### **Appendix L3**

Transportation Assessment



#### **MEMORANDUM**

TO: Wes Pringle, Los Angeles Department of Transportation

FROM: Emily Wong, P.E.

Janet Ye. EIT

DATE: December 21, 2021

RE: Transportation Assessment for the

> 4th & Hewitt Project Los Angeles, California

This memorandum presents an assessment for the 4th & Hewitt Project (Project) located at 401 South Hewitt Street in the Arts District community of the City of Los Angeles (City). Since the issuance of the Los Angeles Department of Transportation's (LADOT) Inter-Departmental Correspondence: Updated Transportation Impact Analysis for the 4th and Hewitt Commercial Development Located at 405 South Hewitt Street (April 14, 2020) (LADOT Assessment Letter) relative to the *Transportation Impact Study for the 4<sup>th</sup> & Hewitt Project* (Gibson Transportation Consulting, Inc., Revised February 2020) (Approved Transportation Study), the Project's anticipated future buildout year has been refined.

The Project's potential California Environmental Quality Act (CEQA) transportation impacts were evaluated in the Approved Transportation Study in accordance with the adopted methodology and guidelines in effect at the time of the initial approval, Transportation Assessment Guidelines (LADOT, July 2019) (2019 TAG). LADOT has since released an updated version of Transportation Assessment Guidelines (July 2020) (2020 TAG); however, the CEQA analysis methodology and impact thresholds remain consistent with the 2019 TAG. Therefore, the analysis presented below is consistent with the guidelines and methodology of both the 2019 TAG and 2020 TAG. As further detailed below, the refinement to the Project's future buildout year would not affect the CEQA transportation impact analysis presented in the Approved Transportation Study. Therefore, the conclusions of the Approved Transportation Study remain valid, and no further CEQA analysis would be required.

The Project's non-CEQA transportation analysis in the Approved Transportation Study was based on the level of service (LOS) methodology, in accordance with the adopted methodology and guidelines at the time of the Project's Notice of Preparation, Transportation Impact Study Guidelines (LADOT, December 2016). According to LADOT guidance, the analysis presented in this memorandum satisfies the requirements for non-CEQA analysis of both the 2019 TAG and 2020 TAG.

**Ref:** J1509

#### APPROVED TRANSPORTATION STUDY

The Approved Transportation Study included the analysis of the Project with approximately 311,682 square feet (sf) of office space and approximately 8,149 sf of commercial space. The Project would retain the existing 7,800 sf building formerly occupied by the A+D Museum<sup>1</sup>, but replace the existing office and storage uses currently on-site. The Approved Transportation Study assumed full buildout of the Project in Year 2023.

Vehicular access to the on-site parking garage would be provided via two driveways on 4<sup>th</sup> Street. Access to the loading dock would be provided via Hewitt Street. Pedestrian access into the Project Site would be provided from Colyton Street into the existing building formerly occupied by the A+D Museum, from 4<sup>th</sup> Street and Hewitt Street to each of the ground floor uses, and from Colyton Street and Hewitt Street to the passageway to the commercial office building main lobby.

As detailed in the Approved Transportation Study, the Project would not result in a significant impact under any of the CEQA thresholds identified in the 2019 TAG and 2020 TAG, which include the following:

- Threshold T-1: Conflicting with plans, programs, ordinances, or policies
- Threshold T-2.1: Causing substantial vehicle miles traveled
- Threshold T-2.2: Substantially inducing automobile travel
- Threshold T-3: Substantially increasing hazards due to a geometric design feature or incompatible use

Thus, no mitigation measures would be required for the Project. Nevertheless, the Project would implement the following measures to address potential non-CEQA operational deficiencies that may result from the Project:

- Transportation Demand Management program to reduce overall trip generation by discouraging single occupancy vehicle use and by promoting the use of alternative travel modes.
- Areawide Transportation Management Organization to increase transit and mode choices in the Study Area

The Approved Transportation Study also proposed implementation of Transportation Systems Management (TSM) and physical improvement measures; however, those improvements were not available for Project implementation as TSM improvements have already been fully deployed in the Project area and the physical improvement measures were ultimately deemed infeasible by LADOT due to the geometric limitations of the existing intersection configurations.

<sup>&</sup>lt;sup>1</sup> At the time that the issuance of the Project's Notice of Preparation (September 20, 2017) and Approved Transportation Study (February 2020), the 7,800 sf existing building was occupied by the A+D Museum. In the summer of Year 2020, the A+D Museum moved out of the building and began operating virtually. The building is currently vacant. While there are no plans for reoccupation as of the date of this study, it is anticipated that the building would be re-occupied with a use that is consistent with historic uses, such as the A+D Museum. The Project's requested discretionary approvals would not physically alter the 7,800-sf building.

#### **PROJECT REFINEMENTS**

With the recent refinements to the Project, the development program would be maintained and would continue to include approximately 311,682 sf of office space and approximately 8,149 sf of commercial space, as well as retain the existing 7,800 sf building formerly occupied by the A+D Museum. In addition, the site access and circulation plan in the Approved Transportation Study would also be maintained. Therefore, no revisions to the CEQA impact analysis would be required, and the conclusions of the Approved Transportation Study remain valid.

However, the anticipated future buildout year of the Project has been extended from Year 2023 to Year 2025. Therefore, the non-CEQA Future Conditions operational analysis was updated to reflect Year 2025 conditions, to correspond with the refined anticipated buildout year of the Project. Details of the analysis are presented below.

#### **LOS Evaluation**

Consistent with the Approved Transportation Study, the LOS analysis was conducted for all 23 study intersections using the "Critical Movement Analysis (CMA) – Planning" (*Transportation Research Circular No. 212, Interim Materials on Highway Capacity*, Transportation Research Board, 1980) methodology.

Detailed LOS calculation worksheets are provided in the Attachment.

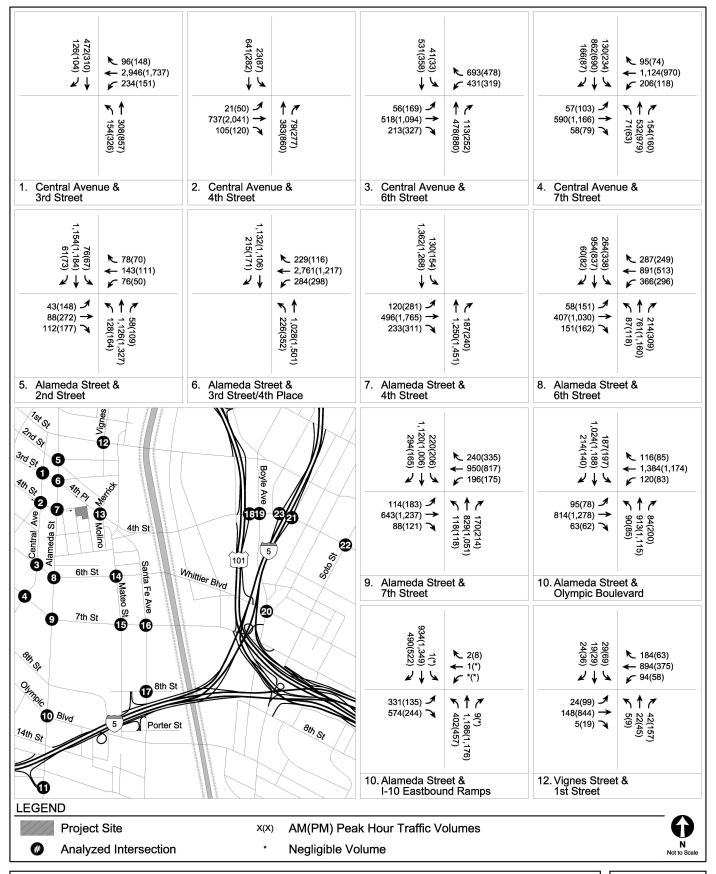
<u>Future Conditions</u>. All future cumulative traffic growth (i.e., ambient and Cumulative Project traffic growth) and transportation infrastructure improvements described in Chapter 3 of the Approved Transportation Study are incorporated into this analysis. The revised Future without Project Conditions, Future with Project Conditions, and Future with Project with Transportation Improvements Conditions traffic volumes for Year 2025 are illustrated in Figures 1 through 3.

Table 1 summarizes the results of the Future without Project, Future with Project, and Future with Project with Transportation Improvements Conditions during the weekday morning and afternoon peak hours for the 23 study intersections in Year 2025. As shown in Table 1, the Project's proposed transportation improvement measures from the Approved Transportation Study would also effectively improve the intersection operating conditions at the 23 study intersections under Future with Project Conditions in Year 2025.

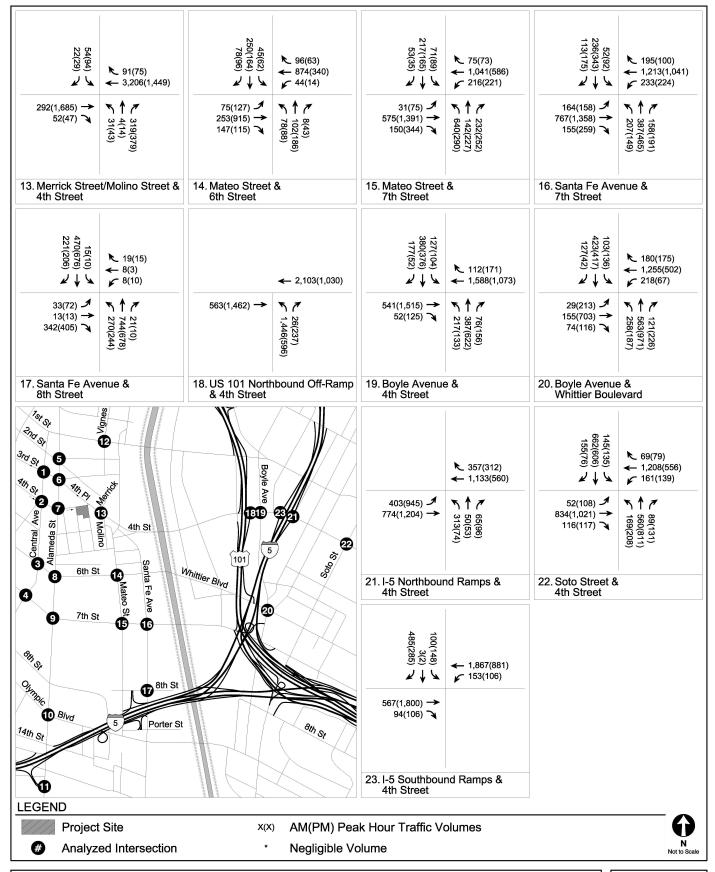
#### CONCLUSIONS

With the recent refinements to the Project, the development program and site access and circulation plan of the Approved Transportation Study would be maintained. Therefore, no additional CEQA transportation analysis would be required and the CEQA impact conclusions of the Approved Transportation Study remain valid. Although the buildout of the Project has been extended to Year 2025, the Project's operating conditions at the 23 study intersections would be consistent with those identified in the Approved Transportation Study. Furthermore, the Project's proposed transportation improvement measures outlined in the Approved Transportation Study would also effectively improve intersection operations in Year 2025. Therefore, no further improvement measures would be required.





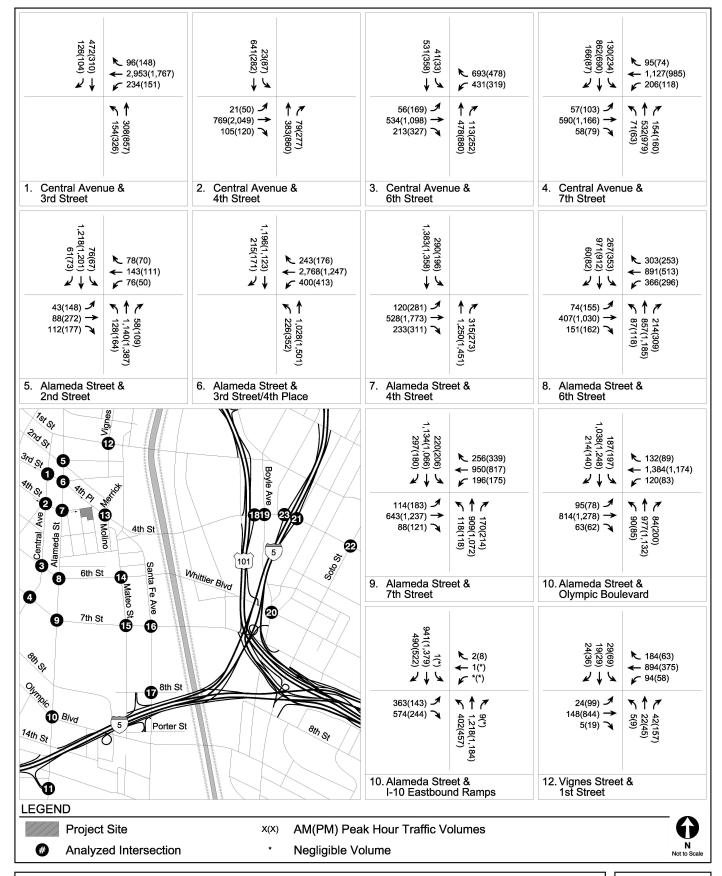




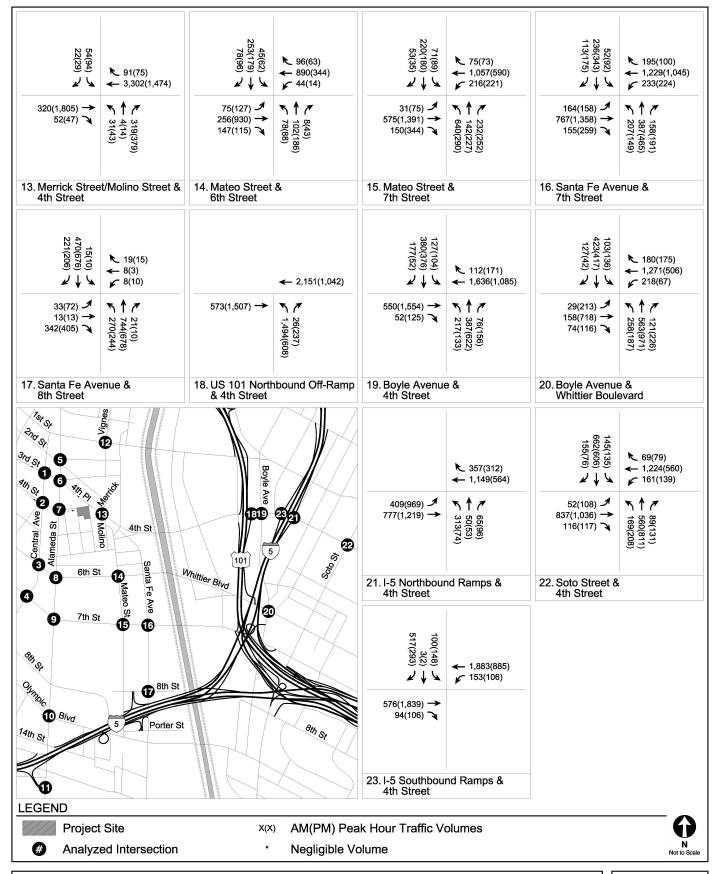
FUTURE WITHOUT PROJECT CONDITIONS (YEAR 2025)
PEAK HOUR TRAFFIC VOLUMES

FIGURE 1 (CONT.)

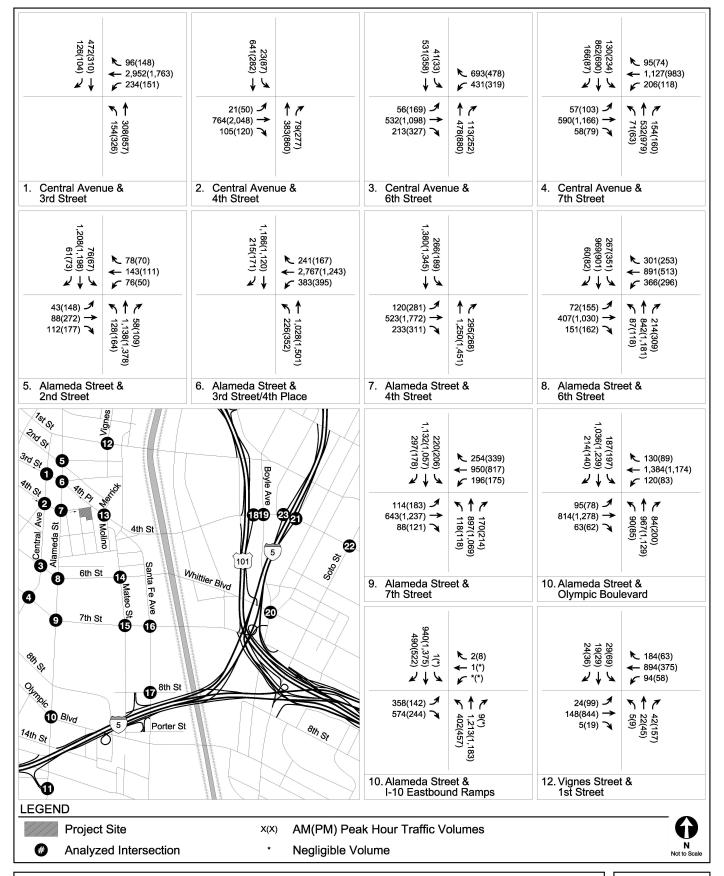




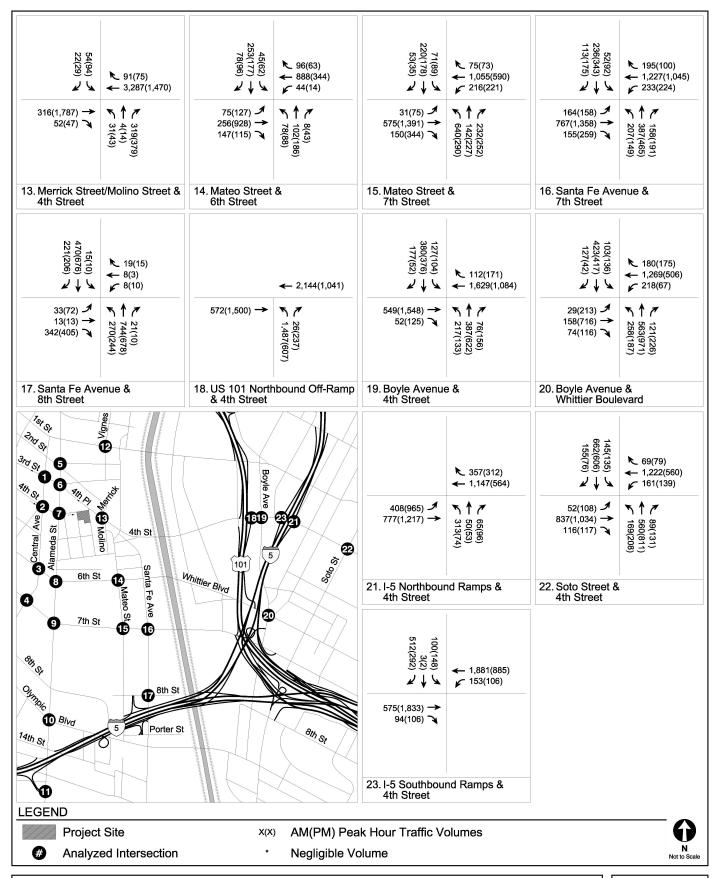












FUTURE WITH PROJECT WITH TRANSPORTATION IMPROVEMENTS CONDITIONS (YEAR 2025)
PEAK HOUR TRAFFIC VOLUMES

FIGURE 3 (CONT.)

TABLE 1
FUTURE WITH PROJECT CONDITIONS WITH TRANSPORTATION IMPROVEMENTS (YEAR 2025)
INTERSECTION LEVEL OF SERVICE

No.	Intersection	Peak Hour		out Project itions		th Project itions	Condition Transp	th Project ons with ortation ements
			V/C	LOS	V/C	LOS	V/C	LOS
1.	Central Avenue &	A.M.	0.776	С	0.761	С	0.751	С
	3rd Street	P.M.	0.605	В	0.599	Α	0.588	Α
2.	Central Avenue &	A.M.	0.384	Α	0.388	Α	0.376	Α
	4th Street	P.M.	0.748	С	0.734	С	0.724	С
3.	Central Avenue &	A.M.	0.647	В	0.642	В	0.631	В
	6th Street	P.M.	0.965	E	0.951	E	0.941	E
4.	Central Avenue &	A.M.	0.908	E	0.894	D	0.884	D
	7th Street	P.M.	0.954	E	0.937	E	0.927	E
5.	Alameda Street &	A.M.	0.602	В	0.611	В	0.597	Α
	2nd Street	P.M.	0.687	В	0.690	В	0.677	В
6.	Alameda Street &	A.M.	1.031	F	1.059	F	1.042	F
	3rd Street/4th Place	P.M.	0.821	D	0.852	D	0.835	D
7.	Alameda Street &	A.M.	0.621	В	0.761	С	0.729	С
	4th Street	P.M.	1.021	F	1.045	F	1.028	F
8.	Alameda Street &	A.M.	0.882	D	0.924	Е	0.906	E
	6th Street	P.M.	1.279	F	1.285	F	1.272	F
9.	Alameda Street &	A.M.	0.976	E	0.973	Е	0.961	E
	7th Street	P.M.	1.088	F	1.079	F	1.068	F
10.	Alameda Street &	A.M.	0.921	E	0.931	E	0.917	E
	Olympic Boulevard	P.M.	0.972	E	0.961	E	0.950	E
11.	Alameda Street &	A.M.	0.773	С	0.782	С	0.769	С
	I-10 Eastbound Ramps	P.M.	0.821	D	0.821	D	0.809	D
12.	Vignes Street &	A.M.	0.482	Α	0.471	Α	0.461	Α
	1st Street	P.M.	0.697	В	0.682	В	0.672	В
13.	Merrick Street/Molino Street &	A.M.	0.905	E	0.913	E	0.900	D
	4th Street	P.M.	0.761	С	0.763	С	0.751	С
14.	Mateo Street &	A.M.	0.574	Α	0.571	Α	0.559	Α
	6th Street	P.M.	0.526	Α	0.533	Α	0.521	Α
15.	Mateo Street &	A.M.	1.016	F	1.012	F	1.001	F
	7th Street	P.M.	1.198	F	1.185	F	1.175	F
16.	Santa Fe Avenue &	A.M.	0.994	E	1.000	Е	0.989	E
	7th Street	P.M.	1.220	F	1.220	F	1.210	F
17.	Santa Fe Avenue &	A.M.	0.684	В	0.671	В	0.661	В
	8th Street	P.M.	0.703	С	0.689	В	0.679	В
18.	US 101 Northbound Off-Ramp &	A.M.	0.859	D	0.869	D	0.854	D
	4th Street	P.M.	0.521	Α	0.521	Α	0.510	Α
19.	Boyle Avenue &	A.M.	0.841	D	0.834	D	0.822	D
	4th Street	P.M.	0.955	Е	0.941	Е	0.931	Е
20.	Boyle Avenue &	A.M.	0.798	С	0.787	С	0.776	С
	Whittier Boulevard	P.M.	0.803	D	0.788	С	0.777	С
21.	I-5 Northbound Ramps &	A.M.	0.925	Е	0.918	Е	0.906	Е
	4th Street	P.M.	0.974	E	0.974	Е	0.961	E
22.	Soto Street &	A.M.	0.736	С	0.726	С	0.715	С
	4th Street	P.M.	0.902	E	0.890	D	0.879	D
23.	I-5 Southbound Ramps &	A.M.	0.898	D	0.908	Е	0.894	D
	4th Street	P.M.	0.807	D	0.812	D	0.799	С

# Attachment LOS Worksheets





I/S #:	Nort	h-South Street:	Central	Avenue			Voor	of Count:	2017	Amb	ient Grow	/th: (%):	4	Condu	cted by:	G.	тс	Date:		12/9/2021	1
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		ATSAC-1 or ATSAC+		EB 0	WB	0	EB	0 W	<b>B</b> 0	EB	0	WB	0	EB	0	WB	0	EB	0	WB	0
	P		Capacity			2			2				2				2				2
		Overnac	Cupucity	EXISTI	NG CONDI	•	EXIST	ING PLUS P	ROJECT	FUTUR	E CONDITION	ON W/O PF	OJECT	FUTUF	RE CONDIT	ION W/ PR	_	FUTURE	W/ PROJE	CT W/ MIT	IGATION
		MOVEMENT			No. of	Lane	Project	Total	Lane	Added	Total	No. of	Lane	Added	Total	No. of	Lane	Added	Total	No. of	Lane
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8	Î	Through		282	2	141	0	282	141	3	308	2	154	0	308	2	154	0	308	2	154
王	Î,	Through-Right		0	0	0	0	0	0		0	0	0		0	0	0		0	0	0
NORTHBOUND	_^_ _^_	Right Left-Through-R	ight	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0	0	0	0 0	0
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1 0 N	<b>+</b>	Through		419	1	268	0	419	268	18	472	1	299	0	472	1	299	0	472	1	299
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ST	Right			89	1	89	0	89	89	0	96	1	96	0	96	1	96	0	96	1	96
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	VOLU	JME/CAPACITY (V/C	) RATIO:		JUIN.	0.738		JUNI.	0.738			JUNI.	0.876			JUNI.	0.877			JUNI.	0.877
V/C		ATSAC/ATCS ADJUS	•																		
V/C	LLUGF					0.638			0.638				0.776				0.777				0.777
		LEVEL OF SERVIC	EMARKS:			В			В				С				С				С

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT

12/13/2021-5:34 PM AM - TDM .xls





I/S #:	North-South Street:	Central	Avenue			Year	of Count:	2017	Amb	ient Grov	wth: (%):	1	Condu	cted by:	G <sup>-</sup>	ТС	Date:		12/9/2021	I
2	East-West Street:	4th Stre	et			Projec	tion Year:	2025		Pea	ak Hour:	AM	Revie	wed by:			Project:	40	01 S Hew	itt
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	ATSAC-1 or ATSAC+A Override O			2	2			2			,,,,	2			2	2			2	2
	Override	Japacity	EXISTI	NG CONDI	_	EXIST	ING PLUS P		FUTUR	E CONDITI	ON W/O PR		FUTUF	RE CONDIT	ION W/ PR	_	FUTURE	W/ PROJE	CT W/ MIT	•
	MOVEMENT		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
	Left		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NORTHBOUND	Left-Through Through		351	0 1	206	0	351	206	3	383	0	231	0	383	0	231	0	383	0	231
ORTHI	Through-Right Right	la d	60	0	60	0	60	60	14	79	1 0	79	0	79	1 0 0	79	0	79	1 0 0	79
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QNC	Left Left-Through		21	1 0	21	0	21	21	0	23	1 0	23	0	23	1 0	23	0	23	1 0	23
SOUTHBOUND			570	2 0 0	<b>285</b>	0	570 0	285	24	641	2 0 0	<b>321</b>	0	641	2 0 0	<b>321</b>	0	641	2 0 0	321
Sour	→ Left-Through-Right  ↓ Left-Right	ght	0	0 0 0	0	U	U	0	U	U	0	0	U	0	0	0	U	0	0	0
			19	1	19	0	19	19	0	21	1	21	0	21	1	21	0	21	1	21
ONNO	<ul><li>→ Left-Through</li><li>→ Through</li></ul>		374	0 2	187	32	406	203	332	737	0 2	369	32	769	0 2	385	-5	764	0 2	382
EASTBOUND	Through-Right Right		93	0 1	93	0	93	93	4	105	0	105	0	105	0	105	0	105	0	105
/3	Left-Right	ght		0							0				0				0	
Q			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ТВО	Q Left-Through  Through Through-Right Right Left-Through-Right		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WES	Right Left-Through-Right Left-Right	ght	0	0 0 0	0	0	0	0	0	0	0 0 0	0	0	0	0 0 0	0	0	0	0 0 0	0
	CRITICAL VO	DLUMES		th-South: ast-West: SUM:	285 187 472		rth-South: East-West: SUM:	285 203 488			th-South: ast-West: SUM:	321 369 690			th-South: ast-West: SUM:	321 385 706			th-South: ast-West: SUM:	321 382 703
	VOLUME/CAPACITY (V/C)				0.331			0.342				0.484				0.495				0.493
V/C	LESS ATSAC/ATCS ADJUS LEVEL OF SERVICE				0.231			0.242				0.384				0.395				0.393
<u> </u>		MARKS:			Α			Α				Α				Α				Α

