,234
Employment* 2040	0	170	196	0	26	09	2	96	21	0	0	0	0	98	0	0	0	23	14	272	10	3272	0	12	942	5,205
2016 barea 6	0	113	172	0	25	29	2	15	21	0	0	0	0	0	0	0	0	12	13	138	တ	520	0	Ξ	938	2,051
2016 DASZ's of Subarea 6	5901	5911	6313	6314	6315	6316	6317	6318	6336	6337	6451	6452	6453	6454	6461	6462	6463	6471	6472	6473	6481	6482	6491	6492	9683	Total

^{*-}Subarea Population from MRCOG 2040 Socioeconomic Forecasts from MRCOG website

La Cuentista Subdivision Trip Distribution - Residential Trips Employment by Data Analysis Subzone for Subarea 6

+=	Emp	0	13	0	0	0	0	0	2	0	0	0	0	0	10	0	0	0	0	0	0	0	78	0	0	94	
PE Paseo to/from East	% Emp/ Dist. Utilizing	%00.0	0.02%	%00.0	%00.0	%00.0	%00.0	%00.0	%00'0	%00'0	%00.0	%00.0	%00.0	%00.0	0.02%	%00.0	%00.0	%00.0	%00.0	%00'0	%00'0	%00.0	0.13%	%00.0	%00.0	0.16%	0.34%
ď	% Utililizing	2%	10%						2%		35%	40%	30%	30%	30%							2%	2%			10%	
5.58%	Zone % Emp % * 5.58%	%0.0	0.2%	0.3%	%0.0	%0.0	0.1%	%0.0	0.1%	%0.0	%0.0	%0.0	%0.0	%0.0	0.1%	%0.0	%0.0	%0.0	%0.0	%0.0	0.3%	%0.0	2.7%	%0.0	%0.0	1.6%	5.58%
	2025 EMP%	%00.0	4.16%	2.60%	%00.0	0.78%	1.84%	0.15%	1.40%	0.65%	%00.0	%00.0	%00.0	%00.0	1.00%	%00.0	%00.0	%00.0	0.50%	0.41%	5.82%	0.29%	47.99%	%00.0	0.35%	29.05%	100.00%
2025		0	134	181	0	25	29	2	45	21	0	0	0	0	32	0	0	0	16	13	188	ნ	1,552	0	11	940	3,234
Employment* 2040		0	170	196	0	26	09	2	96	21	0	0	0	0	98	0	0	0	23	14	272	10	3272	0	12	942	5,205
2016	barea 6	0	113	172	0	25	29	2	15	21	0	0	0	0	0	0	0	0	12	13	138	o	520	0	7	938	2,051
	DASZ's of Subarea 6	5901	5911	6313	6314	6315	6316	6317	6318	6336	6337	6451	6452	6453	6454	6461	6462	6463	6471	6472	6473	6481	6482	6491	6492	9683	Total

^{* -} Subarea Population from MRCOG 2040 Socioeconomic Forecasts from MRCOG website

La Cuentista Subdivision Trip Distribution - Residential Trips Employment by Data Analysis Subzone for Subarea 6

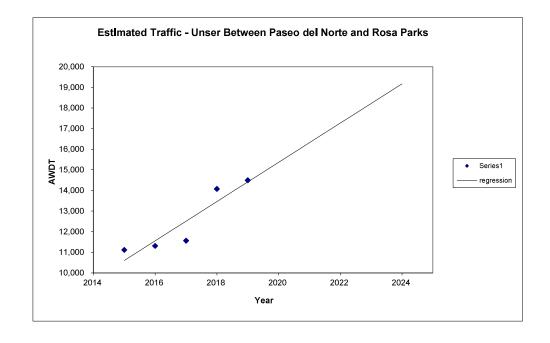
5.58%	Zone % Emp % * 5.58%	%0.0	0.2%	0.3%	%0.0	%0.0	0.1%	%0.0	0.1%	%0.0	%0.0	%0.0	%0.0	%0.0	0 1%	%0.0	%0.0	%0.0	%0.0	%0.0	0.3%	%0.0	2.7%	%0.0	%0.0	1.6%	2.58%	
	2025 EMP%	%00.0	4.16%	2.60%	%00.0	0.78%	1.84%	0.15%	1.40%	0.65%	%00'0	%00'0	%00'0	%00'0	1.00%	%00.0	%00.0	%00.0	0.50%	0.41%	5.82%	0.29%	47.99%	%00'0	0.35%	29.05%	100.00%	
2025		0	134	181	0	25	29	2	45	21	0	0	0	0	32	0	0	0	16	13	188	တ	1,552	0	=	940	3,234	
Employment*		0	170	196	0	26	09	2	96	21	0	0	0	0	98	0	0	0	23	14	272	10	3272	0	12	942	5,205	
2016	lbarea 6	0	113	172	0	25	29	2	15	21	0	0	0	0	0	0	0	0	12	13	138	စ	520	0	=	938	2,051	
	DASZ's of Subarea 6	5901	5911	6313	6314	6315	6316	6317	6318	6336	6337	6451	6452	6453	6454	6461	6462	6463	6471	6472	6473	6481	6482	6491	6492	9683	Total	

^{* -} Subarea Population from MRCOG 2040 Socioeconomic Forecasts from MRCOG website

AWDT on Unser (Between Paseo Del Norte & Rosa Parks) **AWDT** Year 2015 11,115 Linear Growth Rate = $\{[(14,489 - 11,115)/4]/14,489\}x100 = 5.82\%$ 11,304 2016 2017 11,558 14,072 2018 2019 14,489 Regression Output R Square 0.85 Standard Error 7.32E+02 Observations 5 -1,906,870 Intercept Std Err of Intercept 5.E+05 Coefficient 952 Std Err of Coefficient Projected AWDT 231 2015 10,604 2016 11,556 Regression Equation AWDT = 952 x Year - 1,906,870 Coefficient Growth Rate 6,57%



Estimated Annual Growth Rate [19,169- 14,489)/14,489) x 100% = 32.30% 32.30%/5= 6,46%



AWDT on Unser (South of Rosa Parks) Year AWDT 2015 12,368 2016 12,578 2017 12,860 2018 14,327 2019 14,752

Linear Growth Rate = $\{[(14,752 - 12,368)/4]/14.752\}x100 = 4.04\%$

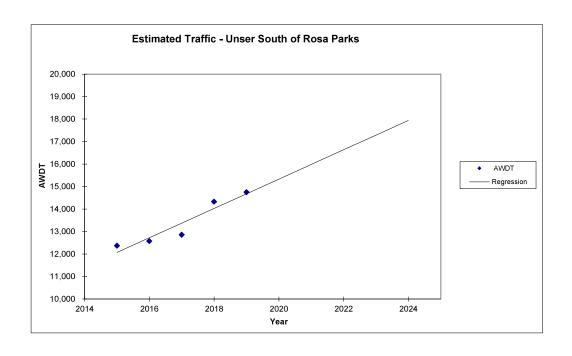
Regres	sion Output
R Square	0.900
Standard Error	3.96E+02
Observations	5
Intercept	-1,301,102
Std Err of Intercept	2.52E+05
Coefficient	652
Std Err of Coefficient	125

Projected AWDT 2015 12,074 2016 12,725 2017 13,377 14,029 2018 2019 14,680 2020 15,332 15,984 2021 2022 16,636 2023 17,287 17,939 2024

Regression Equation AWDT = 652 x Year - 1,301,102

Coefficient Growth Rate 4.42%

Estimated Annual Growth Rate $((17,939 - 14,752))/14,752) \times 100\% = 21.60\%$ 21.60%/5 = 4.32%



AWDT on Paseo del Norte (Between Unser & Kimmick) Year AWDT 2015 15,398 2016 16,370 2017 16,737 2018 17,019 2019 16,234

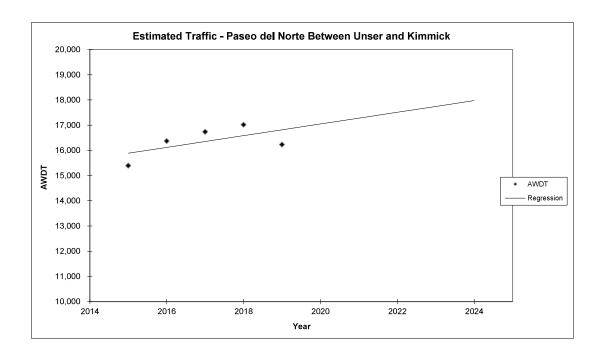
Linear Growth Rate = $\{[(16,234-15,398)/4]/16,234\}x100 = 1.29\%$

Regression	n Output
R Square	0.35
Standard Error	5.71E+02
Observations	5
Intercept	-451,794
Std Err of Intercept	364,323
Coefficient	232
Std Err of Coefficient	1.81E+02

Projected AWDT 2015 15,887 2016 16,119 2017 16,352 16,584 2018 2019 16,816 2020 17,048 2021 17,280 2022 17,512 2023 17,744 2024 17,976

Regression Equation
AWDT = 232 x Year - 451,794
Coefficient Growth Rate 1.43%

Estimated Annual Growth Rate [(5,485 -3,700)/3,700) x 100% = 10.73% 10.73%/5 = 2.15%



AWDT on Paseo del Norte (East of Kimmick) Year AWDT 2015 16,584 2016 16,866 2017 16,049 2018 17,665 2019 18,189

Linear Growth Rate = $\{[(18,189-16,584)/3]/18,189\}x100 = 0.029413382$

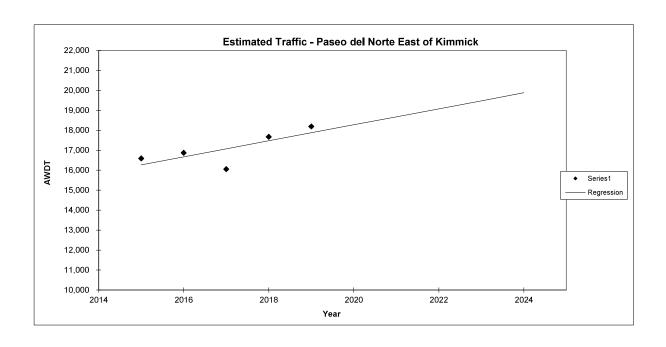
Regression	Output
R Square	0.55
Standard Error	6.63E+02
Observations	5
Intercept	-791,545
Std Err of Intercept	422,966
Coefficient	401
Std Err of Coefficient	2.10E+02

Projected AWDT 2015 16,269 2016 16,670 2017 17,071 2018 17,472 2019 17,872 2020 18,273 2021 18,674 2022 19,075 2023 19,476 2024 19,877

Regression Equation AWDT = 401 x Year -791,545

Coefficient Growth Rate 2.20%

Estimated Annual Growth Rate $[(19,877 \ -18,189)/18,189) \times 100\% = 9.28\% \\ 9.28\%/5 = 1.86\%$



	AWDT	
	ALL	
Year		AWDT
2015		55,465
2016		57,118
2017		57,204
2018		63,083
2019		63,664

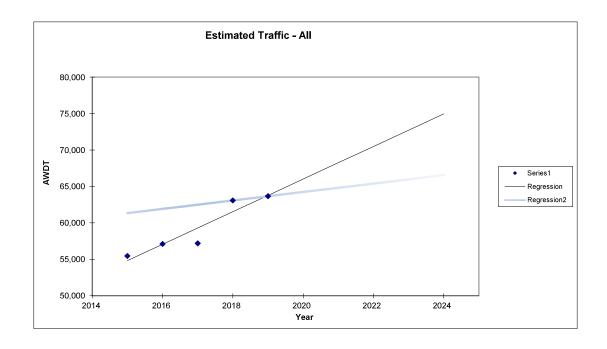
Linear Growth Rate = {[63,664-55,465)/3]/63,664}x100= 3.43%

Regressior	Output	_
R Square	0.87	1.00
Standard Error	1.55E+03	0.00E+00
Observations	5	2
Intercept	-4,451,310	-1,109,375
Std Err of Intercept	988,573	0
Coefficient	2,236	581
Std Err of Coefficient	4.90E+02	0.00E+00

Projecte	ed AWDT	
2015	54,834	61,340
2016	57,071	61,921
2017	59,307	62,502
2018	61,543	63,083
2019	63,779	63,664
2020	66,016	64,245
2021	68,252	64,826
2022	70,488	65,407
2023	72,725	65,988
2024	74,961	66,569

Regression Equation		
AWDT = 2,236 x Year - 4,451,310	Coefficient Growth Rate	3.51%
	USE	3.5%

Estimated Annual Growth Rate [(74,961-63,664)/63,664) x 100% = 17.74% 17.74%/5 = 3.55%



LA CUENTISTA EXISTING & PROJECTED TURNING MOVEMENTS

INTERSECTION: PASEO & KIMMICK (w/out Cliffs)

PASEO PASE	Right 1 1 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		Nund and a Right	Left 4 4 4 4 4 6 94 0.94	Thru	Right 51	Left	KIMIMICK	Right
Left Thru Right Left	Right 2 2 1 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4			Left 4 4 4 4 4 6 0.94	Thru	Right 51	Left	Thru	Right
Packground Growth	- 1 1 2 Ngght		puna	4 4 8 8 0 94		51			
Background Growth	1 1 2 Kight		pun	4 4 8 8 0.94		·			
Opproved Development (w/out Cliffs) 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18 18 19 10 19 10 18 10 18 10 18	1 1 2 8ight		pun	8 8 0.94		6			
No Build (2024) 1,285	1 L C Sight		pun	8 8 0.94					
Exiting Exiting (2024) Build (2024) PHF 0.94 HV % 2 Existing (2019) Description of Front Right Left PASEO Left Thru Right Left Thru Right Left PASEO Left Thru Right Left Thru Right Left PASEO Left Thru Right Left Thru Right Left PASEO Existing (2019) Background Growth PASEO Left Thru Right Left PASEO Existing (2014) Background Growth PASEO Existing (2014) No Build (2024) Right PASEO Figure PASEO Figur	- 2 Right		pun	8 0.94		61			
Build (2024) 1,285 2 36	Sight 4		pun	8 0.94					
Build (2024) 1,285 2 36 PHF 0.94 2 0.94 HV % 2 6.94 1.24 PASEO Left Thru Right Left Left Thru Right Left 10 Background Growth 71 1 10 Background Growth 71 1 10 No Build (2024) 491 4 65 No Build (2024) 491 4 65 Entering 5 66 66	Sight A	H = I	pund	8 0.94		26			
PHF 0.94 0.94	Right 4		puno	0.94		119			
HV % 2 Eastbound PASEO Left Thru Right Left Left Thru Right Left Right Left Thru Right Left Right Left Right Left Right Right Left Right Right Right Left Right		Westbo	punc				0.94		
PASEO		Westbo	punc		2			2	
PASEO		Westbo PASE	punc						
Left Thru Right Left 408 4 55 17 1 10 10 12 491 4 65 66			2		Northbound KIMMICK	ъ	υ,	Southbound KIMMICK	-
408 4 55 71 1 10 12 491 4 65 5 66			u Right	Left	Thru	Right	Left	Thru	Right
71 1 10 12 491 4 65 5 66			0.	2		33			
12 491 4 65 5 66	1					9			
491 4 65 5 66		17							
5			1	2		68			
	5	99							
Exiting				3		68			
Build (2024) 491 9 131 1,251			_	5		78			
70 U 3 Ma		70 0		0 0			700		
0.94		0.34		0.34			0.34		
HV% 2 2		2			7			2	
growth rates 3.5% 3.5% 3.5% 3.5% 3.5%	3.5%		% 3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%
Trip Distribution % Enter 3.0% 44.0%		14.0%							
Trip Distribution % Exit 0.0% 0.0% 0.0% 0.0% 0.0%	%0'0		%0'0 %	3.0%	%0'0	44 .0%	%0'0	%0'0	%0'0

LA CUENTISTA EXISTING & PROJECTED TURNING MOVEMENTS

INTERSECTION: PASEO & KIMMICK (w/Cliffs)

AM Peak Hour			Eastbound			Westbound		Z	Northbound		S	Southbound	_
			PASEO			PASEO			KIMMICK			KIMMICK	
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
	Existing (2019)		1,080	1	14	323		4		51			
	Background Growth		189		3	25		1		6			
	Approved Development		16		181	7		56		88			
	No Build (2024)		1,285	1	198	387		30		149			
	Entering			1	19								
	Exiting							4		59			
	Build (2024)		1,285	2	217	387		34		207			
	HHE	0.94			0.94			0.94			0.94		
	% AH		2			2			2			2	
	_						Ī						
PM Peak Hour		_	Eastbound PASEO			Westbound PASEO		z	Northbound KIMMICK		S	Southbound KIMMICK	75
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
	Existing (2019)		409	4	55	1,050		2		33			
	Background Growth		71	1	10	184				9			
	Approved Development		12		211	17		131		322			
	No Build (2024)		492	7	276	1,251		133		361			
	Entering			9	99								
	Exiting							3		39			
	Build (2024)		492	6	342	1,251		136		400			
	3HQ	70 0			0 0			0			0 0		
		0.34			10.04			0.01			0.31		
	%		5			2			2			2	
	growth rates	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%
	Trip Distribution % Enter			3.0%	44 0%								
	Trip Distribution % Exit	%0'0	%0'0	%0'0	%0:0	%0'0	%0'0	3.0%	%0'0	44.0%	%0.0	%0'0	%0.0

%0.0

3.5%

LA CUENTISTA EXISTING & PROJECTED TURNING MOVEMENTS

Right

INTERSECTION: UNSER & ROSA PARKS

AM Peak Hour			Eastbound			Westbound	_		Northbound			Southbound
		-	ROSA PARKS	S	ж	ROSA PARKS	S		UNSER			UNSER
		Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru
	Existing (2019)				32		10		488	32	10	733
	Background Growth				9		2		85	9	2	128
	Approved Development								1			
	No Build (2024)				37		12		574	37	12	861
	Entering									18	9	
	Exiting				54		17					
	Build (2024)				91		30		574	22	18	861
		700			700			700			70	
	TIL	0.34			0.94			0.34			0.94	
	% AH		2			2			7			7
PM Peak Hour			Eastbound ROSA PARKS	_ s		Westbound ROSA PARKS	. 8		Northbound UNSER			Southbound
	ı	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru
	Existing (2019)				17		9		670	17	9	466
	Background Growth				3		-		117	3	1	82
	Approved Development								1			
	No Build (2024)				20		7		788	20	7	548
	Entering									09	20	
	Exiting				36		12					
	Build (2024)				56		18		788	08	56	548
	PHF	0.94			0.94			0.94			0.94	
	% \(\mathcal{H} \)		2			2			2			2
	growth rates	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%	3.5%
	Trip Distribution % Enter									%0'07	13.0%	
	Trip Distribution % Exit 0.0%	%0.0	%0'0	%0'0	40.0%	%0'0	13.0%	%0'0	%0'0	%0'0	%0.0	%0'0