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT

Change in v/c due to project: 0.011  $\Delta v/c$  after Significant impacted? NO Fully

 $\Delta v/c$  after mitigation: 0.009 Fully mitigated? N/A





I/S #:	North-	-South Street:	Central	Avenue			Year	of Count:	2017	Amb	ient Grov	vth: (%):	1	Condu	cted by:	G <sup>-</sup>	ТС	Date:		12/9/2021	
3	Eas	st-West Street:	6th Stre	et			Projec	tion Year:	2025		Pea	ak Hour:	AM	Revie	wed by:			Project:	40	01 S Hew	itt
1		ng: N/S-1, E/W-2 or		NB 0	SB	4 0 0	NB	0 SE	4 0 3 0	NB	0	SB	4 0 0	NB	0	SB	4 0 0	NB	0	SB	4 0 0
Right	Turns: F	FREE-1, NRTOR-2 o	r OLA-3?	EB 0	WB	0	EB	0 W		EB	0	WB	0	EB	0	WB	0	EB	0	WB	0
	AT	SAC-1 or ATSAC+A Override (				2			2				2 0				2				2 0
				EXISTI	NG CONDI	TION	EXIST	NG PLUS P	ROJECT	FUTUR	E CONDITI	ON W/O PR	OJECT	FUTUF	RE CONDIT	ION W/ PR	OJECT	FUTURE	W/ PROJE	CT W/ MIT	IGATION
		MOVEMENT		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
D	<b>*</b>	Left		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NORTHBOUND	7	Left-Through Through		401	0 1 1	239	0	401	239	44	478	0 1 1	296	0	478	0 1 1	296	0	478	0	296
E		Through-Right Right		77	0	77	0	77	77	30	113	0	113	0	113	0	113	0	113	0	113
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30		Through		489	2	245	0	489	245	1	531	2	266	0	531	2	266	0	531	2	266
SOUTHBOUND	4	Through-Right Right		0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0 0	0
o i	4	Left-Through-Ri	ght	U	0	U	U	U	U	0	U	0	U	0	U	0	U		U	0	U
တ	<i>بلہ</i>	Left-Right			0							0				0				0	
	ر ا	Left		44	1	44	0	44	44	8	56	1	56	0	56	1	56	0	56	1	56
₽				44	0	44	U	44	44	0	30	0	30	0	30	0	30		30	0	30
l lo	→ Through  → Through-Right			304	2	152	16	320	160	189	518	2	259	16	534	2	267	-2	532	2	266
E	Through-Right			111	0 1	111	0	111	111	93	213	0 1	213	0	213	0 1	213	0	213	0	213
EAS	<b>→</b>	Left-Through-Ri	ght	111	0	1111	U	111	111	93	213	0	213	0	213	0	213		213	0	213
		Left-Right			0							0				0				0	
	· ~	Left		303	1	303	0	303	303	103	431	1	431	0	431	1	431	0	431	1	431
N O	<del>,</del>	Left-Through		300	Ö	303		505	303	100	701	0	731		701	Ö	731		701	0	751
l g	<u>₹</u>	Through		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STB	t	Through-Right Right		530	0 2	282	0	530	282	119	693	0 2	361	0	693	0 2	361	0	693	0 2	361
WE	A Left-Through  Through-Right  Right  Left-Through-Right  Left-Through-Right  Left-Through-Right			330	0	202		550	202	113	093	0	301		093	0	501		033	0	301
		ODITIO4: V			th-South:	259		rth-South:	259			th-South:	337			th-South:	337			th-South:	337
	CRITICAL VOLUMES				ast-West: SUM:	455 714	"	East-West: SUM:	463 722		E	ast-West: SUM:	690 1027		Eá	ast-West: SUM:	698 1035		Eá	ast-West: SUM:	697 1034
	VOLUM	/IE/CAPACITY (V/C)	RATIO:		SUM:	0.519		SUM:	0.525			SUIVI:	0.747			SUIVI:	0.753			SUIVI:	0.752
V/C		TSAC/ATCS ADJUS				0.519 <b>0.419</b>			0.525 <b>0.425</b>				0.747 <b>0.647</b>				0.753 <b>0.653</b>				0.752 <b>0.652</b>
		LEVEL OF SERVICE				0.419 A			0.425 A				0.047 B				0.055 B				0.652 B
Щ			MARKS:																		

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT





Right Turns: FREE-1, NRTOR-2 or OLA-37   AFB- 0   AFB-	I/S #:	North-South	h Street:	Central	Avenue			Year	of Count:	2017	Amb	ient Grov	vth: (%):	1	Condu	cted by:	G <sup>-</sup>	ТС	Date:		12/9/2021	l
Commonweight   Comm	4	East-Wes	st Street:	7th Stre	et			Projec	tion Year:	2025		Pea	ak Hour:	AM	Revie	wed by:			Project:	40	01 S Hew	itt
Regin lums: Free-1, National Project   Figure	Орро	osed Ø'ing: N/S			ND 0	CD.	0	ND	0 61	0	N/D	0	CD.	0	ND	0	CD.	0	ND	0	CD.	2 0 0
ATSAC-1 or ATSAC-1 or ATSAC-1 or ATSAC-1 or ATSAC-2   2   2   0   0   0   0   0   0   0	Right	Turns: FREE-1	1, NRTOR-2 o	r OLA-3?								_										0
EXISTING CONDITION		ATSAC-1					2		-	2				2				2				2
No. of   Lane   No. of   Lane   No. of   Lane   No. of   Lane   Lane   No. of   Volume   No. of   No. of   No. of   No. of   No. of   No			Override C	Capacity	EVIÇTI	NG CONDI		EVIST	NG DI IIS DI		ELITLID	E CONDITI			CUTUE	E CONDIT	ION W/ DD	_	ELITLIDE	W/ DDO IE	CT W/ MIT	O IGATION
Volume   Volume   Lanes   Volume   Vo		MOVE	EMENT		LAIGIT																	Lane
Left-Through   Left-Through   Left-Through   Left-Through   Through   Left-Through   Left-Thro					Volume																	Volume
Color   Colo	D				66		66	0	66	66	0	71		71	0	71	•	71	0	71		71
Color   Colo	5	•	•		125		281	0	125	281	72	532		3/13	0	532	- T	3/13	0	532	0	343
Color   Colo	BG	l l	-		420	•	201	U	720	201	12	332		343		332	•	343		332	1	343
Color   Colo	R.	, .	•		137		137	0	137	137	6	154		154	0	154		154	0	154		154
Column   C	8	← Left		ght													•				•	
Left-Through   Through		Lei	ıt-Rigiit			U	į						U				0				U	
Sept	Ω	I I			34		34	0	34	34	93	130		130	0	130	0	130	0	130	0	130
Sept	N		•		708		461	0	708	461	05	862		774	0	862	1	774	0	862	1	774
Sept	BE		-		700		401	U	700	401	90	002		774	0	002		774	U	002	1	774
Sept	5	Rig ل	•		146		461	0	146	461	8	166		774	0	166		774	0	166		774
Second   S	SO			ght													•					
Column   C																						
Composition	٥				53	•	53	0	53	53	0	57		57	0	57	-	57	0	57	•	57
Composition	Š	Left-Through  → Through  → Through-Right			304	_	179	0	304	179	261	590		324	0	590		324	0	590	1	324
Composition	BO	Through  Through-Right  Right				•		_					1				•				1	
Composition	ASI			nht .	54		54	0	54	54	0	58		58	0	58	_	58	0	58		58
Through 732 1 409 3 735 411 331 1124 1 610 3 1127 1 611 -1 1126 1 61	ш	Left		gni													•				•	
Continue		*	-			,							,				,				,	
Through-Right  Right  86  0  8	9				177	-	177	0	177	177	14	206		206	0	206	•	206	0	206		206
MEDICAL PROBLEM         Matrix         Through-Right         1         2         2         2         3         2         <	l fo	← Thr	•		732		409	3	735	411	331	1124		610	3	1127		611	-1	1126	1	611
	TB(	Through-Right			00	•	00		00	00		0.5		0.5		05	1	0.5		05	1	0.5
	VES	Right  Left-Through-Right			86		86	0	86	86	2	95		95	0	95	_	95	0	95		95
	>	Left-Right				0							0				0				Ō	
			ILIMES																		845 668	
		,	LUMES	Eá			_				E				E				E		1513	
VOLUME 10 10 10 10 10 10 10 10 10 10 10 10 10		VOLUME/CAF	PACITY (V/C)	RATIO:																		1.009
	V/C	LESS ATSAC/A	ATCS ADJUS	TMENT:						0.561												0.909
		LEVEL	L OF SERVICE	E (LOS):			Α											E				E

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT





I/S #:	North	h-South Street:	Alamed	a Street			Year	of Count:	2017	Amb	ient Grov	vth: (%):	1	Condu	cted by:	G <sup>-</sup>	ТС	Date:		12/9/2021	I
5	Eas	st-West Street:	2nd Str	eet			Projec	tion Year:	2025		Pea	ak Hour:	AM	Revie	wed by:			Project:	40	01 S Hew	itt
			f Phases			3			3				3				3				3
		ing: N/S-1, E/W-2 or		NB 0	SB	0	NB	0 SE	0 3 0	NB	0	SB	0	NB	0	SB	0	NB	0	SB	0
Right	Turns:	FREE-1, NRTOR-2 o	or OLA-3?	EB 0	WB	0	EB	0 W		EB	0	WB	0	EB	0	WB	0	EB	0	WB	0
	A	TSAC-1 or ATSAC+				2			2				2				2				2
		Override	Capacity			0			0				0				0				0
		MOVEMENT		EXISTI	NG CONDI			NG PLUS P				ON W/O PR			RE CONDIT				W/ PROJE		
		MOVEMENT		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
	5	Left		118	1	118	0	118	118	0	128	1	128	0	128	1	128	0	128	1	128
NORTHBOUND	4	Left-Through		110	0			110			120	0	.20	Ĭ	120	0	.20		120	0	.20
l o	l †	Through		733	1	383	14	747	390	332	1126	1	592	14	1140	1	599	-2	1138	1	598
l 뿐	<b>→</b>	Through-Right			1		_					1				1		_		1	
l K		Right	laula 4	33	0 0	33	0	33	33	22	58	0 0	58	0	58	0	58	0	58	0	58
ž	<b>*</b>	Left-Through-Ri Left-Right	ignt		0							0				0				0	
		Lort Hight				i .															
D	<u> </u>	Left		70	1	70	0	70	70	0	76	1	76	0	76	1	76	0	76	1	76
S	_ ↓	Left-Through		000	0 1			050		405		0 1		0.4	1010	0	0.40	40	4000	0	225
BO	1	Through Through-Right		886	1	471	64	950	503	195	1154	1	608	64	1218	1	640	-10	1208	1	635
ΙĒ	ل ا	Right		56	0	56	0	56	56	0	61	0	61	0	61	0	61	0	61	0	61
SOUTHBOUND	4	Left-Through-Ri	ight		0							0				0				0	
0)	٠,	Left-Right			0							0				0				0	
	J	Left		40	1	40	0	40	40	0	43	1	43	0	43	1	43	0	43	1	43
9				40	0	40	U	40	40	0	43	0	40	U	43	0	40	U	40	0	43
l ā	→ Through  → Through-Right			72	1	72	0	72	72	10	88	1	88	0	88	1	88	0	88	1	88
EASTBOUND	Through  ☐ ☐ ☐ Through-Right  ☐ ☐ ☐ Right				0		_			_		0				0				0	
AS.	7	Right Left-Through-Ri	iaht	103	1 0	44	0	103	44	0	112	1 0	48	0	112	1 0	48	0	112	1 0	48
ш	→	Left-Right	igiit		0							0				0				0	
۵	<b>↓</b>	Left		67	1	67	0	67	67	3	76	1	76	0	76	1	76	0	76	1	76
WESTBOUND	<i>₹</i>	Left-Through		130	0 0	201	0	130	201	2	143	0 0	221	0	143	0 0	221	0	143	0	221
B0	Through			130	1	201	0	130	201	_	140	1	221		140	1	221		140	1	221
ST	Right Left-Through-Right			71	0	0	0	71	0	1	78	0	0	0	78	0	0	0	78	0	0
WE	Left-Through-Right Left-Right				0 0							0				0				0	
	<b>√</b>	Lett-Right		Non	th-South:	589	No	rth-South:	621		Nor	th-South:	736		Non	th-South:	768		Non	th-South:	763
		CRITICAL VO	OLUMES		ast-West:	241		ast-West:	241			ast-West:	264			ast-West:	264			ast-West:	264
					SUM:	830		SUM:	862			SUM:	1000			SUM:	1032			SUM:	1027
	VOLU	ME/CAPACITY (V/C)	) RATIO:			0.582			0.605				0.702				0.724				0.721
V/C	LESS A	TSAC/ATCS ADJUS	STMENT:			0.482			0.505				0.602				0.624				0.621
		LEVEL OF SERVIC	E (LOS):			Α			Α				В				В				В
		55	MADKS.																		

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT

Change in v/c due to project: 0.022  $\Delta v/c$  after mitigation: 0.019 Significant impacted? NO Fully mitigated? N/A





I/S #:	North-	-South Street:	Alamed	a Street			Year	of Count:	2017	Amb	ient Grov	wth: (%):	1	Condu	cted by:	G.	тс	Date:		12/9/2021	
6	Eas	st-West Street:	3rd Stre	et/4th Place	9		Projec	tion Year:	2025		Pea	ak Hour:	AM	Revie	wed by:			Project:	4	01 S Hewi	itt
1		ng: N/S-1, E/W-2 or		NB 0	SB	3 0 0	NB	0 SE	3 0 3 0	NB	0	SB	3 0 0	NB	0	SB	3 0 0	NB	0	SB	3 0 0
Right	Turns: F	FREE-1, NRTOR-2 o	r OLA-3?	EB 0	WB	0	EB	0 W		EB	0	WB	0	EB	0	WB	0	EB	0	<i>WB</i>	0
	AT	FSAC-1 or ATSAC+A Override (				2			2				2 0				2			'	2 0
				EXISTI	NG CONDI	TION	EXIST	ING PLUS PI	ROJECT	FUTUR	E CONDITI	ON W/O PR	OJECT	FUTUE	RE CONDIT	ION W/ PR	OJECT	FUTURE	W/ PROJE	CT W/ MIT	IGATION
		MOVEMENT		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
Ω	<b>^</b> +	Left		137	1	137	0	137	137	78	226	1	226	0	226	1	226	0	226	1	226
NORTHBOUND	7	Left-Through Through		653	0 2	327	0	653	327	321	1028	0 2	514	0	1028	0 2	514	0	1028	0 2	514
E	F C	Through-Right Right		0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Š	<b>↔</b>	Left-Through-Ri	ght		0	Ů		ŭ	ŭ		· ·	0	· ·		ŭ	0	ŭ		· ·	0	ŭ
	$\dot{\gamma}$	Left-Right			0							0				0				0	
	<i>(</i>	Left		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOUTHBOUND	<b>→</b>	Left-Through			0	ŭ		J	Ū	· ·	Ü	0	Ü		O	0	Ü		Ü	0	o l
301	<b> </b>	Through		866	2 0	433	64	930	465	194	1132	2	566	64	1196	2	598	-10	1186	2	593
불	4	Through-Right Right		196	0 1	196	0	196	196	3	215	0 1	215	0	215	0 1	215	0	215	0 1	215
000	4	Left-Through-Ri	ght	100	0	100		100	100		210	0	2.0		2.0	0	2.0		210	0	2.0
0)	٠,	Left-Right			0							0				0				0	
	ر ا	Left		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	☐ ☐ Left-Through ☐ Through ☐ Through-Right				0							0				0				0	
l g	Through-Right			0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STE	Through-Right Right			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EA	<b>→</b>	Left-Through-Ri	ght		0							0				0				0	
	$\vdash \dashv$	Left-Right			0							0				0				0	
	V	Left		151	0	151	116	267	267	120	284	0	284	116	400	0	400	-17	383	0	383
l N	<i>₹</i>	Left-Through Through		2050	1 2	640	7	225	600	205	0704	1 2	940	7	2760	1 2	050		0707	1 2	040
BO	4	Through-Right		2250	1	646	_ ′	2257	680	325	2761	1	819	<b>'</b>	2768	1	853	-1	2767	1	848
EST	Right			181	0	646	14	195	680	33	229	0	819	14	243	0	853	-2	241	0	848
Š	Left-Through-Right Left-Right				0 0							0				0 0				0	
					th-South:	570	No	rth-South:	602		Nor	th-South:	792		Nor	th-South:	824		Nor	th-South:	819
	CRITICAL VOLUMES				ast-West:	646	E	ast-West:	680		E	ast-West:	819		E	ast-West:	853		E	ast-West:	848
	VOLUM	ME/CAPACITY (V/C)	RATIO:		SUM:			SUM:	1282			SUM:	1611			SUM:	1677			SUM:	1667
V/C		TSAC/ATCS ADJUS				0.853 <b>0.753</b>			0.900				1.131 <b>1.031</b>				1.177				1.170
<b>"</b>		LEVEL OF SERVICE				0.753 C			0.800 <b>C</b>				1.031 F				1.077 F				1.070 F
<u> </u>			MADKS:			0											_				

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT

Change in v/c due to project: 0.046  $\Delta v/c$  after mitigation: 0.039 Significant impacted? YES Fully mitigated? NO





I/S #:	Nort	th-South Street:	Alamed	a Street			Year	of Count:	2017	Amb	ient Grov	vth: (%):	1	Condu	cted by:	G	тс	Date:		12/9/2021	I
7	Ea	ast-West Street:	4th Stre	eet				tion Year:	2025		Pea	ak Hour:	AM		wed by:			Project:	40	01 S Hew	itt
Орро	osed Ø	No. o j'ing: N/S-1, E/W-2 or	f Phases Both-3?			2 0			2				2				2				2
Right	Turns:	: FREE-1, NRTOR-2	or OLA-3?	NB 0	SB	0	NB	0 SE		NB	0	SB	0	NB	0	SB	0	NB	0	SB	0
		ATSAC-1 or ATSAC+	ATCS-2?	EB 0	WB	0 2	EB	0 W	B 0 2	EB	0	WB	0 2	EB	0	WB	0 2	EB	0	WB	0 2
	_	Override				0			0				0				0				0
				EXISTI	NG CONDI	TION	EXIST	NG PLUS P	ROJECT	FUTUR	E CONDITI	ON W/O PR	OJECT	FUTU	RE CONDIT	ION W/ PR	OJECT	FUTURE	W/ PROJE	CT W/ MIT	IGATION
		MOVEMENT			No. of	Lane	Project	Total	Lane	Added	Total	No. of	Lane	Added	Total	No. of	Lane	Added	Total	No. of	Lane
	~	1 -44		Volume	Lanes	Volume 0	Traffic	Volume 0	Volume	Volume	Volume 0	Lanes	Volume	Volume	Volume	Lanes	Volume	Volume	Volume	Lanes	Volume
₽	7	Left Left-Through		0	0 0	U	0	Ü	0	0	Ü	0 0	0	0	0	0	0	0	0	0 0	0
NORTHBOUND	1	Through		831	1	443	0	831	507	350	1250	1	719	0	1250	1	783	0	1250	1	773
Ř	<b>→</b>	Through-Right			1							1				1				1	
RT	<u>'</u> ~	Right		54	0	54	128	182	182	129	187	0	187	128	315	0	315	-19	296	0	296
8	$\Rightarrow$	Left-Through-R Left-Right	ight		0 0							0				0				0	
	$\Upsilon$	Lert-Right			U	i						U				U				U	
	<u>,</u>	Left		102	1	102	160	262	262	20	130	1	130	160	290	1	290	-24	266	1	266
N S	<b>→</b>	Left-Through			0							0				0		_		0	
ВО	1	Through Through-Right		977	2 0	489	21	998	499	304	1362	2	681	21	1383	2	692	-3	1380	2	690
王	ر	Right		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOUTHBOUND	4	Left-Through-R	ight	ŭ	0	ŭ		ŭ	ŭ		Ü	0	ŭ		ŭ	0	ŭ		ŭ	0	ŭ
S	Ļ	Left-Right			0							0				0				0	
	<i></i>	Left		83	0	83	0	83	83	30	120	0	120	0	120	0	120	0	120	0	120
₽				03	1	00	U	03	03	30	120	1	120		120	1	120	U	120	1	120
l io	→ Through  → Through-Right  → Right			268	2	117	32	300	128	206	496	2	205	32	528	2	216	-5	523	2	214
IB(	Through-Right Right			444	0 1	444		444	444	440	000	0 1	000		000	0	000	0	000	0	000
AS				114	0	114	0	114	114	110	233	0	233	0	233	0	233	0	233	0	233
ш	$\dashv$	Left-Right	.5		0							0				0				0	
	,																				
₽	<b>₹</b>	Left Left-Through		0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Š	←	Through		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TBC	4	Through-Right		_	0			-			-	0		-		0			-	0	
ES	Sight		:_L4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>	Left-Through-Right Left-Right				0 0							0				0 0				0 0	
	· *			Non	th-South:	545	No	rth-South:	769		Nor	th-South:	849		Nor	th-South:	1073		Nor	th-South:	1039
		CRITICAL V	OLUMES	Ea	ast-West:	117	E	ast-West:	128		E	ast-West:	233		Ea	ast-West:			E	ast-West:	233
	VO! :	IME/CADACITY (1//C	) DATIO:		SUM:	662		SUM:	897			SUM:	1082			SUM:				SUM:	
1//2		UME/CAPACITY (V/C	•			0.441			0.598				0.721				0.871				0.848
V/C	LESS	ATSAC/ATCS ADJUS				0.341			0.498				0.621				0.771				0.748
		LEVEL OF SERVIC	E (LOS):			Α			A				В				С				С

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT

Change in v/c due to project: 0.150  $\Delta v/c$  after mitigation: 0.127
Significant impacted? YES Fully mitigated? NO





I/S #:	North	h-South Street:	Alamed	a Street			Year	of Count:	2017	Amb	ient Grov	vth: (%):	1	Condu	cted by:	G <sup>-</sup>	ТС	Date:		12/9/2021	I
8	Eas	st-West Street:	6th Stre	et			Projec	tion Year:	2025		Pea	ak Hour:	AM	Revie	wed by:			Project:	40	01 S Hew	itt
			Phases			3			3				3				3				3
		ing: N/S-1, E/W-2 or		NB 0	SB	0	NB	0 SE	0 3 0	NB	0	SB	0	NB	0	SB	0	NB	0	SB	0
Right	Turns:	FREE-1, NRTOR-2 o	or OLA-3?	EB 0	WB	0	EB	0 W		EB	0	WB	0	EB	0	WB	0	EB	0	WB	0
	A	TSAC-1 or ATSAC+				2			2				2				2				2
		Override (	Capacity			0	_		0				0				0				0
		MOVEMENT		EXISTI	NG CONDI			NG PLUS P				ON W/O PR			RE CONDIT				W/ PROJE		
		MOVEMENT		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
	5	Left		72	1	72	0	72	72	9	87	1	87	0	87	1	87	0	87	1	87
N ON	7	Left-Through			0						0.	0	0.		0.	0	0.		٥.	0	0.
NORTHBOUND	Ì	Through		522	1	294	96	618	342	196	761	1	488	96	857	1	536	-14	843	1	529
≝	1	Through-Right			1							1				1				1	
l R	^	Right Left-Through-Ri	aht	65	0 0	65	0	65	65	144	214	0	214	0	214	0 0	214	0	214	0	214
ž	<del>}</del> }	Left-Right	gnt		0							0				0				0	
						i.															
D	<u> </u>	Left		47	1	47	3	50	50	213	264	1	264	3	267	1	267	-1	266	1	266
SOUTHBOUND	<u></u>	Left-Through		700	0 1	400	47	007	404	00	054	0 1	507	47	074	0	540		000	0	54.4
ВО	1	Through Through-Right		790	1	423	17	807	431	99	954	1	507	17	971	1	516	-3	968	1	514
ΙĔ	زر	Right		55	0	55	0	55	55	0	60	0	60	0	60	0	60	0	60	0	60
] [0]	<b>↔</b>	Left-Through-Ri	ght		0							0				0				0	
6	٠,	Left-Right			0							0				0				0	
	<u></u>	Left		43	1	43	16	59	59	11	58	1	58	16	74	1	74	-2	72	1	72
9	<u></u>	Left-Through		70	0	73	10	00	33		30	0	30	10	7-7	0	'-		12	0	12
l io	Through  → Through-Right			206	1	153	0	206	153	184	407	1	279	0	407	1	279	0	407	1	279
EASTBOUND	Through Right				1		_					1				1				1	
AS		Right Left-Through-Ri	aht	100	0 0	100	0	100	100	43	151	0	151	0	151	0 0	151	0	151	0	151
ш	*	Left-Right	giit		0							0				0				0	
					-																
۵	<b>↓</b>	Left		128	1	128	0	128	128	227	366	1	366	0	366	1	366	0	366	1	366
WESTBOUND	<b>↓</b>	Left-Through		627	0 1	368	0	627	376	212	891	0 1	589	0	891	0 1	597	0	891	0 1	596
_BO	Through  ← Through-Right			021	1	300		021	370	212	091	1	303		091	i	331		031	1	390
EST	Right Left-Through-Right			109	0	109	16	125	125	169	287	0	287	16	303	0	303	-2	301	0	301
WE	, Y	Left-Through-Ri	ght		0							0				0				0	
	<b>√</b>	Left-Right		Non	th-South:	495	No	rth-South:	503		Nor	th-South:	752		Non	th-South:	803		Non	th-South:	795
		CRITICAL VO	DLUMES		ast-West:	493		ast-West:	435			ast-West:	647			ast-West:	671			ast-West:	668
					SUM:	906		SUM:	938			SUM:	1399			SUM:	1474			SUM:	1463
	VOLUI	ME/CAPACITY (V/C)	RATIO:			0.636			0.658				0.982				1.034				1.027
V/C	LESS A	ATSAC/ATCS ADJUS	TMENT:			0.536			0.558				0.882				0.934				0.927
		LEVEL OF SERVIC	E (LOS):			Α			Α				D				E				E
			MARKS.																		