Right

17.5%

%0.0

3.5%

16 **16**

LA CUENTISTA EXISTING & PROJECTED TURNING MOVEMENTS

INTERSECTION: AZUCENA & ROSA PARKS

Right

23 **23**

Southbound	Left Thru						21	21		0.94	2	Southbound	Left Thru						14	14	0.94	2	3.5% 3.5%		_
7	Right	5	-		9			9					Right	3	-		4			4			3.5%		
Northbound AZUCENA	Thru										2	Northbound AZUCENA	Thru									2	3.5%		
	Left	9	-		7			7		0.94			Left	3	-		4			4	0.94		3.5%		
- 8	Right					7		7				- s	Right					23		23			3.5%	15.5%	
Westbound ROSA PARKS	Thru	11	2		13		48	61			7	Westbound ROSA PARKS	Thru	7	1		80		32	39		2	3.5%		
~ &	Left	2			2			2		0.94		^ &	Left	4	-		2			5	0.94		3.5%		
, o	Right	2			2			2				0	Right	5	-		9			9			3.5%		
Eastbound ROSA PARKS	Thru	6	2		11	16		56			7	Eastbound ROSA PARKS	Thru	4	1		2	53		28		2	3.5%	35.5%	
	Left					8		8		0.94			Left					56		56	0.94		3.5%	17.5%	
	.1	Existing (2019)	Background Growth	Approved Development	No Build (2024)	Entering	Exiting	Build (2024)	į	HH	%		a .	Existing (2019)	Background Growth	Approved Development	No Build (2024)	Entering	Exiting	Build (2024)	PHF	% \(\mathcal{H} \)	growth rates	Trip Distribution % Enter	-
AM Peak Hour												PM Peak Hour													

Right

LA CUENTISTA EXISTING & PROJECTED TURNING MOVEMENTS

INTER

INTERSECTION: REDROOT & ROSA PARKS	Ø					
AM Peak Hour		Eastbound			Westbound	_
	F	ROSA PARKS	S	R	ROSA PARKS	S
	Left	Thru	Right	Left	Thru	密
Existing (2019)		5	4	3	2	
Background Growth		1	1	1		
Approved Development						
No Build (2024)		9	4	4	2	
Entering	16				2	_
Exiting		21				
Build (2024)	16	22	4	4	6	_
				700		

Right

Left

Right 11

Left

£

7

Southbound REDROOT Thru

Northbound REDROOT Thru 48 **48**

42

5

13

13

5

0.94	2
0.94	2
0.94	2
PHF	% /H

PM Peak Hour

7

0.94

<u> </u>		Right						32	32
Southbound	REDROOT	Thru							
S		Left						28	28
_		Right	9	1		7			7
Northbound	REDROOT	Thru							
z	_	Left	7	1		8			8
_	S	Right					47		47
Westbound	ROSA PARKS	Thru	4	1		5	23		28
	R	Left	11	2		13			13
	S	Right	12	2		14			14
Eastbound	ROSA PARKS	Thru	3	1		4		14	17
	R	Left					53		53
			Existing (2019)	Background Growth	Approved Development	No Build (2024)	Entering	Exiting	Build (2024) 53

3.5%		35.5%
3.5%		%0'0
3.5%		31.5%
3.5%		%0'0
3.5%		%0'0
3.5%		%0'0
3.5%	31.5%	%0'0
3.5%	15.5%	%0'0
3.5%		%0'0
3.5%		%0'0
3.5%		15.5%
3.5%	35.5%	%0:0
growth rates	Trip Distribution % Enter	Trip Distribution % Exit

7

7

7

7

0.94

PHF HV %

0.94

0.94

0.94

The Cliffs on Paseo Development

Projected Turning Movements Worksheet

Paseo del Norte / Unser Blvd.

INTERSECTION: E-W Street: Paseo del Norte (2)

N-S Street: Unser Blvd.

Year of Existing Counts 2017 Implementation Year 2021

0.50% 3.30% 8 60% 8 60% **Growth Rates** Eastbound (Paseo del Norte) Westbound (Paseo del Norte) Northbound (Unser Blvd.) Southbound (Unser Blvd.) Thru Right Left Thru Right Left Thru Right Left Thru Right **Existing Volumes** 22 612 70 23 238 73 479 212 602 Background Traffic Growth <u>3</u> 26 22 624 269 122 285 15 644 809 Subtotal 83 Taos II at the Trails 52 11 0 18 La Cuentista Subd. - Phase I & II Subtotal (NO BUILD - A.M.) 288 809 23 676 82 26 84 644 122 285 19 Percent Residential Trips Generated(Entering) 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 1 44% 0.00% 0.00% 0.00% 0.00% 1 34% Percent Residential Trips Generated(Exiting) 0.00% 0.00% 0.00% 0.00% 0.00% 1.44% 1.34% 0.00% 0.00% 0.00% 0.00% 0.00% Percent Commercial Trips Generated(Entering) 0.00% 25.06% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 18.42% 0.00% 0.00% Percent Commercial Trips Generated(Exiting) 0.00% 0.00% 0.00% 0.00% 25.06% 18.42% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% Percent Office Trips Generated(Entering) 0.00% 0.78% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% 0.65% 0.00% 0.00% Percent Office Trips Generated(Exiting) 0.00% 0.00% 0.00% 0.78% 0.65% 0.00% 0.00% 0.00% 0.00% 0.00% 0.00% Total Trips Generated Total AM Peak Hour BUILD Volumes 23 700 82 26 303 95 19 644 122 303 809

Existing Volumes Background Traffic Growth Subtotal Taos II at the Trails La Cuentista Subd. - Phase I & II Subtotal (NO BUILD - P.M.)

Percent Residential Trips Generated(Entering) Percent Residential Trips Generated(Exiting) Percent Commercial Trips Generated(Entering) Percent Commercial Trips Generated(Exiting) Percent Office Trips Generated(Entering)

Percent Office Trips Generated(Exiting)
Total Trips Generated
Total PM Peak Hour BUILD Volum

Eastbou	nd (Paseo d	el Norte)	Westbou	nd (Paseo d	el Norte)	Northb	ound (Unse	r Blvd.)	Southb	ound (Unsei	^r Blvd.)
Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right
18	389	20	99	673	119	32	520	36	140	546	14
<u>0</u>	<u>8</u>	0	<u>13</u>	<u>89</u>	<u>16</u>	<u>11</u>	<u>179</u>	<u>12</u>	<u>48</u>	<u>188</u>	<u>5</u>
18	397	20	112	762	135	43	699	48	188	734	19
1	33	7	0	57	0	13	0	0	0	0	1
<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
19	430	27	112	819	135	56	699	48	188	734	20
0.00%	1.44%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.34%	0.00%	0.00%
0.00%	0.00%	0.00%	0.00%	1.44%	1.34%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
0.00%	25.06%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	18.42%	0.00%	0.00%
0.00%	0.00%	0.00%	0.00%	25.06%	18.42%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
0.00%	0.78%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.65%	0.00%	0.00%
0.00%	0.00%	0.00%	0.00%	0.78%	0.65%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
0	69	0	0	75	55	0	0	0	51	0	0
19	499	27	112	894	190	56	699	48	239	734	20

	Entering	Exiting	
Number of Residential Trips Generated	11	42	A.M.
	47	25	P.M.
Number of Commercial Trips Generated	91	56	A.M.
	269	292	P.M.
Number of Office Trips Generated	174	40	A.M.
	74	229	P.M.

100% Residential Development

100% Commercial Development

100% Office Development

APPENDIX D 2024 NO BUILD INTERSECTION CAPACITY ANALYSIS

HCS7 Signalized Intersection Results Summary

General Inforn	nation							1	ntersec	tion Info	ormatio	on	7	4 사파	1 14 14
Agency		ВНІ						_	Duration		0.250				
Analyst		MG		Analys	sis Date	e Jun 1	7. 2021		Area Typ		Other				<u>~</u> &
Jurisdiction		COA		Time F		9 9 9 9 9 9 9	,		PHF		0.92			w∱E	
Urban Street		La Cuentista		Analys		r 2024		Analysis			1> 7:	00			√ ← ∵
Intersection		Paseo & Kimmick		File Na			1 Paseo			v-out clif				K 2	· ·
Project Descrip	tion	2024NB_w/out Cliff	's AM	1 110 11	u1110	1467 (10	11 4000	dila itt	THITIOK V	v out om	10.740			4 1 4r	ግ ተ ጉ
Troject Besch	1011	202 11 18_W/Out Olin	<u></u>												
Demand Inform	nation				EB		Т	WB	;		NB			SB	
Approach Move	ement			L	Т	R	L	Т	R	L	Т	R	L	Т	R
Demand (v), v	eh/h				1285	5 1	17	385	,	4		61			
Signal Informa	ation				- 2	1 2									
Cycle, s	76.1	Reference Phase	2		E.		· S	2			¥	\frown	₹ .	2	
Offset, s	0	Reference Point	End	Green	19	51.5	4.7	0.0	0.0	0.0			Y 2	3	1
Uncoordinated	Yes	Simult. Gap E/W	On	Yellow		4.0	4.0	0.0	0.0	0.0			7		5.2
Force Mode	Fixed	Simult. Gap N/S	On	Red	2.0	2.0	2.0	0.0	0.0	0.0		5	6	7	8
Timer Results				EBI	-	EBT	WB	L	WBT	NBL		NBT	SBL		SBT
Assigned Phas	е			_	_	2	1	_	6		_	8		_	
Case Number				_	_	8.3	1.0	_	4.0	_	_	9.0		_	
Phase Duration					_	57.5	7.9		65.4		_	10.7		_	
Change Period				_	_	6.0	6.0		6.0			6.0		_	
	lax Allow Headway (<i>MAH</i>), s				_	3.0	3.1	_	3.0			3.4		_	
Queue Clearance Time (g $_{ m s}$), ${ m s}$					_	47.4	2.2	_	4.2			5.0		_	
	Green Extension Time (g $_{ extstyle e}$), s				_	4.1	0.0		4.4			0.1		_	
Phase Call Pro						1.00	0.32	2	1.00			0.78		4	
Max Out Proba	bility	_				0.09	0.00)	0.00	_	_	0.00	_	_	
Movement Gro	oup Res	sults			EB			WB			NB			SB	
Approach Move	ement			L	Т	R	L	Т	R	L	Т	R	L	Т	R
Assigned Move	ment				2	12	1	6		3		18			
Adjusted Flow I	Rate (v), veh/h			699	699	18	418		4		66			
Adjusted Satura	ation Flo	ow Rate (s), veh/h/l	ln		1900	1899	1810	1809		1810		1610			
Queue Service					45.4	14.3	0.2	2.2		0.2		3.0			
Cycle Queue C	learanc	e Time (<i>g c</i>), s			45.4	14.3	0.2	2.2		0.2		3.0			
Green Ratio (g	1/C)				0.68	0.68	0.73	0.78		0.06		0.09			
Capacity (c), v	/eh/h				1286	1285	172	2826		111		140			
Volume-to-Cap	acity Ra	ntio (X)			0.544	0.544	0.107	0.148		0.039		0.475			
Back of Queue	(Q), ft	/In (95 th percentile))		186.5	186.5	9	16.4		3.4		52			
Back of Queue	(Q), ve	eh/ln (95 th percent	ile)		7.5	7.5	0.4	0.7		0.1		2.1			
Queue Storage	Ratio (RQ) (95 th percent	tile)		0.00	0.00	0.00	0.00		0.00		0.00			
Uniform Delay	(d 1), s.	/veh			6.3	6.3	18.3	2.1		33.6		33.1			
Incremental De	lay (d 2), s/veh			0.1	0.1	0.1	0.0		0.1		0.9			
Initial Queue De	elay (d	з), s/veh			0.0	0.0	0.0	0.0		0.0		0.0			
Control Delay (d), s/ve	eh			6.4	6.4	18.4	2.1		33.7		34.0			
Level of Service	e (LOS)				Α	Α	В	Α		С		С			
Approach Delay				6.4		Α	2.8		Α	34.0		С	0.0		
Intersection De						6	.6		, , , , , , , , , , , , , , , , , , , ,				A		
Na. 14: 1 -	! .							14.5			NID			0.5	
Multimodal Re		// 00		4.00	EB		0.00	WB	Δ.	0.01	NB	<u> </u>	0.11	SB	
Pedestrian LOS				1.85	_	В	0.62		A	2.31		В	2.14		В
Bicycle LOS So	core / LC	78		1.64	1	В	0.85)	Α			F			

HCS7 Signalized Intersection Results Summary

General Inform	nation							l l	ntersec	tion Info	ormatio	on	لي	작가하↑	Ju ly
Agency		ВНІ							Duration	, h	0.250)			
Analyst		MG		Analys	sis Date	e Jun 10	6, 2021	1	Area Typ	e	Other	•			<u>~</u> &
Jurisdiction		COA		Time F					PHF		0.92			w∱E	<u>-</u>
Urban Street		La Cuentista			sis Yea	r 2024	Analysis			Period	1> 7:0	00			-
Intersection		Paseo & Kimmick		File N			1 Paseo			v-out clif				5 7	F-
Project Descrip	tion	2024NB_w/out Cliff	's PM										- §	4 1 4 Y	7 47
		_													
Demand Inform	nation				EB			WB			NB			SB	
Approach Move	ement			L	Т	R	L	T	R	L	Т	R	L	Т	R
Demand (v), v	eh/h				491	4	65	125	1	2		39			
0:	4														
Signal Informa		Deference Dhara		-	1	=					,	_			
Cycle, s	65.7	Reference Phase	2	-	2	, R '	5	7					> 2	3	4
Offset, s	0	Reference Point	End	Green		40.0	3.3	0.0	0.0	0.0					
Uncoordinated	Yes	Simult. Gap E/W	On	Yellow	-	4.0	4.0	0.0	0.0	0.0			Y		Y
Force Mode	Fixed	Simult. Gap N/S	On	Red	2.0	2.0	2.0	0.0	0.0	0.0	ļ.	5	6	7	8
Timer Results	_		EBI	-	EBT	WB	WBL WBT		NBL	. T	NBT	SBL	.	SBT	
Assigned Phase	e					2	1		6			8			
Case Number						8.3	1.0		4.0			9.0			
Phase Duration	ı, S					46.0	10.3	3	56.3			9.3			
Change Period	, (Y+R	c), S				6.0	6.0		6.0			6.0			
Max Allow Head		<u> </u>				3.0	3.1		3.0			3.4			
Queue Clearan		· · · · · · · · · · · · · · · · · · ·				14.9	2.8		11.2			3.6			
	Green Extension Time (g_e), s					5.5	0.1	\neg	5.5		\neg	0.1			
Phase Call Pro		(C)				1.00	0.72	2	1.00			0.56			
Max Out Proba	bility					0.00	0.00)	0.00			0.00			
Movement Gro	oup Res	sults			EB			WB			NB			SB	
Approach Move				L	Т	R	L	Т	R	L	Т	R	L	Т	R
Assigned Move					2	12	1	6		3		18			
Adjusted Flow I), veh/h			269	269	71	1360		2		42			
Adjusted Satura	ation Flo	ow Rate (s), veh/h/l	n		1900	1894	1810	1809		1810		1610			
Queue Service	Time (g s), s			12.9	4.2	0.8	9.2		0.1		1.6			
Cycle Queue C	learanc	e Time (<i>g c</i>), s			12.9	4.2	0.8	9.2		0.1		1.6			
Green Ratio (g	/C)				0.61	0.61	0.71	0.77		0.05		0.12			
Capacity (c), v	eh/h				1157	1154	593	2773		92		189			
Volume-to-Capa	acity Ra	atio (X)			0.233	0.233	0.119	0.490		0.024		0.225			
Back of Queue	(Q), ft.	/In (95 th percentile))		57.1	57	7.6	57.8		1.4		26			
Back of Queue	(Q), ve	eh/ln (95 th percent	ile)		2.3	2.3	0.3	2.3		0.1		1.0			
Queue Storage	Ratio (RQ) (95 th percent	tile)		0.00	0.00	0.00	0.00		0.00		0.00			
Uniform Delay	(d 1), s	/veh			5.9	5.9	4.8	2.9		29.6		26.3			
Incremental De	lay (d 2), s/veh			0.0	0.0	0.0	0.1		0.0		0.2			
Initial Queue De	elay (d	з), s/veh			0.0	0.0	0.0	0.0		0.0		0.0			
Control Delay (d), s/ve	eh			5.9	5.9	4.8	2.9		29.7		26.5			
Level of Service	. ,				Α	Α	Α	Α		С		С			
Approach Delay	y, s/veh	/LOS		5.9		Α	3.0	3.0 A		26.7		С	0.0		
Intersection De	lay, s/ve	eh / LOS				4	.3					A			
Multimodal Re	oulto				EB			WB			NB			SB	
Pedestrian LOS		/1.08		1.86		В	0.62		Α	2.31	_	В	2.13		В
								-		2.31			2.13		D
Bicycle LOS Sc	ore / LC	Jo		0.93		Α	1.67		В			F			

	HCS7 Two-Way Stop-Control Report											
General Information		Site Information										
Analyst	MG	Intersection	Paseo and Kimmick									
Agency/Co.	вні	Jurisdiction	COA									
Date Performed	5/5/2021	East/West Street	Paseo del Norte									
Analysis Year	2024	North/South Street	Kimmick									
Time Analyzed	2024NB_AM PEAK	Peak Hour Factor	0.92									
Intersection Orientation	East-West	Analysis Time Period (hrs)	0.25									
Project Description	La Cuentista (w/out Cliffs, 1-stage)											



Approach		Easth	ound		Westbound				Northbound				Southbound			
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	T	R
Priority	10	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	2	0	0	1	2	0		1	0	1		0	0	0
Configuration			Т	TR		L	Т			L		R				
Volume (veh/h)			1285	1	0	17	385			4		61				
Percent Heavy Vehicles (%)					2	2				2		2				
Proportion Time Blocked																
Percent Grade (%)									0							
Right Turn Channelized									No							
Median Type Storage				Undi	vided											
Critical and Follow-up H	ritical and Follow-up Headways															
Base Critical Headway (sec)						4.1				7.5		6.9				
Critical Headway (sec)						4.14				6.84		6.94				
Base Follow-Up Headway (sec)						2.2				3.5		3.3				
Follow-Up Headway (sec)						2.22				3.52		3.32				
Delay, Queue Length, an	d Leve	l of S	ervice													
Flow Rate, v (veh/h)						18				4		66				
Capacity, c (veh/h)						485				87		382				
v/c Ratio						0.04				0.05		0.17				
95% Queue Length, Q ₉₅ (veh)						0.1				0.2		0.6				
Control Delay (s/veh)						12.7				48.5		16.4				
Level of Service (LOS)						В				E		С				
Approach Delay (s/veh)					0.5			18.4								
Approach LOS									С							