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT

Change in v/c due to project: 0.052  $\Delta v/c$  after mitigation: 0.045 Significant impacted? YES Fully mitigated? NO





I/S #:	North	n-South Street:	Alamed	a Street			Year	of Count:	2017	Amb	ient Grov	vth: (%):	1	Condu	cted by:	G	ТС	Date:		12/9/2021	
9	Eas	st-West Street:	7th Stre	eet			Projec	tion Year:	2025		Pea	ak Hour:	AM	Revie	wed by:			Project:	40	01 S Hewi	itt
Орро	osed Ø'i	No. of ing: N/S-1, E/W-2 or	Phases Both-3?			3		0 0	3 0				3				3				3
Right	Turns: I	FREE-1, NRTOR-2 o	or OLA-3?	NB 0 EB 0	SB WB	0	NB EB	0 SE 0 W		NB EB	0 0	SB WB	0	NB EB	0 0	SB WB	0	NB EB	0 0	SB WB	0
	A	TSAC-1 or ATSAC+	ATCS-2?		2	2	-5	0	2			2	2			2	2			2	2
		Override	Capacity			0			0				0				0				0
		MOVEMENT		EXISTI	NG CONDI			ING PLUS P				ON W/O PR			RE CONDIT					CT W/ MIT	
		MOVEMENT		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
0	Ĵ	Left		109	1	109	0	109	109	0	118	1	118	0	118	1	118	0	118	1	118
NORTHBOUND	4	Left-Through		004	0	057		704	007	4.5-7	000	0	500		000	0	5.40	4.0	007	0	50.4
BO	Ţ	Through Through-Right		621	1 1	357	80	701	397	157	829	1	500	80	909	1	540	-12	897	1	534
Η	7	Right		93	0	93	0	93	93	69	170	0	170	0	170	0	170	0	170	0	170
ğ	<b>\(\frac{1}{2}\)</b>	Left-Through-Ri	ight		0							0				0				0	
		Left-Right			0							0				0				0	
	C,	Left		127	1	127	0	127	127	82	220	1	220	0	220	1	220	0	220	1	220
N N	$\rightarrow$	Left-Through		127	0	127		121	121	02	220	0	220		220	0	220		220	0	220
30	<b>+</b>	Through		870	1	519	14	884	527	178	1120	1	707	14	1134	1	716	-2	1132	1	714
SOUTHBOUND	4	Through-Right Right		167	1 0	167	3	170	170	113	294	1 0	294	3	297	1 0	297	-1	296	1 0	296
.no	4	Left-Through-Ri	ight	107	0	107	3	170	170	113	294	0	294	3	291	0	291	-1	290	0	290
Ö	<b>ل</b> م	Left-Right			0							0				0				0	
	<u> </u>	Left			1		0	50	50	E4	444	1	444	0	444	1	444		444	1	444
₽	<u></u>	Left-Through		58	0	58	0	58	58	51	114	0	114	0	114	0	114	0	114	0	114
Ď	<b>→</b>	Through		309	1	195	0	309	195	308	643	1	366	0	643	1	366	0	643	1	366
EASTBOUND	<i>→</i>	Through-Right		0.4	1 0	0.4		0.4	0.4		00	1 0	00		00	1 0	00		00	1	00
.AS	<del>}</del>	Right Left-Through-Ri	iaht	81	0	81	0	81	81	0	88	0	88	0	88	0	88	0	88	0	88
ш	⊰	Left-Right	· 5···		0							0				0				0	
	· ·	l off		1 440	4	1 440		410	440	00	400	4	400		400	4	400		400	_	400
9	<i>₹</i>	Left Left-Through		118	1 0	118	0	118	118	68	196	1 0	196	0	196	1 0	196	0	196	1 0	196
Í	←	Through		661	1	380	0	661	388	234	950	1	595	0	950	1	603	0	950	1	602
TB(	Through-Right				1	6.5				46:	0.10	1	0.10		050	1	050		05.	1	05.1
/ES	Right  Left-Through-Right			98	0 0	98	16	114	114	134	240	0	240	16	256	0 0	256	-2	254	0	254
>	>	Left-Right			0					<u></u>		0				0				0	
		ODITIOAL N	OL LIMEO		th-South:	628		rth-South:	636			th-South:	825			th-South:	834			th-South:	832
		CRITICAL V	JLUWES	E E	ast-West: SUM:	438 1066		East-West: SUM:	446 1082		Ea	ast-West: SUM:	709 1534		Ea	ast-West: SUM:	717 1551		E	ast-West: SUM:	716 1548
	VOLU	ME/CAPACITY (V/C	) RATIO:		30W.	0.748		30W.	0.759			30111.	1.076			30W.	1.088			30111.	1.086
V/C		TSAC/ATCS ADJUS				0.748			0.759 <b>0.659</b>				0.976				0.988				0.986
		LEVEL OF SERVIC				0.040 B			0.033 B				0.570 E				0.360 E				0.500 E
<u> </u>			MARKS:																		_

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT





I/S #:	North-	-South Street:	Alamed	a Street			Year	of Count:	2017	Amb	ient Grov	vth: (%):	1	Condu	cted by:	G.	тс	Date:		12/9/2021	
10	East	st-West Street:	Olympic	c Boulevard	l		Projec	tion Year:	2025		Pea	ak Hour:	AM	Revie	wed by:			Project:	4	01 S Hew	itt
		ng: N/S-1, E/W-2 or		NB 0	SB	2 0 0	NB	0 SI	2 0 3 0	NB	0	SB	2 0 0	NB	0	SB	2 0 0	NB	0	SB	2 0 0
Right		REE-1, NRTOR-2 o		EB 0	WB	0	EB	0 W		EB	0	WB	0	EB	0	WB	0	EB	0	WB	0
	AT:	SAC-1 or ATSAC+A Override (				2			2				2				2 0				2
				EXISTI	NG CONDI	TION	EXIST	ING PLUS P	ROJECT	FUTUR	E CONDITI	ON W/O PR	ROJECT	FUTUF	RE CONDIT	ION W/ PR	OJECT	FUTURE	W/ PROJE	CT W/ MIT	IGATION
		MOVEMENT		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
₽	Ţ	Left		83	1	83	0	83	83	0	90	1	90	0	90	1	90	0	90	1	90
NORTHBOUND	7	Left-Through Through		680	0 1 1	379	64	744	411	177	913	0 1 1	499	64	977	0 1 1	531	-10	967	0	526
王	F	Through-Right Right		78	0	78	0	78	78	0	84	0	84	0	84	0	84	0	84	0	84
l g	<b>→</b>	Left-Through-Ri	ght		0						٠.	0	0.		0.	0	0.		٠.	0	0.
	$\dot{\gamma}$	Left-Right			0							0				0				0	
9	٠	Left		122	1	122	0	122	122	55	187	1	187	0	187	1	187	0	187	1	187
SOUTHBOUND	<u> </u>	Left-Through Through		769	0 2 0	385	14	783	392	191	1024	0 2 0	512	14	1038	0 2 0	519	-2	1036	0 2 0	518
III	7	Through-Right Right		198	1	157	0	198	157	0	214	1	167	0	214	1	167	0	214	1	167
000	<b>+</b>	Left-Through-Ri	ght		0			.00				0				0				0	
0)	٠,	Left-Right			0							0				0				0	
	)	Left		82	1	82	0	82	82	6	95	1	95	0	95	1	95	0	95	1	95
9	<u></u>	Left-Through		-	0							0			-	0				0	
l So	QN			616	1	337	0	616	337	147	814	1	439	0	814	1	439	0	814	1	439
STE	Through-Right  Right			58	0	58	0	58	58	0	63	0	63	0	63	0	63	0	63	0	63
EĄ	<b>†</b>	Left-Through-Ri	ght		0							0				0				0	
	$\sqcup \dashv \_$	Left-Right			0							0				0				0	
	r	Left		111	1	111	0	111	111	0	120	1	120	0	120	1	120	0	120	1	120
N N	₹	Left-Through			0							0				0				0	
301	7	Through Through-Right		1074	1 1	571	0	1074	579	221	1384	1 1	750	0	1384	1	758	0	1384	1	757
STI	Pints			67	0	67	16	83	83	43	116	0	116	16	132	Ö	132	-2	130	Ö	130
WE	Sight Left-Through-Right Left-Right				0 0							0 0				0 0				0 0	
		ODITION ::	N. 118450		th-South:	501		rth-South:	533			th-South:	686			th-South:	718			th-South:	713
		CRITICAL VO	DLUMES	Ea	ast-West: SUM:	653 1154	E	East-West: SUM:	661 1194		E	ast-West: SUM:	845 1531		Ea	ast-West: SUM:	853 1571		E	ast-West: SUM:	852 1565
	VOLUM	ME/CAPACITY (V/C)	RATIO:		30W.	0.769		30M.	0.796			30111.	1.021			30W.	1.047			30111.	1.043
V/C		rsac/atcs adjus				0.769 <b>0.669</b>			0.796				0.921				0.947				0.943
		LEVEL OF SERVIC				0.003 B			0.030 B				E				E				0.545 E
<u> </u>			MAPKS.	•						·			_	·							_

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT





I/S #:	Nort	th-South Street:	Alamed	la Street			Year	of Count:	2017	Amb	ient Grov	vth: (%):	1	Condu	cted by:	G	ТС	Date:		12/9/2021	I
11	Ea	ast-West Street:	I-10 EB	Ramps			Projec	tion Year:	2025		Pea	ak Hour:	AM	Revie	wed by:			Project:	40	01 S Hew	itt
Орре	osed Ø	No. o oʻing: N/S-1, E/W-2 or	f Phases Both-3?			4 0			4 0				4 0		·		4 0				4 0
Right	Turns:	: FREE-1, NRTOR-2	or OLA-3?	NB 0 EB 3	SB WB	3	NB EB	0 SI 3 W		NB EB	0	SB WB	3 0	NB EB	0 3	SB WB	3	NB EB	0 3	SB WB	3 0
		ATSAC-1 or ATSAC+	ATCS-2?	EB 3	VV D	2	<i></i>	3 77	2		3	WB	2		J	VV D	2		J	VV D	2
		Override	Capacity			0			0				0				0				0
		MOVEMENT		EXISTI	NG CONDI			ING PLUS P				ON W/O PR			RE CONDIT					CT W/ MIT	
		MOVEMENT		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
	7	Left		371	1	371	0	371	371	0	402	1	402	0	402	1	402	0	402	1	402
NORTHBOUND	4	Left-Through			0							0				0		_		0	
ВО	Î	Through Through-Right		1053	1 1	531	32	1085	547	46	1186	1 1	598	32	1218	1	614	-5	1213	1	611
Η	7	Right		8	0	8	0	8	8	0	9	0	9	0	9	0	9	0	9	0	9
Š	<b>→</b>	Left-Through-R	ight		0							0				0				0	
_	$ \uparrow $	Left-Right		<u> </u>	0							0				0				0	
	<i>(</i>	Left		I 1	1	1	0	1	1	0	1	1	1	0	1	1	1	0	1	1	1
l K	$\rightarrow$	Left-Through			0	,		•	·		•	0	•		·	0	·		·	0	
301	. ↓	Through		814	2 0	407	7	821	411	53	934	2	467	7	941	2	471	-1	940	2	470
SOUTHBOUND	لہ ر	Through-Right Right		428	1	151	0	428	119	27	490	1	159	0	490	1	127	0	490	1	132
no	<b>↔</b>	Left-Through-R	ight	120	0	101		120	110		100	0	100	Ů	100	0	,		100	0	102
S	٠,	Left-Right			0							0				0				0	
	ر ا	Left		277	1	277	32	309	309	31	331	1	331	32	363	1	363	-5	358	1	358
Ð	<b>→</b>	Left-Through		2	0		02	000	000	01	001	0		02	000	0	000		000	0	555
9	Through  Through-Right  Right			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3TB	Right			530	1	159	0	530	159	0	574	0 1	172	0	574	0 1	172	0	574	1	172
EAS	<b>→</b>	Left-Through-R	ight	000	0	100		000	100		07.1	0		Ů	07.1	0			07.1	0	.,,_
	$\dashv$	Left-Right		]	0							0				0				0	
	<i>C</i>	Left		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IND	$\checkmark$	Left-Through		Ĭ	0			ŭ			ŭ	0			ŭ	0			ŭ	0	
30L	<u>₹</u>	Through		1	0	0	0	1	0	0	1	0 0	0	0	1	0	0	0	1	0	0
STE	Q			2	0	0	0	2	0	0	2	0	0	0	2	0	0	0	2	0	0
WE	Left-Through-Right				0			_			_	0			_	0			_	0	
	≻	Left-Right			0 45 Caveth	770		#4h C=41	782		A4:	0 46 Causthi	900		A/-	0	070		A/-	0	070
		CRITICAL V	OLUMES		th-South: ast-West:	778 277		rth-South: East-West:	309			th-South: ast-West:	869 331			th-South: ast-West:	873 363			th-South: ast-West:	872 358
					SUM:			SUM:	1091			SUM:	1200			SUM:	1236			SUM:	1230
		UME/CAPACITY (V/C	•			0.767			0.793				0.873				0.899				0.895
V/C	LESS	ATSAC/ATCS ADJUS				0.667			0.693				0.773	1			0.799				0.795
		LEVEL OF SERVIC	E (LOS):			В			В				С				С				С
		DE	MARKS:																		

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT

Change in v/c due to proje	ect: 0.	026	∆v/c after mitigation:	0.022
Significant impacte	ed?	10	Fully mitigated?	N/A





I/S #:	North-Sou	uth Street:	Vignes	Street			Year	of Count:	2017	Amb	ient Grov	vth: (%):	1	Condu	cted by:	G <sup>-</sup>	тс	Date:		12/9/2021	
12	East-W	est Street:	1st Stre	et			Projec	tion Year:	2025		Pea	ak Hour:	AM	Revie	wed by:			Project:	40	01 S Hew	itt
		No. of N/S-1, E/W-2 or E-1, NRTOR-2 o		NB 0	SB	3 2 0	NB	0 SE		NB	0	SB	3 2 0	NB	0	SB	3 2 0	NB	0	SB	3 2 0
ig.i.c		C-1 or ATSAC+A		EB 0	WB	0	EB	0 W		EB	0	WB	0 2	EB	0	WB	0	EB	0	WB	0
	AISAC	Override C				2			2				0				2				2
				EXISTI	NG CONDI	TION	EXIST	NG PLUS P	ROJECT	FUTUR	E CONDITI	ON W/O PR	OJECT	FUTUF	RE CONDIT	ION W/ PR	OJECT	FUTURE	W/ PROJE	CT W/ MIT	IGATION
		OVEMENT		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
9		_eft _eft-Through		5	0 0	5	0	5	5	0	5	0 0	5	0	5	0	5	0	5	0 0	5
NORTHBOUND	∱ т	Γhrough		20	0	50	0	20	50	0	22	0	69	0	22	0	69	0	22	0	69
ᅵ▐	1	Γhrough-Right Right		25	0 0	0	0	25	0	15	42	0	0	0	42	0 0	0	0	42	0 0	0
l S	'	∟eft-Through-Ri	ght	20	1	Ŭ		20	Ü	10	72	1	Ü		72	1	Ü		72	1	Ů
	├ <mark>⊹</mark>	_eft-Right			0							0				0				0	
	G	_eft		27	0	27	0	27	27	0	29	0	29	0	29	0	29	0	29	0	29
SOUTHBOUND		_eft-Through		21	0			21		· ·	20	0	23		25	0	23		25	0	23
301		Through		18	0 0	67	0	18	67	0	19	0 0	72	0	19	0	72	0	19	0	72
I롣	R لہا	Through-Right Right		22	0	0	0	22	0	0	24	0	0	0	24	0	0	0	24	0	0
l og	→   L	_eft-Through-Ri	ght		1	Ŭ			ŭ			1	ŭ			1	· ·			1	ŭ
,	لمل L	_eft-Right			0							0				0				0	
	L	_eft		22	0	22	0	22	22	0	24	0	24	0	24	0	24	0	24	0	24
EASTBOUND		_eft-Through			1							1		_		1				1	
30.		Γhrough Γhrough-Right		116	1 0	102	0	116	102	22	148	1 0	146	0	148	1 0	146	0	148	1 0	146
STE	→ R	Right		5	1	5	0	5	5	0	5	1	5	0	5	1	5	0	5	1	5
E		_eft-Through-Rig	ght		0 0							0				0				0	
	¬,	_eft-Right			U	i						U				U				U	
		_eft		87	0	87	0	87	87	0	94	0	94	0	94	0	94	0	94	0	94
WESTBOUND		₋eft-Through Γhrough		822	1 0	540	0	822	540	4	894	1 0	586	0	894	1 0	586	0	894	1 0	586
BO	T →	Γhrough-Right		022	1	340	0	022	340	4	034	1	300		034	1	300		034	1	300
EST	4	Right		170	0	540	0	170	540	0	184	0	586	0	184	0	586	0	184	0	586
>	• -	₋eft-Through-Ri ∟eft-Right	ght		0 0							0				0 0				0 0	
				Nort	th-South:	77	No	rth-South:	77		Nor	th-South:	98		Nor	th-South:	98		Non	th-South:	98
		CRITICAL VC	LUMES	Ea	ast-West:	642	E	ast-West:	642		E	ast-West:	732		E	ast-West:	732		Eá	ast-West:	732
	VOLUME/C	CAPACITY (V/C)	RATIO:		SUM:	719		SUM:	719			SUM:	830			SUM:	830			SUM:	830
V/C		C/ATCS ADJUS				0.505 <b>0.405</b>			0.505 <b>0.405</b>				0.582 <b>0.482</b>				0.582 <b>0.482</b>				0.582 <b>0.482</b>
"		EL OF SERVICE				0.405 A			0.405 A				0.482 A				0.482 A				0.482 A
<u> </u>			IAPKS.																		

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT

Change in v/c due to project: 0.000  $\Delta v/c$  after mitigation: 0.000 Significant impacted? NO Fully mitigated? N/A





I/S #:	Nort	th-South Street:	Merrick	Street/Moli	ino Stree	t	Year	of Count:	2017	Amb	ient Grov	wth: (%):	1	Condu	cted by:	G	тс	Date:		12/9/2021	
13	E	ast-West Street:	4th Stre	eet			Projec	tion Year:	2025		Pe	ak Hour:	AM	Revie	wed by:			Project:	4	01 S Hew	itt
Орро	osed Ø	No. o oʻing: N/S-1, E/W-2 or	f Phases Both-3?			3 1			3 1				2 0				2 0			ı	2 0
Right	Turns	: FREE-1, NRTOR-2	or OLA-3?	NB 0 EB 0	SB WB	0	NB EB		B 0 B 0	NB EB	0	SB WB	0	NB EB	0	SB WB	0	NB EB	0	SB WB	0
		ATSAC-1 or ATSAC+	ATCS-2?	<i>LB</i> 0	VV D	2	LD	0 00	2		U	WD	2		U	WD	2	LD	U	VV D	2
		Override	Capacity			0			0				0				0				0
				EXISTI	NG CONDI			ING PLUS P	ROJECT			ON W/O PR			RE CONDIT				W/ PROJE		
		MOVEMENT		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
	5	Left		28	0	28	0	28	28	1	31	0	31	0	31	0	31	0	31	0	31
NORTHBOUND	₹	Left-Through			0	20		20	20		0.	0	0.	Ĭ	01	0	0.		01	0	01
JOS	Ì	Through		4	0	33	0	4	33	0	4	0	354	0	4	0	354	0	4	0	354
∥≝∣	<u></u>	Through-Right			0				•	040	040	0	•		0.10	0	0	•	040	0	•
K	<u>~</u>	Right Left-Through-R	iaht	1	0	0	0	1	0	318	319	0 1	0	0	319	0	0	0	319	0	0
ž	<b>†</b>	Left-Right	igiit		0							0				0				0	
₽	7	Left		50	1	50	0	50	50	0	54	0	54	0	54	0	54	0	54	0	54
l ž		Left-Through Through		0	0 0	0	0	0	0	0	0	0	76	0	0	0	76	0	0	0	76
<u>₩</u>	Į,	Through-Right		U	0	U	U	U	U	U	U	0	70	U	U	0	70	U	U	0	70
SOUTHBOUND	ر	Right		20	1	20	0	20	20	0	22	0	0	0	22	0	0	0	22	0	0
SO	<b>→</b>	Left-Through-R	ight		0							0				1				1 0	
	<i>بل</i> ہ	Left-Right		l	U							U				U				U	
		Left		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
l ₹	<i>→</i>	Loit imough			0							0				0				0	
ಶ್ಞ	$\overrightarrow{\rightarrow}$	Through Through-Right		249	1	149	28	277	163	22	292	1	172	28	320	1	186	-4	316	1	184
EASTBOUND	7	Right		48	0	48	0	48	48	0	52	Ö	52	0	52	Ö	52	0	52	0	52
EĀ	7	Left-Through-R	ight		0							0				0				0	
	$\dashv$	Left-Right			0							0				0				0	
	<i>C</i>	Left		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WESTBOUND	$\checkmark$	Left-Through			0		_					0				0				0	
JOS	7	Through		2528	2	871	96	2624	903	469	3206	2	1099	96	3302	2	1131	-14	3288	2	1126
STB	4	Through-Right Right		84	0	84	0	84	84	0	91	0	91	0	91	0	91	0	91	0	91
VE.	<b>→</b>	Left-Through-R	ight	04	0	04		04	04		31	Ö	31		31	Ö	31		31	0	31
	$\succ$	Left-Right			0							0				0				0	
		CRITICAL V	OLUMES		th-South: ast-West:	83 871		orth-South: East-West:	83 903			th-South: ast-West:	408 1099			th-South: ast-West:	408 1131			th-South: ast-West:	408 1126
		SIGNOAL V	02011120		SUM:		'	SUM:	986			SUM:	1507		E	SUM:			E	SUM:	1534
	VOLU	UME/CAPACITY (V/C	) RATIO:			0.669			0.692				1.005				1.026				1.023
V/C	LESS	ATSAC/ATCS ADJUS	STMENT:			0.569			0.592				0.905	1			0.926				0.923
		LEVEL OF SERVICE	E (LOS):	Ì		Α			A				E				E				Е
		DE	MARKS:																		

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT





I/S #:	North-	-South Street:	Mateo S	Street			Year	of Count:	2017	Amb	ient Grov	vth: (%):	1	Condu	cted by:	G	тс	Date:		12/9/2021	
14	Eas	t-West Street:	6th Stre	et			Projec	tion Year:	2025		Pea	ak Hour:	AM	Revie	wed by:			Project:	40	01 S Hewi	itt
		ng: N/S-1, E/W-2 or		NB 0	SB	2 0 0	NB	0 Si	2 0 3 0	NB	0	SB	2 0 0	NB	0	SB	2 0 0	NB	0	SB	2 0 0
Right	Turns: F	REE-1, NRTOR-2 o	or OLA-3?	EB 0	WB	0	EB	0 W		EB	0	WB	0	EB	0	WB	0	EB	0	<i>WB</i>	0
	AT	SAC-1 or ATSAC+/ Override (				2 0			2				2 0				2				2 0
				EXISTI	NG CONDI	TION	EXIST	ING PLUS P	ROJECT	FUTUR	E CONDITI	ON W/O PR	OJECT	FUTUF	RE CONDIT	ION W/ PR	OJECT	FUTURE	W/ PROJE	CT W/ MIT	IGATION
		MOVEMENT		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
9	,	Left		45	0	45	0	45	45	29	78	0	78	0	78	0	78	0	78	0	78
NORTHBOUND	1	Left-Through Through		76	0 0 0	128	0	76	128	20	102	0 0 0	188	0	102	0 0 0	188	0	102	0 0 0	188
E		Through-Right Right		7	0	0	0	7	0	0	8	0	0	0	8	0	0	0	8	0	0
Š.	<b>↔</b>	Left-Through-Ri	ight		1	·		-			_	1	-		-	1			_	1	
_	$\checkmark$	Left-Right			0							0				0				0	
	<u>,</u>	Left		21	0	21	0	21	21	22	45	0	45	0	45	0	45	0	45	0	45
	<b>&gt;</b>	Left-Through			0	21		21		22	40	0	40		40	0	40	Ů	40	0	40
301		Through		205	0	258	3	208	261	28	250	0	373	3	253	0	376	-1	252	0	375
SOUTHBOUND	4	Through-Right Right		32	0 0	0	0	32	0	43	78	0	0	0	78	0	0	0	78	0	0
JO .	<b>→</b>	Left-Through-Ri	ight	52	1	Ů		32	U	40	70	1	U		70	1	O		70	1	O
S	٨,	Left-Right			0							0				0				0	
	_ <u> </u>	Left		47	1	47	0	47	47	24	75	1	75	0	75	1	75	0	75	1	75
Ð	<b>→</b>	Left-Through			0			.,	•		70	0			70	0		Ĭ	70	0	, 0
9	$\overrightarrow{\gamma}$	Through		159	1 1	132	3	162	134	81	253	1	200	3	256	1	202	-1	255	1	201
EASTBOUND	$\neg$	Through-Right Right		105	0	105	0	105	105	33	147	0	147	0	147	0	147	0	147	0	147
EA:	<b>→</b>	Left-Through-Ri	ight		0			.00	.00	00		0				0				0	
	$\sqcup \prec$	Left-Right			0							0				0				0	
	$\sim$	Left		41	1	41	0	41	41	0	44	1	44	0	44	1	44	0	44	1	44
N D	$\leftarrow$	Left-Through			0							0				0				0	
301	<i>₹</i>	Through Through-Right		746	1	412	16	762	420	66	874	1	485	16	890	1	493	-2	888	1	492
WESTBOUND	t	Right		77	0	77	0	77	77	13	96	0	96	0	96	0	96	0	96	0	96
WE	<b>}</b>	Left-Through-Ri Left-Right	ight		0 0							0 0				0 0				0 0	
	•	CRITICAL VO	DLUMES		th-South: ast-West: SUM:	303 459 762		rth-South: East-West: SUM:	306 467 773			th-South: ast-West: SUM:	451 560 1011			th-South: ast-West: SUM:	454 568 1022			th-South: ast-West: SUM:	453 567 1020
	VOLUM	IE/CAPACITY (V/C)	RATIO:			0.508			0.515				0.674				0.681	1			0.680
V/C	LESS AT	rsac/atcs adjus	TMENT:			0.408			0.415				0.574				0.581				0.580
		LEVEL OF SERVIC	E (LOS):			Α			Α				Α				Α				Α
	•	DE	MARKS:		•		•			•	•	_				•					

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT





I/S #:	Nor	rth-South Street:	Mateo	Street			Year	of Count:	2017	Amb	ient Grov	vth: (%):	1	Condu	cted by:	G	тс	Date:		12/9/2021	
15	Е	East-West Street:	7th Stre	eet			Projec	tion Year:	2025		Pea	ak Hour:	AM	Revie	wed by:			Project:	4	01 S Hew	itt
Орро	sed Ø	No. o Ø'ing: N/S-1, E/W-2 o	of Phases or Both-3?			2 0			2 0				2				2 0				2 0
Right	Turns	s: FREE-1, NRTOR-2	or OLA-3?	NB 0 EB 0	SB WB	0	NB EB	0 SI	3 0 B 0	NB EB	0 0	SB WB	0	NB EB	0	SB WB	0	NB EB	0	SB WB	0
		ATSAC-1 or ATSAC-	+ATCS-2?	EB 0	WD	2	ED	U VV	2	ED	U	WD	2	ED	U	WD	2	ED	U	VV D	2
		Override	Capacity			0			0				0				0				0
				EXISTI	NG CONDI	TION		ING PLUS P	ROJECT			ON W/O PR	OJECT		RE CONDIT		OJECT		W/ PROJE		IGATION
		MOVEMENT			No. of	Lane	Project	Total	Lane	Added	Total	No. of	Lane	Added	Total	No. of	Lane	Added	Total	No. of	Lane
	5	Left		Volume 72	Lanes 0	Volume 72	Traffic 0	Volume 72	Volume 72	Volume 562	Volume 640	Lanes 0	Volume 640	Volume	Volume 640	Lanes 0	Volume 640	Volume	Volume 640	Lanes 0	Volume 640
9	7	Left-Through		12	0	12	U	12	12	302	640	0	640	0	040	0	040	0	640	0	640
NORTHBOUND	<b> </b>	Through		112	0	229	0	112	229	21	142	0	1014	0	142	0	1014	0	142	0	1014
Ř	<b>→</b>	→ Through-Right			0							0				0				0	
RT	<u>`</u>	Right		45	0	0	0	45	0	183	232	0	0	0	232	0	0	0	232	0	0
N N	<b>♦</b>		Right		1 0							1 0				1 0				1 0	
	<b>₩</b>	Leit-Rigiit		I	•											<u> </u>					
	<u> </u>	→ Left		35	0	35	0	35	35	33	71	0	71	0	71	0	71	0	71	0	71
N S	<u></u>	Left-Through			0							0				0				0	0.40
ВО	1	Through Through-Right		179	0	259	3	182	262	23	217	0 0	341	3	220	0	344	-1	219	0	343
ΙE	ر	Right		45	0	0	0	45	0	4	53	0	0	0	53	0	0	0	53	0	0
SOUTHBOUND	4		Right		1							1				1				1	
0)	J,	Left-Right			0							0				0				0	
	1	Left		26	1	26	0	26	26	3	31	1	31	0	31	1	31	0	31	1	31
9	<u></u>	Left-Through		20	0	20		20	20		01	0	٥.		01	0	0.		01	0	٥.
l lo	$\rightarrow$			346	1	210	0	346	210	200	575	1	363	0	575	1	363	0	575	1	363
EASTBOUND	7	Through-Right Right		73	1 0	73	0	73	73	71	150	1 0	150	0	150	1 0	150	0	150	1 0	150
EAS	C-4-2	Left-Through-F	Right	73	0	73	U	13	13	/ 1	130	0	150	0	130	0	130	U	150	0	150
ш .	$\dashv$	Left-Right			0							0				0				0	
		- 1 -#4			1	1 04		0.4	0.4	444	040	4	040		040	1	040		040	1	040
9	<i>₹</i>	_0		94	1 0	94	0	94	94	114	216	1 0	216	0	216	1 0	216	0	216	0	216
WESTBOUND	←	Through		752	1	398	16	768	406	227	1041	1	558	16	1057	1	566	-2	1055	1	565
IB(	<b>₹</b>	Through-Right			1							1				1				1	
ES.	4	Right Left-Through-F	Diaht	44	0	44	0	44	44	27	75	0 0	75	0	75	0	75	0	75	0	75
>	<u> </u>	Left-Right	viðiir		0							0		1		0				0	
					th-South:	331		rth-South:	334			th-South:	1085			th-South:	1085			th-South:	1085
		CRITICAL V	OLUMES	Ea	ast-West:	424	l I	East-West:	432		E	ast-West:	589	1	Ea	ast-West:			E	ast-West:	596
<b> </b>	VO!	LIME/CADACITY (V//	C) DATIO:		SUM:			SUM:	766			SUM:	1674			SUM:				SUM:	1681
1//0		UME/CAPACITY (V/C	•			0.503			0.511				1.116	1			1.121				1.121
V/C	LESS	ATSAC/ATCS ADJU				0.403			0.411				1.016				1.021				1.021
		LEVEL OF SERVI	CE (LOS): EMARKS:			Α			A				F				F				F

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT

Change in v/c due to proje	ct: 0.005	∆v/c after mitigation:	0.005
Significant impacte	d? NO	Fully mitigated?	N/A





I/S #:	North	h-South Street:	Santa F	e Avenue			Year	of Count:	2017	Amb	ient Grov	vth: (%):	1	Condu	cted by:	G <sup>-</sup>	тс	Date:		12/9/2021	
16	Eas	st-West Street:	7th Stre	eet			Projec	tion Year:	2025		Pea	ak Hour:	AM	Revie	wed by:			Project:	40	01 S Hew	itt
Орро	sed Ø'i	No. of ing: N/S-1, E/W-2 or	f Phases Both-3?			4 0			4 0				4 0				4 0				4 0
Right	Turns:	FREE-1, NRTOR-2 o	or OLA-3?	NB 3 EB 0	SB WB	0	NB EB		3 0	NB EB	3 0	SB WB	0	NB EB	3	SB WB	0	NB EB	3 0	SB WB	0
	A <sup>-</sup>	TSAC-1 or ATSAC+	ATCS-2?	EB U	WB	0 2	EB	0 W	B 0 2	EB	U	WB	0 2	EB	U	WB	0 2	EB	U	WB	0 2
		Override (				0			0				0				0				0
				EXISTI	NG CONDI			NG PLUS P	ROJECT			ON W/O PR			RE CONDIT				W/ PROJE		
		MOVEMENT		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
	7	Left		131	1	131	0	131	131	65	207	1	207	0	207	1	207	0	207	1	207
NORTHBOUND	1	Left-Through		000	0	000		000	000	400	007	0	007		007	0	007	•	007	0	007
BO	Ţ	Through Through-Right		263	1 0	263	0	263	263	102	387	1 0	387	0	387	1 0	387	0	387	1 0	387
<u>E</u>	7	Right		143	1	0	0	143	0	3	158	1	0	0	158	1	0	0	158	1	0
Ř	<b>↔</b>	Left-Through-Ri	ight		0							0				0				0	
	$\uparrow \uparrow$	Left-Right			0							0				0				0	
_ 1	<b>(</b>	Left		32	0	32	0	32	32	17	52	0	52	0	52	0	52	0	52	0	52
	<b>1</b>	Left-Through		32	0	32		32	32	17	32	0	32		32	0	52		32	0	32
ŭ	. ↓	Through		163	0	207	0	163	207	59	236	0	401	0	236	0	401	0	236	0	401
SOUTHBOUND	<del>ل</del> ل	Through-Right Right		40	0 0	0	0	12	0	400	113	0	0	0	113	0	0	0	440	0 0	0
	<b>↑</b>	Left-Through-Ri	iaht	12	1	U	U	12	U	100	113	1	U	U	113	1	U	U	113	1	0
Š	į,	Left-Right	·		0							0				0				0	
					,																
Ω	) 1	Left Left-Through		12	1 0	12	0	12	12	151	164	1 0	164	0	164	1 0	164	0	164	1 0	164
EASTBOUND	$\rightarrow$	Through		325	1	216	0	325	216	415	767	1	461	0	767	1	461	0	767	1	461
B B	<u></u>	Through-Right			1							1				1				1	
4S1		Right		107	0	107	0	107	107	39	155	0	155	0	155	0	155	0	155	0	155
Э	<i>)</i>	Left-Through-Ri Left-Right	gnt		0 0							0				0				0	
	, ,																				
۵	<b>←</b>	Left		215	1	215	0	215	215	0	233	1	233	0	233	1	233	0	233	1	233
WESTBOUND	<b>↓</b>	Left-Through Through		725	0 1	429	14	739	436	428	1213	0 1	704	14	1227	0	711	-2	1225	0 1	710
<u>8</u>	7	Through-Right		720	1	429	14	139	430	420	1213	1	704	14	1221	1	711	-2	1220	1	710
EST	4	Right		133	0	133	0	133	133	51	195	0	195	0	195	0	195	0	195	0	195
×	<b>X</b>	Left-Through-Ri Left-Right	ight		0							0				0				0	
		Len-Night		Non	th-South:	338	No	rth-South:	338		Nor	th-South:	608		Non	th-South:	608		Nor	th-South:	608
		CRITICAL VO	DLUMES		ast-West:	441		ast-West:	448			ast-West:	868			ast-West:	875	1		ast-West:	874
					SUM:	779		SUM:	786			SUM:	1476			SUM:				SUM:	1482
		ME/CAPACITY (V/C)				0.567			0.572				1.073				1.079	1			1.078
V/C	LESS A	ATSAC/ATCS ADJUS				0.467			0.472				0.973				0.979	1			0.978
		LEVEL OF SERVIC	E (LOS):			Α			Α				E				Е				Е

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT

Change in v/c due to project: 0.006  $\Delta v/c$  after mitigation: 0.005 Significant impacted? NO Fully mitigated? N/A





I/S #:	Nort	th-South Street:	Santa F	e Avenue			Year	of Count:	2017	Amb	ient Grov	vth: (%):	1	Condu	cted by:	G	тс	Date:		12/9/2021	1
17	Ea	ast-West Street:	8th Stre	eet			Projec	tion Year:	2025		Pea	ak Hour:	AM	Revie	wed by:			Project:	4	01 S Hew	ritt
Орро	osed Ø	No. o oʻing: N/S-1, E/W-2 or	f Phases Both-3?			2			2				2				2				2
Right	Turns:	: FREE-1, NRTOR-2	or OLA-3?	NB 0 EB 0	SB WB	0	NB EB	0 SI	B 0	NB EB	0	SB WB	0	NB EB	0	SB WB	0	NB EB	0	SB WB	0
	,	ATSAC-1 or ATSAC+	ATCS-2?	LD	WD	2	LB	0	2	LD-	U	W <i>B</i>	2	LD-	U	WD	2	LD-	U	W <i>D</i>	2
		Override	Capacity			0			0				0				0				0
		MOVEMENT		EXISTI	NG CONDI			ING PLUS P				ON W/O PF			RE CONDIT				W/ PROJE		
		MOVEMENT		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
	1	Left		249	0	249	0	249	249	0	270	0	270	0	270	0	270	0	270	0	270
Ĭ	ightharpoons	Left-Through			1							1				1				1	
BO	Î	Through		537	0 1	527	0	537	527	163	744	0 1	765	0	744	0	765	0	744	0 1	765
NORTHBOUND		Through-Right Right		19	0	527	0	19	527	0	21	0	0	0	21	0	0	0	21	0	0
Š	<b>↔</b>	Left-Through-R	ight		0					_		0				0				0	
	$\checkmark$	Left-Right			0							0				0				0	
_	,	Left		14	0	14	0	14	14	0	15	0	15	0	15	0	15	0	15	0	15
2	$\rightarrow$	Left-Through		14	1	'-		1-7		U	10	1	13		13	1	13		10	1	13
30	↓	Through		354	0	288	0	354	288	87	470	0	376	0	470	0	376	0	470	0	376
SOUTHBOUND	لہ ر	Through-Right Right		194	1 0	288	0	194	288	11	221	1 0	376	0	221	1 0	376	0	221	1 0	376
.no	<b>←</b>	Left-Through-R	ight	134	0	200	U	134	200	- 11	221	0	370	0	221	0	370	U	221	0	370
S	٠,	Left-Right			0							0				0				0	
	ر	Left		25	0	25	0	25	25	6	33	0	33	0	33	0	33	0	33	0	33
₽	<u></u>	Left-Through		25	0	20	U	25	25	0	33	0	33	U	33	0	33	U	33	0	33
l lo	$\rightarrow$	Through		12	0	353	0	12	353	0	13	0	388	0	13	0	388	0	13	0	388
EASTBOUND	<i>→</i>	Through-Right Right		316	0	0	0	316	0	0	342	0	0	0	342	0	0	0	342	0	0
EAS	7	Left-Through-R	ight	310	1	U	U	310	U	U	342	1	U	U	342	1	U	U	342	1	U
	$\dashv$	Left-Right			0							0				0				0	
	$\Gamma$	Left		7	0	7	0	7	7	0	8	0	8	0	8	0	8	0	8	0	8
ND	₹	Left-Through		· '	0	,		,	,	U	U	0			U	0			U	0	
WESTBOUND	<u>₹</u>	Through		7	0	32	0	7	32	0	8	0	35	0	8	0	35	0	8	0	35
STB	4	Through-Right Right		18	0	0	0	18	0	0	19	0	0	0	19	0	0	0	19	0	0
VE:	<b>→</b>	Left-Through-R	ight	10	1	U	U	10	U	U	19	1	U	0	19	1	U	U	19	1	U
	⊱	Left-Right			0							0				0				0	
		CRITICAL V	OLUMES		th-South: ast-West:	541 360		rth-South: East-West:	541 360			th-South: ast-West:	780 396			th-South: ast-West:	780 396			th-South: ast-West:	780 396
				<i>-</i> "	SUM:			SUM:	901	<u></u>		SUM:				SUM:				SUM:	
	VOLU	UME/CAPACITY (V/C	) RATIO:			0.601			0.601				0.784				0.784				0.784
V/C	LESS A	ATSAC/ATCS ADJUS	STMENT:			0.501			0.501				0.684				0.684				0.684
		LEVEL OF SERVIC	E (LOS):			Α			Α				В				В				В
		BE	MARKS:							•	•	•									

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT

Change in v/c due to project:	0.000	∆v/c after mitigation:	0.000
Significant impacted?	NO	Fully mitigated?	N/A





I/S #:	North	h-South Street:	US 101	NB Off-Ran	np		Year	of Count:	2017	Amb	ient Grov	vth: (%):	1	Condu	cted by:	G <sup>-</sup>	тс	Date:		12/9/2021	
18	Eas	st-West Street:	4th Stre	eet			Projec	tion Year:	2025		Pea	ak Hour:	AM		wed by:			Project:	40	01 S Hewi	itt
Орро	osed Ø'i	No. of ing: N/S-1, E/W-2 or	Phases Both-3?			2 0			2 0				2 0				2 0	-			2
Right	Turns:	FREE-1, NRTOR-2 o	r OLA-3?	NB 0	SB	0	NB		3 0	NB	0	SB	0	NB	0	SB	0	NB	0	SB	0
	A <sup>-</sup>	TSAC-1 or ATSAC+	ATCS-2?	EB 0	WB	0 2	EB	0 W	<b>B</b> 0 2	EB	0	WB	0 2	EB	0	WB	0 2	EB	0	WB	0 2
		Override (				0			0				0				0				0
				EXISTI	NG CONDI	TION	EXIST	ING PLUS P	ROJECT	FUTUR	E CONDITI	ON W/O PF	ROJECT	FUTUF	RE CONDIT	ION W/ PR	OJECT	FUTURE	W/ PROJE	CT W/ MIT	IGATION
		MOVEMENT			No. of	Lane	Project	Total	Lane	Added	Total	No. of	Lane	Added	Total	No. of	Lane	Added	Total	No. of	Lane
	5	Left		Volume 1185	Lanes	Volume 605	Traffic 48	Volume 1233	Volume 629	Volume 163	Volume 1446	Lanes	Volume 737	Volume 48	Volume 1494	Lanes 1	Volume 761	Volume -7	Volume 1487	Lanes	Volume 757
Ð	1	Left-Through		1185	1 0	603	48	1233	629	163	1446	1 0	131	48	1494	0	761	-7	1487	1 0	/5/
NORTHBOUND	I ∤	Through		1	0	605	0	1	629	0	1	0	737	0	1	0	761	0	1	0	757
HB	♪	Through-Right			0							0				0				0	
	<u>`</u>	Right		24	0	0	0	24	0	0	26	0	0	0	26	0	0	0	26	0	0
ž	<b>♦</b>	Left-Through-Ri Left-Right	gnt		0							1 0				0				0	
		Lett Right		<u> </u>																	
Ω	<u> </u>	Left		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N N	l 🏳	Left-Through Through		0	0 0	0	0	0	0	0	0	0	0	0	0	0 0	0	_	0	0	0
BO	1	Through-Right		U	0	U	U	U	U	U	U	0	U	U	U	0	U	0	U	0	U
	زر	Right		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOUTHBOUND	4	Left-Through-Ri	ght		0							0				0				0	
	٠,	Left-Right			0							0				0				0	
_	ا ا	Left		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N N	<u> </u>	Left-Through			0							0				0				0	
30 l	$\overrightarrow{\gamma}$	Through Through-Right		315	2 0	158	10	325	163	222	563	2	282	10	573	2	287	-2	571	2	286
EASTBOUND		Right		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EA	7	Left-Through-Ri	ght		0							0				0				0	
	$\sqcup \prec$	Left-Right			0							0				0				0	
	<i>C</i>	Left		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WESTBOUND	$\checkmark$	Left-Through			0			-				0		-		0				0	
301	<i>₹</i>	Through Through-Right		1731	2	577	48	1779	593	229	2103	2	701	48	2151	2	717	-7	2144	2	715
STE	1	Right		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WE	<b>→</b>	Left-Through-Ri	ght		0	ŭ		v	Ŭ		v	0	Ü		v	0			v	0	
	≻	Left-Right			0	005			000			0	707			0	704			0	757
		CRITICAL VO	DLUMES		th-South: ast-West:	605 577		rth-South: East-West:	629 593			th-South: ast-West:	737 701			th-South: ast-West:	761 717			th-South: ast-West:	757 715
					SUM:			SUM:	1222			SUM:	1438			SUM:				SUM:	1472
	VOLUI	ME/CAPACITY (V/C)	RATIO:			0.788		· · · · · · · · · · · · · · · · · · ·	0.815				0.959				0.985				0.981
V/C	LESS A	ATSAC/ATCS ADJUS	TMENT:			0.688			0.715				0.859				0.885				0.881
		LEVEL OF SERVIC	E (LOS):			В			С				D	<u></u>			D				D
		DEL	MARKS:																		

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT

Change in v/c due to project: 0.026  $\Delta v/c$  after mitigation: 0.022 Significant impacted? YES Fully mitigated? NO





I/S #:	Nor	rth-South Street:	Boyle S	treet			Year	of Count:	2017	Amb	ient Grov	vth: (%):	1	Condu	cted by:	G	тс	Date:		12/9/2021	I
19	Е	ast-West Street:	4th Stre	eet			Projec	tion Year:	2025		Pea	ak Hour:	AM	Revie	wed by:			Project:	40	01 S Hew	itt
Орро	sed Ø	No. 0 7'ing: N/S-1, E/W-2	of Phases or Both-3?			3 0			3				3 0				3 0				3 0
Right	Turns	s: FREE-1, NRTOR-2	or OLA-3?	NB 0 EB 0	SB WB	0	NB EB	0 SI	3 0 B 0	NB EB	0 0	SB WB	0	NB EB	0	SB WB	0	NB EB	0	SB WB	0
		ATSAC-1 or ATSAC-	+ATCS-2?	EB U	WB	2	EB	U VV	2	EB	U	WB	2	EB	U	WB	2	EB	U	WB	2
			Capacity			0			0				0				0				0
				EXISTI	NG CONDI	TION	EXIST	ING PLUS P	ROJECT	FUTUR	E CONDITI	ON W/O PR	ROJECT	FUTUE	RE CONDIT	ION W/ PR	OJECT	FUTURE	W/ PROJE	CT W/ MIT	IGATION
		MOVEMENT			No. of	Lane	Project	Total	Lane	Added	Total	No. of	Lane	Added	Total	No. of	Lane	Added	Total	No. of	Lane
	6	1.6		Volume	Lanes	Volume	Traffic	Volume	Volume	Volume	Volume	Lanes	Volume	Volume	Volume	Lanes	Volume	Volume	Volume	Lanes	Volume
9		Left Left-Through		200	1 0	200	0	200	200	0	217	1 0	217	0	217	1 0	217	0	217	1 0	217
NORTHBOUND	1	Through		357	0	427	0	357	427	0	387	0	463	0	387	0	463	0	387	0	463
Ä	<u></u>	. Through-Right	t		1							1				1				1	
Ä	<u> </u>	Right		70	0	0	0	70	0	0	76	0	0	0	76	0	0	0	76	0	0
8	4		Right		0							0				0				0	
	$\uparrow \uparrow$	Left-Right			0							0				0				0	
	Ģ	Left		117	1	117	0	117	117	0	127	1	127	0	127	1	127	0	127	1	127
Ĭ	<b>\</b>	Left-Through			0							0				0				0	
301	<b>+</b>	Through		351	0	514	0	351	514	0	380	0	557	0	380	0	557	0	380	0	557
ͳ	7	Through-Right Right	i	163	1 0	0	0	163	0	0	177	1 0	0	0	177	1 0	0	0	177	1 0	0
SOUTHBOUND	4	Left-Through-F	Riaht	103	0	U	U	103	U	U	1//	0	U	U	177	0	U	U	177	0	U
Š	بلہ				0							0				0				0	
	4			- -																	
Ω	) 1	Left Left-Through		0	0 0	0	1	1	0	0	0	0 0	0	1	1	0	0	0	1	0 0	0
Ş	$\rightarrow$	Through		295	1	172	9	304	176	222	541	1	297	9	550	1	301	-1	549	1	301
BO	7	Through-Right	t		1						•	1	20.	Ĭ	000	1	00.		0.0	1	
EASTBOUND	7	Right		48	0	48	0	48	48	0	52	0	52	0	52	0	52	0	52	0	52
7	7	Left-Through-F	Right		0							0				0				0 0	
	7	Left-Right			U							U				U				U	
	C	Left		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WESTBOUND	7			Ì	0							0				0				0	
ğ	7	rinougn		1255	2 1	453	48	1303	469	229	1588	2	567	48	1636	2	583	-7	1629	2	580
STE	124	Through-Right	L	103	0	103	0	103	103	0	112	0	112	0	112	0	112	0	112	0	112
۷Ę	<b>→</b>	Left-Through-F	Right	100	0	100		100	100		112	0	112		112	0	112		112	0	112
	<b>&gt;</b>	Left-Right			0							0				0				0	
		CRITICAL \	/OLLIMES		th-South:	714		rth-South:	714			th-South:	774			th-South:	774			th-South:	774
		CRITICAL	JUNIES	E	ast-West: SUM:	453 1167	"	East-West: SUM:	469 1183		E	ast-West: SUM:	567 1341		E	ast-West: SUM:			E	ast-West: SUM:	580 1354
	VOL	UME/CAPACITY (V/0	C) RATIO:		30M.	0.819		30M.	0.830			30111.	0.941			30M.	0.952			30111.	0.950
V/C		ATSAC/ATCS ADJU	•	Ì		0.019 <b>0.719</b>			0.730				0.841				0.852				0.850
1		LEVEL OF SERVI		Ì		0.713 C			0.730 C				0.041 D				0.032 D				0.030 D
<u> </u>			EMARKS:	<u> </u>			l			<u> </u>											

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT

Change in v/c due to project:	0.011	∆v/c after mitigation:	0.00
Significant impacted?	NO	Fully mitigated?	N/A





I/S #:							Year of Count: 2017				ient Grov	wth: (%):	1	Condu	cted by:	d by: GTC			Date: 12/9/2021		
20	E	ast-West Street:	Whittie	r Boulevard			Projec	tion Year:	2025		Pe	ak Hour:	AM	Revie	wed by:			Project:	4	01 S Hew	itt
Оррс	sed Ø	No. o 9'ing: N/S-1, E/W-2 o	of Phases r Both-3?			3 0			3				3				3				3
Right	Turns	: FREE-1, NRTOR-2	or OLA-3?	NB 0 EB 0	SB WB	0	NB EB	0 SI	3 0 B 0	NB EB	0	SB WB	0	NB EB	0 0	SB WB	0	NB EB	0	SB WB	0
		ATSAC-1 or ATSAC-	ATCS-2?	EB	VV D	2	LD	0	2	LD	U	WD	2		U	WD	2	LD	U	VV D	2
		Override	Capacity			0			0				0				0				0
				EXISTI	NG CONDI			ING PLUS P	ROJECT			ON W/O PR			RE CONDIT				W/ PROJE		
		MOVEMENT			No. of Lanes	Lane Volume	Project Traffic	Total	Lane	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
	5	Left		Volume 238	1	238	0	Volume 238	Volume 238	O	258	1	258	O	258	1	258	O	258	1	258
Ð	₹	Left-Through		230	0	230	U	230	230	U	236	0	230	0	236	0	230	U	236	0	236
NORTHBOUND	Ì	Through		520	1	316	0	520	316	0	563	1	342	0	563	1	342	0	563	1	342
묖	┝	Through-Right			1							1				1				1	
- RT	<u>`</u>	Right		112	0	112	0	112	112	0	121	0	121	0	121	0	121	0	121	0	121
ž	<b>†</b>		Right		0 0							0				0				0	
		Len-Right		<u> </u>																	
Δ	Ç	Left		95	1	95	0	95	95	0	103	1	103	0	103	1	103	0	103	1	103
S	<b>₽</b>	Left-Through		004	0 1	054		004	054		400	0 1	.==		400	0	.==		400	0 1	075
BO	1	Through Through-Right		391	1	254	0	391	254	0	423	1	275	0	423	1	275	0	423	1	275
E	ر	Right		117	Ö	117	0	117	117	0	127	Ö	127	0	127	Ö	127	0	127	0	127
SOUTHBOUND	4		Right		0							0				0				0	
, , ,	, ا	Left-Right			0							0				0				0	
1	ر	Left		27	1	27	0	27	27	0	29	1	29	0	29	1	29	0	29	1	29
₽	<u></u>	Left-Through			0			21		· ·	23	0			20	0	23		20	0	23
l lo	$\stackrel{\longrightarrow}{\longrightarrow}$			110	1	89	3	113	91	36	155	1	115	3	158	1	116	-1	157	1	116
EASTBOUND	<i>→</i>	Through-Right Right		68	1 0	68	0	68	68	0	74	1 0	74	0	74	1 0	74	0	74	1 0	74
. AS	7	Left-Through-R	Riaht	00	0	00	U	00	00	U	74	0	74	U	74	0	74	U	74	0	74
"	⊰	Left-Right	5		0							0				0				0	
	·	1 -44				004		201	004		040	1	040		0.10	1	0.40		040	4	040
9	<i>₹</i>	Left Left-Through		201	1 0	201	0	201	201	0	218	1 0	218	0	218	1 0	218	0	218	1 0	218
WESTBOUND	←	Through		1086	1	626	16	1102	634	79	1255	1	718	16	1271	1	726	-2	1269	1	725
IB(	<b>₹</b>	Through-Right			1							1				1				1	
ES.	<b>₹</b>	Right	):l-4	166	0	166	0	166	166	0	180	0	180	0	180	0	180	0	180	0	180
>	į.	Left-Through-F Left-Right	tignt		0							0				0				0	
	• ,			Nor	th-South:	492	No	rth-South:	492		Nor	th-South:	533	<u> </u>	Nor	th-South:	533		Nor	th-South:	533
	CRITICAL VOLUMES		Ea	ast-West:	653	1	East-West:	661		E	ast-West:	747	7 Ea		East-West: 755			E	ast-West:	754	
-	SUM:         1145           VOLUME/CAPACITY (V/C) RATIO:         0.804				SUM:	1153			SUM:	1280	-		SUM:				SUM:	1287			
1//0		•	•			0.804			0.809				0.898				0.904				0.903
V/C				0.704			0.709				0.798	1			0.804				0.803		
	LEVEL OF SERVICE (LOS):  C  REMARKS:				С			С				С				D				D	

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT

0.00	$\Delta v/c$ after mitigation:	0.006	Change in v/c due to project:
N/A	Fully mitigated?	NO	Significant impacted?