	HCS7 Two-Way Stop-Control Report											
General Information		Site Information										
Analyst	MG	Intersection	Paseo and Kimmick									
Agency/Co.	вні	Jurisdiction	COA									
Date Performed	5/5/2021	East/West Street	Paseo del Norte									
Analysis Year	2024	North/South Street	Kimmick									
Time Analyzed	2024NB_PM PEAK	Peak Hour Factor	0.92									
Intersection Orientation	East-West	Analysis Time Period (hrs)	0.25									
Project Description	La Cuentista (w/out Cliffs, 1-stage)											



Approach		Easth	ound			Westl	oound			North	oound			South	bound		
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	R	
Priority	10	1	2	3	4U	4	5	6		7	8	9		10	11	12	
Number of Lanes	0	0	2	0	0	1	2	0		1	0	1		0	0	0	
	0	0		_	0			0			U	_		0	U	0	
Configuration	-		T	TR		L	T			L		R					
Volume (veh/h)			491	4	0	65	1251			2		39					
Percent Heavy Vehicles (%)					2	2				2		2					
Proportion Time Blocked																	
Percent Grade (%)									0								
Right Turn Channelized									No								
Median Type Storage				Undi	vided												
Critical and Follow-up H	itical and Follow-up Headways																
Base Critical Headway (sec)						4.1				7.5		6.9					
Critical Headway (sec)						4.14				6.84		6.94					
Base Follow-Up Headway (sec)						2.2				3.5		3.3					
Follow-Up Headway (sec)						2.22				3.52		3.32					
Delay, Queue Length, an	d Leve	l of Se	ervice														
Flow Rate, v (veh/h)	T					71				2		42					
Capacity, c (veh/h)						1026				131		729					
v/c Ratio						0.07				0.02		0.06					
95% Queue Length, Q ₉₅ (veh)						0.2				0.1		0.2					
Control Delay (s/veh)						8.8				33.0		10.2					
Level of Service (LOS)						А				D		В					
Approach Delay (s/veh)					0.4			11.4									
· · · · · · · · · · · · · · · · · · ·						0.7			В В								

PEAK HOUR VOLUME SIGNAL WARRANT ANALYSIS

Satisfies Warrant 3A

9

			Peak H	Peak Hour Delay (Criteria 4 Hours)	ia 4 Hours)		Intersec
Scenario:	2024 No Build		0.18	0.18 Hours in AM	ON		
	(w/out Cliff's, 1-stage)		0.07	0.07 Hours in PM	ON		
Intersection:	Paseo and Kimmick						
Type:	2 Lane		Minor S	Minor Street Approach Volume	Volume	Major S	Aajor Street Appro
Major Street (Orientation): Paseo del Norte (E/W)	: Paseo del Norte (E/W)	Time	NB P	SB	High Vol	EB	WB
Minor Street (Orientation): Kimmick (N/S)	: Kimmick (N/S)	AM Peak	35	0	35	1,286	402
		DM Dook	22	c	66	/05	1 316

	or More Lanes	
	Tane & 1 Lane 2 or more Lanes & 1 Lane 2 or More Lanes Paseo and Kimmick 2800 320	
	2400	H.
Peak Hour Volume Warrant	Applicable Threshold AM Peak PM Peak 2000	Major Street - Total of Both Approaches - VPH
Peak	AAA AAA AAA AAA AAA AAA AAA AAA AAA AA	Major Streel
	008	
C	H9V - Areet - High Volume Approach - VPH Sinor Street - VPH Sinor	

Note: 150 VPH applies as the lower threshold for minor street approach with 2 or more lanes & 100 VPH as the threshold for a minor street approach with one lane

	HCS7 Two-Way Stop-Control Report											
General Information		Site Information										
Analyst	MG	Intersection	Paseo and Kimmick									
Agency/Co.	вні	Jurisdiction	COA									
Date Performed	5/5/2021	East/West Street	Paseo del Norte									
Analysis Year	2024	North/South Street	Kimmick									
Time Analyzed	2024NB_AM PEAK	Peak Hour Factor	0.92									
Intersection Orientation	East-West	Analysis Time Period (hrs)	0.25									
Project Description	La Cuentista (w/out Cliffs, 2-stage)											



Approach	T	Easth	ound			Westl	oound	Westbound					Southbound				
Movement	U	L	Т	R	U	L	Т	R	U	North L	Т	R	U	L	Т	R	
Priority	10	1	2	3	4U	4	5	6		7	8	9		10	11	12	
Number of Lanes	0	0	2	0	0	1	2	0		1	0	1		0	0	0	
	0	0		_	0			0			0			0	U	0	
Configuration	_		T	TR		L	T			L		R					
Volume (veh/h)			1285	1	0	17	385			4		61					
Percent Heavy Vehicles (%)					2	2				2		2					
Proportion Time Blocked																	
Percent Grade (%)									0								
Right Turn Channelized									No								
Median Type Storage		Left On					Only										
Critical and Follow-up H	eadwa	ys															
Base Critical Headway (sec)						4.1				7.5		6.9					
Critical Headway (sec)						4.14				6.84		6.94					
Base Follow-Up Headway (sec)						2.2				3.5		3.3					
Follow-Up Headway (sec)						2.22				3.52		3.32					
Delay, Queue Length, an	d Leve	of So	ervice														
Flow Rate, v (veh/h)	Т					18				4		66					
Capacity, c (veh/h)						485				164		382					
v/c Ratio						0.04				0.03		0.17					
95% Queue Length, Q ₉₅ (veh)						0.1				0.1		0.6					
Control Delay (s/veh)						12.7				27.6		16.4					
Level of Service (LOS)						В				D		С					
Approach Delay (s/veh)					0.5			17.1									
	_					0.5			C								

	HCS7 Two-Way Stop-Control Report											
General Information		Site Information										
Analyst	MG	Intersection	Paseo and Kimmick									
Agency/Co.	вні	Jurisdiction	COA									
Date Performed	5/5/2021	East/West Street	Paseo del Norte									
Analysis Year	2024	North/South Street	Kimmick									
Time Analyzed	2024NB_PM PEAK	Peak Hour Factor	0.92									
Intersection Orientation	East-West	Analysis Time Period (hrs)	0.25									
Project Description	La Cuentista (w/out Cliffs, 2-stage)											



Approach	T	Easth	ound			Westl	oound			North	bound			South	bound	
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	R
Priority	10	1	2	3	4U	4	5	6		7	8	9				12
Number of Lanes	0	0	2	0	0	1	2	0		1	0	1				0
	0	0		-	0			0			0			0	0	0
Configuration			T 404	TR		L	T			L		R				
Volume (veh/h)			491	4	0	65	1251			2		39				
Percent Heavy Vehicles (%)					2	2				2		2				
Proportion Time Blocked																
Percent Grade (%)										(0					
Right Turn Channelized									No							
Median Type Storage				Left	Only								1			
Critical and Follow-up H	eadwa	ys														
Base Critical Headway (sec)						4.1				7.5		6.9				
Critical Headway (sec)						4.14				6.84		6.94				
Base Follow-Up Headway (sec)						2.2				3.5		3.3				
Follow-Up Headway (sec)						2.22				3.52		3.32				
Delay, Queue Length, an	d Leve	l of Se	ervice													
Flow Rate, v (veh/h)						71				2		42				
Capacity, c (veh/h)						1026				257		729				
v/c Ratio						0.07				0.01		0.06				
95% Queue Length, Q ₉₅ (veh)						0.2				0.0		0.2				
Control Delay (s/veh)						8.8				19.1		10.2				
Level of Service (LOS)						А				С		В				
Approach Delay (s/veh)						0	.4			10).7					
								В								

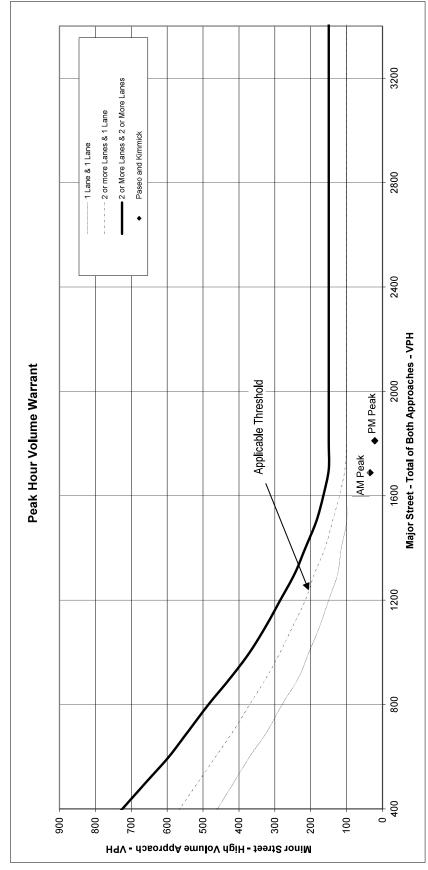
PEAK HOUR VOLUME SIGNAL WARRANT ANALYSIS

Satisfies Warrant 3A

9

				Time (AM Peak
2024 No Build	(w/out Cliff's, 2-stage)	Paseo and Kimmick	2 Lane	Paseo del Norte (E/W	Kimmick (N/S)
Scenario:		Intersection:	Type:	Major Street (Orientation): Paseo del Norte (E/W)	Minor Street (Orientation): Kimmick (N/S)

	_	_	_		_	_	
Minor Approach > 100	ON	ON	Caticfice Warrant 3D	Satisties Wallallt JD	ON	ON	
Intersection Voume > 650	YES	YES	Volume	Volume EB + WB		1,811	
Intersection	¥ ¥	Major Street Approach Volume	WB	402	1,316		
Peak Hour Delay (Criteria 4 Hours)			Major S	83	1,286	495	
	ON	ON	Volume	Nigh Vol	35	22	
	0.16 Hours in AM	0.06 Hours in PM	Minor Street Approach Volume	SB	0	0	
	0.16	90.0	Minor S	8N	32	22	
				Time	AM Peak	PM Peak	



Note: 150 VPH applies as the lower threshold for minor street approach with 2 or more lanes & 100 VPH as the threshold for a minor street approach with one lane

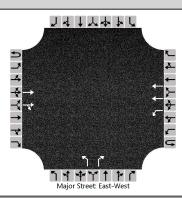
HCS7 Signalized Intersection Results Summary

General Inforn						Intersection Information				7	4 사하	1 12 12			
Agency BHI								Duration, h 0.250							
Analyst		MG			Analysis Date Jun 17, 2				Area Type			Other			* <u>.</u> &
Jurisdiction COA			Time Period			PHF			0.92			w∳i			
Urban Street La Cuentista			Analysis Year 2024			Analysis								~ ←	
Intersection Paseo & Kimmick			File N			1 Paseo							κ,	a F	
Project Description 2024NB_w/Cliff's_AM				1 110 14	File Name NBAM Paseo and Kimmick w cliffs.xus								4 1 4	<u>ነ</u> ተ ተ	
2024ND_W/OIIII3_/W															
Demand Information					EB		Т	WB	;		NB			SE	3
Approach Movement				L	Т	R	L	T	R	L	Т	R	L	Т	R
Demand (v), v	eh/h				128	5 1	198	387		30		149			
Signal Information				1											
Cycle, s	86.6	Reference Phase	2		6			7					₹ ,		3 4
Offset, s	0	Reference Point	End	Green	7.1	51.5	10.0	0.0	0.0	0.0					
Uncoordinated	Yes	Simult. Gap E/W	On	Yellow		4.0	4.0	0.0	0.0	0.0			7		52
Force Mode	Fixed	Simult. Gap N/S	On	Red	2.0	2.0	2.0	0.0	0.0	0.0	,	5	6		7 8
Timer Results				EBI	-	EBT	WB	L	WBT	NBL	-	NBT	SBL	-	SBT
Assigned Phas	e			_	_	2	1		6	_		8	_	-	
Case Number				-	-	8.3	1.0		4.0	_	-	9.0	_	\rightarrow	
Phase Duration		`		_	_	57.5	13.1	_	70.6	_	_	16.0	_	-	
Change Period				-	-	6.0	6.0	_	6.0	_	_	6.0	_	-	
Max Allow Hea		·		⊢	-	3.0	3.1	_	3.0	_	_	3.3	_	-	
Queue Clearan				\vdash		47.4	6.7		4.9		_	9.8	_	-	
Green Extension		(<i>g</i> _e), s		_	+	4.1	0.4		4.5	_		0.4	_	\rightarrow	
Phase Call Pro				_	-	1.00	0.99	_	1.00	_	_	0.99	_	-	
Max Out Proba	bility			_	_	0.09	0.00)	0.00	_		0.00	_	-	
Movement Gro	oup Res	sults			EB			WB			NB			SB	i
Approach Move	ement			L	Т	R	L	Т	R	L	Т	R	L	Т	R
Assigned Move	ment				2	12	1	6		3		18			
Adjusted Flow I	Rate (v), veh/h			699	699	215	421		33		162			
Adjusted Satura	ation Flo	ow Rate (s), veh/h/l	ln		1900	1899	1810	1809		1810		1610			
Queue Service	Time (g	g s), s			45.4	20.4	4.7	2.9		1.4		7.8			
Cycle Queue C	learanc	e Time ($g c$), s			45.4	20.4	4.7	2.9		1.4		7.8			
Green Ratio (g	1/C)				0.59	0.59	0.70	0.75		0.12		0.20			
Capacity (c), v	/eh/h				1130	1130	258	2697		210		318			
Volume-to-Cap	acity Ra	ntio (X)			0.619	0.619	0.834	0.156		0.155		0.509			
Back of Queue	(Q), ft	/In (95 th percentile))		297.3	297.3	122.8	32.5		27.5		133.1			
Back of Queue	(Q), ve	eh/ln (95 th percent	ile)		11.9	11.9	4.9	1.3		1.1		5.3			
Queue Storage	Ratio (RQ) (95 th percen	tile)		0.00	0.00	0.00	0.00		0.00		0.00			
Uniform Delay	Uniform Delay (d 1), s/veh				11.3	11.3	23.7	3.2		34.5		31.0			
Incremental Delay (d 2), s/veh				0.2	0.2	2.7	0.0		0.1		0.5				
Initial Queue Delay (d 3), s/veh				0.0	0.0	0.0	0.0		0.0		0.0				
Control Delay (d), s/veh				11.5	11.5	26.4	3.2		34.6		31.5				
Level of Service	Level of Service (LOS)				В	В	С	Α		С		С			
Approach Delay, s/veh / LOS			11.5	5	В	11.0)	В	32.0		С	0.0			
Intersection De	lay, s/ve	eh / LOS				13	3.1						В		
B. 142															
Multimodal Re					EB			WB			NB		-	SB	
Pedestrian LOS				1.88	_	В	0.64		Α	2.31		В	2.14		В
Bicycle LOS Score / LOS				1.64	1	В	1.01		Α			F			

HCS7 Signalized Intersection Results Summary

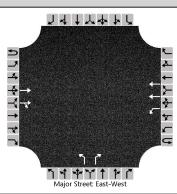
General Inform	nation							l l	ntersec	tion Info	ormatio	on	لړ	4 사사	, Ja l <u>u</u>
Agency		вні						1	Duration	, h	0.250	1			
Analyst		MG		Analys	sis Date	e Jun 1	6, 2021		Area Typ		Other		4		<u>~</u>
Jurisdiction		COA		Time F					PHF		0.92		→	w∱E	— }-
Urban Street		La Cuentista		Analys		r 2024			Analysis	Period	1> 7:0	00			~ ~ ~
Intersection		Paseo & Kimmick		File Na			1 Paseo		•	v cliffs.xı				5 8	r r
Project Descrip	tion	2024NB_w/Cliff's_F	PM	1		1							- F	4 1 4 7	7 7 7
J															
Demand Inform	nation				EB			WB	1		NB			SB	
Approach Move	ment			L	Т	R	L	T	R	L	Т	R	L	Т	R
Demand (v), v	eh/h				492	4	276	125	1	133		361			
				ıı.	1										
Signal Informa			r		- 4	_	<u></u>					_			
Cycle, s	89.6	Reference Phase	2		K	7₹°	5	7					₹ 2	3	4
Offset, s	0	Reference Point	End	Green	10.0	40.0	21.6	0.0	0.0	0.0					
Uncoordinated	Yes	Simult. Gap E/W	On	Yellow	4.0	4.0	4.0	0.0	0.0	0.0			7		V
Force Mode	Fixed	Simult. Gap N/S	On	Red	2.0	2.0	2.0	0.0	0.0	0.0		5	6	7	8
Timer Results				EBI	_	EBT	WB	L	WBT	NBL		NBT	SBL		SBT
Assigned Phase						2	1		6			8			
Case Number	-					8.3	1.0		4.0			9.0			
Phase Duration	. S					46.0	16.0		62.0		_	27.6		\neg	
Change Period,		c). s				6.0	6.0	_	6.0			6.0			
Max Allow Head		·				3.0	3.1		3.0		_	3.3		\neg	
Queue Clearan						14.9	9.5	_	22.3			20.7			
Green Extensio						5.5	0.5	_	5.5		_	0.9		\neg	
Phase Call Prol		(90),0				1.00	1.00		1.00			1.00			
Max Out Probal						0.00	0.00	_	0.00		_	0.04		\pm	
Movement Gro	un Pos	vulto			EB			WB			NB			SB	
Approach Move		buits		L	T	R	L	T	R	L	T	R	L	T	R
Assigned Move				-	2	12	1	6	<u> </u>	3		18			+ '`
Adjusted Flow F) veh/h			270	269	300	1360		145		392			_
		ow Rate (s), veh/h/l	ln		1900	1894	1810	1809		1810		1610			+
Queue Service		, ,			12.9	8.2	7.5	20.3		5.9		18.7			_
Cycle Queue C					12.9	8.2	7.5	20.3		5.9		18.7			+
Green Ratio (g		5 mile (g v), 5			0.45	0.45	0.58	0.62		0.24		0.35			
Capacity (c), v					848	845	548	2261		437		568			+
Volume-to-Capa		ntio (X)			0.318	_	0.547	0.602		0.331		0.690			_
		/In (95 th percentile))		152	151.6	120.3	277.9	_	112.6		280.8			
		eh/ln (95 th percent			6.1	6.1	4.8	11.1		4.5		11.2			
	• • •	RQ) (95 th percent			0.00	0.00	0.00	0.00		0.00		0.00			
Uniform Delay (16.0	16.0	11.3	10.1		28.0		24.8			
Incremental De					0.1	0.1	0.3	0.1		0.2		1.2			
Initial Queue De		<u> </u>			0.0	0.0	0.0	0.0		0.0		0.0			
Control Delay (·			16.1	16.1	11.7	10.2		28.2		26.0			
Level of Service					В	В	В	В		C C		C C			
Approach Delay		/LOS		16.1		В	10.5		В	26.6		С	0.0		_
Intersection Del							1.7						<u> </u>		
	intersection belay, sivemi Lee														
Multimodal Re					EB			WB			NB			SB	
Pedestrian LOS				1.90)	В	0.67	7	Α	2.32		В	2.15	j	В
Bicycle LOS Sc	ore / LC	os		0.93	3	Α	1.86	3	В			F			