I/S #:								Year	of Count:	2017	Ambient Growth: (%):			1	Conducted by:		GTC		Date: 12/9/2021			
21	I	East-	-West Street:	4th Stre	eet			Projec	tion Year:	2025		Pe	ak Hour:	AM	Revie	wed by:			Project:	4	01 S Hew	itt
Орро	osed	Ø'ing	No. of g: N/S-1, E/W-2 or	f Phases Both-3?			3 0			3				3				3 0				3 0
Right	Turn	ıs: FF	- REE-1, NRTOR-2 o	or OLA-3?	NB 0	SB	0	NB		B 0	NB	0	SB	0	NB	0	SB	0	NB	0	SB	0
			SAC-1 or ATSAC+		EB 0	WB	0 2	EB	0 W	<b>B</b> 0	EB	0	WB	0 2	EB	0	WB	0 2	EB	0	WB	0 2
		AIS	Override				0			0				0				0				0
					EXISTI	NG CONDI	TION	EXIST	ING PLUS P	ROJECT	FUTUR	E CONDITI	ON W/O PR	OJECT	FUTUF	RE CONDIT	ION W/ PR	OJECT	FUTURE	W/ PROJE	CT W/ MIT	IGATION
		ı	MOVEMENT			No. of	Lane	Project	Total	Lane	Added	Total	No. of	Lane	Added	Total	No. of	Lane	Added	Total	No. of	Lane
	-				Volume	Lanes	Volume	Traffic	Volume	Volume	Volume	Volume	Lanes	Volume	Volume	Volume	Lanes	Volume	Volume	Volume	Lanes	Volume
9			Left Left-Through		275	1 0	275	0	275	275	15	313	1 0	313	0	313	1 0	313	0	313	1 0	313
) Š	7		Through		46	0	106	0	46	106	0	50	0	115	0	50	0	115	0	50	0	115
PG PG	1	<b>→</b>	Through-Right			1	.00			.00			1			00	1				1	
NORTHBOUND		<b>→</b>	Right		60	0	0	0	60	0	0	65	0	0	0	65	0	0	0	65	0	0
8	4		Left-Through-Ri	ight		0 0							0				0				0	
	$\uparrow$		Left-Right			U							0				0				U	
		<b>→</b>	Left		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Z	↓	<b>→</b>	Left-Through			0							0				0				0	
BO	1		Through Through-Right		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
王	ر		Right		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOUTHBOUND	4		Left-Through-Ri	ight		0	ŭ		· ·	ŭ		ŭ	0	ŭ		ŭ	0	ŭ		· ·	0	
S	J	<b>→</b>	Left-Right			0							0				0				0	
	Ĵ	,	Left		240	1	240	6	246	246	143	403	1	403	6	409	1	409	-1	408	1	408
₽	_1		Left-Through		240	0	240		240	240	140	400	0	403		403	0	703	-1	400	0	400
l no			Through		663	2	332	3	666	333	56	774	2	387	3	777	2	389	-1	776	2	388
EASTBOUND	7	V	Through-Right Right		0	0 0	0	0	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0
EAS	7	<u> </u>	Left-Through-Ri	ight	U	0	U	U	U	U	U	U	0	U	0	U	0	U	0	U	0	U
	$\dashv$	V	Left-Right			0							0				0				0	
	·		Left			0	1 0						0				0	0			0	
9	7		Left-Through		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WESTBOUND	←	_	Through		1007	1	669	16	1023	677	43	1133	1	745	16	1149	1	753	-2	1147	1	752
TB(	1	-	Through-Right			1		_					1				1		_		1	
ÆS	\$ \$	_	Right Left-Through-Ri	ight	330	0 0	330	0	330	330	0	357	0	357	0	357	0 0	357	0	357	0	357
>	>	_	Left-Right	igiit		0							0				0				0	
	• ,			th-South:	275		rth-South:	275			th-South:	313			th-South:	313			th-South:	313		
	CRITICAL VOLUMES		Ea	ast-West:	909	"	East-West:	923 1198		E	ast-West:	1148	East-West:					E	ast-West:	1160		
	VOLUME/CAPACITY (V/C) RATIO: 0.831				SUM:				SUM:	1461			SUM:				SUM:	1473				
V/C			• •	•			0.831			0.841				1.025				1.035				1.034
V/C	V/C LESS ATSAC/ATCS ADJUSTMENT: 0.731			0.731 C			0.741 C				0.925 F				0.935 E				0.934 E			
<u> </u>	LEVEL OF SERVICE (LOS):  REMARKS:					U			U				E	<u> </u>			E				E	

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT





I/S #:								Year of Count: 2017			Amb	ient Grov	vth: (%):	1	Condu	cted by:	G	TC	Date:	Date: 12/9/2021		
22	I	East	-West Street:	4th Stre	eet			Projec	tion Year:	2025		Pe	ak Hour:	AM	Revie	wed by:			Project:	oject: 401 S Hewitt		itt
Орро	osed	Ø'ing	No. o g: N/S-1, E/W-2 or	f Phases Both-3?			3 0			3				3 0				3				3 0
Right	Turn	s: FF	REE-1, NRTOR-2	or OLA-3?	NB 0 EB 0	SB	3	NB		B 3	NB	0	SB	3	NB	0	SB	3	NB	0	SB	3
		ATS	SAC-1 or ATSAC+	ATCS-2?	EB U	WB	0 2	EB	0 W	B 0 2	EB	U	WB	0 2	EB	U	WB	0 2	EB	U	WB	0 2
			Override				0			0				0				0				0
					EXISTI	NG CONDI	TION	EXIST	ING PLUS P	ROJECT	FUTUR	E CONDIT	ON W/O PR	OJECT	FUTU	RE CONDIT	ION W/ PR	OJECT	FUTURE	W/ PROJE	CT W/ MIT	IGATION
		I	MOVEMENT			No. of	Lane	Project	Total	Lane	Added	Total	No. of	Lane	Added	Total	No. of	Lane	Added	Total	No. of	Lane
	-			1	Volume	Lanes	Volume	Traffic	Volume	Volume	Volume	Volume	Lanes	Volume	Volume	Volume	Lanes	Volume	Volume	Volume	Lanes	Volume
9			Left Left-Through		156	1 0	156	0	156	156	0	169	1 0	169	0	169	1 0	169	0	169	1 0	169
NORTHBOUND	1		Through		517	2	259	0	517	259	0	560	2	280	0	560	2	280	0	560	2	280
H H		<b>→</b>	Through-Right			0							0				0				0	
Ā		<b>→</b>	Right		82	1	8	0	82	8	0	89	1	9	0	89	1	9	0	89	1	9
8	<b>↑</b>		Left-Through-R	ight		0							0				0				0	
	$\Upsilon$	7	Left-Right			0							0				0				0	
		<b>→</b>	Left		134	1	134	0	134	134	0	145	1	145	0	145	1	145	0	145	1	145
Ĭ	<b> </b>	<b>→</b>	Left-Through			0							0				0				0	
10 M	↓		Through		611	2	306	0	611	306	0	662	2	331	0	662	2	331	0	662	2	331
∥ Ë ∣	4		Through-Right Right		143	0 1	95	0	143	95	0	155	0 1	103	0	155	0 1	103	0	155	0 1	103
SOUTHBOUND	4	<b>→</b>	Left-Through-Ri	iaht	143	0	95	U	143	95	U	155	0	103	"	133	0	103	0	155	0	103
Š	نہ		Left-Right	.3		0							0				0				0	
	. ,																					
Ω	ر ا		Left Left-Through		48	1 0	48	0	48	48	0	52	1 0	52	0	52	1 0	52	0	52	1 0	52
EASTBOUND	_	<b>→</b>	Through		764	1	436	3	767	437	7	834	1	475	3	837	1	477	-1	836	1	476
90	7	<del>}</del>	Through-Right			1	.00			.0.			1			00.	1			000	1	
\ST	7	(	Right		107	0	107	0	107	107	0	116	0	116	0	116	0	116	0	116	0	116
7)	7		Left-Through-R	ight		0 0							0				0				0	
			Left-Right			U							U				U				U	
	C		Left		149	1	149	0	149	149	0	161	1	161	0	161	1	161	0	161	1	161
WESTBOUND	7		Left-Through			0							0				0				0	
l ŭ	<u></u>	_	Through Through-Right		1098	1	581	16	1114	589	19	1208	1	639	16	1224	1	647	-2	1222	1	646
STE	104	_	Right		64	0	64	0	64	64	0	69	0	69	0	69	0	69	0	69	0	69
VE.	<b>→</b>	-	Left-Through-R	ight	07	0	0-1		0-1	0-1		00	0	- 00		00	0	- 00		00	0	00
_	}	-	Left-Right			0							0				0				0	
	CRITICAL VOLUMES			th-South:	462		rth-South:	462			th-South:	500			th-South:	500			th-South:	500		
	CRITICAL VOLUMES Eas		ast-West: SUM:	629 1091	'	East-West: SUM:	637 1099	East-West: SUM:		691 1191	Ea		<b>East-West</b> : 699 <b>SUM</b> : 1199			E	ast-West: SUM:	698 1198				
			0.766		30M.	0.771			30111.	0.836			30M.	0.841			30111.	0.841				
V/C		0.700		<b>0.766</b>			0.671				0.736				0.741				0.741			
				0.000 B			0.07 T				0.730 C				C.741				0.741 C			
<u> </u>	REMARKS:						0	<u> </u>		<u> </u>	<u> </u>								I			

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT

0.005	∆v/c after mitigation:	0.005	Change in v/c due to project:
N/A	Fully mitigated?	NO	Significant impacted?





I/S #:							Year	of Count:	2017	Amb	ient Grov	vth: (%):	1	Condu	cted by:	G	TC	Date:	Date: 12/9/2021		
23	Е	East-West Street:	4th Str	eet			Projec	tion Year:	2025		Pe	ak Hour:	AM	Revie	wed by:			Project:	4	01 S Hew	ritt
Орро	osed (	No. Ø'ing: N/S-1, E/W-2	of Phases or Both-3?			0			0				3 0				3 0				3 0
Right	Turns	s: FREE-1, NRTOR-2	2 or OLA-3?	NB 0 EB 0	SB WB	0	NB EB		B 0 B 0	NB EB	0	SB WB	0	NB EB	0	SB WB	0	NB EB	0	SB WB	0
		ATSAC-1 or ATSAC	+ATCS-2?	EB 0	WD	0	ED	U VV	0	ED	U	WD	2	ED	U	WD	2	ED	U	WD	2
		Overrid	e Capacity			0			0				0				0				0
				EXISTI	NG CONDI			ING PLUS P	ROJECT			ON W/O PF			RE CONDIT				W/ PROJE		
		MOVEMENT		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
	5	Left		O	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NORTHBOUND	- ↑	Left-Through			0	Ť		ŭ			ŭ	0	Ŭ		ŭ	0	•		· ·	0	
l g	<b>†</b>	Through		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
≝	ĵ	→ Through-Righ	nt	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0	0
OR.	$\downarrow$	→ Right → Left-Through	Right	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ž	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		i i i i i i i i i i i i i i i i i i i		0							0				0				0	
				_																	
9	<i>J L</i>	→ Left → Left-Through		92	0	0	0	92	0	0	100	1 0	100	0	100	1 0	100	0	100	1 0	100
SOUTHBOUND	Ĭ	Through		3	0	0	0	3	0	0	3	0	488	0	3	0	520	0	3	0	515
₩ ₩	ij	Through-Righ	nt		0	ŭ		J	·		J	1	400		J	1	320		Ü	1	0.0
<b>           </b>	۲	Right		385	0	0	32	417	0	68	485	0	0	32	517	0	0	-5	512	0	0
SO	<i>→</i>		Right		0							0				0 0				0	
	_ ~	Leit-Right			U								į			<u> </u>				<u> </u>	
	1			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ĭ		Lone initiagin		420	0		Q	447	•	00	507	0 2	20.4	9	F70	0 2	200	4	F7F	0 2	200
BOI	7		nt	438	0	0	9	447	0	93	567	0	284	9	576	0	288	-1	575	0	288
EASTBOUND	7	Right		69	0	0	0	69	0	19	94	1	94	0	94	1	94	0	94	1	94
Ā	7	Left-Through	Right		0							0				0				0	
	Ιζ	Left-Right			0							0				0				0	
	$\Gamma$	_0		140	0	0	0	140	0	1	153	1	153	0	153	1	153	0	153	1	153
WESTBOUND	7				0							0				0				0	
30	7	- Through-Piak	.+	1693	0	0	16	1709	0	34	1867	2 0	934	16	1883	2	942	-2	1881	2	941
STE	₹ -	Right	ıı	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WE	<b>→</b>		Right		0		_	-		_	-	0	_	-	-	0	_		-	0	
	≻	Left-Right			0	0			0			0	400			0	F20			0	F4.F
		CRITICAL	VOLUMES		th-South: ast-West:	0		orth-South: East-West:	0			th-South: ast-West:	488 934			th-South: ast-West:	520 942			th-South: ast-West:	515 941
	SUM: 0				SUM:	0		East-West: SUM:			E		SUM: 1462				SUM:				
	VOL	LUME/CAPACITY (V	C) RATIO:			0.000			0.000				0.998				1.026				1.022
V/C	LESS	S ATSAC/ATCS ADJ	USTMENT:			0.000			0.000				0.898				0.926				0.922
	LEVEL OF SERVICE (LOS):			Α			Α				D				E				E		
REMARKS:									•								•	•			

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT





I/S #:							Year	of Count:	2017	Amb	ient Grov	vth: (%):	1	Condu	cted by:	d by: GTC			Date: 12/9/2021		
1	East	t-West Street:	3rd Stre	eet			Projec	tion Year:	2025		Pea	ak Hour:	PM	Revie	wed by:			Project: 401 S Hewit		itt	
Орро	osed Ø'in	No. of g: N/S-1, E/W-2 or	Phases Both-3?			3 0			3				3 0				3 0	,			3 0
Right	Turns: Fi	REE-1, NRTOR-2 o	r OLA-3?	NB 0	SB	0	NB		B 0	NB	0	SB	0	NB	0	SB	0	NB	0	SB	0
	ATS	SAC-1 or ATSAC+	ATCS-2?	EB 0	WB	0 2	EB	0 W	B 0 2	EB	0	WB	2	EB	0	WB	0 2	EB	U	WB	0 2
		Override (				0			0				0				0				0
				EXISTI	NG CONDI	TION	EXIST	ING PLUS P	ROJECT	FUTUR	E CONDITI	ON W/O PR	OJECT	FUTUF	RE CONDIT	ION W/ PR	OJECT	FUTURE	W/ PROJE	CT W/ MIT	IGATION
		MOVEMENT			No. of	Lane	Project	Total	Lane	Added	Total	No. of	Lane	Added	Total	No. of	Lane	Added	Total	No. of	Lane
<u> </u>	6		1	Volume	Lanes	Volume	Traffic	Volume	Volume	Volume	Volume	Lanes	Volume	Volume	Volume	Lanes	Volume	Volume	Volume	Lanes	Volume
9	) ↑	Left Left-Through		301	1 0	301	0	301	301	0	326	1 0	326	0	326	1 0	326	0	326	1 0	326
NORTHBOUND	_ ` <u>}</u>	Through		777	2	389	0	777	389	16	857	2	429	0	857	2	429	0	857	2	429
H Ä	<b>→</b>	Through-Right			0							0				0				0	
RT	<u>'</u>	Right		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	$\Rightarrow$	Left-Through-Ri	ght		0 0							0				0				0	
	~~	Left-Right		<u> </u>	U							U				U				U	
	<u> </u>	Left		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOUTHBOUND	<b>&gt;</b>	Left-Through			0							0				0				0	
BOI	<u> </u>	Through		283	1 1	190	0	283	190	4	310	1	207	0	310	1	207	0	310	1	207
III	4	Through-Right Right		96	0	96	0	96	96	0	104	0	104	0	104	0	104	0	104	0	104
00	<b>→</b>	Left-Through-Ri	ght	30	0	50	· ·	30	30		104	Ö	104		104	0	10-1		104	0	104
တ	٠,	Left-Right			0							0				0				0	
	<i></i>	Left			0		0	0	0	0	0	0	0	0	0	0	0		0	0	
₽	<u></u>	Left-Through		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EASTBOUND	$\rightarrow$	Through		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IB(	7	Through-Right		_	0	_	_	_		_		0			_	0		_	_	0	_
AS	7	Right Left-Through-Ri	aht	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ш	∤	Left-Right	giit		0							0				0				0	
		J																			
۵	<b>₹</b>	Left		119	0 1	119	0	119	119	22	151	0 1	151	0	151	0 1	151	0	151	0	151
WESTBOUND	<b>↓</b>	Left-Through Through		1034	3	288	30	1064	296	617	1737	3	472	30	1767	3	480	-5	1762	3	478
_BO	4	Through-Right		1001	0	200	00	1001	200	017	1101	0			1101	0	100		1102	0	0
EST	<b>₹</b>	Right		137	1	137	0	137	137	0	148	1	148	0	148	1	148	0	148	1	148
×	\ <u>\</u>	Left-Through-Ri	ght	Ì	0							0				0				0	
	├ Left-Right			Non	th-South:	491	No	rth-South:	491		Nor	th-South:	533		Non	th-South:	533		Nor	th-South:	533
	CRITICAL VOLUMES			ast-West:	288		East-West:	296			ast-West:	472			ast-West:	480	East-West:		478		
<u> </u>	SU		SUM:	779		SUM:	787			SUM:	1005			SUM:	1013			SUM:	1011		
		E/CAPACITY (V/C)		Ì		0.547			0.552				0.705				0.711				0.709
V/C		SAC/ATCS ADJUS		Ì		0.447			0.452				0.605				0.611				0.609
	L	EVEL OF SERVIC	, ,			Α			Α				В				В				В
REMARKS:																					

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT

Change in v/c due to project: 0.006  $\Delta v/c$  after mitigation: 0.004 Significant impacted? NO Fully mitigated? N/A

12/13/2021-5:35 PM 1 PM - TDM .xls





I/S #:	North-South Street:	Central	Avenue			Year	of Count:	2017	Amb	ient Grov	vth: (%):	1	Condu	cted by:	G <sup>-</sup>	ТС	Date:		12/9/2021	l
2	East-West Street:	4th Stre	et			Projec	tion Year:	2025		Pea	ak Hour:	PM	Revie	wed by:			Project:	40	01 S Hew	itt
	No. of osed Ø'ing: N/S-1, E/W-2 or Turns: FREE-1, NRTOR-2 o		NB 0 EB 0	SB WB	3 0 0	NB EB	0 SE		NB EB	0	SB WB	3 0 0 0	NB EB	0	SB WB	3 0 0 0	NB EB	0	SB WB	3 0 0
	ATSAC-1 or ATSAC+A Override O				2			2				2				2				2
	0.0	apacity	EXISTI	NG CONDI		EXIST	NG PLUS P	ROJECT	FUTUR	E CONDITI	ON W/O PR	ROJECT	FUTUF	RE CONDIT	ION W/ PR	_	FUTURE	W/ PROJE	CT W/ MIT	IGATION
	MOVEMENT		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
Q	Left		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NORTHBOUND	←∫ Left-Through ↑ Through		779	0 1	513	0	779	513	16	860	0	569	0	860	0	569	0	860	0	569
RTHI	Through-Right Right	-1-4	246	0	246	0	246	246	11	277	0	277	0	277	0	277	0	277	0	277
ž	← Left-Through-Rig  ← Left-Right	gnt		0							0				0				0	
Q	↓ Left ↓ Left-Through		80	1 0	80	0	80	80	0	87	1 0	87	0	87	1 0	87	0	87	1 0	87
SOUTHBOUND	→ Through → Through-Right		236	2 0	118	0	236	118	26	282	2 0	141	0	282	2 0	141	0	282	2 0	141
SOUT	<ul><li>✓ Right</li><li>✓ Left-Through-Right</li></ul>	ght	0	0 0 0	0	0	0	0	0	0	0 0 0	0	0	0	0 0 0	0	0	0	0 0 0	0
	J Left																			
QNC	→ Left-Through		46	0	46	0	46	46	0	50	0	50	0	50	0	50	0	50	0	50
EASTBOUND	→ Through → Through-Right → Right		1525 97	2 1 0	<b>417</b> 417	8	1533 97	<b>419</b> 419	390 15	2041 120	2 1 0	<b>553</b> 553	8	2049 120	2 1 0	<b>555</b> 555	-1 0	2048 120	1	<b>555</b> 555
EAS	Left-Through-Ri	ght	91	0	417		91	419	13	120	0	333		120	0	333		120	0	333
	√ Left		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OUNE	Left  ✓ Left  ✓ Left-Through  ✓ Through		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WESTBOUND	Through-Right Right Left-Through-Right		0	0 0 0	0	0	0	0	0	0	0 0 0	0	0	0	0 0 0	0	0	0	0 0 0	0
			0 th-South: ast-West:	593 417		rth-South:	593 419			0 th-South: ast-West:	656 553			th-South:	656 555			th-South:	656 555	
	VOLUME/CAPACITY (V/C)	DATIO:		SUM:	1010		SUM:	1012			SUM:	1209			SUM:	1211			SUM:	1211
V/C	LESS ATSAC/ATCS ADJUS				0.709			0.710				0.848				0.850				0.850
V/C	LEVEL OF SERVICE				0.609 B			0.610 B				0.748 C				0.750 C				0.750 C
<u> </u>		AAPKS:			D			D				U				U				U

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT

Change in v/c due to project: 0.002  $\Delta v/c$  after mitigation: 0.002 Significant impacted? NO Fully mitigated? N/A





I/S #:	North	n-South Street:	Central	Avenue			Year	of Count:	2017	Amb	ient Grow	/th: (%):	1	Condu	cted by:	G <sup>-</sup>	тс	Date:		12/9/2021	
3	Eas	st-West Street:	6th Stre	eet				tion Year:			Pea	k Hour:	PM		wed by:			Project:		01 S Hew	
	!}	No. o	f Phases			4			4				4				4	, ,			4
Opp	osed Ø'i	ing: N/S-1, E/W-2 or	Both-3?			0			0				0				0				0
Right	Turns:	FREE-1, NRTOR-2	or OLA-3?	NB 0	SB	0	NB	0 SI		NB	0	SB	0	NB	0	SB	0	NB	0	SB	0
	Λ-	TSAC-1 or ATSAC+	ATCC 22	EB 0	WB	0 2	EB	0 W	B 0 2	EB	0	WB	0 2	EB	0	WB	0 2	EB	0	WB	0 2
	Α.	Override				0			0				0				0				0
				EXISTI	NG CONDI	TION	EXIST	ING PLUS P	ROJECT	FUTUR	E CONDITION	ON W/O PR	OJECT	FUTUF	RE CONDIT	ION W/ PR	OJECT	FUTURE	W/ PROJE	CT W/ MIT	IGATION
		MOVEMENT			No. of	Lane	Project	Total	Lane	Added	Total	No. of	Lane	Added	Total	No. of	Lane	Added	Total	No. of	Lane
				Volume	Lanes	Volume	Traffic	Volume	Volume	Volume	Volume	Lanes	Volume	Volume	Volume	Lanes	Volume	Volume	Volume	Lanes	Volume
٥	j	Left		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4	Left-Through			0							0				0				0	
8	Î	Through		<b>765</b>	1	473	0	765	473	52	880	1	566	0	880	1	566	0	880	1	566
ΙĒ	Ì Ì	Through-Right		400	1	400	0	400	400	F-7	252	1	050		252	1	252		050	1	252
NORTHBOUND		Right Left-Through-Ri	iaht	180	0 0	180	0	180	180	57	252	0	252	0	252	0	252	0	252	0 0	252
ž	<b>♦</b>	Left-Right	igni		0							0				0				0	
		Lott Hight				i															
	5	Left		27	1	27	0	27	27	4	33	1	33	0	33	1	33	0	33	1	33
SOUTHBOUND	<b>→</b>	Left-Through			0							0				0				0	
l g	∤	Through		331	2	166	0	331	166	0	358	2	179	0	358	2	179	0	358	2	179
≝	4	Through-Right		_	0		•	•	•	•		0	•			0	0		•	0 0	0
5	<i>→</i>	Right Left-Through-Ri	iaht	0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SC	, i	Left-Right	igiit		0							0				0				0	
						:															
	٠	Left		127	1	127	0	127	127	31	169	1	169	0	169	1	169	0	169	1	169
∣ÿ	<i>→</i>	Left-Through			0							0				0				0	
9	$\overrightarrow{7}$	Through		733	2 0	367	4	737	369	300	1094	2	547	4	1098	2	549	-1	1097	2	549
E E	7,	Through-Right Right		129	1	129	0	129	129	187	327	1	327	0	327	1	327	0	327	1	327
EASTBOUND	<b>→</b>	Left-Through-Ri	iaht	129	Ó	129	U	129	129	107	321	0	321	0	321	0	321		321	0	321
ш ш	l ⊰	Left-Right	•		0							0				0				0	
۵	<i>√</i>	Left	•		1	179	0	179	179	125	319	1	319	0	319	1	319	0	319	1	319
S			^	0 0	_	_	^	^	^	^	0	0	_	^	0	0		^	0 0	0	
8	Through  ← Through-Right		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
STI	E t Till Odgil-Kigili		313	2	159	0	313	159	139	478	2	247	0	478	2	247	0	478	2	247	
NE.	⊗   ← Right Left-Through-Right			0			0.0			•	0				0				0		
	Left-Right		0							0				0				0			
		CDITICAL	OLUMES		th-South:	500		North-South: 500 East-West: 548				th-South:	599			h-South:	599			th-South:	599
	CRITICAL VOLUMES East-West:		546	"		548 1048		Ea	ast-West:	866 1465		Ea	ast-West:	868 1467		Ea	ast-West:	868			
<b> </b>	SUM: 1		1046		SUM:				SUM:	1465			SUM:				SUM:	1467			
		, ,				0.761			0.762				1.065				1.067				1.067
V/C	LESS A	TSAC/ATCS ADJUS				0.661			0.662				0.965				0.967				0.967
		LEVEL OF SERVIC	E (LOS):			В			В				E				Е				Е

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT

Change in v/c due to project: 0.002  $\Delta v/c$  after mitigation: 0.002 Significant impacted? NO Fully mitigated? N/A





I/S #:	North-	-South Street:	Central	Avenue			Year	of Count:	2017	Amb	ient Grov	/th: (%):	1	Condu	cted by:	G <sup>-</sup>	ТС	Date:		12/9/2021	
4	East	t-West Street:	7th Stre	et				tion Year:	2025		Pea	ak Hour:	PM		wed by:			Project:	4	01 S Hew	itt
Орро	osed Ø'in	No. of ng: N/S-1, E/W-2 or	Phases Both-3?			2 0			2 0				2		,		2 0	j			2 0
Right	Turns: F	REE-1, NRTOR-2 o	or OLA-3?	NB 0 EB 0	SB WB	0	NB EB	0 SE 0 W		NB EB	0 0	SB WB	0	NB EB	0	SB WB	0	NB EB	0	SB WB	0
	AT	SAC-1 or ATSAC+	ATCS-2?	EB U	WB	2	EB	U VV	2	EB	U	WB	2	EB	U	WB	2	EB	U	VV B	2
		Override (	Capacity			0			0				0				0				0
				EXISTI	NG CONDI			ING PLUS P	ROJECT		E CONDITI				RE CONDIT					CT W/ MIT	
		MOVEMENT		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
Ω	<b>1</b>	Left		58	1	58	0	58	58	0	63	1	63	0	63	1	63	0	63	1	63
1 5	7	Left-Through Through		809	0 1	474	0	809	474	103	979	0 1	570	0	979	0 1	570	0	979	0 1	570
NORTHBOUND	  →	Through-Right		000	1	7/7		000	7,7	100	0.0	1	0.0		0.0	1	0.0		0.0	1	0.0
RT	<u> </u>	Right		138	0	138	0	138	138	11	160	0	160	0	160	0	160	0	160	0	160
8	<b>†</b>	Left-Through-Ri	ight		0 0							0				0 0				0 0	
	Υ	Left-Right			U							U				U				U	
Δ	<u> </u>	Left		43	0	43	0	43	43	187	234	0	234	0	234	0	234	0	234	0	234
N		Left-Through Through		544	1 0	007		F 4.4	007	404	000	1 0		0	000	1 0			000	1 0	
BO	1	Through-Right		541	1	387	0	541	387	104	690	1	777	0	690	1	777	0	690	1	777
SOUTHBOUND	زہ	Right		61	0	387	0	61	387	21	87	0	0	0	87	0	0	0	87	0	0
SOI	<b>→</b>	Left-Through-Ri	ight		0							0				0				0	
	٨,	Left-Right			0							U				U				U	
	٠	Left		95	1	95	0	95	95	0	103	1	103	0	103	1	103	0	103	1	103
l ₹	<i>→</i>	Left-Through Through		000	0 1	420		000	420	200	4400	0 1	coo	0	1100	0 1	600		4400	0	caa
BOL	7	Through-Right		803	1	438	0	803	438	296	1166	1	623	0	1166	1	623	0	1166	1	623
EASTBOUND	7	Right		73	0	73	0	73	73	0	79	0	79	0	79	0	79	0	79	0	79
ΕA	Right			0 0							0				0				0		
		Leit-Right			U							U				U				U	
	<u> </u>	Left		98	1	98	0	98	98	12	118	1	118	0	118	1	118	0	118	1	118
				468	0 1	265	15	483	273	463	970	0 1	522	15	985	0 1	530	-2	983	0 1	529
B0	Through		400	1	200	15	403	213	403	970	1	522	15	900	1	530	2	903	1	529	
EST	Right		62	0	62	0	62	62	7	74	0	74	0	74	0	74	0	74	0	74	
×	Left-Through-Right  Left-Right			0							0				0				0		
	₩	North-S		th-South:	517	No	rth-South:	517		Nor	th-South:	840		Nor	th-South:	840		Nor	th-South:	840	
		CRITICAL VOLUMES East-V		ast-West:	536	E	ast-West:	536		Ea	ast-West:	741		Eá	ast-West:	741		E	ast-West:	741	
<b> </b>	VOLUM	IE/CADACITY (1//C	) BATIO		SUM:			SUM:	1053			SUM:	1581			SUM:	1581			SUM:	1581
V/C		IE/CAPACITY <i>(V/C)</i> ISAC/ATCS ADJUS				0.702			0.702				1.054				1.054				1.054
V/C		LEVEL OF SERVIC				0.602 B			0.602				0.954 E				0.954 F				0.954 E
<u></u>			E (LUS): MARKS:			В			В				E				E				E