HCS7 Two-Way Stop-Control Report											
General Information		Site Information									
Analyst	MG	Intersection	Paseo and Kimmick								
Agency/Co.	вні	Jurisdiction	COA								
Date Performed	5/5/2021	East/West Street	Paseo del Norte								
Analysis Year	2024	North/South Street	Kimmick								
Time Analyzed	2024NB_AM PEAK	Peak Hour Factor	0.92								
Intersection Orientation	East-West	Analysis Time Period (hrs) 0.25									
Project Description	La Cuentista (w/Cliff's, 1-stage)										



Vehicle Volumes and Adj	ustme	nts														
Approach		Eastb	oound			Westl	oound			North	bound			South	bound	
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	2	0	0	1	2	0		1	0	1		0	0	0
Configuration			Т	TR		L	Т			L		R				
Volume (veh/h)			1285	1	0	198	387			30		149				
Percent Heavy Vehicles (%)					2	2				2		2				
Proportion Time Blocked																
Percent Grade (%)										()					
Right Turn Channelized										N	О					
Median Type Storage				Undi	vided											
Critical and Follow-up He	eadwa	ys														
Base Critical Headway (sec)						4.1				7.5		6.9				
Critical Headway (sec)						4.14				6.84		6.94				
Base Follow-Up Headway (sec)						2.2				3.5		3.3				
Follow-Up Headway (sec)						2.22				3.52		3.32				
Delay, Queue Length, and	l Leve	l of S	ervice													
Flow Rate, v (veh/h)	Т					215				33		162				
Capacity, c (veh/h)						485				27		382				
v/c Ratio						0.44				1.19		0.42				
95% Queue Length, Q ₉₅ (veh)						2.2				3.8		2.1				
Control Delay (s/veh)						18.2				450.1		21.2				
Level of Service (LOS)						С				F		С				
Approach Delay (s/veh)						- 6	.2		93.1							
Approach LOS										ı	=					

HCS7 Two-Way Stop-Control Report											
General Information		Site Information									
Analyst	MG	Intersection	Paseo and Kimmick								
Agency/Co.	вні	Jurisdiction	COA								
Date Performed	5/5/2021	East/West Street	Paseo del Norte								
Analysis Year	2024	North/South Street	Kimmick								
Time Analyzed	2024NB_PM PEAK	Peak Hour Factor	0.92								
Intersection Orientation	East-West	Analysis Time Period (hrs) 0.25									
Project Description	La Cuentista (w/Cliff's, 1-stage)										



Valida Valumaa and Adiustmanta																
Vehicle Volumes and Adj	ustme	nts														
Approach		Eastb	ound			Westl	bound			North	bound			South	bound	
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	2	0	0	1	2	0		1	0	1		0	0	0
Configuration			Т	TR		L	Т			L		R				
Volume (veh/h)			492	4	0	276	1251			133		361				
Percent Heavy Vehicles (%)					2	2				2		2				
Proportion Time Blocked																
Percent Grade (%)										()					
Right Turn Channelized										N	О					
Median Type Storage				Undi	vided											
Critical and Follow-up H	eadwa	ys														
Base Critical Headway (sec)						4.1				7.5		6.9				
Critical Headway (sec)						4.14				6.84		6.94				
Base Follow-Up Headway (sec)						2.2				3.5		3.3				
Follow-Up Headway (sec)						2.22				3.52		3.32				
Delay, Queue Length, an	d Leve	l of S	ervice													
Flow Rate, v (veh/h)						300				145		392				
Capacity, c (veh/h)						1025				49		728				
v/c Ratio						0.29				2.95		0.54				
95% Queue Length, Q ₉₅ (veh)					Ì	1.2				15.5		3.3				
Control Delay (s/veh)						10.0				1055.5		15.6				
Level of Service (LOS)					Ì	Α			Ì	F		С				
Approach Delay (s/veh)						1	.8		295.5							
Approach LOS										ı	=					

YES	docorad roal/
Satisfies Warrant 3A	Inforcaction \/oums > 650
	ritorio / House

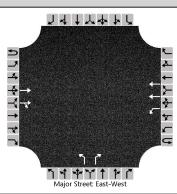
Peak Hour Delay (Criteria 4 Hours)	Intersection Voume > 650	Minor Approach > 100
2.70 Hours in AM YES	YES	YES
25.73 Hours in PM YES	YES	YES

001	YES	YES		Cotiction Worrant 2D	Satisfies Walfallt JD	YES	YES
000	YES	YES		Volume	EB + WB	1,871	2,023
	γ.	'.		Major Street Approach Volume	WB	585	1,527
				Major S	EB	1,286	496
(2001.2)	YES	YES		Volume	lo∨ diH	105	314
can real gold (circled release)	2.70 Hours in AM	25.73 Hours in PM		Minor Street Approach Volume	SB	0	0
-	2.70	25 73		Minor S	NB	105	314
					Time	AM Peak	PM Peak
	2024 No Build	(w/Cliff's, 1-stage)	Paseo and Kimmick	2 Lane	Paseo del Norte (E/W)	Kimmick (N/S)	
	Scenario:		Intersection:	Type:	Major Street (Orientation): Paseo del Norte (E/W)	Minor Street (Orientation): Kimmick (N/S)	

	1 Lane	2 or More Lanes			3200
	1 Lane & 1 Lane	Paseo and Kimmick Paseo and Kimmick			2800
					2400
/arrant			•	PM Peak	2000 prosches _VPH
Peak Hour Volume Warrant			Applicable Threshold		AM Peak 1600 2000 Major Street - Total of Both Approaches - VPH
a					1200 Major S
					800
	008	000 009	400	200	0 400

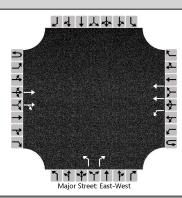
Note: 150 VPH applies as the lower threshold for minor street approach with 2 or more lanes & 100 VPH as the threshold for a minor street approach with one lane

HCS7 Two-Way Stop-Control Report											
General Information		Site Information									
Analyst	MG	Intersection	Paseo and Kimmick								
Agency/Co.	вні	Jurisdiction	COA								
Date Performed	5/5/2021	East/West Street	Paseo del Norte								
Analysis Year	2024	North/South Street	Kimmick								
Time Analyzed	2024NB_AM PEAK	Peak Hour Factor	0.92								
Intersection Orientation	East-West	Analysis Time Period (hrs) 0.25									
Project Description La Cuentista (w/Cliffs, 2-stage)											



Vehicle Volumes and Ad	justme	nts														
Approach		Easth	ound			Westl	oound			North	bound			South	bound	
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	2	0	0	1	2	0		1	0	1		0	0	0
Configuration			Т	TR		L	Т			L		R				
Volume (veh/h)			1285	1	0	198	387			30		149				
Percent Heavy Vehicles (%)					2	2				2		2				
Proportion Time Blocked																
Percent Grade (%)										()					
Right Turn Channelized									No							
Median Type Storage				Left	Only						1					
Critical and Follow-up H	eadwa	ys														
Base Critical Headway (sec)						4.1				7.5		6.9				
Critical Headway (sec)						4.14				6.84		6.94				
Base Follow-Up Headway (sec)						2.2				3.5		3.3				
Follow-Up Headway (sec)						2.22				3.52		3.32				
Delay, Queue Length, an	d Leve	l of S	ervice													
Flow Rate, v (veh/h)	\top					215				33		162				
Capacity, c (veh/h)						485				115		382				
v/c Ratio						0.44				0.28		0.42				
95% Queue Length, Q ₉₅ (veh)						2.2				1.1		2.1				
Control Delay (s/veh)						18.2				48.1		21.2				
Level of Service (LOS)					Ì	С				Е		С				
Approach Delay (s/veh)					6.2			25.7								
Approach LOS									D D							

HCS7 Two-Way Stop-Control Report											
General Information		Site Information									
Analyst	MG	Intersection	Paseo and Kimmick								
Agency/Co.	вні	Jurisdiction	COA								
Date Performed	5/5/2021	East/West Street	Paseo del Norte								
Analysis Year	2024	North/South Street	Kimmick								
Time Analyzed	2024NB_PM PEAK	Peak Hour Factor	0.92								
Intersection Orientation	East-West	Analysis Time Period (hrs) 0.25									
Project Description	La Cuentista (w/Cliffs, 2-stage)										

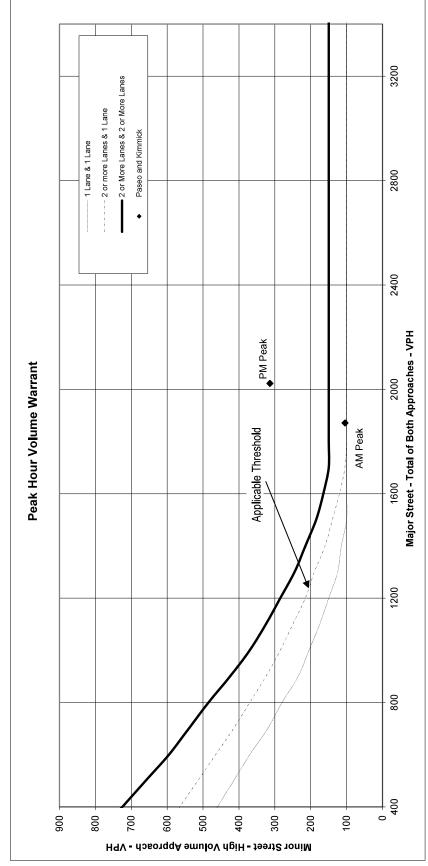


Vehicle Volumes and Adj	ustme	nts														
Approach		Eastb	ound			Westl	oound			North	bound			South	bound	
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	2	0	0	1	2	0		1	0	1		0	0	0
Configuration			Т	TR		L	Т			L		R				
Volume (veh/h)			492	4	0	276	1251			133		361				
Percent Heavy Vehicles (%)					2	2				2		2				
Proportion Time Blocked																
Percent Grade (%)										()					
Right Turn Channelized										N	О					
Median Type Storage				Left	Only					0 No 1 To 1						
Critical and Follow-up He	eadwa	ys														
Base Critical Headway (sec)						4.1				7.5		6.9				
Critical Headway (sec)						4.14				6.84		6.94				
Base Follow-Up Headway (sec)						2.2				3.5		3.3				
Follow-Up Headway (sec)						2.22				3.52		3.32				
Delay, Queue Length, and	Leve	l of S	ervice													
Flow Rate, v (veh/h)						300				145		392				
Capacity, c (veh/h)						1025				127		728				
v/c Ratio						0.29				1.14		0.54				
95% Queue Length, Q ₉₅ (veh)						1.2				8.5		3.3				
Control Delay (s/veh)						10.0				188.6		15.6				
Level of Service (LOS)						А				F		С				
Approach Delay (s/veh)						1	.8			62	2.1					
Approach LOS																

	00	
YES	Minor Approach > '	CL,
Satisfies Warrant 3A	Intersection Voume > 650	04/4
Sati	eria 4 Hours)	011

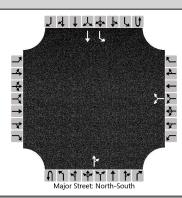
C	c	31/	DM Dook		
1	0	105	AM Peak	Kimmick (N/S)	Minor Street (Orientation): Kimmick (N/S)
Hig	as	NB	Time	Paseo del Norte (E/W)	Major Street (Orientation): Paseo del Norte (E/W)
Volume	dinor Street Approach Volume	Minor S		2 Lane	Type:
				Paseo and Kimmick	Intersection:
Υ	25.73 Hours in PM	25.73		(w/Cliff's, 2-stage)	
_	2.70 Hours in AM	2.70		2024 No Build	Scenario:
ia 4 Ho	Peak Hour Delay (Criteria 4 Ho	Peak H			

YES	XES		Gs taswaw acitaites	Satisties Wallalit JD	XES	YES
YES	YES		Volume	EB + WB	1,871	2,023
Υ	YE		Major Street Approach Volume	WB	585	1,527
		-	Major S	EB	1,286	496
NO	YES		Volume	IoV ngiH	105	314
2.70 Hours in AM	25.73 Hours in PM		Minor Street Approach Volume	as	0	0
2.70	25.73		Minor S	NB	105	314
				Time	AM Peak	PM Peak



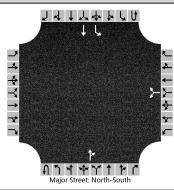
Note: 150 VPH applies as the lower threshold for minor street approach with 2 or more lanes & 100 VPH as the threshold for a minor street approach with one lane

	HCS7 Two-Way Stop	op-Control Report							
General Information		Site Information							
Analyst	MG	Intersection	Unser and Rosa Parks						
Agency/Co. BHI		Jurisdiction	COA						
Date Performed	5/5/2021	East/West Street	Rosa Parks						
Analysis Year	2024	North/South Street	Unser Blvd						
Time Analyzed	2024NB_AM PEAK	Peak Hour Factor	0.92						
Intersection Orientation	North-South	Analysis Time Period (hrs)	0.25						
Project Description	La Cuentista (1-stage)								



Vehicle Volumes and Adju	ıstme	nts														
Approach		Eastk	ound			Westl	bound			North	bound			South	bound	
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	0	0		0	1	0	0	0	1	0	0	1	1	0
Configuration							LR					TR		L	Т	
Volume (veh/h)						37		12			574	37		12	861	
Percent Heavy Vehicles (%)						2		2						2		
Proportion Time Blocked																
Percent Grade (%)							0									
Right Turn Channelized												4.1 4.12 2.2				
Median Type Storage				Undi	vided						4.1					
Critical and Follow-up He	adwa	ys														
Base Critical Headway (sec)						7.1		6.2						4.1		
Critical Headway (sec)						6.42		6.22						4.12		
Base Follow-Up Headway (sec)						3.5		3.3						2.2		
Follow-Up Headway (sec)						3.52		3.32						2.22		
Delay, Queue Length, and	Leve	l of S	ervice													
Flow Rate, v (veh/h)							53							13		
Capacity, c (veh/h)							140							925		
v/c Ratio							0.38							0.01		
95% Queue Length, Q ₉₅ (veh)							1.6							0.0		
Control Delay (s/veh)							45.7							8.9		
Level of Service (LOS)							E							Α		
Approach Delay (s/veh)						4:	5.7							0	.1	
Approach LOS							E									

	HCS7 Two-Way Stop	p-Control Report							
General Information		Site Information							
Analyst	MG	Intersection	Unser and Rosa Parks						
Agency/Co. BHI		Jurisdiction	COA						
Date Performed	5/5/2021	East/West Street	Rosa Parks						
Analysis Year	2024	North/South Street	Unser Blvd						
Time Analyzed	2024NB_PM PEAK	Peak Hour Factor	0.92						
Intersection Orientation	North-South	Analysis Time Period (hrs)	0.25						
Project Description	La Cuentista (1-stage)								



Vehicle Volumes and Ad	Justine															
Approach		Eastb	ound			Westl	bound			North	bound			South	bound	
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	0	0		0	1	0	0	0	1	0	0	1	1	0
Configuration							LR					TR		L	Т	
Volume (veh/h)						20		7			788	20		7	548	
Percent Heavy Vehicles (%)						2		2						2		
Proportion Time Blocked																
Percent Grade (%)							0							HU 4 5 0 1 1 L T 7 548		
Right Turn Channelized												4.1				
Median Type Storage		Undivided														
Critical and Follow-up H	eadwa															
Base Critical Headway (sec)						7.1		6.2						4.1		
Critical Headway (sec)						6.42		6.22						4.12		
Base Follow-Up Headway (sec)						3.5		3.3						2.2		
Follow-Up Headway (sec)						3.52		3.32						2.22		
Delay, Queue Length, an	d Leve	l of S	ervice													
Flow Rate, v (veh/h)							29							8		
Capacity, c (veh/h)							163							769		
v/c Ratio							0.18							0.01		
95% Queue Length, Q ₉₅ (veh)							0.6							0.0		
Control Delay (s/veh)							31.9							9.7		
Level of Service (LOS)							D							А		
Approach Delay (s/veh)						3	1.9							0	.1	
Approach LOS					Ì	ļ	D									

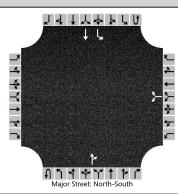
Satisfies Warrant 3A NO

Scenario: 2024 No Build (1 STAGE GAP)
Intersection: Unser and Rosa Parks
Type: 1 Lane/2 Lane
Major Street (Orientation): Unser (N/S)
Minor Street (Orientation): Rosa Parks (E/W)

_	_	_		_	_	_
Minor Approach > 100	NO	NO	Cotiefice Worrant 3B	Satisfies Walfallt 3D	NO	ON
ntersection Voume > 650	YES	YES	Volume	NB + SB	1,484	1.363
Intersection	I	Ь	Major Street Approach Volume	as	873	222
			Major S	NB	611	808
a 4 Hours)	ON	ON	/olume	High Vol	49	27
Peak Hour Delay (Criteria 4 Hours)	0.62 Hours in AM	0.24 Hours in PM	Minor Street Approach Volume	WB	49	27
Peak Ho	0.62	0.24	Minor S	EB	0	0
				Time	AM Peak	PM Peak

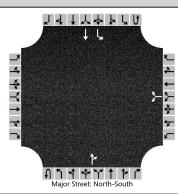
	Lane	2 or more Lanes & 1 Lane 2 or More Lanes & 2 or More Lanes	Unser and Rosa Parks						3200
	1 Lane & 1 Lane	2 or more L	• Unser and						2800
									2400
Peak Hour Volume Warrant						Applicable Threshold			2000
Peak Hour						Арр		◆ AM Peak	1600
								PM Peak	1200
									800
006	008			009	000	004	700	100	400

	HCS7 Two-Way Stop	p-Control Report							
General Information		Site Information							
Analyst	MG	Intersection	Unser and Rosa Parks						
Agency/Co. BHI		Jurisdiction	COA						
Date Performed	5/5/2021	East/West Street	Rosa Parks						
Analysis Year	2024	North/South Street	Unser Blvd						
Time Analyzed	2024NB_AM PEAK	Peak Hour Factor	0.92						
Intersection Orientation	North-South	Analysis Time Period (hrs)	0.25						
Project Description	La Cuentista (2-stage)								



Vehicle Volumes and Ad	, wastille								_							
Approach		Eastb	ound			Westl	oound			North	bound			South	bound	
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	0	0		0	1	0	0	0	1	0	0	1	1	0
Configuration							LR					TR		L	Т	
Volume (veh/h)						37		12			574	37		12	861	
Percent Heavy Vehicles (%)						2		2						2		
Proportion Time Blocked																
Percent Grade (%)							0							U 4 5 D 1 1 L T 12 861		
Right Turn Channelized												1 4.1 4.12				
Median Type Storage				Left	Only											
Critical and Follow-up H	eadwa	·														
Base Critical Headway (sec)						7.1		6.2						4.1		
Critical Headway (sec)						6.42		6.22						4.12		
Base Follow-Up Headway (sec)						3.5		3.3						2.2		
Follow-Up Headway (sec)						3.52		3.32						2.22		
Delay, Queue Length, an	d Leve	l of S	ervice													
Flow Rate, v (veh/h)							53							13		
Capacity, c (veh/h)							279							925		
v/c Ratio							0.19							0.01		
95% Queue Length, Q ₉₅ (veh)							0.7							0.0		
Control Delay (s/veh)							20.9							8.9		
Level of Service (LOS)							С							А		
Approach Delay (s/veh)						20	0.9							0	.1	
Approach LOS							C									

	HCS7 Two-Way Stop	o-Control Report						
General Information		Site Information						
Analyst	MG	Intersection	Unser and Rosa Parks					
Agency/Co.	вні	Jurisdiction	COA					
Date Performed	5/5/2021	East/West Street Rosa Parks						
Analysis Year	2024	North/South Street	Unser Blvd					
Time Analyzed	2024NB_PM PEAK	Peak Hour Factor	0.92					
Intersection Orientation	North-South	Analysis Time Period (hrs)	0.25					
Project Description	La Cuentista (1-stage)							



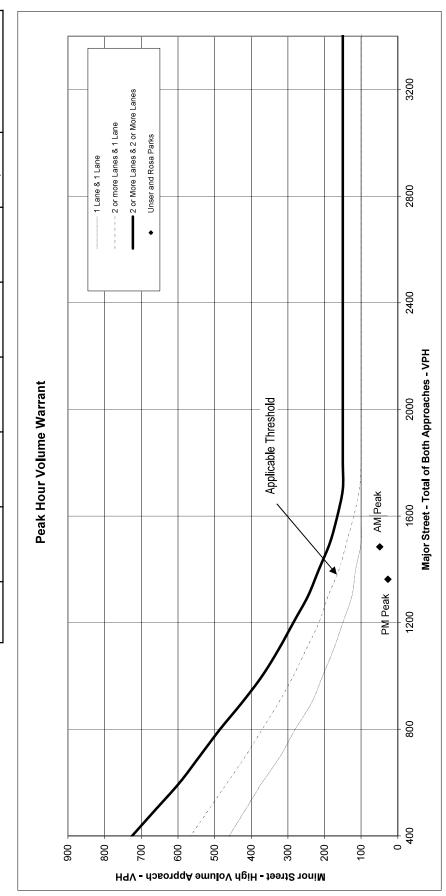
Vehicle Volumes and Ad	Justine								_							
Approach		Eastb	ound			Westl	oound			North	bound			South	bound	
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	0	0		0	1	0	0	0	1	0	0	1	1	0
Configuration							LR					TR		L	Т	
Volume (veh/h)						20		7			788	20		7	548	
Percent Heavy Vehicles (%)						2		2						2		
Proportion Time Blocked																
Percent Grade (%)						(0									
Right Turn Channelized																
Median Type Storage				Left	Only								1			
Critical and Follow-up H	eadwa	ys														
Base Critical Headway (sec)						7.1		6.2						4.1		
Critical Headway (sec)						6.42		6.22						4.12		
Base Follow-Up Headway (sec)						3.5		3.3						2.2		
Follow-Up Headway (sec)						3.52		3.32						2.22		
Delay, Queue Length, an	d Leve	l of S	ervice													
Flow Rate, v (veh/h)							29							8		
Capacity, c (veh/h)							290							769		
v/c Ratio							0.10							0.01		
95% Queue Length, Q ₉₅ (veh)							0.3							0.0		
Control Delay (s/veh)							18.8							9.7		
Level of Service (LOS)							С							А		
Approach Delay (s/veh)					18.8							0.1				
Approach LOS						(C									

Satisfies Warrant 3A NO

Scenario: 2024 No Build (2 STAGE GAP) Intersection: Unser and Rosa Parks

Intersection.	Unser and Rosa Park
Type:	1 Lane/2 Lane
Major Street (Orientation): Unser (N/S)	Unser (N/S)
Minor Street (Orientation): Rosa Parks (E/W)	Rosa Parks (E/W)

	Peak Ho	Peak Hour Delay (Criteria 4 Hours)	ia 4 Hours)		Intersection \	Intersection Voume > 650	Minor Approach > 100
	0.28	2.28 Hours in AM	ON		₩	YES	ON
	0.14	0.14 Hours in PM	ON		3A	YES	NO
	Minor S	Minor Street Approach Volume	Volume	Major S	Major Street Approach Volume	Volume	CC tours (M. co. ite ite 2
Time	EB	WB	High Vol	NB	SB	NB + SB	Satisfies Warrant 3D
AM Peak	0	49	49	611	873	1,484	ON
PM Peak	0	27	27	808	555	1,363	Q.



APPENDIX E 2024 BUILD INTERSECTION CAPACITY ANALYSIS

HCS7 Signalized Intersection Results Summary

General Inform	nation							l	ntersec	tion Infe	ormatio	on	ار	작 가 하 ↓	يا مل
Agency		ВНІ							Duration	, h	0.250)			
Analyst		MG		Analys	sis Date	Jun 1	1, 2021	1	Area Typ	e	Other	•	4		<u>~</u>
Jurisdiction		COA		Time F					PHF		0.92		→	w∱E	<u>~</u>
Urban Street		La Cuentista		Analys	sis Yea	r 2024			\nalysis	Period	1> 7:0	00	- - ₹		¥ T
Intersection		Paseo & Kimmick		File N			Paseo a		mick w-					5 7	F .
Project Descrip	tion	2024B_w/out Cliff's	AM						-				ካ	4 1 4 Y	7 4
		. –													
Demand Inform	nation				EB			WB			NB			SB	
Approach Move	ement			L	Т	R	L	T	R	L	Т	R	L	Т	R
Demand (v), v	eh/h				1285	2	36	385		8		119			
	4.					-	<u></u>	1				10		8	
Signal Informa					6	∃ €						_			
Cycle, s	81.0	Reference Phase	2	-	2	, R "	5	7					> 2	3	4
Offset, s	0	Reference Point	End	Green		51.6	8.0	0.0	0.0	0.0					
Uncoordinated	Yes	Simult. Gap E/W	On	Yellow		4.0	4.0	0.0	0.0	0.0					Y
Force Mode	Fixed	Simult. Gap N/S	On	Red	2.0	2.0	2.0	0.0	0.0	0.0		5	6	7	8
Timer Results				EBI	_	EBT	WB	L	WBT	NBI		NBT	SBL		SBT
Assigned Phase					\neg	2	1	\neg	6		\neg	8		\top	
Case Number						8.3	1.0		4.0			9.0			
Phase Duration	., S				\neg	57.6	9.5	_	67.1		\neg	14.0		\top	
Change Period,	<u> </u>	c), s				6.0	6.0	_	6.0			6.0		\rightarrow	
Max Allow Head		·				3.0	3.1	_	3.0			3.4		\top	
Queue Clearan		· · · · · · · · · · · · · · · · · · ·				47.5	2.5	-	4.6			8.1		\rightarrow	
					\neg	4.1	0.0	_	4.4		\top	0.3		\top	
Green Extension Time (g_e), s Phase Call Probability					1.00	0.59	-	1.00			0.96		\rightarrow		
Max Out Proba						0.09	0.00	-	0.00			0.00		工	
Movement Gro	un Ros	eulte			EB			WB			NB			SB	
Approach Move		Juli3			T	R	L	T	R		T	R	L	T	R
Assigned Move				-	2	12	1	6		3	<u> </u>	18	_	·	
Adjusted Flow F		·) veh/h			700	699	39	418		9		129			
	•	ow Rate (s), veh/h/l	n		1900	1899	1810	1809		1810		1610			
Queue Service		, ,			45.5	17.2	0.5	2.6		0.4		6.1			
Cycle Queue C		=			45.5	17.2	0.5	2.6		0.4		6.1			
Green Ratio (g		(3 /),			0.64	0.64	0.70	0.75		0.10		0.14			$\overline{}$
Capacity (c), v					1209	1208	197	2727		178		228			
Volume-to-Capa		atio (X)			0.579	_	0.199	0.153		0.049		0.567			
		/In (95 th percentile))		239.4	_	20.2	26.1		6.8		104.7			
		eh/ln (95 th percent			9.6	9.6	0.8	1.0		0.3		4.2			
		RQ) (95 th percent			0.00	0.00	0.00	0.00		0.00		0.00			
Uniform Delay ((d 1), s	/veh			8.5	8.5	19.1	2.8		33.1		32.5			
Incremental De					0.2	0.2	0.2	0.0		0.0		0.8			
Initial Queue De	elay (d	з), s/veh			0.0	0.0	0.0	0.0		0.0		0.0			
Control Delay (d), s/ve	eh			8.7	8.7	19.2	2.8		33.2		33.3			
Level of Service	e (LOS)				Α	А	В	Α		С		С			
Approach Delay	y, s/veh	/LOS		8.7		Α	4.2		Α	33.3		С	0.0		
Intersection De						9	.3						A		
84.J4:	! .							145			110			0.5	
Multimodal Re		/1.00		4.00	EB	D	0.0	WB	^	0.04	NB	_	0.44	SB	D
Pedestrian LOS				1.86	-	В	0.64	-	A	2.31	_	В	2.14	_	В
Bicycle LOS Sc	ore / LC	JS		1.64	7	В	0.87		Α			F			

HCS7 Signalized Intersection Results Summary

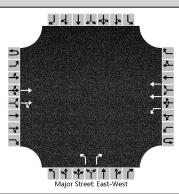
General Inforn	nation							l l	ntersec	tion Info	ormatio	on	1	4 사사	
Agency		ВНІ						_	Duration		0.250				
Analyst		MG		Analys	sis Date	e Jun 1	1. 2021		\rea Typ		Othe				<u>~</u> &
Jurisdiction		COA		Time F			.,		PHF		0.92			N W∳E	₩
Urban Street		La Cuentista			sis Yea	r 2024		_	\nalysis	Period	1> 7:	00			√ ← %
Intersection		Paseo & Kimmick		File Na			Paseo a			out cliffs				K 2	
Project Descrip	tion	2024B_w/out Cliff's	PM	1 110 11	arrio	D1 101	40000	III TAIT	innok W	out onno	.xuo			1 ↑ 4+ *	<u>ግ ቱ ጉ</u>
Troject Besch	1011	202 1B_W/Out Oill 0													
Demand Inform	nation				EB		Т	WB			NB			SB	
Approach Move	ement			L	Т	R	L	Т	R	L	Т	R	L	Т	R
Demand (v), v	eh/h				491	9	131	125	1	5		78			
Signal Informa	tion	N.			- 2										
Cycle, s	68.5	Reference Phase	2		V		5	7					₹ ,	3	4
Offset, s	0	Reference Point	End	Green	5.6	40.0	4.9	0.0	0.0	0.0					
Uncoordinated	Yes	Simult. Gap E/W	On	Yellow		4.0	4.0	0.0	0.0	0.0			7		V
Force Mode	Fixed	Simult. Gap N/S	On	Red	2.0	2.0	2.0	0.0	0.0	0.0		5	6	7	8
Timer Results				EBI		EBT	WB	L	WBT	NBL	-	NBT	SBL	-	SBT
Assigned Phas	e			_	_	2	1	_	6	_	_	8	_	-	
Case Number				_	-	8.3	1.0	_	4.0	_	-	9.0	_	-	
Phase Duration		`		_		46.0	11.6		57.6	_		10.9	_	-	
Change Period		<u> </u>		-	_	6.0	6.0		6.0	_	-	6.0	_	-	
Max Allow Hea				_	_	3.0	3.1	_	3.0	_	_	3.4	_	-	
Queue Clearan				_	_	15.1	3.8	_	12.2	_	-	5.2	_	-	
Green Extension		(<i>g</i> _e), s		_	\rightarrow	5.5	0.2	_	5.5	_		0.2	_	\rightarrow	
Phase Call Pro				_	_	1.00	0.93	_	1.00	_	_	0.82	_	-	
Max Out Proba	bility					0.00	0.00)	0.00	_	_	0.00	_		
Movement Gro	oup Res	sults			EB			WB			NB			SB	
Approach Move	ement			L	Т	R	L	Т	R	L	Т	R	L	Т	R
Assigned Move	ment				2	12	1	6		3		18			
Adjusted Flow	Rate (v), veh/h			272	271	142	1360		5		85			
Adjusted Satura	ation Flo	ow Rate (s), veh/h/l	ln		1900	1888	1810	1809		1810		1610			
Queue Service	Time (g	g s), s			13.1	4.8	1.8	10.2		0.2		3.2			
Cycle Queue C	learanc	e Time ($g c$), s			13.1	4.8	1.8	10.2		0.2		3.2			
Green Ratio (g	1/C)				0.58	0.58	0.69	0.75		0.07		0.15			
Capacity (c), v	/eh/h				1109	1102	598	2724		130		247			
Volume-to-Cap	acity Ra	atio(X)			0.246	0.246	0.238	0.499		0.042		0.343			
Back of Queue	(Q), ft	/In (95 th percentile))		69.7	69.4	19.1	79.1		3.7		53.1			
Back of Queue	(Q), ve	eh/ln (95 th percent	ile)		2.8	2.8	0.8	3.2		0.1		2.1			
Queue Storage	Ratio (RQ) (95 th percen	tile)		0.00	0.00	0.00	0.00		0.00		0.00			
Uniform Delay	(d 1), s	/veh			6.9	6.9	5.4	3.3		29.6		25.9			
Incremental De	lay (d 2), s/veh			0.0	0.0	0.1	0.1		0.0		0.3			
Initial Queue D	elay (d	з), s/veh			0.0	0.0	0.0	0.0		0.0		0.0			
Control Delay (d), s/ve	eh			7.0	7.0	5.5	3.4		29.7		26.2			
Level of Service	e (LOS)				Α	Α	Α	Α		С		С			
Approach Dela	y, s/veh	/ LOS		7.0		Α	3.6		Α	26.4		С	0.0		
Intersection De	lay, s/ve	eh / LOS				5	.4						A		
B. 142								,							
Multimodal Re		41.00			EB		-	WB	•		NB			SB	
Pedestrian LOS				1.87	-	В	0.63		A	2.31		В	2.14		В
Bicycle LOS So	core / LC	78		0.94	1	Α	1.73	3	В			F			

	HCS7 Two-Way Stop	o-Control Report	
General Information		Site Information	
Analyst	MG	Intersection	Paseo and Kimmick
Agency/Co.	вні	Jurisdiction	COA
Date Performed	5/5/2021	East/West Street	Paseo del Norte
Analysis Year	2024	North/South Street	Kimmick
Time Analyzed	2024B_AM PEAK	Peak Hour Factor	0.92
Intersection Orientation	East-West	Analysis Time Period (hrs)	0.25
Project Description	La Cuentista (w/out Cliff's, 1-stage)		



Approach		Easth	ound			Westl	oound			North	bound			South	bound	
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	T	R
Priority	10	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	2	0	0	1	2	0		1	0	1		0	0	0
Configuration			Т	TR		L	Т			L		R				
Volume (veh/h)			1285	2	0	36	385			8		119				
Percent Heavy Vehicles (%)					2	2				2		2				
Proportion Time Blocked																
Percent Grade (%)										()					
Right Turn Channelized										N	О					
Median Type Storage				Undi	vided											
Critical and Follow-up H	eadwa	ys														
Base Critical Headway (sec)						4.1				7.5		6.9				
Critical Headway (sec)						4.14				6.84		6.94				
Base Follow-Up Headway (sec)						2.2				3.5		3.3				
Follow-Up Headway (sec)						2.22				3.52		3.32				
Delay, Queue Length, an	d Leve	l of S	ervice													
Flow Rate, v (veh/h)						39				9		129				
Capacity, c (veh/h)						484				78		382				
v/c Ratio						0.08				0.11		0.34				
95% Queue Length, Q ₉₅ (veh)						0.3				0.4		1.5				
Control Delay (s/veh)						13.1				56.8		19.2				
Level of Service (LOS)						В				F		С				
Approach Delay (s/veh)					1.1			21.5								
Approach LOS					1.1			21.5 C								

	HCS7 Two-Way Stop	o-Control Report	
General Information		Site Information	
Analyst	MG	Intersection	Paseo and Kimmick
Agency/Co.	вні	Jurisdiction	COA
Date Performed	5/5/2021	East/West Street	Paseo del Norte
Analysis Year	2024	North/South Street	Kimmick
Time Analyzed	2024B_PM PEAK	Peak Hour Factor	0.92
Intersection Orientation	East-West	Analysis Time Period (hrs)	0.25
Project Description	La Cuentista (w/out Cliff's, 1-stage)		