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT

Change in v/c due to project: 0.000  $\Delta v/c$  after mitigation: 0.000 Significant impacted? NO Fully mitigated? N/A





I/S #:	North	n-South Street:	Alamed	a Street			Year	of Count:	2017	Amb	ient Grov	vth: (%):	1	Condu	cted by:	G <sup>-</sup>	тс	Date:		12/9/2021	
5	Eas	st-West Street:	2nd Str	eet			Projec	tion Year:	2025		Pea	ak Hour:	PM	Revie	wed by:			Project:	40	01 S Hew	itt
Орро	sed Ø'i	No. of ing: N/S-1, E/W-2 or	Phases Both-3?			3 0			3				3 0				3 0				3 0
Right	Turns: I	FREE-1, NRTOR-2 o	r OLA-3?	NB 0	SB	0	NB	0 SE		NB	0	SB	0	NB	0	SB	0	NB	0	SB	0
	Α	TSAC-1 or ATSAC+	ATCS-2?	EB 0	WB	0 2	EB	0 W	B 0 2	EB	0	WB	0 2	EB	0	WB	0 2	EB	0	WB	0 2
		Override (				0			0				0				0				0
				EXISTI	NG CONDI	TION	EXIST	NG PLUS P	ROJECT	FUTUR	E CONDITI	ON W/O PR	ROJECT	FUTUF	RE CONDIT	ION W/ PR	OJECT	FUTURE	W/ PROJE	CT W/ MIT	IGATION
		MOVEMENT			No. of	Lane	Project	Total	Lane	Added	Total	No. of	Lane	Added	Total	No. of	Lane	Added	Total	No. of	Lane
	6			Volume	Lanes	Volume	Traffic	Volume	Volume	Volume	Volume	Lanes	Volume	Volume	Volume	Lanes	Volume	Volume	Volume	Lanes	Volume
9		Left Left-Through		151	1 0	151	0	151	151	0	164	1 0	164	0	164	1 0	164	0	164	1 0	164
NORTHBOUND	1	Through		896	1	483	60	956	513	357	1327	1	718	60	1387	1	748	-9	1378	1	744
HB	<u></u>	Through-Right			1							1				1				1	
R	<u>'</u>	Right		69	0	69	0	69	69	34	109	0	109	0	109	0	109	0	109	0	109
8	<b>†</b>	Left-Through-Ri	ght		0 0							0				0				0	
	$\Upsilon$	Left-Right			U	İ						U				U				U	
	<u> </u>	Left		62	1	62	0	62	62	0	67	1	67	0	67	1	67	0	67	1	67
₹	<b>→</b>	Left-Through			0							0				0				0	
B01	, j	Through		815	1	441	17	832	450	301	1184	1	629	17	1201	1	637	-3	1198	1	636
SOUTHBOUND	7	Through-Right Right		67	0	67	0	67	67	0	73	0	73	0	73	0	73	0	73	0	73
00	4	Left-Through-Ri	ght	01	0	0,		01	01	· ·	70	0	70		70	0	70		70	0	70
တ	٠,	Left-Right			0							0				0				0	
	ر	Left		407	1	407	0	407	407	0	4.40	1	4.40	0	4.40	1	4.40	0	4.40	1	440
₽	<u></u>	Left-Through		137	0	137	0	137	137	0	148	0	148	0	148	0	148	0	148	0	148
EASTBOUND	$\rightarrow$	Through		237	1	237	0	237	237	15	272	1	272	0	272	1	272	0	272	1	272
I BC		Through-Right			0							0				0				0	
AS.	C-4-1	Right Left-Through-Ri	aht	163	1 0	88	0	163	88	0	177	1 0	95	0	177	1 0	95	0	177	1 0	95
ш	<i>*</i>	Left-Right	giit		0							0				0				0	
	*																				
Δ	<b>\</b>	Left		38	1	38	0	38	38	9	50	1	50	0	50	1	50	0	50	1	50
WESTBOUND	<b>↓</b>	Left-Through Through		86	0 0	142	0	86	142	18	111	0 0	181	0	111	0 0	181	0	111	0	181
<u>B</u> 0	4	Through-Right		00	1	142	U	00	142	10	111	1	101	U	111	1	101	U	111	1	101
EST	4	Right		<b>56</b>	0	0	0	56	0	9	70	0	0	0	70	0	0	0	70	0	0
×	Left-Through-Right 0 Left-Right 0								0				0				0				
	. ↓	Leit-Right		Non	th-South:	592	No	rth-South:	601		Nor	th-South:	793		Nor	th-South:	815		Non	th-South:	811
		CRITICAL VO	DLUMES		ast-West:	279		ast-West:	279			ast-West:	329			ast-West:	329			ast-West:	329
					SUM:	871		SUM:	880			SUM:	1122			SUM:	1144			SUM:	1140
		ME/CAPACITY (V/C)				0.611			0.618				0.787	1			0.803				0.800
V/C		TSAC/ATCS ADJUS				0.511			0.518				0.687	1			0.703				0.700
		LEVEL OF SERVIC	E (LOS):			Α			Α				В				С				С

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT

Change in v/c due to project: 0.016  $\Delta v/c$  after mitigation: 0.013 Significant impacted? NO Fully mitigated? N/A





I/S #:	North-	South Street:	Alamed	a Street			Year	of Count:	2017	Amb	ient Grov	vth: (%):	1	Condu	cted by:	G <sup>-</sup>	ТС	Date:		12/9/2021	
6	East	t-West Street:	3rd Stre	et/4th Place	9		Projec	tion Year:	2025		Pea	ak Hour:	PM	Revie	wed by:			Project:	40	01 S Hewi	itt
1		No. of ng: N/S-1, E/W-2 or REE-1, NRTOR-2 o		NB 0	SB	3 0 0	NB	0 SE		NB	0	SB	3 0 0	NB	0	SB	3 0 0	NB	0	SB	3 0 0
ig.i.c		SAC-1 or ATSAC+A		EB 0	WB	0	EB	0 W		EB	0	WB	0 2	EB	0	WB	0	EB	0	WB	0
	AIS	Override (				2			2				0				2				2
				EXISTI	NG CONDI	TION	EXIST	NG PLUS P	ROJECT	FUTUR	E CONDITI	ON W/O PR	OJECT	FUTUF	RE CONDIT	ION W/ PR	OJECT	FUTURE	W/ PROJE	CT W/ MIT	IGATION
		MOVEMENT		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
₽		Left Left-Through		245	1 0	245	0	245	245	87	352	1 0	352	0	352	1 0	352	0	352	1 0	352
NORTHBOUND	7	Through Through-Right		1063	0 2 0	532	0	1063	532	350	1501	2	751	0	1501	0 2 0	751	0	1501	0 2 0	751
TH		Right		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Š	<b>↔</b>	Left-Through-Ri	ght		0							0				0				0	
	Y	Left-Right			0							0				0				0	
9	<u>,</u>	Left		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
l Š		Left-Through Through		747	0 2	374	17	764	382	297	1106	0 2	553	17	1123	0 2	562	-3	1120	0 2	560
SOUTHBOUND	4	Through-Right			0			701				0	000		1120	0				0	
5	<b>↓</b>	Right Left-Through-Ri	aht	146	1 0	146	0	146	146	13	171	1 0	171	0	171	1 0	171	0	171	1	171
S	٠,	Left-Right	giit		0							0				0				0	
₽	_ <u>)</u> 	Left Left-Through		0	0 0	0	0	0	0	0	0	0	0	0	0	0 0	0	0	0	0	0
Į Š	$\rightarrow$	Through		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Ö	0
EASTBOUND	7	Through-Right			0 0	0		0	0		0	0	0	0	0	0	0		0	0	0
EAS	<b>†</b>	Right Left-Through-Ri	ght	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ш	⊰	Left-Right			0							0				0				0	
		Left		95	0	95	115	210	210	195	298	0	298	115	413	0	413	-18	395	0	395
Ω	<del>\frac{1}{\frac{1}{2}}</del>	Left-Through		30	1	90	110	210	210	190	230	1	230	110	413	1	413	-10	333	1	390
WESTBOUND	<i>₹</i>	Through		625	2	197	30	655	248	540	1217	2	408	30	1247	2	459	-5	1242	2	451
STE	•	Through-Right Right		67	1 0	197	60	127	248	43	116	1 0	408	60	176	1 0	459	-9	167	1 0	451
WE	1.4. J	Left-Through-Ri Left-Right	ght	Ŭ.	0	.01		,				0	.50			0	.50		. 3,	0	.51
	-	-			th-South:	619		rth-South:	627			th-South:	905			th-South:	914			th-South:	912
		CRITICAL VO	DLUMES	Ea	ast-West: SUM:	197 816	"	East-West: SUM:	248 875		E	ast-West: SUM:	408 1313		Ea	ast-West: SUM:	459 1373		Ea	ast-West: SUM:	451 1363
	VOLUM	IE/CAPACITY (V/C)	RATIO:		JUNI.	0.573		30W.	0.614			JUIVI.	0.921			301//	0.964			SUN.	0.956
V/C		SAC/ATCS ADJUS				0.373			0.514				0.821				0.864				0.856
		LEVEL OF SERVICE				Α			Α				D				D				D.000
			NVBKS.	•						·				·							_

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT

Change in v/c due to project: 0.043  $\Delta v/c$  after mitigation: 0.035 Significant impacted? YES Fully mitigated? NO





I/S #:	Nor	rth-South Street:	Alamed	la Street			Year	of Count:	2017	Amb	ient Grov	vth: (%):	1	Condu	cted by:	G	тс	Date:		12/9/2021	I
7	Е	ast-West Street:	4th Stre	eet			Projec	tion Year:	2025		Pea	ak Hour:	PM	Revie	wed by:			Project:	40	01 S Hew	itt
Орро	osed Ø	No. o Ø'ing: N/S-1, E/W-2 o	of Phases r Both-3?			2 0			2 0				2 0				2 0			ı	2 0
Right	Turns	s: FREE-1, NRTOR-2	or OLA-3?	NB 0 EB 0	SB WB	0	NB EB		B 0	NB EB	0	SB WB	0	NB EB	0 0	SB WB	0	NB EB	0	SB WB	0
		ATSAC-1 or ATSAC+	ATCS-2?	EB 0	WD	2	ED	U VV	2	ED	U	VV D	2	ED	U	WD	2	ED	U	VV D	2
		Override	Capacity			0			0				0				0				0
				EXISTI	NG CONDI	TION	EXIST	ING PLUS P	ROJECT	FUTUR	E CONDITI	ON W/O PR	OJECT	FUTUF	RE CONDIT	ION W/ PR	OJECT	FUTURE	W/ PROJE	CT W/ MIT	IGATION
		MOVEMENT			No. of	Lane	Project	Total	Lane	Added	Total	No. of	Lane	Added	Total	No. of	Lane	Added	Total	No. of	Lane
	5	Left		Volume	Lanes 0	Volume 0	Traffic 0	Volume 0	Volume 0	Volume 0	Volume 0	Lanes 0	Volume 0	Volume	Volume 0	Lanes 0	Volume 0	Volume	Volume 0	Lanes 0	Volume 0
9	7	Left-Through		U	0	U	U	U	U	U	U	0	U	0	U	0	U	0	U	0	U
NORTHBOUND	l	Through		976	1	518	0	976	535	394	1451	1	846	0	1451	1	862	0	1451	1	860
Ř	<b>Ì</b> →	. Through-Right			1							1				1				1	
RT	<u>`</u>	Right		60	0	60	33	93	93	175	240	0	240	33	273	0	273	-5	268	0	268
ž	<b>†</b>		Right		0							0				0				0	
		Leit-Kigiit		<u> </u>																	
Ω	Ç	Left		117	1	117	42	159	159	27	154	1	154	42	196	1	196	-7	189	1	189
SOUTHBOUND	<b>♪</b>	Left-Through		740	0 2	070	00	000	447	400	4000	0	00.4	00	4050	0	070		4044	0 2	070
BO	1	Through Through-Right		743	0	372	90	833	417	463	1268	2	634	90	1358	2	679	-14	1344	0	672
Ӗ	ر	Right		0	0	0	0	0	0	0	0	0	0	0	0	Ö	0	0	0	0	0
) So	<b>+</b>		Right		0							0				0				0	
<b>"</b>	, ا	Left-Right		<u> </u>	0							0				0				0	
	<i>J</i>	Left		224	0	224	0	224	224	38	281	0	281	0	281	0	281	0	281	0	281
Ð	<u></u>	Lone initiagii			1							1				1				1	
90	$\overrightarrow{\gamma}$			1421	2	548	8	1429	551	226	1765	2	682	8	1773	2	685	-1	1772	2	684
EASTBOUND	7	Through-Right Right		161	0 1	161	0	161	161	137	311	0 1	311	0	311	0 1	311	0	311	0 1	311
EAS	7	Left-Through-R	Right	101	0	101		101	101	137	311	Ö	311		311	Ö	311		311	0	311
	$\dashv$	Left-Right		<u> </u>	0							0				0				0	
	<i></i>	Left		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	<del>,</del>			U	0	U		U	U	0	U	0	U		U	0	U	· ·	U	0	U
l lo	C		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ΨĬ	Through-Pight		_	0	0	0	0	0	_	0	0	0		0	0	0	_	0	0	0	
VES	Right 0		0	0	U	0	0	0	0	0	0	0	U	0	0	0	0	0	0		
5	├ Left-Right 0								Ő				ő				Ö				
		ODITICAL	(OLUMES	North-South: East-West:		635		rth-South:	694			th-South:	1000			th-South:	1058			th-South:	1049
		CRITICAL V	OLUMES			548 1183	"	East-West: SUM:	551 1245		E	ast-West: SUM:	682 1682		E	ast-West: SUM:			E	ast-West: SUM:	684 1733
	VOL	UME/CAPACITY (V/C	C) RATIO:		JUIVI.	0.789		JUNI.	0.830			JUIVI.	1.121			SUM.	1.162			JUNI.	1.155
V/C		ATSAC/ATCS ADJU	•			0.789			0.830 <b>0.730</b>				1.021	1			1.162				1.155
"		LEVEL OF SERVICE				0.009 B			0.730 C				F	1			1.002 F				1.055 F
<u> </u>			EMARKS:	<u> </u>		0			<u> </u>	<u> </u>			-	I							

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT

Change in v/c due to project: 0.041  $\Delta v/c$  after mitigation: 0.034 Significant impacted? YES Fully mitigated? NO





I/S #:	North-	-South Street:	Alamed	a Street			Year	of Count:	2017	Amb	ient Grov	/th: (%):	1	Condu	cted by:	G <sup>-</sup>	ТС	Date:		12/9/2021	
8	Eas	t-West Street:	6th Stre	eet			Projec	tion Year:	2025		Pea	ak Hour:	PM	Revie	wed by:			Project:	40	01 S Hewi	itt
Орро	osed Ø'ir	No. of ng: N/S-1, E/W-2 or	Phases Both-3?			3			3				3				3				3
Right	Turns: F	REE-1, NRTOR-2 o	or OLA-3?	NB 0 EB 0	SB WB	0	NB EB	0 SE 0 W		NB EB	0	SB WB	0	NB EB	0	SB WB	0	NB EB	0 0	SB WB	0
	AT	SAC-1 or ATSAC+	ATCS-2?	<i>LB</i> 0	VV D	2	<i></i>	U VV	2		U	VV D	2	LB	U	WB	2		U	VV D	2
		Override (	Capacity			0			0				0				0				0
				EXISTI	NG CONDI			ING PLUS P	ROJECT		E CONDITI				RE CONDIT					CT W/ MIT	
		MOVEMENT		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
	j	Left		102	1	102	0	102	102	8	118	1	118	0	118	1	118	0	118	1	118
NORTHBOUND	4	Left-Through		0.40	0		0.5	007		0.40	4400	0		0.5	4405	0			4404	0	
B0	Ţ	Through Through-Right		842	1 1	458	25	867	471	248	1160	1	735	25	1185	1	747	-4	1181	1	745
Ӗ		Right		74	0	74	0	74	74	229	309	0	309	0	309	0	309	0	309	0	309
Š	<b>\(\frac{1}{4}\)</b>	Left-Through-Ri	ight		0							0				0				0	
	$\stackrel{\cdot}{\rightsquigarrow}$	Left-Right			0							0				0				0	
1		Left		79	1	79	15	94	94	252	338	1	338	15	353	1	353	-2	351	1	351
2	<b>→</b>	Left-Through		79	Ó	19	15	94	34	202	330	0	330	15	333	0	333	-2	331	0	331
l S	ļ	Through		641	1	359	75	716	396	143	837	1	460	75	912	1	497	-12	900	1	491
SOUTHBOUND	4	Through-Right		70	1	70		70	70	•	00	1	00		00	1	00		00	1	00
5	→ →	Right Left-Through-Ri	iaht	76	0 0	76	0	76	76	0	82	0	82	0	82	0	82	0	82	0	82
SC	بلّٰہ	Left-Right	9		0							0				Ö				0	
۵	<u>)</u>	Left Left-Through		110	1 0	110	4	114	114	32	151	1 0	151	4	155	1 0	155	-1	154	1 0	154
EASTBOUND	$\rightarrow$	Through		714	1	398	0	714	398	257	1030	1	596	0	1030	1	596	0	1030	1	596
<u>8</u>		Through-Right			1					20.	.000	1			.000	1			.000	1	
4ST	3	Right		82	0	0		82	82	73	162	0	162	0	162	0	162	0	162	0	162
Ē	<i>)</i>	Left-Through-Right			0							0				0				0	
	, , , , , , , , , , , , , , , , , , ,			l																	
۵	<i>√</i>	Left		41	1	41	0	41	41	252	296	1	296	0	296	1	296	0	296	1	296
3			237	0 1	144	0	237	146	256	513	0 1	381	0	513	0 1	383	0	513	0 1	383	
99	Through  ← Through-Right		231	1	144		231	140	200	513	1	301		313	1	303	"	513	1	303	
EST	Right		50	0	50	4	54	54	195	249	0	249	4	253	0	253	-1	252	0	252	
W	Left-Through-Right Left-Right		0 0							0				0 0				0 0			
	· · · · ·	North-S		th-South:	537	No	rth-South:	565		Nor	th-South:	1073		Nort	h-South:	1100		Nor	th-South:	1096	
		CRITICAL VOLUMES East-We		ast-West:	439	E	ast-West:	439		E	ast-West:	892		Ea	ast-West:	892		E	ast-West:	892	
	VOL 135	AEICADACITY (1/0	L DATIO:		SUM:	976		SUM:	1004			SUM:	1965			SUM:	1992			SUM:	1988
1//0		ME/CAPACITY (V/C)				0.685			0.705				1.379				1.398				1.395
V/C		TSAC/ATCS ADJUS		Ì		0.585			0.605				1.279				1.298				1.295
		LEVEL OF SERVIC	E (LOS): MARKS:			Α			В				F				F				F

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT

Change in v/c due to project: 0.019  $\Delta v/c$  after mitigation: 0.016 Significant impacted? YES Fully mitigated? NO





I/S #:	Nort	th-South Street:	Alamed	la Street			Voor	of Count:	2017	Amb	ient Grow	/th: (%):	4	Candu	atad by	C	тс	Date:		12/9/2021	1
9		ast-West Street:	7th Stre					tion Year:		711112		k Hour:	PM		cted by:	G	10	Project:		01 S Hew	
3			of Phases			3	110,00	tion rear.	3				3	IVEALE	wed by.		3	r roject.	40	JI S Hew	3
Орро	osed Ø	ing: N/S-1, E/W-2 وا				0			0				0				0				0
Right	Turns	: FREE-1, NRTOR-2	or OI A-3?	NB 0	SB	0	NB	0 SI	3 0	NB	0	SB	0	NB	0	SB	0	NB	0	SB	0
Kigiit				EB 0	WB	0	EB	0 W		EB	0	WB	0	EB	0	WB	0	EB	0	WB	0
	,	ATSAC-1 or ATSAC+				2			2				2				2				2
		Override	Capacity	EVICTI	NG CONDI	•	EVICT	NG PLUS P	U	EUTUD	E CONDITION	ON W/O DE		EUTUE	RE CONDIT	ION W/ DD		EUTUDE	W/ PROJE	CT W/ MIT	U
		MOVEMENT		LAISTI	No. of	Lane	Project	Total	Lane	Added	Total	No. of	Lane	Added	Total	No. of	Lane	Added	Total	No. of	Lane
		III O V E III E I V I		Volume	Lanes	Volume	Traffic	Volume	Volume	Volume	Volume	Lanes	Volume	Volume	Volume	Lanes	Volume	Volume	Volume	Lanes	Volume
	1	Left		109	1	109	0	109	109	0	118	1	118	0	118	1	118	0	118	1	118
N	<↑	Left-Through			0							0				0				0	
اق	Ì	Through		761	1	438	21	782	449	227	1051	1	633	21	1072	1	643	-3	1069	1	642
₩	<b>}</b> →	Through-Right			1							1				1				1	
NORTHBOUND	, i	Right	1l. 4	115	0	115	0	115	115	89	214	0	214	0	214	0	214	0	214	0	214
N	$\downarrow$	Left-Through-R Left-Right	light		0 0							0				0				0 0	
	$\wedge$	Len-Right			U	i						U				U				U	
	<u>,</u>	Left		105	1	105	0	105	105	92	206	1	206	0	206	1	206	0	206	1	206
¥	<b>\</b>	Left-Through			0							0				0				0	
30		Through		714	1	379	60	774	416	233	1006	1	586	60	1066	1	623	-9	1057	1	618
≝	4	Through-Right		40	1 0	40	45	50	50	440	405	1 0	405	45	400	1 0	400		470	1 0	470
SOUTHBOUND	→ →	Right Left-Through-R	iaht	43	0	43	15	58	58	118	165	0	165	15	180	0	180	-2	178	0	178
SC	į,	Left-Right			0							0				0				0	
		Left		98	1	98	0	98	98	77	183	1	183	0	183	1	183	0	183	1	183
₹	<i>→</i>	Left-Through Through		757	0 1	405		757	405	447	4007	0 1	070	•	4007	0 1	070		4007	0	070
EASTBOUND	7	Through Through-Right		757	1	435	0	757	435	417	1237	1	679	0	1237	1	679	0	1237	1	679
STE	7	Right		112	0	112	0	112	112	0	121	0	121	0	121	0	121	0	121	0	121
EĄ	$\rightarrow$	Left-Through-R	light		0							0				0				0	
	$\dashv$	Left-Right			0							0				0				0	
		I oft		79	1	79	0	79	79	89	175	1	175	0	175	1	175	0	175	1	175
9	Left  ✓ Left-Through			19	0	19	U	19	19	09	175	0	173	U	175	0	173		175	0	175
∥ Ď	Left-Through Through		420	1	271	0	420	273	362	817	1	576	0	817	1	578	0	817	1	578	
l BΩ	Through-Right			1							1				1				1		
ESI	Sight Left-Through-Right		122	0	122	4	126	126	203	335	0	335	4	339	0	339	-1	338	0	338	
<b>×</b>	Left-Through-Right Left-Right			0							0				0				0		
		Len-Nigili		Non	North-South: 543 North-S		rth-South:	554		Nort	th-South:	839		Nor	h-South:	849		Non	th-South:	848	
		CRITICAL V	OLUMES	East-West: 514		-	ast-West:	514			st-West:	854			st-West:	854			ast-West:	854	
	Luci Wood		1057		SUM:	1068			SUM:	1693			SUM:	1703			SUM:	1702			
	VOL	UME/CAPACITY (V/C	) RATIO:			0.742			0.749				1.188				1.195				1.194
V/C	LESS.	ATSAC/ATCS ADJU	STMENT:			0.642			0.649				1.088				1.095				1.094
		LEVEL OF SERVICE	CE (LOS):			В			В				F				F				F
		LEVEL OF SERVICE (LOS):			_			<u>-</u>													

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT

Change in v/c due to project: 0.007  $\Delta v/c$  after mitigation: 0.006 Significant impacted? NO Fully mitigated? N/A





I/S #:	North-	-South Street:	Alamed	a Street			Year	of Count:	2017	Amb	ient Grov	vth: (%):	1	Condu	cted by:	G	ТС	Date:		12/9/2021	
10	Eas	st-West Street:	Olympi	c Boulevard	I		Projec	tion Year:	2025		Pea	ak Hour:	PM	Revie	wed by:			Project:	40	01 S Hewi	itt
		ng: N/S-1, E/W-2 or		NB 0	SB	2 0 0	NB	0 Si	2 0 3 0	NB	0	SB	2 0 0	NB	0	SB	2 0 0	NB	0	SB	2 0 0
Right		FREE-1, NRTOR-2 o		EB 0	WB	0	EB	0 W		EB	0	WB	0	EB	0	WB	0	EB	0	WB	0
	AT	FSAC-1 or ATSAC+/ Override (				2			2				2				2				2
				EXISTI	NG CONDI	TION	EXIST	ING PLUS P	ROJECT	FUTUR	E CONDITI	ON W/O PR	OJECT	FUTUF	RE CONDIT	ION W/ PR	OJECT	FUTURE	W/ PROJE	CT W/ MIT	IGATION
		MOVEMENT		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
₽	J	Left		75	1	75	0	75	75	4	85	1	85	0	85	1	85	0	85	1	85
NORTHBOUND	$\uparrow$	Left-Through Through		788	0 1	487	17	805	495	262	1115	0	658	17	1132	0	666	-3	1129	0	665
🗏	È	Through-Right Right		185	1 0	185	0	185	185	0	200	1 0	200	0	200	1 0	200	0	200	1 0	200
S.	<b>↔</b>	Left-Through-Ri	ght	100	0	100	U	103	100	0	200	0	200	0	200	0	200	0	200	0	200
Z	$\stackrel{\smile}{\rightsquigarrow}$	Left-Right			0							0				0				0	
		Left		100	1	100	0	100	100	89	197	1	197	0	197	1	197	0	197	1	197
Q.	<b>→</b>	Left-Through		100	Ó	100	U	100	100	09	197	Ó	197	U	197	Ó	191	U	197	0	191
300		Through		882	2	441	60	942	471	233	1188	2	594	60	1248	2	624	-9	1239	2	620
SOUTHBOUND	4	Through-Right Right		129	0 1	98	0	129	98	0	140	0 1	101	0	140	0 1	101	0	140	0 1	101
.no	4	Left-Through-Ri	ght	129	0	90	U	129	90	U	140	Ó	101	U	140	Ó	101	U	140	0	101
S	٠,	Left-Right			0							0				0				0	
		Left		62	1	62	0	62	62	11	78	1	78	0	78	1	78	0	78	1	78
₽		Left-Through		02	0	02		02	02		70	0	70		70	0	70		70	0	70
9	$\overrightarrow{7}$	Through		961	1	507	0	961	507	237	1278	1	670	0	1278	1	670	0	1278	1	670
EASTBOUND	7	Through-Right Right		53	1 0	53	0	53	53	5	62	1 0	62	0	62	0	62	0	62	0	62
EA:	<b>→</b>	Left-Through-Ri	ght		0	30					02	0	02		02	0	02		02	0	02
	$\dashv$	Left-Right			0							0				0				0	
	r	Left		77	1	77	0	77	77	0	83	1	83	0	83	1	83	0	83	1	83
WESTBOUND				0							0		_		0		1 _		0		
BOL	← Through 9      Through-Right		909	1 1	474	0	909	476	190	1174	1	630	0	1174	1	632	0	1174	1	631	
STI	1 ← Through-Right 2 ← Right		39	0	39	4	43	43	43	85	0	85	4	89	0	89	-1	88	0	88	
WE	Left-Through-Right  Left-Right		0 0							0 0				0 0				0			
	- ,	CRITICAL VO	DLUMES		th-South: ast-West: SUM:	587 584 1171		rth-South: East-West: SUM:	595 584 1179			th-South: ast-West: SUM:	855 753 1608			th-South: ast-West: SUM:	863 753 1616			th-South: ast-West: SUM:	862 753 1615
	VOLUN	ME/CAPACITY (V/C)	RATIO:			0.781			0.786				1.072				1.077				1.077
V/C	LESS AT	TSAC/ATCS ADJUS	TMENT:			0.681			0.686				0.972				0.977				0.977
		LEVEL OF SERVIC	E (LOS):			В			В				E				Е				E
_		DE	WARKS:																		