Vehicle Volumes and Ad	justme	nts														
Approach		Eastk	ound			Westl	oound			North	bound			South	bound	
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	2	0	0	1	2	0		1	0	1		0	0	0
Configuration			Т	TR		L	Т			L		R				
Volume (veh/h)			491	9	0	131	1251			5		78				
Percent Heavy Vehicles (%)					2	2				2		2				
Proportion Time Blocked																
Percent Grade (%)										(0					
Right Turn Channelized										٨	lo					
Median Type Storage				Undi	vided											
Critical and Follow-up H	eadwa	ys														
Base Critical Headway (sec)						4.1				7.5		6.9				
Critical Headway (sec)						4.14				6.84		6.94				
Base Follow-Up Headway (sec)						2.2				3.5		3.3				
Follow-Up Headway (sec)						2.22				3.52		3.32				
Delay, Queue Length, an	d Leve	l of S	ervice													
Flow Rate, v (veh/h)	\top					142				5		85				
Capacity, c (veh/h)						1022				97		726				
v/c Ratio						0.14				0.06		0.12				
95% Queue Length, Q ₉₅ (veh)					Ì	0.5				0.2		0.4				
Control Delay (s/veh)						9.1				44.5		10.6				
Level of Service (LOS)						Α				E		В				
Approach Delay (s/veh)						0	.9			12	2.7					
Approach LOS					Ì					ı	В					

Minor Approach > 100 NO NO 9 Satisfies Warrant 3A

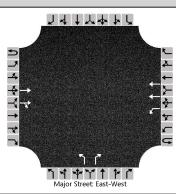
Satisfies Warrant 3B

99

			Peak Ho	Peak Hour Delay (Criteria 4 Hours)	ia 4 Hours)		Intersection \	Intersection Voume > 650
Scenario:	2024 Build		0.41	0.41 Hours in AM	ON		S∃A	S
	(w/out Cliff's, 1-Stage)		0.16	0.16 Hours in PM	NO		YES	S
Intersection:	Paseo and Kimmick							
Type:	2 Lane		Minor S	Minor Street Approach Volume	Volume	Major S	Major Street Approach Volume	olume,
Major Street (Orientation): Paseo del I	Paseo del Norte (E/W)	Time	NB	SB	lo∨ high	EB	MB	EB + WB
Minor Street (Orientation): Kimmick	Kimmick (N/S)	AM Peak	89	0	89	1,288	421	1,709
		PM Peak	44	0	44	500	1,382	1,882

	- 1 Lane & 1 Lane - 2 or more Lanes & 1 Lane - 2 or More Lanes & 2 or More Lanes	nmick				3200
	1 Lane & 1 Lane 2 or more Lanes & 1 Lane	Paseo and Kimmick				2800
						2400
Peak Hour Volume Warrant			Applicable Threshold		k 🔶 PM Peak	1600 2000 Maior Street - Total of Both Approaches - VPH
Peak Hour			Ą		♦ AM Peak	1600 Maior Street - Tota
						1200
						800
	000	000 000	400	200		400

	HCS7 Two-Way Stop	o-Control Report	
General Information		Site Information	
Analyst	MG	Intersection	Paseo and Kimmick
Agency/Co.	вні	Jurisdiction	COA
Date Performed	5/5/2021	East/West Street	Paseo del Norte
Analysis Year	2024	North/South Street	Kimmick
Time Analyzed	2024B_AM PEAK	Peak Hour Factor	0.92
Intersection Orientation	East-West	Analysis Time Period (hrs)	0.25
Project Description	La Cuentista (w/out Cliff's, 2-stage)		



Vehicle Volumes and Ad	justme	nts														
Approach		Eastb	ound			Westl	oound			North	bound			South	bound	
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	2	0	0	1	2	0		1	0	1		0	0	0
Configuration			Т	TR		L	Т			L		R				
Volume (veh/h)			1285	2	0	36	385			8		119				
Percent Heavy Vehicles (%)					2	2				2		2				
Proportion Time Blocked																
Percent Grade (%)										()					
Right Turn Channelized										Ν	О					
Median Type Storage				Left	Only								1			
Critical and Follow-up H	eadwa	ys														
Base Critical Headway (sec)						4.1				7.5		6.9				
Critical Headway (sec)						4.14				6.84		6.94				
Base Follow-Up Headway (sec)						2.2				3.5		3.3				
Follow-Up Headway (sec)						2.22				3.52		3.32				
Delay, Queue Length, an	d Leve	l of S	ervice													
Flow Rate, v (veh/h)	\top					39				9		129				
Capacity, c (veh/h)						484				160		382				
v/c Ratio						0.08				0.05		0.34				
95% Queue Length, Q ₉₅ (veh)						0.3				0.2		1.5				
Control Delay (s/veh)						13.1				28.8		19.2				
Level of Service (LOS)						В				D		С				
Approach Delay (s/veh)						1	.1			19	9.8					
Approach LOS										(2					

	HCS7 Two-Way Stop	o-Control Report	
General Information		Site Information	
Analyst	MG	Intersection	Paseo and Kimmick
Agency/Co.	вні	Jurisdiction	COA
Date Performed	5/5/2021	East/West Street	Paseo del Norte
Analysis Year	2024	North/South Street	Kimmick
Time Analyzed	2024B_PM PEAK	Peak Hour Factor	0.92
Intersection Orientation	East-West	Analysis Time Period (hrs)	0.25
Project Description	La Cuentista (w/out Cliff's, 2-stage)		



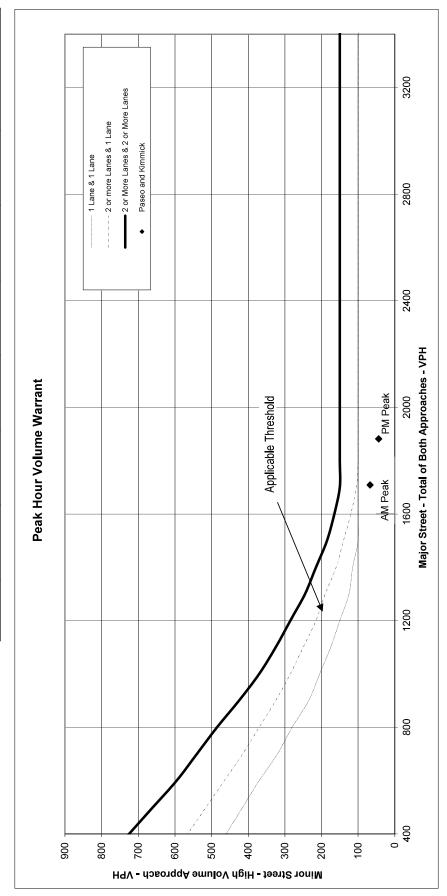
Approach		Eastb	oound			Westl	bound			North	bound			South	bound	
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	13
Number of Lanes	0	0	2	0	0	1	2	0		1	0	1		0	0	(
Configuration			Т	TR		L	Т			L		R				
Volume (veh/h)			491	9	0	131	1251			5		78				
Percent Heavy Vehicles (%)					2	2				2		2				
Proportion Time Blocked																П
Percent Grade (%)						-				()					
Right Turn Channelized										٨	lo					
Median Type Storage				Left	Only								1			
Critical and Follow-up H	leadwa	ys														
Base Critical Headway (sec)						4.1				7.5		6.9				
Critical Headway (sec)						4.14				6.84		6.94				Г
Base Follow-Up Headway (sec)						2.2				3.5		3.3				Π
Follow-Up Headway (sec)						2.22				3.52		3.32				Π
Delay, Queue Length, ar	nd Leve	l of S	ervice													
Flow Rate, v (veh/h)						142				5		85				Г
Capacity, c (veh/h)						1022				209		726				
v/c Ratio						0.14				0.03		0.12				Г
95% Queue Length, Q ₉₅ (veh)						0.5				0.1		0.4				Г
Control Delay (s/veh)						9.1				22.7		10.6				
Level of Service (LOS)						Α				С		В				
Approach Delay (s/veh)						0	.9			11	1.3					
Approach LOS											В					

Satisfies Warrant 3A NO

Scenario: 2024 Build (w/out Cliffs, 2-Stage)
Intersection: Paseo and Kimmick

Intersection:	Paseo and Kimmick	
Type:	2 Lane	
Major Street (Orientation): Paseo del Norte (E/W)	Paseo del Norte (E/W)	Tim
Minor Street (Orientation): Kimmick (N/S)	Kimmick (N/S)	ΑM
		2

_			l	0	ם		
Minor Approach > 100	ON	ON		Catisfice Warrant 3D	Satisfies Walfallt	ON	ON
ntersection Voume > 800	YES	YES		Volume	EB + MB	1,709	1,882
Intersection	Ь	Ь		Major Street Approach Volume	МВ	421	1,382
				Major S	EB	1,288	500
ia 4 Hours)	NO	ON		Volume	lo∨ dgiH	89	77
Peak Hour Delay (Criteria 4 Hours)	0.37 Hours in AM	0.14 Hours in PM		Minor Street Approach Volume	as	0	0
Peak H	0.37	0.14		Minor S	NB	89	44
					Time	AM Peak	PM Peak



HCS7 Signalized Intersection Results Summary

General Inform	nation							l	ntersec	tion Info	ormatio	on	لر	4 가하 1	يا مال
Agency		вні							Duration	, h	0.250)			
Analyst		MG		Analys	sis Date	e Jun 1	1, 2021	_	Area Typ		Other				<u>~</u> &
Jurisdiction		COA		Time F		1	·		PHF		0.92		→	w∱E	<u>-</u> 4
Urban Street		La Cuentista		Analys	sis Yea	r 2024		7	\nalysis	Period	1> 7:0	00			*
Intersection		Paseo & Kimmick		File Na			Paseo a		•	cliffs.xus				5 ፖ	×-
Project Descrip	tion	2024B_w/Cliff's_Al	Л											4 1 4 7	7 + 7
Demand Inform	nation				EB			WB			NB			SB	
Approach Move	ement			L	Т	R	L	Т	R	L	Т	R	L	Т	R
Demand (<i>v</i>), v	eh/h				1285	5 2	217	387		34		207			
0: 11.6	4.			1	1	_	_			_	i i	Tit.	9 7		
Signal Informa		D. C Dl		-	5	=						_			
Cycle, s	92.1	Reference Phase	2		2	, R '	51	7					> 2	3	4
Offset, s	0	Reference Point	End	Green		51.6	13.8	0.0	0.0	0.0					
Uncoordinated	Yes	Simult. Gap E/W	On	Yellow	-	4.0	4.0	0.0	0.0	0.0					Y
Force Mode	Fixed	Simult. Gap N/S	On	Red	2.0	2.0	2.0	0.0	0.0	0.0		5	6	7	8
Timer Results				EBI		EBT	WBI	L	WBT	NBL		NBT	SBL		SBT
Assigned Phase						2	1	\neg	6		\neg	8		\neg	
Case Number						8.3	1.0		4.0			9.0			
Phase Duration	., S					57.6	14.8	_	72.4		\neg	19.8		\neg	
Change Period,	<u> </u>	Y+R c), s				6.0	6.0	_	6.0			6.0		\neg	
	adway (<i>MAH</i>), s				3.0	3.1	$\overline{}$	3.0			3.3		\neg		
						47.5	8.4	\rightarrow	5.4			13.3		\rightarrow	
	eue Clearance Time (g_s), s en Extension Time (g_e), s				\neg	4.1	0.4	_	4.5		\top	0.5		\neg	
Phase Call Prol		(3 - 7, -				1.00	1.00	_	1.00			1.00		\rightarrow	
Max Out Proba						0.09	0.00	_	0.00			0.00			
Movement Gro	un Res	eulte			EB			WB			NB			SB	
Approach Move		74110		L	T	R	L	T	R	L	T	R	L	T	R
Assigned Move					2	12	1	6		3		18			+
Adjusted Flow F), veh/h			700	699	236	421		37		225			$\overline{}$
	•	ow Rate (s), veh/h/l	ln		1900	1899	1810	1809		1810		1610			
Queue Service		, ,			45.5	23.7	6.4	3.4		1.6		11.3			$\overline{}$
Cycle Queue C		- :			45.5	23.7	6.4	3.4		1.6		11.3			
Green Ratio (g		(3),			0.56	0.56	0.68	0.72		0.15		0.24			
Capacity (c), v					1063	1063	277	2605		271		394			
Volume-to-Capa		ntio (X)			0.658	_	0.853	0.161		0.136		0.570			
		/In (95 th percentile))		352.8		225.6	43.6		32		192			
		eh/ln (95 th percent			14.1	14.1	9.0	1.7		1.3		7.7			
		RQ) (95 th percent			0.00	0.00	0.00	0.00		0.00		0.00			
Uniform Delay (14.1	14.1	25.7	4.1		34.0		30.5			
Incremental De					0.4	0.4	2.9	0.0		0.1		0.5			
Initial Queue De		·			0.0	0.0	0.0	0.0		0.0		0.0			
Control Delay (14.5	14.5	28.6	4.1		34.1		31.0			
Level of Service	e (LOS)				В	В	С	Α		С		С			
Approach Delay	. ,			14.5	5	В	12.9		В	31.5		С	0.0		
Intersection De						16	3.0						В		
A4 10: 1 1 =								14.50			NID			65	
Multimodal Re		// 00		4.00	EB		0.00	WB	Δ	0.00	NB		0.45	SB	D
Pedestrian LOS				1.89		В	0.65	_	A	2.32		В	2.15		В
Bicycle LOS Sc	ore / LC	JS		1.64	1	В	1.03	5	Α			F			

HCS7 Signalized Intersection Results Summary

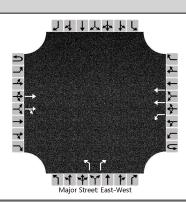
General Inform	nation							l	ntersec	tion Info	ormatio	on	لړ	석가하↑	يا دار
Agency		вні						1	Duration	, h	0.250	1			
Analyst		MG		Analys	sis Dat	e Jun 1	1, 2021		Area Typ		Other		4		<u>~</u>
Jurisdiction		COA		Time F					PHF		0.92		→	w∱E	- 4
Urban Street		La Cuentista		Analys	sis Yea	r 2024		1	\nalysis	Period	1> 7:0	00	- - 3		¥ ∵
Intersection		Paseo & Kimmick		File Na			Paseo a			cliffs.xus				5 7	<u></u>
Project Descrip	tion	2024B_w/Cliff's_PN	Л										<u> </u>	4 1 4 4	747
Demand Inform	nation				EB			WB			NB			SB	
Approach Move	ement			L	Т	R	L	T	R	L	Т	R	L	Т	R
Demand (v), v	eh/h				492	9	342	125°	1	136		400			
Signal Informa	tion				1	. 1	. 1		1	<u> </u>				2	
Cycle, s	95.4	Reference Phase	2	1	1 5	= . :						/-			
Offset, s	95.4	Reference Point	End	·	1	7 R	5	7					2	3	4
Uncoordinated	Yes	Simult. Gap E/W	On	Green		40.0	24.3	0.0	0.0	0.0			_	-	
Force Mode	Fixed	Simult. Gap E/V	On	Yellow Red	2.0	4.0 2.0	4.0 2.0	0.0	0.0	0.0		_	Y	7	Y
Force Mode	rixeu	Simult. Gap 19/5	On	Reu	2.0	2.0	2.0	0.0	10.0	0.0		8	6	4	•
Timer Results				EBI	-	EBT	WB	L	WBT	NBL	.	NBT	SBL	-	SBT
Assigned Phase	е					2	1		6			8			
Case Number						8.3	1.0		4.0			9.0			
Phase Duration	ı, s		s			46.0	19.1		65.1			30.3		$\neg \vdash$	
Change Period	, (Y+R					6.0	6.0		6.0			6.0			
Max Allow Head	w Headway (<i>MAH</i>), s				3.0	3.1		3.0			3.3				
Queue Clearan	Allow Headway (MAH), s ue Clearance Time (g $_{\rm S}$), s					15.1	12.4	1	23.9			23.5			
Green Extension	n Time	(g _e), s				5.5	0.7		5.5			0.9			
Phase Call Pro	bability					1.00	1.00)	1.00			1.00			
Max Out Proba	bility					0.00	0.00)	0.00			0.21		工	
Movement Gro	oup Res	sults			EB			WB			NB			SB	
Approach Move				L	Т	R	L	Т	R	L	Т	R	L	Т	R
Assigned Move					2	12	1	6		3		18			
Adjusted Flow I), veh/h			273	272	372	1360		148		435			
	•	ow Rate (s), veh/h/l	n		1900	1888	1810	1809		1810		1610			
Queue Service	Time (q s), s			13.1	9.3	10.4	21.9		6.3		21.5			1
Cycle Queue C	learanc	e Time ($g \circ$), s			13.1	9.3	10.4	21.9		6.3		21.5			
Green Ratio (g					0.42	0.42	0.58	0.62		0.25		0.39			
Capacity (c), v					796	791	571	2241		461		632			
Volume-to-Cap	acity Ra	atio (X)			0.343	0.343	0.651	0.607		0.320		0.688			
Back of Queue	(Q), ft.	/In (95 th percentile))		177.4	176.4	172.5	304.4		121.5		316.8			
		eh/ln (95 th percent			7.1	7.1	6.9	12.2		4.9		12.7			
Queue Storage	Ratio (RQ) (95 th percent	tile)		0.00	0.00	0.00	0.00		0.00		0.00			
Uniform Delay	(d 1), s	/veh			18.8	18.8	12.8	11.1		28.9		24.1			
Incremental De	lay (d 2), s/veh			0.1	0.1	0.5	0.1		0.1		1.6			
Initial Queue De	elay (d	з), s/veh			0.0	0.0	0.0	0.0		0.0		0.0			
Control Delay (d), s/ve	eh			18.9	18.9	13.3	11.2		29.0		25.8			
Level of Service	e (LOS)				В	В	В	В		С		С			
Approach Delay	y, s/veh	/LOS		18.9	9	В	11.6	3	В	26.6		С	0.0		
Intersection De	lay, s/ve	eh / LOS				16	3.1						В		
D. 14: 1 -) A (T)			NID			65	
Multimodal Re		// 00		4.0	EB		0.00	WB	Δ	0.00	NB	_	0.45	SB	Б
Pedestrian LOS				1.91	-	В	0.68	-	A	2.32		В	2.15		В
Bicycle LOS Sc	ore / LC	JS		0.94	1	Α	1.92	<u> </u>	В			F			

	HCS7 Two-Way Stop	o-Control Report	
General Information		Site Information	
Analyst	MG	Intersection	Paseo and Kimmick
Agency/Co.	вні	Jurisdiction	COA
Date Performed	5/5/2021	East/West Street	Paseo del Norte
Analysis Year	2024	North/South Street	Kimmick
Time Analyzed	2024B_AM PEAK	Peak Hour Factor	0.92
Intersection Orientation	East-West	Analysis Time Period (hrs)	0.25
Project Description	La Cuentista (w/Cliff's, 1-stage)		



Vehicle Volumes and Adj	ustme	nts														
Approach		Easth	oound			Westl	oound			North	bound			South	bound	
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	2	0	0	1	2	0		1	0	1		0	0	0
Configuration			Т	TR		L	Т			L		R				
Volume (veh/h)			1285	2	0	217	387			34		207				
Percent Heavy Vehicles (%)					2	2				2		2				
Proportion Time Blocked																
Percent Grade (%)										()					
Right Turn Channelized										N	О					
Median Type Storage				Undi	vided											
Critical and Follow-up He	eadwa	ys														
Base Critical Headway (sec)						4.1				7.5		6.9				
Critical Headway (sec)						4.14				6.84		6.94				
Base Follow-Up Headway (sec)						2.2				3.5		3.3				
Follow-Up Headway (sec)						2.22				3.52		3.32				
Delay, Queue Length, and	d Leve	l of S	ervice													
Flow Rate, v (veh/h)	Π					236				37		225				
Capacity, c (veh/h)						484				24		382				
v/c Ratio						0.49				1.57		0.59				
95% Queue Length, Q ₉₅ (veh)						2.6				4.7		3.6				
Control Delay (s/veh)						19.3				636.6		27.1				
Level of Service (LOS)						С				F		D				
Approach Delay (s/veh)						6	.9			11	3.1					
Approach LOS																

	HCS7 Two-Way Stop	o-Control Report	
General Information		Site Information	
Analyst	MG	Intersection	Paseo and Kimmick
Agency/Co.	вні	Jurisdiction	COA
Date Performed	5/5/2021	East/West Street	Paseo del Norte
Analysis Year	2024	North/South Street	Kimmick
Time Analyzed	2024B_PM PEAK	Peak Hour Factor	0.92
Intersection Orientation	East-West	Analysis Time Period (hrs)	0.25
Project Description	La Cuentista (w/Cliff's, 1-stage)		

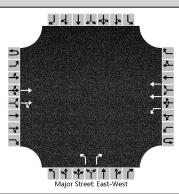


Approach	T	Easth	ound			Westl	oound			Northl	oound			South	bound	
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	R
Priority	10	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	2	0	0	1	2	0		1	0	1		0	0	0
	0	0		-	U			0		-	0			U	0	0
Configuration	-		T	TR		L	T			L		R				
Volume (veh/h)			492	9	0	342	1251			136		400				
Percent Heavy Vehicles (%)					2	2				2		2				
Proportion Time Blocked																
Percent Grade (%)										()					
Right Turn Channelized										N	О					
Median Type Storage				Undi	vided											
Critical and Follow-up H	eadwa	ys														
Base Critical Headway (sec)						4.1				7.5		6.9				
Critical Headway (sec)						4.14				6.84		6.94				
Base Follow-Up Headway (sec)						2.2				3.5		3.3				
Follow-Up Headway (sec)						2.22				3.52		3.32				
Delay, Queue Length, an	d Leve	l of Se	ervice													
Flow Rate, v (veh/h)						372				148		435				
Capacity, c (veh/h)						1021				35		725				
v/c Ratio						0.36				4.21		0.60				
95% Queue Length, Q ₉₅ (veh)						1.7				17.3		4.0				
Control Delay (s/veh)						10.5				1676.7		17.1				
Level of Service (LOS)						В				F		С				
Approach Delay (s/veh)						2	.3			43	8.2					
	_				_											

YES	Minor Approach > 100	YES	YES		Cotinging Works	Satisties Wallalit 3D	ON	YES
ıt 3A	ntersection Voume > 800	YES	YES		Volume	EB + WB	1,025	2,094
Satisfies Warrant 3A	Intersection	λ	Υ		Major Street Approach Volume	WB	421	1,593
Sat					Major 8	EB	604	501
	ia 4 Hours)	YES	YES		Volume	High Vol	241	336
	Peak Hour Delay (Criteria 4 Hours)	7.57 Hours in AM	40.90 Hours in PM		Ainor Street Approach Volume	SB	0	0
	Peak H	7.57	40.90		Minor S	NB	241	336
						Time	AM Peak	PM Peak
		2024 Build	(w/Cliff's, 1-stage)	Paseo and Kimmick	2 Lane	Paseo del Norte (E/W)	kimmick (N/S)	
		Scenario:		Intersection:	Type:	Major Street (Orientation): Paseo del Norte (E/W)	Minor Street (Orientation): kimmick (N/S)	

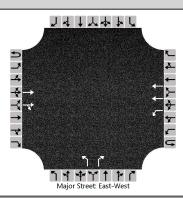
-	e	es & 1 Lane	2 or More Lanes & 2 or More Lanes	nmick								3200
-	1 Lane & 1 Lane	2 or more Lanes & 1 Lane	2 or More Lan	Paseo and Kimmick								2800
-								ak				2400
ie Warrant								PM Peak ◆				2000
Peak Hour Volume Warrant								Applicable Threshold				1600 2000
_												1200
-									AM Peak			800
006		800	9		/	000	500	400	000	700	100	400

	HCS7 Two-Way Stop	o-Control Report	
General Information		Site Information	
Analyst	MG	Intersection	Paseo and Kimmick
Agency/Co.	вні	Jurisdiction	COA
Date Performed	5/5/2021	East/West Street	Paseo del Norte
Analysis Year	2024	North/South Street	Kimmick
Time Analyzed	2024B_AM PEAK	Peak Hour Factor	0.92
Intersection Orientation	East-West	Analysis Time Period (hrs)	0.25
Project Description	La Cuentista (w/Cliff's, 2-stage)		



Approach		Eastb	oound			Westl	oound			North	bound			South	bound	
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	F
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	1.
Number of Lanes	0	0	2	0	0	1	2	0		1	0	1		0	0	(
Configuration			Т	TR		L	Т			L		R				
Volume (veh/h)			1285	2	0	217	387			34		207				
Percent Heavy Vehicles (%)					2	2				2		2				
Proportion Time Blocked																
Percent Grade (%)										()					
Right Turn Channelized										N	О					
Median Type Storage				Left	Only								1			
Critical and Follow-up H	eadwa	ys														
Base Critical Headway (sec)						4.1				7.5		6.9				
Critical Headway (sec)						4.14				6.84		6.94				
Base Follow-Up Headway (sec)						2.2				3.5		3.3				
Follow-Up Headway (sec)						2.22				3.52		3.32				
Delay, Queue Length, an	d Leve	l of S	ervice													
Flow Rate, v (veh/h)						236				37		225				
Capacity, c (veh/h)						484				108		382				
v/c Ratio						0.49				0.34		0.59				Г
95% Queue Length, Q ₉₅ (veh)						2.6				1.4		3.6				Г
Control Delay (s/veh)						19.3				54.6		27.1				
Level of Service (LOS)						С				F		D				
Approach Delay (s/veh)						6	.9			30).9					
Approach LOS										[)					

	HCS7 Two-Way Stop	o-Control Report	
General Information		Site Information	
Analyst	MG	Intersection	Paseo and Kimmick
Agency/Co.	вні	Jurisdiction	COA
Date Performed	5/5/2021	East/West Street	Paseo del Norte
Analysis Year	2024	North/South Street	Kimmick
Time Analyzed	2024B_PM PEAK	Peak Hour Factor	0.92
Intersection Orientation	East-West	Analysis Time Period (hrs)	0.25
Project Description	La Cuentista (w/Cliff's, 2-stage)		



Vehicle Volumes and Adju	ıstme	nts														
Approach		Eastb	ound			Westl	oound			North	bound			South	bound	
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	2	0	0	1	2	0		1	0	1		0	0	0
Configuration			Т	TR		L	Т			L		R				
Volume (veh/h)			492	9	0	342	1251			136		400				
Percent Heavy Vehicles (%)					2	2				2		2				
Proportion Time Blocked																
Percent Grade (%)										()					
Right Turn Channelized										N	О					
Median Type Storage				Left	Only								1			
Critical and Follow-up He	adwa	ys														
Base Critical Headway (sec)						4.1				7.5		6.9				
Critical Headway (sec)						4.14				6.84		6.94				
Base Follow-Up Headway (sec)						2.2				3.5		3.3				
Follow-Up Headway (sec)						2.22				3.52		3.32				
Delay, Queue Length, and	Leve	l of S	ervice													
Flow Rate, v (veh/h)						372				148		435				
Capacity, c (veh/h)						1021				98		725				
v/c Ratio						0.36				1.50		0.60				
95% Queue Length, Q ₉₅ (veh)						1.7				11.2		4.0				
Control Delay (s/veh)						10.5				348.9		17.1				
Level of Service (LOS)						В				F		С				
Approach Delay (s/veh)						2	.3			10	1.3					
Approach LOS										ı	=					

Minor Approach > 100 NO NO 9 Satisfies Warrant 3A

Satisfies Warrant 3B

99

			Peak Ho	Peak Hour Delay (Criteria 4 Hours)	ia 4 Hours)		Intersection \	Intersection Voume > 650
Scenario:	2024 Build		0.41	0.41 Hours in AM	ON		S∃A	S
	(w/out Cliff's, 1-Stage)		0.16	0.16 Hours in PM	NO		YES	S
Intersection:	Paseo and Kimmick							
Type:	2 Lane		Minor S	Minor Street Approach Volume	Volume	Major S	Major Street Approach Volume	olume,
Major Street (Orientation): Paseo del I	Paseo del Norte (E/W)	Time	NB	SB	lo∨ high	EB	MB	EB + WB
Minor Street (Orientation): Kimmick	Kimmick (N/S)	AM Peak	89	0	89	1,288	421	1,709
		PM Peak	44	0	44	500	1,382	1,882

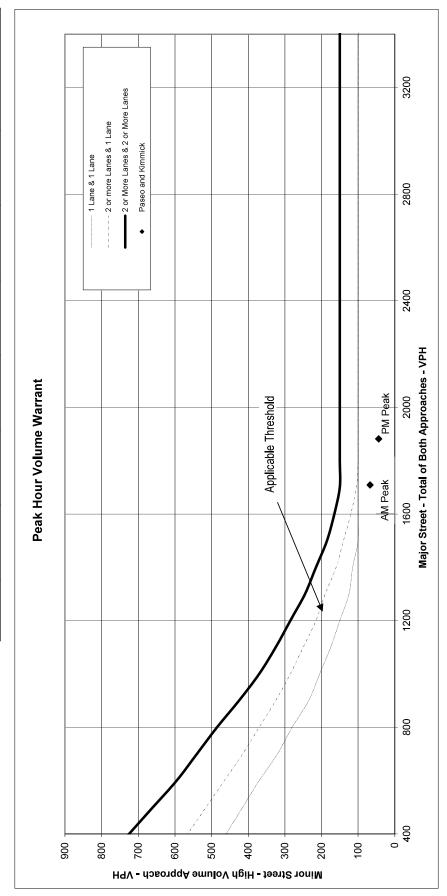
	- 1 Lane & 1 Lane - 2 or more Lanes & 1 Lane - 2 or More Lanes & 2 or More Lanes	nmick				3200
	1 Lane & 1 Lane 2 or more Lanes & 1 Lane	Paseo and Kimmick				2800
						2400
Peak Hour Volume Warrant			Applicable Threshold		k 🔶 PM Peak	1600 2000 Maior Street - Total of Both Approaches - VPH
Peak Hour			Ą		♦ AM Peak	1600 Maior Street - Tota
						1200
						800
	000	000 000	400	200		400

Satisfies Warrant 3A NO

Scenario: 2024 Build (w/out Cliffs, 2-Stage)
Intersection: Paseo and Kimmick

Intersection:	Paseo and Kimmick	
Type:	2 Lane	
Major Street (Orientation): Paseo del Norte (E/W)	Paseo del Norte (E/W)	Tim
Minor Street (Orientation): Kimmick (N/S)	Kimmick (N/S)	ΑM
		2

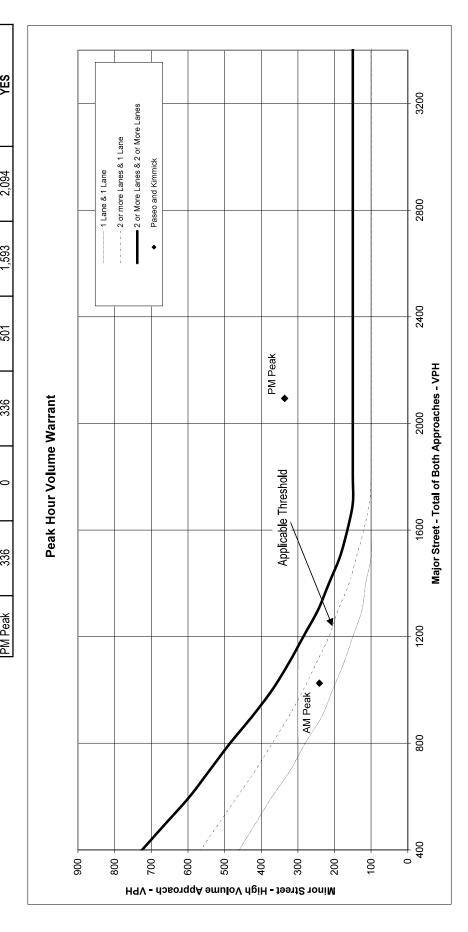
_			l	0	ם		
Minor Approach > 100	ON	ON		Catisfice Warrant 3D	Satisfies Walfallt	ON	ON
ntersection Voume > 800	YES	YES		Volume	EB + MB	1,709	1,882
Intersection	Ь	Ь		Major Street Approach Volume	МВ	421	1,382
				Major S	EB	1,288	500
ia 4 Hours)	NO	ON		Volume	lo∨ dgiH	89	77
Peak Hour Delay (Criteria 4 Hours)	0.37 Hours in AM	0.14 Hours in PM		Minor Street Approach Volume	as	0	0
Peak H	0.37	0.14		Minor S	NB	89	44
					Time	AM Peak	PM Peak



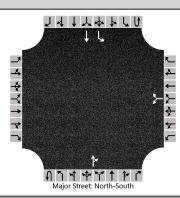
YES	Minor Approach > 100	YES	YES		Cotinging Works	Satisties Wallalit 3D	ON	YES
ıt 3A	ntersection Voume > 800	YES	YES		Volume	EB + WB	1,025	2,094
Satisfies Warrant 3A	Intersection	λ	Υ		Major Street Approach Volume	WB	421	1,593
Sat					Major 8	EB	604	501
	ia 4 Hours)	YES	YES		Volume	High Vol	241	336
	Peak Hour Delay (Criteria 4 Hours)	7.57 Hours in AM	40.90 Hours in PM		Ainor Street Approach Volume	SB	0	0
	Peak H	7.57	40.90		Minor S	NB	241	336
						Time	AM Peak	PM Peak
		2024 Build	(w/Cliff's, 1-stage)	Paseo and Kimmick	2 Lane	Paseo del Norte (E/W)	kimmick (N/S)	
		Scenario:		Intersection:	Type:	Major Street (Orientation): Paseo del Norte (E/W)	Minor Street (Orientation): kimmick (N/S)	

-	e	es & 1 Lane	2 or More Lanes & 2 or More Lanes	nmick								3200
-	1 Lane & 1 Lane	2 or more Lanes & 1 Lane	2 or More Lan	Paseo and Kimmick								2800
-								ak				2400
ie Warrant								PM Peak ◆				2000
Peak Hour Volume Warrant								Applicable Threshold				1600 2000
_												1200
-									AM Peak			800
006		800	9		/	000	500	400	000	700	100	400

						Sati	Satisfies Warrant 3A	: 3A	YES
			Peak Ho	Peak Hour Delay (Criteria 4 Hours)	ia 4 Hours)		Intersection \	Intersection Voume > 800	Minor Approach > 100
Scenario:	2024 Build		2.07	2.07 Hours in AM	ON.		YES	S	YES
	(w/Cliff's, 1-stage)		5.80	5.80 Hours in PM	YES		YES	S	YES
Intersection:	Paseo and Kimmick								
Type:	2 Lane		Minor S	Minor Street Approach Volume	Volume	Major S	Major Street Approach Volume	/olume	Cotinging Warrant 2D
Major Street (Orientation): Paseo del Norte (E/W)	: Paseo del Norte (E/W)	Time	NB	SB	High Vol	EB	WB	EB + WB	Satisties Wallall 3D
Minor Street (Orientation): kimmick (N/S)	: kimmick (N/S)	AM Peak	241	0	241	604	421	1,025	ON
		DM Deak	336	c	336	501	1 503	2 007	VEC

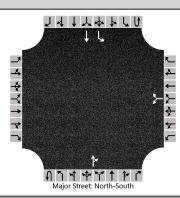


	HCS7 Two-Way Stop	o-Control Report					
General Information		Site Information					
Analyst	MG	Intersection	Unser and Rosa Parks				
Agency/Co.	вні	Jurisdiction	COA				
Date Performed	5/5/2021	East/West Street	Rosa Parks				
Analysis Year	2024	North/South Street	Unser Blvd				
Time Analyzed	2024B_AM PEAK	Peak Hour Factor	0.92				
Intersection Orientation	North-South	Analysis Time Period (hrs)	0.25				
Project Description	La Cuentista (1-stage)						



Approach		Easth	ound			Westl	oound			North	bound			South	bound	
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	0	0		0	1	0	0	0	1	0	0	1	1	0
Configuration							LR					TR		L	Т	
Volume (veh/h)						91		30			574	55		18	861	
Percent Heavy Vehicles (%)						2		2						2		
Proportion Time Blocked																
Percent Grade (%)							0									
Right Turn Channelized																
Median Type Storage				Undi	vided											
Critical and Follow-up H	eadwa	ys														
Base Critical Headway (sec)						7.1		6.2						4.1		
Critical Headway (sec)						6.42		6.22						4.12		
Base Follow-Up Headway (sec)						3.5		3.3						2.2		
Follow-Up Headway (sec)						3.52		3.32						2.22		
Delay, Queue Length, an	d Leve	l of S	ervice													
Flow Rate, v (veh/h)							132							20		
Capacity, c (veh/h)							135							909		
v/c Ratio							0.97							0.02		
95% Queue Length, Q ₉₅ (veh)							6.8							0.1		
Control Delay (s/veh)							133.5							9.0		
Level of Service (LOS)							F							Α		
Approach Delay (s/veh)						13	3.5							0	.2	
Approach LOS							F									