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT

Change in v/c due to project: 0.005  $\Delta v/c$  after mitigation: 0.005 Significant impacted? NO Fully mitigated? N/A





I/S #:	North-South Street:	Alamed	a Street			Year	of Count:	2017	Amb	ient Grov	vth: (%):	1	Condu	cted by:	G <sup>-</sup>	ТС	Date:		12/9/2021	
11	East-West Street:	I-10 EB	Ramps			Projec	tion Year:	2025		Pea	ak Hour:	PM	Revie	wed by:			Project:	40	01 S Hew	itt
	No. of osed Ø'ing: N/S-1, E/W-2 or Turns: FREE-1, NRTOR-2 o		NB 0 EB 3	SB WB	4 2 0 0	NB EB	0 SE		NB EB	0	SB WB	4 2 0 0	NB EB	0	SB WB	4 2 0 0	NB EB	0	SB WB	4 2 0 0
	ATSAC-1 or ATSAC+/			2	2	22	0 111	2			2	2			2	2			2	2
	0.00.000	- upue.i.y	EXISTI	NG CONDI		EXIST	NG PLUS P	ROJECT	FUTUR	E CONDITI	ON W/O PR	OJECT	FUTUF	RE CONDIT	ION W/ PR	_	FUTURE	W/ PROJE	CT W/ MIT	IGATION
	MOVEMENT		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
۵	Left		422	1	422	0	422	422	0	457	1	457	0	457	1	457	0	457	1	457
NORTHBOUND	Left-Through Through		1021	0 1	511	8	1029	515	70	1176	0	588	8	1184	0	592	-1	1183	0	592
ORTH	↑ Through-Right ↑ Right ↓ Left-Through-Ri	alh 4	0	1 0 0	0	0	0	0	0	0	1 0 0	0	0	0	0	0	0	0	0	0
ž	← Left-Through-Ri  ← Left-Right	yııt		0							0				0				0	
9	→ Left → Left-Through		0	1 0	0	0	0	0	0	0	1 0	0	0	0	1 0	0	0	0	1 0	0
нвоп	→ Through → Through-Right		1183	2 0	592	30	1213	607	68	1349	2	675	30	1379	2	690	-5	1374	2	687
SOUTHBOUND		ght	466	1 0 0	432	0	466	428	17	522	1 0 0	455	0	522	1 0 0	451	0	522	1 0 0	451
	→ Left-Right			U							U				U				U	
Q	∠ Left     ∠ Left-Through		69	1 0	69	8	77	77	60	135	1 0	135	8	143	1 0	143	-1	142	1 0	142
EASTBOUND	→ Through  → Through-Right  → Right		0	0	0	0	0	0	0	0	0 0 1	0	0	0	0	0	0	0	0	0
EAS	i Kigiit	ht 22 t-Through-Right		0 0	0	0	225	0	0	244	0 0	0	0	244	0 0	0	0	244	0 0	0
					:										-					
JND	✓ Left ✓ Left-Through		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
тво	Through  ← Through-Right		7	0 0 0	<b>0</b>	0	0 7	<b>0</b>	0	0	0 0 0	<b>0</b>	0	0	0 0 0	0	0	0	0 0 0	0
WES	Right 7  Left-Through-Right  Left-Right		,	0	U	U	,	U	U	0	0	U	U	0	0	U	U	0	0	U
	North-So CRITICAL VOLUMES East-W S		th-South: ast-West: SUM:	1014 69 1083		rth-South: East-West: SUM:	1029 77 1106			th-South: ast-West: SUM:	1132 135 1267			th-South: ast-West: SUM:	1147 143 1290			th-South: ast-West: SUM:	1144 142 1286	
	VOLUME/CAPACITY (V/C)	RATIO:			0.788			0.804				0.921				0.938				0.935
V/C	LESS ATSAC/ATCS ADJUS				0.688 B			0.704 C				0.821 D				0.838 D				0.835 D
<u> </u>		MARKS.			D			U				ע				ע				ע

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT

Change in v/c due to project:	0.017	∆v/c after mitigation:	0.014
Significant impacted?	NO	Fully mitigated?	N/A





	Opposed Ø Right Turns	No. of Ø'ing: N/S-1, E/W-2 or I ns: FREE-1, NRTOR-2 or	Phases	et					0005		D										
No. of Phases   Special Phases   Speci	Right Turns	Ø'ing: N/S-1, E/W-2 or Ins: FREE-1, NRTOR-2 or					,	uon rear.	2025		Pea	ak Hour:	PM	Revie	wed by:			Project:	40	01 S Hew	itt
Right Turns: FREE-1, NRTOR-2 or OLA-3?   NB- 0   SB- 0	Right Turns	ns: FREE-1, NRTOR-2 or	Both-3?						3								3				3
ATSAC-1 or ATSAC+ATCS-27 Override Capacity    Barrian   Compute	•	•																			
ATSAC+1 or ATSAC+3c2-2			r OLA-3?			-															-
Override Capacity   Override Capacity   Override Capacity   Existing Condition   Existing PLUS PROJECT   Total   Lane   No. of   No. of   Lane   No. of   La		ATSAC-1 or ATSAC+A	TCS-2?	EB 0	VV D	-	ED	U VVI	-	ED	U	VV D		ED	U	WD		ED	U	VV D	
MOVEMENT   Volume   Lane   Volume   Lane   Volume   Vol																	0				
Volume   Lanes   Volume   Lanes   Volume   Lanes   Volume   Volu				EXISTI	NG CONDI	TION	EXISTI	NG PLUS P	ROJECT	FUTUR	E CONDITION	ON W/O PR	OJECT	FUTUF	RE CONDIT	ION W/ PR	OJECT	FUTURE	W/ PROJE	CT W/ MIT	IGATION
Left   S		MOVEMENT																			
Left-Through   42																					
Ceft-Right   Cef	₽ ]			8		8	0	8	8	0	9		9	0	9		9	0	9		9
Ceft-Right   Cef	<b>5</b>   7	•		12		190	0	12	190	0	45		211	0	45		211	0	45		211
Ceft-Right   Cef	<u>8</u>   ↓	•		72		100		72	100	O	40		211		40		211		70		211
Ceft-Right   Cef	<b>₽</b>   ₩			130	0	0	0	130	0	16	157		0	0	157	0	0	0	157	0	0
Ceft-Right   Cef	፬   ↔	→ Left-Through-Rig	ght		1											1				1	
Left-Through   27   0   124   0   27   124   0   29   0   134   0   29   0	<u> </u>	→ Left-Right			0							0				0				0	
Left-Through   27   0   124   0   27   124   0   29   0   134   0   29   0		∟ l aft		64	0	64	0	64	64	0	60	0	60	0	60	0	60	0	60	0	60
Q	Q			04		04	0	04	04	U	09		09	0	09		09	U	09		09
Q	3   ↓	Through		27	0	124	0	27	124	0	29		134	0	29	0	134	0	29	0	134
Q	₽   ₹																			_	
Q	5 1 1	Right	wh.	33	0	0	0	33	0	0	36		0	0	36	0	0	0	36	0	0
QUEST       91       0       91       0       91       0       91       0       91       0       91       0       99       0       89       0       99       0 <t< td=""><td>S</td><td></td><td>Jiii.</td><td></td><td>0</td><td></td><td></td><td></td><td></td><td></td><td></td><td>•</td><td></td><td></td><td></td><td>0</td><td></td><td></td><td></td><td>0</td><td></td></t<>	S		Jiii.		0							•				0				0	
GR       →       Left-Through       775       1       479       0       775       479       5       844       1       521       0       844       1       521       0       844       1       521       0       844       1       521       0       844       1       521       0       844       1       521       0       844       1       521       0       1       9       0						:															
I ← Left     54     0     54     0     54     0     58     0				91	0	91	0	91	91	0	99		99	0	99		99	0	99	0	99
I ← Left     54     0     54     0     54     0     58     0				775	1	470	0	775	470	_	044	•	E24	0	044	•	E24	0	044	1	E24
I ← Left     54     0     54     0     54     0     58     0	og   →	illough		775		4/9	U	775	4/9	5	044		321	U	044	•	321	U	044	0	321
I ← Left     54     0     54     0     54     0     58     0	ST			18	1	18	0	18	18	0	19	1	19	0	19	1	19	0	19	1	19
Left 54 0 54 0 54 54 0 58 0 58 0 58 0 58 0 5	4   ₹		ght													•				_	
		Left-Right			0							0				0				0	
Through 342 0 308 0 342 308 5 375 0 335 0		Left		54	0	54	0	54	54	0	58	0	58	0	58	0	58	0	58	0	58
Through 342 0 308 0 342 308 5 375 0 335 0 375 0 335 0 375 0 335 0 375 0 335 0 375 0 335 0 375 0 335 0 375 0 335 0 375 0 335 0 375 0 335 0	₽ ₹	Left-Through			1	Ţ.		٠.	Ŭ.		20	1	- 30		30	1	- 50		30	1	30
Marriage   1   1   1   1   1   1   1   1   1	2	illiougii		342	0	308	0	342	308	5	375		335	0	375		335	0	375	0	335
wy   migns	<b>18</b>   €	nii ougii ragiit		EO	1	200	0	FO	200	0	62	•	225	0	62		225	^	62	1	225
S Left-Through-Right 0 0 0	VES	Left-Through-Right			308	U	58	308	U	63		335	U	63		335	U	63		335	
Left-Right 0 0	>	Left-Right 0															<u> </u>		_		
North-South: 244 North-South: 244 North-South: 280 North-South: 280 North-South: 280							_														
CRITICAL VOLUMES         East-West:         787         East-West:         787         East-West:         856         East-West:         856         East-West:         856         SUM:         1136         SUM:         1136 </td <td></td> <td>CRITICAL VO</td> <td>LUMES</td> <td>Ea</td> <td></td> <td>-</td> <td>E</td> <td></td> <td></td> <td></td> <td>Ea</td> <td></td> <td></td> <td></td> <td>Ea</td> <td></td> <td></td> <td></td> <td>E</td> <td></td> <td></td>		CRITICAL VO	LUMES	Ea		-	E				Ea				Ea				E		
	VOLI	LUME/CAPACITY (V/C)	RATIO:		SUM:			SUM:				SUIVI:				SUIVI:		<del>                                     </del>		SUM:	
0.757		• ,							-												
V/C LESS ATSAC/ATCS ADJUSTMENT:       0.624       0.624       0.697	WC LESS																				
( LEVEL OF SERVICE (LOS): I K K K			(LOS):			В			В				В				В				В

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT

Change in v/c due to project: 0.000  $\Delta v/c$  after mitigation: 0.000 Significant impacted? Fully mitigated?





I/S #:	North-South St	reet: Me	rrick Street/Mo	lino Stree	t	Year	of Count:	2017	Amb	ient Grov	wth: (%):	1	Condu	cted by:	G <sup>*</sup>	тс	Date:		12/9/2021	
13	East-West St	reet: 4th	Street			Projec	tion Year:	2025		Pe	ak Hour:	PM	Revie	wed by:			Project:	40	01 S Hew	itt
'	osed Ø'ing: N/S-1, l Turns: FREE-1, NF		3?	SB	3 1 0	NB	0 SE	3 1 3 0	NB	0	SB	2 0 0	NB	0	SB	2 0 0	NB	0	SB	2 0 0
Kigiit	-		EB 0	WB	0	EB	0 W		EB	0	WB	0	EB	0	WB	0	EB	0	WB	0
		ATSAC+ATCS-: Override Capaci			2			2				2				2				2
		•	EXIST	ING COND	ITION	EXIST	ING PLUS P	ROJECT	FUTUR	E CONDIT	ION W/O PR	ROJECT	FUTU	RE CONDIT	ION W/ PR	OJECT	FUTURE	W/ PROJE	CT W/ MIT	IGATION
	MOVEME	NT	Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
₽	Left	_	37	0	37	0	37	37	3	43	0	43	0	43	0	43	0	43	0	43
NORTHBOUND	← Left-The Throug	•	13	0 0 0	64	0	13	64	0	14	0 0 0	436	0	14	0 0 0	436	0	14	0 0 0	436
ΙΞ	Right	II-Rigiit	14	0	0	0	14	0	364	379	0	0	0	379	0	0	0	379	0	0
N N	← Left-Th	rough-Right		1							1				1				1	
	├── Left-Rig	ght		0							0				0				0	
Q	Left Left-The	87	1 0	87	0	87	87	0	94	0	94	0	94	0	94	0	94	0	94	
l g	Throug	0	0	0	0	0	0	0	0	0	123	0	0	0	123	0	0	0	123	
l ≝ l	→ Throug → Right	27	0	27	0	27	27	0	29	0	0	0	29	0	0	0	29	0	0	
SOUTHBOUND	← Left-Th	21	0	21	0	21	21	0	29	1	U		29	1	U	0	23	1	U	
S	لم Left-Riç		0							0				0				0		
	Left	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	Left-Th		0	ŭ	Ĭ	Ü	ŭ		Ü	0	· ·	Ĭ	Ü	0	· ·	Ů	Ü	0	J	
EASTBOUND	$\overrightarrow{\neg}$ Throug	1521	2	521	120	1641	561	38	1685	2	577	120	1805	2	617	-18	1787	2	611	
STE	→ Right	II-RIGIII	43	0	43	0	43	43	0	47	0	47	0	47	0	47	0	47	0	47
E		rough-Right		0							0				0				0	
	- ≺ Left-Rio	ght		0							0				0				0	
	√ Left		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
K		•	000	0	240	25	647	250	775	1.110	0 1	700	25	4.47.4	0 1	775		4.470	0	770
BO		n h-Right	622	1	346	25	647	358	775	1449	1	762	25	1474	1	775	-4	1470	1	773
WESTBOUND	Right	_	69	0	69	0	69	69	0	75	0	75	0	75	0	75	0	75	0	75
Š	Left-Through-Right  Left-Right			0							0				0 0				0 0	
				rth-South:			rth-South:	151			th-South:	530			th-South:	530			th-South:	530
	CRI	TICAL VOLUME	S I	ast-West:	521	į E	East-West:	561 712		E	ast-West:	762		Ea	ast-West:	775		Ea	ast-West:	773
	VOLUME/CAPAC	ITY (V/C) RATIO	D:	SUM:			SUM:	712 0.500			SUM:				SUM:	1305			SUM:	1303
V/C	LESS ATSAC/ATC	, ,			0.472 <b>0.372</b>			0.500 <b>0.400</b>				0.861 <b>0.761</b>				0.870 <b>0.770</b>				0.869 <b>0.769</b>
		SERVICE (LOS			0.372 A			0.400 A				0.761 C				0.770 C				0.769 C
<u> </u>		DEMARK							l .											)

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT

	_	_		
Change in v/c due to proj	ect:	0.009	$\Delta v/c$ after mitigation:	0.008
Significant impact	ed?	NO	Fully mitigated?	N/A





I/S #:	North-Sou	ıth Street:	Mateo S	Street			Year	of Count:	2017	Amb	ient Grov	vth: (%):	1	Condu	cted by:	G <sup>-</sup>	тс	Date:		12/9/2021	
14	East-We	est Street:	6th Stre	et			Projec	tion Year:	2025		Pea	ak Hour:	PM	Revie	wed by:			Project:	40	01 S Hew	itt
	_	I/S-1, E/W-2 or		NB 0	SB	2 0 0	NB	0 SE	2 0 3 0	NB	0	SB	2 0 0	NB	0	SB	2 0 0	NB	0	SB	2 0 0
Right	Turns: FREE	-1, NRTOR-2 o	r OLA-3?	EB 0	WB	0	EB	0 W		EB	0	WB	0	EB	0	WB	0	EB	0	WB	0
	ATSAC	-1 or ATSAC+A Override C				2 0			2				2 0				2 0				2 0
				EXISTI	NG CONDI	TION	EXIST	NG PLUS P	ROJECT	FUTUR	E CONDITI	ON W/O PR	ROJECT	FUTUF	RE CONDIT	ION W/ PR	OJECT	FUTURE	W/ PROJE	CT W/ MIT	IGATION
	MO	VEMENT		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
₽		eft		43	0	43	0	43	43	41	88	0	88	0	88	0	88	0	88	0	88
NORTHBOUND	∱ ті	eft-Through hrough hrough-Right		128	0 0 0	211	0	128	211	47	186	0 0 0	317	0	186	0 0 0	317	0	186	0 0 0	317
ΙΞ	1	ight		40	0	0	0	40	0	0	43	0	0	0	43	0	0	0	43	0	0
Š	↔ Le	eft-Through-Ri	ght		1							1				1				1	
	├ 🌱 Lo	eft-Right			0							0				0				0	
	. ↓ Le	eft		32	0	32	0	32	32	27	62	0	62	0	62	0	62	0	62	0	62
SOUTHBOUND	Left-Through  Through  → Through-Right				0							0				0				0	
BOI	→ Through-Right → Right			114	0	187	15	129	202	41	164	0 0	322	15	179	0 0	337	-2	177	0	335
ΙĒΙ	Right  Left-Through-Right			41	0	0	0	41	0	52	96	0	0	0	96	0	0	0	96	0	0
000	→ Right → Left-Through-Right → Left-Right				1					-		1				1				1	
, , ,	Left Left				0							0				0				0	
I	Left Left			65	1	65	0	65	65	57	127	1	127	0	127	1	127	0	127	1	127
EASTBOUND					0							0				0				0	
l gg				763	1	418	15	778	426	89	915	1	515	15	930	1	523	-2	928	1	522
STE	→ R	ight		73	Ó	73	0	73	73	36	115	0	115	0	115	0	115	0	115	0	115
EĀ		eft-Through-Ri	ght		0							0				0				0	
	[ -	eft-Right			0							0				0				0	
		eft		13	1	13	0	13	13	0	14	1	14	0	14	1	14	0	14	1	14
		eft-Through			0	46-	_	00.	4	6.	0.10	0	000		0.4.4	0	00.1		0.15	0	000
BOI		hrough hrough-Right		227	1	127	4	231	129	94	340	1	202	4	344	1	204	-1	343	1	203
WESTBOUND	Ri	ight		26	0	26	0	26	26	35	63	0	63	0	63	0	63	0	63	0	63
WE	* <del>-</del> •	eft-Through-Rig eft-Right	ght		0 0							0 0				0 0				0 0	
		CDITICAL VO	N LIMES		h-South:	243		rth-South:	245			th-South:	410			th-South:	425			th-South:	423
		CRITICAL VO	PLUME2	Ea	ast-West: SUM:	431 674	E	ast-West: SUM:	439 684		E	ast-West: SUM:	529 939		Ea	ast-West: SUM:	537 962		Ea	ast-West: SUM:	536 959
	VOLUME/C	APACITY (V/C)	RATIO:		30W.	0.449		30W.	0.456			30111.	0.626			30111.	0.641			30111.	0.639
V/C		C/ATCS ADJUS				0.449 <b>0.349</b>			0.456 0.356				0.020				0.541				0.639
		EL OF SERVICE				Α			Α				Α				Α				Α
<u> </u>			IAPKS.			- '															

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT

Change in v/c due to project: 0.015  $\Delta v/c$  after mitigation: 0.013 Significant impacted? NO Fully mitigated? N/A





I/S #:	North-South Street:	Mateo	Street			Year	of Count:	2017	Amb	ient Grov	vth: (%):	1	Condu	cted by:	G <sup>.</sup>	тс	Date:		12/9/2021	
15	East-West Street:	7th Str	eet			Projec	tion Year:	2025		Pea	ak Hour:	PM	Revie	wed by:			Project:	40	01 S Hewi	itt
	osed Ø'ing: N/S-1, E/W-2		NB 0	SB	2 0 0	NB	0 SE	2 0 3 0	NB	0	SB	2 0 0	NB	0	SB	2 0 0	NB	0	SB	2 0 0
Right	Turns: FREE-1, NRTOR-2		EB 0	WB	0	EB	0 W		EB	0	WB	0	EB	0	WB	0	EB	0	WB	0
	ATSAC-1 or ATSAC Overrid	+ATCS-2? • Capacity			2 0			2				2 0				2 0				2 0
			EXISTI	ING CONDI	TION	EXIST	ING PLUS P	ROJECT	FUTUR	E CONDITI	ON W/O PR	ROJECT	FUTUF	RE CONDIT	ION W/ PR	OJECT	FUTURE	W/ PROJE	CT W/ MIT	IGATION
	MOVEMENT		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
₽	Left		110	0	110	0	110	110	171	290	0	290	0	290	0	290	0	290	0	290
NORTHBOUND	← Left-Through	•	163	0 0 0	328	0	163	328	50	227	0 0 0	769	0	227	0 0 0	769	0	227	0 0 0	769
Ӗ	Right		55	0	0	0	55	0	192	252	0	0	0	252	0	0	0	252	0	0
NO	← Left-Through- ← Left-Right	Right		1							1 0				1 0				1 0	
					:															
9	Left Left Thereselve		49	0	49	0	49	49	36	89	0 0	89	0	89	0	89	0	89	0	89
Į			119	0	197	15	134	212	36	165	0	289	15	180	0	304	-2	178	0	302
H H	→ Through-Righ	t	110	0	107	10	101			100	0	200		100	0	001	_	.,,	0	002
SOUTHBOUND		Di-l-t	29	0	0	0	29	0	4	35	0	0	0	35	0	0	0	35	0	0
S		Right		0							0				0				0	
					:															
۵			65	1	65	0	65	65	5	75	1 0	75	0	75	1 0	75	0	75	1 0	75
EASTBOUND	→ Through		814	1	440	0	814	440	510	1391	1	868	0	1391	1	868	0	1391	1	868
8	_  Through-Righ	t		1							1				1				1	
AS.	Right Left-Through-	Diaht	65	0	65	0	65	65	274	344	0 0	344	0	344	0	344	0	344	0	344
ш	Left-Right	ixigiit		0							0				0				0	
															,					
9	✓ Left ✓ Left-Through		46	1 0	46	0	46	46	171	221	1 0	221	0	221	1 0	221	0	221	1 0	221
WESTBOUND	← Through		393	1	212	4	397	214	160	586	1	330	4	590	1	332	-1	589	1	331
TB(	Through-Righ	t		1	6.	_	•				1		_		1				1	
/ES	Right  Left-Through-	Right	31	0	31	0	31	31	39	73	0	73	0	73	0 0	73	0	73	0	73
>	Left-Right			0							0				0				0	
	CDITICAL	/OLUMES		th-South:	377		rth-South:	377			th-South:	858			th-South:	858			th-South:	858
	CRITICAL	VOLUMES	E	ast-West: SUM:	486 863	"	East-West: SUM:	486 863		E	ast-West: SUM:	1089 1947		E	ast-West: SUM:	1089 1947		E	ast-West: SUM:	1089 1947
	VOLUME/CAPACITY (V/	C) RATIO:		30	0.575		20	0.575				1.298				1.298				1.298
V/C	LESS ATSAC/ATCS ADJU	JSTMENT:			0.475			0.475				1.198				1.198				1.198
	LEVEL OF SERV	CE (LOS):			Α			Α				F				F				F
		EMARKS.																		