	HCS7 Two-Way Stop	o-Control Report					
General Information		Site Information					
Analyst	MG	Intersection	Unser and Rosa Parks				
Agency/Co.	вні	Jurisdiction	COA				
Date Performed	5/5/2021	East/West Street	Rosa Parks				
Analysis Year	2024	North/South Street	Unser Blvd				
Time Analyzed	2024B_PM PEAK	Peak Hour Factor	0.92				
Intersection Orientation	North-South	Analysis Time Period (hrs)	0.25				
Project Description	La Cuentista (1-stage)						



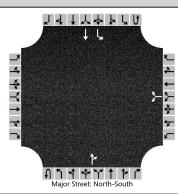
Approach		Easth	ound			Westl	oound			North	bound			South	bound			
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	R		
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6		
Number of Lanes		0	0	0		0	1	0	0	0	1	0	0	1	1	0		
Configuration							LR					TR		L	Т			
Volume (veh/h)						56		18			788	80		26	548			
Percent Heavy Vehicles (%)						2		2						2				
Proportion Time Blocked																		
Percent Grade (%)						()											
Right Turn Channelized																		
Median Type Storage				Undi	vided													
Critical and Follow-up H	eadwa	ys																
Base Critical Headway (sec)						7.1		6.2						4.1				
Critical Headway (sec)						6.42		6.22						4.12				
Base Follow-Up Headway (sec)						3.5		3.3						2.2				
Follow-Up Headway (sec)						3.52		3.32						2.22				
Delay, Queue Length, an	d Leve	l of S	ervice															
Flow Rate, v (veh/h)							80							28				
Capacity, c (veh/h)							142							727				
v/c Ratio							0.57							0.04				
95% Queue Length, Q ₉₅ (veh)							2.9							0.1				
Control Delay (s/veh)							59.0							10.2				
Level of Service (LOS)							F							В				
Approach Delay (s/veh)						59	9.0							0	.5			
Approach LOS					Ì		 F		Ì				0.5					

Sati	Satisfies Warrant 3A	YES
y (Criteria 4 Hours)	Intersection Voume > 650	Minor Approach > 100

						Sat	Satisties Warrant 3A	t 3A	YES
			Peak H	Peak Hour Delay (Criteria 4 Hours)	ia 4 Hours)		Intersection \	Intersection Voume > 650	Minor Approach > 100
Scenario:	2024 Build		4,49	4.49 Hours in AM	YES		X.	YES	YES
	(1 STAGE GAP)		1.21	1.21 Hours in PM	ON		J.	YES	ON
ntersection:	Unser and Rosa Parks								
rype:	1 Lane/2 Lane		Minor S	Minor Street Approach Volume	Volume	Major S	Major Street Approach Volume	Volume	Cotinging Warrant 3D
Major Street (Orientation): Unser (N/S)	: Unser (N/S)	Time	EB	WB	High Vol	NB	SB	NB + SB	Salisiles Wallallt 3D
Jinor Street (Orientation): Rosa Parks (E/W)	: Rosa Parks (E/W)	AM Peak	0	121	121	629	879	1,508	NO
		PM Peak	0	7.4	7.4	868	574	1 442	CN

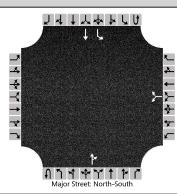
		1 Lane	2 or More Lanes	arks								3200
_	1 Lane & 1 Lane	2 or more Lanes & 1 Lane		 Unser and Rosa Parks 								2800
												2400
Peak Hour Volume Warrant							Applicable Threshold					2000
Peak Hour V							Applic		AM Peak	/ 	•	1600
-								X			PM Peak	1200
-								<u> </u>				800
006		000	1 002		009	One	00,00		700	100	C	400

	HCS7 Two-Way Stop	o-Control Report	
General Information		Site Information	
Analyst	MG	Intersection	Unser and Rosa Parks
Agency/Co.	вні	Jurisdiction	COA
Date Performed	5/5/2021	East/West Street	Rosa Parks
Analysis Year	2024	North/South Street	Unser Blvd
Time Analyzed	2024B_AM PEAK	Peak Hour Factor	0.92
Intersection Orientation	North-South	Analysis Time Period (hrs)	0.25
Project Description	La Cuentista (2-stage)		



Vehicle Volumes and Ad	Justine															
Approach		Eastb	ound			Westl	oound			North	bound			South	bound	
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	0	0		0	1	0	0	0	1	0	0	1	1	0
Configuration							LR					TR		L	Т	
Volume (veh/h)						91		30			574	55		18	861	
Percent Heavy Vehicles (%)						2		2						2		
Proportion Time Blocked																
Percent Grade (%)						()									
Right Turn Channelized																
Median Type Storage				Left	Only								1			
Critical and Follow-up H	eadwa	ys														
Base Critical Headway (sec)						7.1		6.2						4.1		
Critical Headway (sec)						6.42		6.22						4.12		
Base Follow-Up Headway (sec)						3.5		3.3						2.2		
Follow-Up Headway (sec)						3.52		3.32						2.22		
Delay, Queue Length, an	d Leve	l of S	ervice	,												
Flow Rate, v (veh/h)							132							20		
Capacity, c (veh/h)							274							909		
v/c Ratio							0.48							0.02		
95% Queue Length, Q ₉₅ (veh)							2.4							0.1		
Control Delay (s/veh)							29.7							9.0		
Level of Service (LOS)							D							А		
Approach Delay (s/veh)						29	9.7							0	.2	
Approach LOS					Ì	I)									

	HCS7 Two-Way Stop	o-Control Report					
General Information		Site Information					
Analyst	MG	Intersection	Unser and Rosa Parks				
Agency/Co.	вні	Jurisdiction	COA				
Date Performed	5/5/2021	East/West Street	Rosa Parks				
Analysis Year	2024	North/South Street	Unser Blvd				
Time Analyzed	2024B_PM PEAK	Peak Hour Factor	0.92				
Intersection Orientation	North-South	Analysis Time Period (hrs)	0.25				
Project Description	La Cuentista (2-stage)						



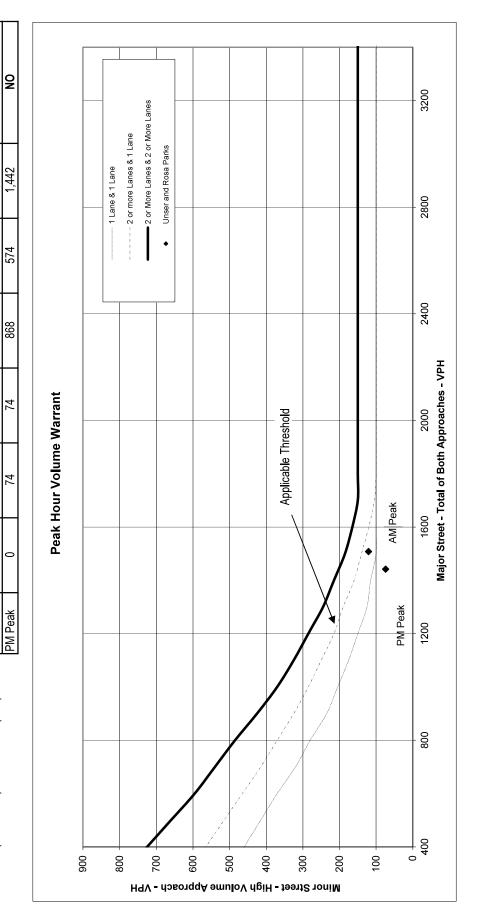
Vehicle Volumes and Ad	Justine															
Approach		Eastb	ound			Westl	oound			North	bound			South	bound	
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	R
Priority		10	11	12		7	8	9	1U	1	2	3	4U	4	5	6
Number of Lanes		0	0	0		0	1	0	0	0	1	0	0	1	1	0
Configuration							LR					TR		L	Т	
Volume (veh/h)						56		18			788	80		26	548	
Percent Heavy Vehicles (%)						2		2						2		
Proportion Time Blocked																
Percent Grade (%)						()									
Right Turn Channelized																
Median Type Storage				Left	Only								1			
Critical and Follow-up H	eadwa	ys														
Base Critical Headway (sec)						7.1		6.2						4.1		
Critical Headway (sec)						6.42		6.22						4.12		
Base Follow-Up Headway (sec)						3.5		3.3						2.2		
Follow-Up Headway (sec)						3.52		3.32						2.22		
Delay, Queue Length, an	d Leve	l of S	ervice	,												
Flow Rate, v (veh/h)							80							28		
Capacity, c (veh/h)							271							727		
v/c Ratio							0.30							0.04		
95% Queue Length, Q ₉₅ (veh)							1.2							0.1		
Control Delay (s/veh)							23.8							10.2		
Level of Service (LOS)							С							В		
Approach Delay (s/veh)						23	3.8							0	.5	
Approach LOS					Ì	(2									

Satisfies Warrant 3A NO

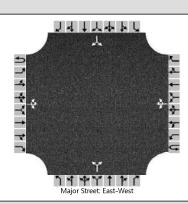
Scenario: 2024 Build
(2 STAGE GAP)
Intersection: Unser and Rosa Parks

Unser and Rosa Parks	1 Lane/2 Lane	Unser (N/S)	Rosa Parks (E/W)
Intersection:	Type:	Major Street (Orientation): Unser (N/S)	Minor Street (Orientation): Rosa Parks (E/W)

Minor Approach > 100	YES	ON	Catictice Warrant 3D	Salisiles Wallallt JD	ON	ON
Voume > 650	-	ES	Volume	NB + SB	1,508	1,442
Intersection Vc		K	Major Street Approach Volume	SB	879	574
Peak Hour Delay (Criteria 4 Hours) Intersection Voume > 650			Major S	an	679	898
	NO	NO	Vo l ume	loV dgiH	121	7.4
our Delay (Criter	1.00 Hours in AM	0.49 Hours in PM	Minor Street Approach Volume	ЯМ	121	74
Peak H	1.00	0.49	Minor S	EB	0	0
				Time	AM Peak	PM Peak



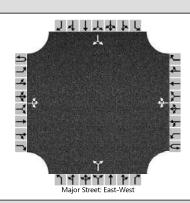
HCS7 Two-Way Stop-Control Report													
General Information		Site Information											
Analyst	MG	Intersection	Rosa Parks and Azucena										
Agency/Co.	вні	Jurisdiction	COA										
Date Performed	5/5/2021	East/West Street	Rosa Parks										
Analysis Year	2024	North/South Street	Azucena										
Time Analyzed	2024B_AM PEAK	Peak Hour Factor	0.92										
Intersection Orientation	East-West	Analysis Time Period (hrs)	0.25										
Project Description	La Cuentista												



Vehicle Volumes and Adju	ıstme	nts																
Approach		Eastb	ound			Westbound				North	bound			South	bound			
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	R		
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12		
Number of Lanes	0	0	1	0	0	0	1	0		0	1	0		0	1	0		
Configuration			LTR				LTR				LR				LR			
Volume (veh/h)		8	26	2		2	61	7		7		6		21		23		
Percent Heavy Vehicles (%)		2				2				2		2		2		2		
Proportion Time Blocked																		
Percent Grade (%)										()			(0			
Right Turn Channelized																		
Median Type Storage		Undivided																
Critical and Follow-up He	adwa	ys																
Base Critical Headway (sec)		4.1				4.1				7.1		6.2		7.1		6.2		
Critical Headway (sec)		4.12				4.12				7.12		6.22		7.12		6.22		
Base Follow-Up Headway (sec)		2.2				2.2				3.5		3.3		3.5		3.3		
Follow-Up Headway (sec)		2.22				2.22				3.52		3.32		3.52		3.32		
Delay, Queue Length, and	Leve	l of Se	ervice															
Flow Rate, v (veh/h)		9				2					14				48			
Capacity, c (veh/h)		1526				1582					906				913			
v/c Ratio		0.01				0.00					0.02				0.05			
95% Queue Length, Q ₉₅ (veh)		0.0				0.0					0.0				0.2			
Control Delay (s/veh)		7.4				7.3					9.0				9.2			
Level of Service (LOS)		А				А					Α				Α			
Approach Delay (s/veh)		1	.7			0	.2		9.0				9.2					
Approach LOS										,	4			,	4			

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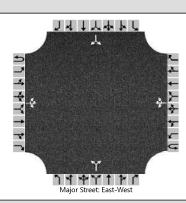
HCS7 Two-Way Stop-Control Report													
General Information		Site Information											
Analyst	MG	Intersection	Rosa Parks and Azucena										
Agency/Co.	вні	Jurisdiction	COA										
Date Performed	5/5/2021	East/West Street	Rosa Parks										
Analysis Year	2024	North/South Street	Azucena										
Time Analyzed	2024B_PM PEAK	Peak Hour Factor	0.92										
Intersection Orientation	East-West	Analysis Time Period (hrs)	0.25										
Project Description	La Cuentista												



Vehicle Volumes and Adju	ıstme	nts															
Approach		Eastb	ound			Westl	oound			North	bound			South	bound		
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	R	
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12	
Number of Lanes	0	0	1	0	0	0	1	0		0	1	0		0	1	0	
Configuration			LTR				LTR				LR				LR		
Volume (veh/h)		26	58	6		5	39	23		4		4		14		16	
Percent Heavy Vehicles (%)		2				2				2		2		2		2	
Proportion Time Blocked																	
Percent Grade (%)										()			()		
Right Turn Channelized																	
Median Type Storage		Undivided															
Critical and Follow-up He	adwa	ys															
Base Critical Headway (sec)		4.1				4.1				7.1		6.2		7.1		6.2	
Critical Headway (sec)		4.12				4.12				7.12		6.22		7.12		6.22	
Base Follow-Up Headway (sec)		2.2				2.2				3.5		3.3		3.5		3.3	
Follow-Up Headway (sec)		2.22				2.22				3.52		3.32		3.52		3.32	
Delay, Queue Length, and	Leve	l of Se	ervice														
Flow Rate, v (veh/h)		28				5					9				33		
Capacity, c (veh/h)		1534				1531					847				872		
v/c Ratio		0.02				0.00					0.01				0.04		
95% Queue Length, Q ₉₅ (veh)		0.1				0.0					0.0				0.1		
Control Delay (s/veh)		7.4				7.4					9.3				9.3		
Level of Service (LOS)		А				А					Α				А		
Approach Delay (s/veh)		2	.2			0	.6		9.3				9.3				
Approach LOS											4		А				

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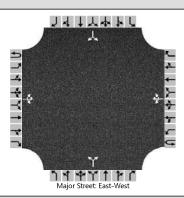
HCS7 Two-Way Stop-Control Report													
General Information		Site Information											
Analyst	MG	Intersection	Rosa Parks and Redroot										
Agency/Co.	вні	Jurisdiction	COA										
Date Performed	5/5/2021	East/West Street	Rosa Parks										
Analysis Year	2024	North/South Street	Redroot										
Time Analyzed	2024B_AM PEAK	Peak Hour Factor	0.92										
Intersection Orientation	East-West	Analysis Time Period (hrs)	0.25										
Project Description	La Cuentista												



Vehicle Volumes and Adju	ıstme	nts																
Approach		Eastb	ound			Westbound			Northbound					South	bound			
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	R		
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12		
Number of Lanes	0	0	1	0	0	0	1	0		0	1	0		0	1	0		
Configuration			LTR				LTR				LR				LR			
Volume (veh/h)		16	27	4		4	9	14		13		13		42		48		
Percent Heavy Vehicles (%)		2				2				2		2		2		2		
Proportion Time Blocked																		
Percent Grade (%)										()			(0			
Right Turn Channelized																		
Median Type Storage		Undivided																
Critical and Follow-up He	adwa	ys																
Base Critical Headway (sec)		4.1				4.1				7.1		6.2		7.1		6.2		
Critical Headway (sec)		4.12				4.12				7.12		6.22		7.12		6.22		
Base Follow-Up Headway (sec)		2.2				2.2				3.5		3.3		3.5		3.3		
Follow-Up Headway (sec)		2.22				2.22				3.52		3.32		3.52		3.32		
Delay, Queue Length, and	l Leve	l of S	ervice															
Flow Rate, v (veh/h)		17				4					28				98			
Capacity, c (veh/h)		1589				1578					909				957			
v/c Ratio		0.01				0.00					0.03				0.10			
95% Queue Length, Q ₉₅ (veh)		0.0				0.0					0.1				0.3			
Control Delay (s/veh)		7.3				7.3					9.1				9.2			
Level of Service (LOS)		А				А					А				А			
Approach Delay (s/veh)		2	.5			1.1			9.1				9.2					
Approach LOS										,	4		А					

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HCS7 Two-Way Stop-Control Report													
General Information		Site Information											
Analyst	MG	Intersection	Rosa Parks and Redroot										
Agency/Co.	вні	Jurisdiction	COA										
Date Performed	5/5/2021	East/West Street	Rosa Parks										
Analysis Year	2024	North/South Street	Redroot										
Time Analyzed	2024B_PM PEAK	Peak Hour Factor	0.92										
Intersection Orientation	East-West	Analysis Time Period (hrs)	0.25										
Project Description	La Cuentista												



Vehicle Volumes and Ad	justme	nts														
Approach	Τ	Eastb	oound			Westbound			Northbound					South	bound	
Movement	U	L	Т	R	U	L	Т	R	U	L	Т	R	U	L	Т	R
Priority	1U	1	2	3	4U	4	5	6		7	8	9		10	11	12
Number of Lanes	0	0	1	0	0	0	1	0		0	1	0		0	1	0
Configuration			LTR				LTR				LR				LR	
Volume (veh/h)		53	17	14		13	28	47		8		7		28		32
Percent Heavy Vehicles (%)		2				2				2		2		2		2
Proportion Time Blocked																
Percent Grade (%)										()				0	
Right Turn Channelized																
Median Type Storage		Undivided														
Critical and Follow-up H	eadwa	ys														
Base Critical Headway (sec)	Т	4.1				4.1				7.1		6.2		7.1		6.2
Critical Headway (sec)		4.12				4.12				7.12		6.22		7.12		6.22
Base Follow-Up Headway (sec)		2.2				2.2				3.5		3.3		3.5		3.3
Follow-Up Headway (sec)		2.22				2.22				3.52		3.32		3.52		3.32
Delay, Queue Length, an	d Leve	l of S	ervice	,												
Flow Rate, v (veh/h)	T	58				14					16				65	
Capacity, c (veh/h)		1516				1578					799				833	
v/c Ratio		0.04				0.01					0.02				0.08	
95% Queue Length, Q ₉₅ (veh)		0.1				0.0					0.1				0.3	
Control Delay (s/veh)		7.5				7.3					9.6				9.7	
Level of Service (LOS)		А				А					Α				Α	
Approach Delay (s/veh)		4	.8			1	.1			9	.6		9.7			
Approach LOS											4				A	

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