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT





I/S #:	North	n-South Street:	Santa F	e Avenue			Year	of Count:	2017	Amb	ient Grov	vth: (%):	1	Condu	cted by:	G <sup>-</sup>	ТС	Date:		12/9/2021	
16	Eas	st-West Street:	7th Stre	eet			Projec	tion Year:	2025		Pea	ak Hour:	PM	Revie	wed by:			Project:	40	01 S Hewi	itt
Орро	osed Ø'iı	No. of ng: N/S-1, E/W-2 or	Phases Both-3?	ND 2	65	4 0 0	MD	2 0	4 0	MD	2	0.0	4 0 0	4/5	2	0.0	4 0	N/D	2	0.5	4 0 0
Right	Turns: F	FREE-1, NRTOR-2 o	or OLA-3?	NB 3 EB 0	SB WB	0	NB EB	3 SE 0 W		NB EB	3 0	SB WB	0	NB EB	3 0	SB WB	0	NB EB	3 0	SB WB	0
	АТ	TSAC-1 or ATSAC+	ATCS-2?			2		<u> </u>	2				2				2				2
		Override (	Capacity			0			0				0				0				0
		MOVEMENT		EXIST	NG CONDI			NG PLUS P		Added	Total	ON W/O PR	Lane	Added	RE CONDIT	No. of		Added	Total	No. of	
		MOVEMENT		Volume	Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Volume	Volume	No. of Lanes	Volume	Volume	Total Volume	Lanes	Lane Volume	Volume	Volume	Lanes	Lane Volume
D	J.	Left		105	1	105	0	105	105	35	149	1	149	0	149	1	149	0	149	1	149
NORTHBOUND	1	Left-Through		331	0 1	331	0	331	331	107	465	0 1	465	0	465	0 1	465	0	465	0	465
BO	   	Through Through-Right		331	0	331	U	331	331	107	400	0	400	U	400	0	400	U	405	0	400
甘	<u>۲</u>	Right		162	1	0	0	162	0	16	191	1	0	0	191	1	0	0	191	1	0
Q	$\Leftrightarrow$	Left-Through-Ri	ight		0							0				0				0	
	<b>₩</b>	Left-Right			0							0				0				0	
	<u>,</u>	Left		58	0	58	0	58	58	29	92	0	92	0	92	0	92	0	92	0	92
SOUTHBOUND	↓ Left-Through ↓ Through ← Through-Right				0							0				0				0	
BO	→ Through-Right → Right			265	0 0	346	0	265	346	56	343	0 0	610	0	343	0	610	0	343	0	610
Ĕ	Right  Left-Through-Right			23	0	0	0	23	0	150	175	0	0	0	175	0	0	0	175	0	0
) OC	→ Right → Left-Through-Right → Left-Right				1				-			1				1				1	
0,	Left Left				0							0				0				0	
	J	Left		28	1	28	0	28	28	128	158	1	158	0	158	1	158	0	158	1	158
Ð					0					.20	.00	0	.00		.00	0	.00		.00	0	.00
9				692	1 1	436	0	692	436	609	1358	1	809	0	1358	1	809	0	1358	1	809
EASTBOUND	$\neg$	Right		180	0	180	0	180	180	64	259	0	259	0	259	0	259	0	259	0	259
EA8	<b>→</b>	Left-Through-Ri	ight	100	0	100		100	100	0.	200	0	200		200	0	200	Ĭ	200	0	200
	$\dashv$	Left-Right			0							0				0				0	
	<i>C</i>	Left		207	1	207	0	207	207	0	224	1	224	0	224	1	224	0	224	1	224
WESTBOUND	₹	Left-Through			0	20.		201			'	0				0		Ĭ		0	
l og	<u>₹</u>	Through		314	1	186	4	318	188	701	1041	1	571	4	1045	1	573	-1	1044	1	572
STE	1	Through-Right Right		57	0	57	0	57	57	38	100	0	100	0	100	0	100	0	100	0	100
VE	<b>→</b>	Left-Through-Ri	ight	0,	0	0,		0,	0,		100	0	100		100	0	100		100	0	100
	Left-Right				0	45.1			454			0	750			0	7-0			0	750
		CRITICAL VO	DLUMES		th-South: ast-West:	451 643		rth-South: East-West:	451 643			th-South: ast-West:	759 1033			th-South: ast-West:	759 1033			th-South: ast-West:	759 1033
					SUM:			SUM:	1094			SUM:	1792			SUM:	1792			SUM:	1792
	VOLUN	ME/CAPACITY (V/C)	RATIO:			0.796			0.796				1.303				1.303				1.303
V/C	LESS A	TSAC/ATCS ADJUS	TMENT:			0.696			0.696				1.203				1.203				1.203
		LEVEL OF SERVIC	E (LOS):			В			В				F				F				F
		BE	MARKS:								•				•	•			•		

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT





I/S #:	North-South Street:	Santa F	e Avenue			Year	of Count:	2017	Amb	ient Grov	vth: (%):	1	Condu	cted by:	G <sup>-</sup>	тс	Date:		12/9/2021	I
17	East-West Street:	8th Str	eet			Projec	tion Year:	2025		Pea	ak Hour:	PM	Revie	wed by:			Project:	40	01 S Hew	itt
' '	No osed Ø'ing: N/S-1, E/W-2 Turns: FREE-1, NRTOR-		NB 0	SB	2 0 0	NB	0 SE	2 0 3 0	NB	0	SB	2 0 0	NB	0	SB	2 0 0	NB	0	SB	2 0 0
Kigiit	-		EB 0	WB	0	EB	0 W		EB	0	WB	0	EB	0	WB	0	EB	0	WB	0
	ATSAC-1 or ATSA Overrio	de Capacity			2			2				2				2				2
			EXISTI	NG CONDI	TION	EXIST	ING PLUS P	ROJECT	FUTUR	E CONDITI	ON W/O PR	OJECT	FUTUR	RE CONDIT	ION W/ PR	OJECT	FUTURE	W/ PROJE	CT W/ MIT	IGATION
	MOVEMENT		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
Ω	Left		225	0	225	0	225	225	0	244	0	244	0	244	0	244	0	244	0	244
NORTHBOUND	← Left-Through ↑ Through  ↑ Through-Rig		491	1 0 1	500	0	491	500	146	678	1 0 1	688	0	678	1 0 1	688	0	678	1 0 1	688
Ӗ	Right		9	0	0	0	9	0	0	10	0	0	0	10	0	0	0	10	0	0
NO	← Left-Through  ← Left-Right	-Right		0 0							0 0				0 0				0 0	
₽	↓ Left ↓ Left-Through		9	0 1	9	0	9	9	0	10	0 1	10	0	10	0	10	0	10	0	10
SOUTHBOUND	→ Through → Through-Righ		524	0	361	0	524	361	109	676	0	461	0	676	0	461	0	676	0	461
=	ک Right		180	0	361	0	180	361	11	206	0	461	0	206	0	461	0	206	0	461
SOI	← Left-Through	-Right		0							0				0 0				0 0	
					i						0				U				U	
Ω	→ Left → Left-Through		56	0	56	0	56	56	11	72	0	72	0	72	0	72	0	72	0	72
EASTBOUND	→ Through		12	0	442	0	12	442	0	13	0	490	0	13	0	490	0	13	0	490
IB	→ Through-Rig	ht	374	0	0	0	374	0	0	405	0 0	0	0	405	0	0	0	405	0 0	0
EAS	Left-Through	-Right	3/4	1	U	U	3/4	U	0	405	1	U	U	405	1	U	"	405	1	U
	-			0							0				0				0	
۵	Left		9	0	9	0	9	9	0	10	0	10	0	10	0	10	0	10	0	10
S		l	3	0	26	0	3	26	0	3	0 0	28	0	3	0 0	28	0	3	0 0	28
BG	Through-Rig	ht		0	20		3	20		3	0	20		3	0	20		5	0	20
WESTBOUND	Right  Left-Through	-Right	14	0 1	0	0	14	0	0	15	0 1	0	0	15	0 1	0	0	15	0 1	0
>	↓ Left-Right			Ö							Ö				Ö				0	
	CRITICAL	VOLUMES		th-South: ast-West:	586 451		rth-South: ast-West:	586 451			th-South: ast-West:	705 500			th-South: ast-West:	705 500			th-South: ast-West:	705 500
				SUM:	1037		SUM:	1037			SUM:	1205			SUM:	1205			SUM:	1205
	VOLUME/CAPACITY (V	,			0.691			0.691				0.803				0.803				0.803
V/C	LESS ATSAC/ATCS ADJ				0.591			0.591				0.703				0.703				0.703
	LEVEL OF SER\	/ICE (LOS):			Α			Α				С				С				С

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT





I/S #:	North-	-South Street:	US 101	NB Off-Ran	np		Year	of Count:	2017	Amb	ient Grov	vth: (%):	1	Condu	cted by:	G	тс	Date:		12/9/2021	
18	Eas	st-West Street:	4th Stre	et			Projec	tion Year:	2025		Pe	ak Hour:	PM	Revie	wed by:			Project:	40	01 S Hewi	itt
		ng: N/S-1, E/W-2 or		NB 0	SB	2 0 0	NB	0 SE	2 0 3 0	NB	0	SB	2 0 0	NB	0	SB	2 0 0	NB	0	SB	2 0 0
Right		FREE-1, NRTOR-2 o		EB 0	WB	0	EB	0 W	B 0	EB	0	WB	0	EB	0	WB	0	EB	0	WB	0
	AT	SAC-1 or ATSAC+A Override C				2			2				2 0				2 0				2 0
				EXISTI	NG CONDI	TION	EXIST	ING PLUS P	ROJECT	FUTUR	E CONDITI	ON W/O PR	ROJECT	FUTUF	RE CONDIT	ION W/ PR	OJECT	FUTURE	W/ PROJE	CT W/ MIT	IGATION
		MOVEMENT		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
₽	J	Left		337	1	278	12	349	284	231	596	1	417	12	608	1	423	-2	606	1	422
NORTHBOUND	7	Left-Through Through		0	0 0 0	278	0	0	284	0	0	0 0 0	417	0	0	0 0 0	423	0	0	0 0 0	422
E		Through-Right Right		219	0	0	0	219	0	0	237	0	0	0	237	0	0	0	237	0	0
l g	<b>↔</b>	Left-Through-Ri	ght	2.0	1	ŭ			ŭ			1			20.	1	ŭ		20.	1	ŭ
	$\dot{\gamma}$	Left-Right			0							0				0				0	
		Left		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOUTHBOUND	Left-Through Through			U	0	U	U	U	U	U	U	0	U	U	U	0	U	U	U	0	U
l So	→ Through-Right			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
≝	←     Through-Right			0	0 0	0	0	0	0	0	0	0 0	0	0	0	0	0		0	0	0
5	با Right			0	0	Ü	U	0	Ü	Ü	Ü	0	Ü	0	U	0	0	0	0	0	U
Š	Leit-Right				0							0				0				0	
	Left Left			_					_				_		_				_		_
₽				0	0 0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0	0
EASTBOUND				1111	3	370	45	1156	385	259	1462	3	487	45	1507	3	502	-7	1500	3	500
I BC	→ Left-Through → Through → Through-Right				0							0				0				0	
AS.	7	Right Left-Through-Ri	aht	0	0 0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0	0
ш	≯	Left-Right	giit		0							0				0				0	
Ω	<b>₹</b>	Left Left-Through		0	0 0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0	0
WESTBOUND	←	Through		586	1	293	12	598	299	395	1030	1	515	12	1042	1	521	-2	1040	1	520
IBC	<b>₹</b>	Through-Right			1							1				1				1	
ES.	Right Left-Through-Right		aula 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
>	Left-Through-Right Left-Right				0 0							0				0				0	
	Y Y			Nor	th-South:	278	No	rth-South:	284		Nor	th-South:	417		Nor	th-South:	423		Nor	th-South:	422
		CRITICAL VO	DLUMES	Ea	ast-West:	370	E	ast-West:	385		E	ast-West:	515		E	ast-West:	521		E	st-West:	520
	VOLUM	ME/CAPACITY (V/C)	DATIO:		SUM:	648		SUM:	669			SUM:	932			SUM:	944			SUM:	942
V/C		TSAC/ATCS ADJUS				0.432			0.446				0.621				0.629				0.628
V/C		LEVEL OF SERVICE				0.332			0.346				0.521 A				0.529	1			0.528 A
<u> </u>			MARKS:			Α			A				А				Α				Α

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT





I/S #:	North-	-South Street:	Boyle S	Street			Year	of Count:	2017	Amb	ient Grov	vth: (%):	1	Condu	cted by:	G <sup>-</sup>	ТС	Date:		12/9/2021	
19	Eas	st-West Street:	4th Stre	eet			Projec	tion Year:	2025		Pea	ak Hour:	PM	Revie	wed by:			Project:	40	01 S Hewi	itt
		ng: N/S-1, E/W-2 or		NB 0	SB	3 0 0	NB	0 SI	3 0 3 0	NB	0	SB	3 0 0	NB	0	SB	3 0 0	NB	0	SB	3 0 0
Right		FREE-1, NRTOR-2 o		EB 0	WB	0	EB	0 W		EB	0	WB	0	EB	0	WB	0	EB	0	WB	0
	AT	FSAC-1 or ATSAC+. Override				2 0			2				2 0				2 0				2 0
				EXISTI	NG CONDI	TION	EXIST	ING PLUS P	ROJECT	FUTUR	E CONDITI	ON W/O PR	ROJECT	FUTUF	RE CONDIT	ION W/ PR	OJECT	FUTURE	W/ PROJE	CT W/ MIT	IGATION
		MOVEMENT		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
₽	, T	Left		123	1	123	0	123	123	0	133	1	133	0	133	1	133	0	133	1	133
NORTHBOUND	$\uparrow$	Left-Through Through		574	0 0 1	718	0	574	718	0	622	0 0 1	778	0	622	0 0 1	778	0	622	0	778
Ŧ		Through-Right Right		144	0	0	0	144	0	0	156	0	0	0	156	0	0	0	156	0	0
NON	<b>→</b>	Left-Through-Ri	ght		0							0				0				0	
	ı Y	Leit-Right		<u></u>	U							U				<u> </u>				U	
Ω	Left			96	1	96	0	96	96	0	104	1	104	0	104	1	104	0	104	1	104
N N	↓ Through  ✓ Through-Right			347	0 0	395	0	347	395	0	376	0	428	0	376	0	428	0	376	0	428
BC	→ Through-Right			347	1	393	U	347	393	U	3/6	1	420	0	3/6	1	420	U	3/6	1	420
SOUTHBOUND	Right Left-Through-Right			48	0	0	0	48	0	0	52	0	0	0	52	0	0	0	52	0	0
SO	Lent-Right				0 0							0				0 0				0	
	Left Left			l	U	:						U								U	
9	Left			0	0 0	0	6	6	0	0	0	0	0	6	6	0	0	-1	5	0	0
EASTBOUND				1160	2	425	39	1199	438	259	1515	2	547	39	1554	2	560	-6	1548	2	558
STE	¬,	Right		115	0	115	0	115	115	0	125	0	125	0	125	Ó	125	0	125	0	125
EA	7	Left-Through-Ri	ght		0							0				0				0	
		Left-Right			0							0				0				0	
9	<b>₹</b>	Left Left-Through		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WESTBOUND	<b>₹</b>	Through Through-Right		626	1	392	12	638	398	395	1073	1	622	12	1085	1	628	-2	1083	1	627
ST	<b>₩</b>	Right		158	0	158	0	158	158	0	171	0	171	0	171	0	171	0	171	0	171
WE	\ \frac{\frac{1}{2}}{2}	Left-Through-Ri Left-Right	ght		0 0							0				0 0				0	
	CRITICAL VOLUMES  VOLUME/CAPACITY (V/C) RATIO:				th-South: ast-West: SUM:	814 425 1239		rth-South: East-West: SUM:	814 438 1252			th-South: ast-West: SUM:	882 622 1504			th-South: ast-West: SUM:	882 628 1510			th-South: ast-West: SUM:	882 627 1509
	VOLUM	ME/CAPACITY (V/C	RATIO:			0.869			0.879				1.055				1.060	1			1.059
V/C		TSAC/ATCS ADJUS				0.769			0.779				0.955				0.960				0.959
		LEVEL OF SERVIC	E (LOS):			С			С				E				E				E
		DE	MARKS:																		

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT





I/S #:	North	n-South Street:	Boyle S	treet			Year	of Count:	2017	Amb	ient Grov	vth: (%):	1	Condu	cted by:	G <sup>.</sup>	тс	Date:		12/9/2021	
20	Eas	st-West Street:	Whittier	Boulevard			Projec	tion Year:	2025		Pea	ak Hour:	PM	Revie	wed by:			Project:	40	01 S Hew	itt
Орро	osed Ø'iı	No. of ng: N/S-1, E/W-2 or	Phases Both-3?	NB 0	SB	3 0 0	NB	0 SE	3 0 3 0	NB	0	SB	3 0 0	NB	0	SB	3 0 0	NB	0	SB	3 0 0
Right	Turns: F	FREE-1, NRTOR-2 o	r OLA-3?	NB 0 EB 0	3В WВ	0	NB EB	0 SE		NВ ЕВ	0	3В WВ	0	NВ ЕВ	0	3В WВ	0	EB	0	3В WВ	0
	ΑT	TSAC-1 or ATSAC+A	ATCS-2?			2		-	2				2				2				2
		Override (	Capacity			0			0				0				0				0
		MOVEMENT		EXIST	NG CONDI	Lane		NG PLUS P		Added	Total	ON W/O PR	Lane	Added	RE CONDIT	No. of	Lane	Added	Total	No. of	Lane
		MOVEMENT		Volume	Lanes	Volume	Project Traffic	Total Volume	Lane Volume	Volume	Volume	Lanes	Volume	Volume	Volume	Lanes	Volume	Volume	Volume	Lanes	Volume
۵	j	Left		173	1	173	0	173	173	0	187	1	187	0	187	1	187	0	187	1	187
5	Ą	Left-Through		007	0 1	550	0	007	550	0	971	0 1	500	0	074	0 1	500		074	0	500
<u>8</u>		Through Through-Right		897	1	553	U	897	553	U	9/1	1	599	U	971	1	599	0	971	1	599
NORTHBOUND		Right		209	0	209	0	209	209	0	226	0	226	0	226	0	226	0	226	0	226
N N	4	Left-Through-Ri	ght		0							0				0				0	
	$\sim$	Left-Right			0							0				0				0	
	<u>,</u>	Left		126	1	126	0	126	126	0	136	1	136	0	136	1	136	0	136	1	136
SOUTHBOUND	Left-Through Through Through-Right				0					_		0				0				0	
30	→ Through-Right			385	1	212	0	385	212	0	417	1	230	0	417	1	230	0	417	1	230
	Right Left-Through-Right			39	0	39	0	39	39	0	42	0	42	0	42	0	42	0	42	0	42
0	→ Right → Left-Through-Right → Left-Right			33	0	55		33	33	U	72	0	72		72	0	72		72	0	72
S					0							0				0				0	
1		Left		197	1	197	0	197	197	0	213	1	213	0	213	1	213	0	213	1	213
₽	Left-Through			197	Ó	191	U	197	191	U	213	Ó	213	U	213	Ó	213		213	0	213
l io				618	1	363	15	633	370	34	703	1	410	15	718	1	417	-2	716	1	416
EASTBOUND	7	Through-Right		407	1 0	407		407	407	0	440	1 0	440		440	1 0	440		440	1 0	440
.AS	1	Right Left-Through-Ri	aht	107	0	107	0	107	107	0	116	0	116	0	116	0	116	0	116	0	116
ш	⊰	Left-Right			0							0				0				0	
	,	1 -64																			6-
ş	<i>₹</i>	Left Left-Through		62	1 0	62	0	62	62	0	67	1 0	67	0	67	1 0	67	0	67	1 0	67
WESTBOUND	←	Through		381	1	272	4	385	274	89	502	1	339	4	506	1	341	-1	505	1	340
l Æ	4	Through-Right			1							1				1				1	
ES.	Right  Left-Through-Right		aht	162	0 0	162	0	162	162	0	175	0	175	0	175	0 0	175	0	175	0	175
>	Left-Right  Left-Right				0							0				0				0	
					th-South:	679		rth-South:	679			th-South:	735			th-South:	735			th-South:	735
		CRITICAL VO	DLUMES	Ea	ast-West:	469	E	East-West:	471 1150		E	ast-West:	552		Ea	ast-West:	554 1289		Ea	ast-West: SUM:	553
	VOLUM	ME/CAPACITY (V/C)	RATIO:		SUM:			SUM:	0.807			SUM:	1287			SUM:				SUIVI:	1288
V/C		TSAC/ATCS ADJUS				0.806 <b>0.706</b>			0.807 <b>0.707</b>				0.903 <b>0.803</b>				0.905 <b>0.805</b>				0.904 <b>0.804</b>
<b>V</b> /C		LEVEL OF SERVICE				0.706 C			0.707 C				0.803 D				0.805 D				0.804 D
<u> </u>			MAPKS:			U			U				ע				ע				ע

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT





I/S #:	North	-South Street:	I-5 Nort	hbound Ra	mps		Year	of Count:	2017	Amb	ient Grov	vth: (%):	1	Condu	cted by:	G <sup>-</sup>	тс	Date:		12/9/2021	
21	Eas	st-West Street:	4th Stre	et			Projec	tion Year:	2025		Pea	ak Hour:	PM	Revie	wed by:			Project:	40	01 S Hewi	itt
Орро	osed Ø'iı	No. of ng: N/S-1, E/W-2 or	Phases Both-3?			3 0			3			1	3 0				3 0	-			3 0
Right	Turns: F	FREE-1, NRTOR-2 o	r OLA-3?	NB 0 EB 0	SB WB	0	NB EB	0 SE 0 W		NB EB	0	SB WB	0	NB EB	0 0	SB WB	0	NB EB	0 0	SB WB	0
	AT	SAC-1 or ATSAC+	ATCS-2?	EB 0	WD	2	ED	U VV	2	ED	U	VV D	2	ED	U	WD	2	ED	U	WD	2
		Override (	Capacity			0			0				0				0				0
				EXISTI	NG CONDI	TION	EXIST	ING PLUS P	ROJECT	FUTUR	E CONDITI	ON W/O PR	ROJECT	FUTUE	RE CONDIT	ION W/ PR	OJECT	FUTURE	W/ PROJE	CT W/ MIT	IGATION
		MOVEMENT		Volume	No. of Lanes	Lane Volume	Project Traffic	Total Volume	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
	7	Left		43	1	43	0	43	43	27	74	1	74	0	74	1	74	0	74	1	74
NORTHBOUND	$\prec \uparrow$	Left-Through			0							0				0				0	
301	1	Through		49	0	138	0	49	138	0	53	0	149	0	53	0	149	0	53	0	149
l ≝ l	l f	Through-Right Right		89	1 0	0	0	89	0	0	96	1 0	0	0	96	1 0	0	0	96	1 0	0
OR.	<b>↔</b>	Left-Through-Ri	aht	09	0	U	U	09	U	U	90	0	U	U	90	0	U	0	90	0	U
Z	$\checkmark$	Left-Right	<b>3</b>		0							0				0				0	
₽	) L	Left Left-Through		0	0	0	0	0	0	0	0	0 0	0	0	0	0	0	0	0	0 0	0
SOUTHBOUND	→ Through → Through-Right			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ř	→ Through-Right				0	_		-	-		-	0				0				0	
5				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SO	∠ Left-Right				0 0							0				0 0				0	
	Left					1															
0				714	1	714	24	738	738	172	945	1	945	24	969	1	969	-4	965	1	965
N N				1052	0 2	526	15	1067	534	65	1204	0 2	602	15	1219	0 2	610	-2	1217	0 2	609
BO	→ Left-Through → Through → Through-Right			1032	0	520	15	1007	554	03	1204	0	002	15	1219	0	610	-2	1217	0	009
EASTBOUND	7	Right		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ę	<b>→</b>	Left-Through-Ri	ght		0							0				0				0 0	
	I ¬¬	Left-Right			U	i						U				U				U	
	<i>C</i>	Left		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WESTBOUND	<i>₹</i>	Left-Through			0							0				0		l .		0	
) M	<u></u>	Through Through-Right		449	1 1	369	4	453	371	74	560	1	436	4	564	1	438	-1	563	1	438
STI	Č.	Right		288	Ö	288	0	288	288	0	312	0	312	0	312	Ö	312	0	312	0	312
WE	<del>\</del>	Left-Through-Ri	ght		0							0				0				0	
	<i></i>	Left-Right		Al	0 th-South:	138	A/-	rth-South:	138		Ale	0 th-South:	149		Ale:	0 th-South:	149		Ale:-	0 th-South:	149
		CRITICAL VO	DLUMES		tn-Soutn: ast-West:	1083		rtn-Soutn: East-West:	1109			tn-Soutn: ast-West:	1381			tn-Soutn: ast-West:	149			n-South: ast-West:	149
					SUM:	1221		SUM:	1247			SUM:	1530			SUM:	1556			SUM:	1552
	VOLUM	ME/CAPACITY (V/C)	RATIO:			0.857			0.875				1.074				1.092				1.089
V/C	LESS A	TSAC/ATCS ADJUS	TMENT:			0.757			0.775				0.974				0.992				0.989
		LEVEL OF SERVIC	E (LOS):			С			С				E				E				E
	·	DE	NARKS:					·						·-				·-			

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT

Change in v/c due to project: 0.018  $\Delta v/c$  after mitigation: 0.015 Significant impacted? YES





I/S #:	Nort	h-South Street:	Soto St	reet			Year	of Count:	2017	Amb	ient Grov	vth: (%):	1	Condu	cted by:	G	тс	Date:		12/9/2021	
22	Ea	ast-West Street:	4th Stre	eet				tion Year:	2025		Pea	ak Hour:	PM		wed by:			Project:		01 S Hew	
			f Phases			3			3				3				3	-			3
Oppo	osed Ø'	'ing: N/S-1, E/W-2 or	Both-3?			2			2				2				2				2
Right	Turns:	FREE-1, NRTOR-2	or OLA-3?	NB 0 EB 0	SB WB	0	NB EB	0 SI	B 0	NB EB	0	SB WB	0	NB EB	0	SB WB	0	NB EB	0	SB WB	0
	Α	ATSAC-1 or ATSAC+	ATCS-2?	LB 0	WD	2		U VV	2		U	VV D	2	LD	U	WD	2	LD	U	VV D	2
		Override				0			0				0				0				0
				EXISTI	NG CONDI	TION	EXIST	ING PLUS P	ROJECT	FUTUR	E CONDITI	ON W/O PR	OJECT	FUTUF	RE CONDIT	ION W/ PR	OJECT	FUTURE	W/ PROJE	CT W/ MIT	IGATION
		MOVEMENT			No. of	Lane	Project	Total	Lane	Added	Total	No. of	Lane	Added	Total	No. of	Lane	Added	Total	No. of	Lane
	4			Volume	Lanes	Volume	Traffic	Volume	Volume	Volume	Volume	Lanes	Volume	Volume	Volume	Lanes	Volume	Volume	Volume	Lanes	Volume
9	.↑ ```	Left		192	1	192	0	192	192	0	208	1	208	0	208	1	208	0	208	1	208
NORTHBOUND	7	Left-Through Through		749	0 2	375	0	749	375	0	811	0 2	406	0	811	0 2	406	0	811	0 2	406
BC	   ↑.	Through-Right		743	0	3/3	· ·	743	3/3		011	0	400	U	011	0	400	U	011	0	400
I È I	<u>م</u>	Right		121	1	57	0	121	57	0	131	1	62	0	131	1	62	0	131	1	62
ğ	<b>↔</b>	Left-Through-R	ight		0							0				0				0	
	$\dot{\gamma}$	Left-Right			0							0				0				0	
		1 -44		105	1	405	0	405	405		405	4	405		405	1	405	0	405	1	405
9	1	Left Left-Through		125	1 0	125	0	125	125	0	135	1 0	135	0	135	0	135	0	135	0	135
l lo	↓ Through			560	2	280	0	560	280	0	606	2	303	0	606	2	303	0	606	2	303
Ě	→ Through-Right → Right				0							0				0				0	
SOUTHBOUND	Right Left-Through-Right			70	1	20	0	70	20	0	76	1	22	0	76	1	22	0	76	1	22
SO	→ Left-Right				0							0				0				0 0	
	<i>~</i> √ <i>,</i>	Len-Right		<u>I</u>	0	i						U				<u> </u>				<u> </u>	
	ر	Left		100	1	100	0	100	100	0	108	1	108	0	108	1	108	0	108	1	108
	→ Left-Through → Through				0							0				0				0	
EASTBOUND	→ Through  → Through-Right			936	1	522	15	951	530	7	1021	1	569	15	1036	1	577	-2	1034	1	576
E I		Right		108	0	108	0	108	108	0	117	0	117	0	117	0	117	0	117	0	117
I AS	7	Left-Through-R	ight	100	0	100	· ·	100	100		117	0		U	117	0	117	U	117	0	117
	$\dashv$	Left-Right			0							0				0				0	
		1 -64		1 400	4	100		400	400		400	4	400		400	4	400		400	4	400
₽	<i>₹</i>	Left Left-Through		128	1 0	128	0	128	128	0	139	1 0	139	0	139	1 0	139	0	139	1 0	139
WESTBOUND	←	Through		483	1	278	4	487	280	33	556	1	318	4	560	1	320	-1	559	1	319
BC	4	Through-Right			1	_, •						1			- 30	1			- 30	1	
ESI	4	Right		73	0	73	0	73	73	0	79	0	79	0	79	0	79	0	79	0	79
₹	Left-Through-Right Left-Right				0							0				0				0	
		Len-Rigin		Non	th-South:	500	No	rth-South:	500		Non	th-South:	541		Non	th-South:	541		Non	th-South:	541
		CRITICAL V	OLUMES	_	ast-West:	800		East-West:	810			ast-West:	887			ast-West:				ast-West:	895
					SUM:	1300		SUM:	1310			SUM:	1428			SUM:	1438			SUM:	1436
	VOLU	JME/CAPACITY (V/C	) RATIO:	Ì		0.912			0.919				1.002				1.009				1.008
V/C	LESS A	ATSAC/ATCS ADJUS	STMENT:	Ì		0.812			0.819				0.902				0.909				0.908
		LEVEL OF SERVIC	E (LOS):			D			D				E				E				E
<u> </u>		RF	MARKS:	-			•											•			

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT

Change in v/c due to project: 0.007  $\Delta v/c$  after mitigation: 0.006 Significant impacted? Fully mitigated?





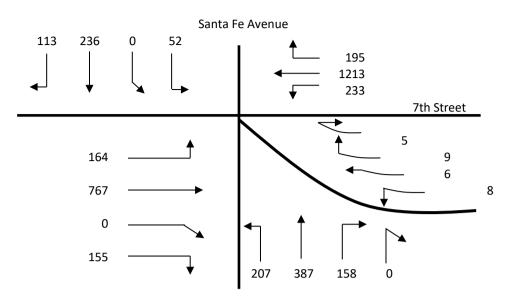
I/S #:	No	orth-S	South Street:	I-5 Sout	hbound Ra	mps		Year	of Count:	2017	Amb	ient Grov	vth: (%):	1	Condu	cted by:	G	тс	Date:		12/9/2021	
23	_ I	East-	-West Street:	4th Stre	eet			Projec	tion Year:	2025		Pe	ak Hour:	PM		wed by:			Project:	4	01 S Hew	itt
Орро	osed	Ø'ing	No. of g: N/S-1, E/W-2 or	f Phases Both-3?			0			0				3 0				3	-			3
Right	Turn	s: FR	REE-1, NRTOR-2 o	or OLA-3?	NB 0 EB 0	SB WB	0	NB EB		B 0 'B 0	NB EB	0	SB WB	0	NB EB	0 0	SB WB	0	NB EB	0	SB WB	0
		ATS	AC-1 or ATSAC+	ATCS-2?	EB U	WD	0	ED	O VV	0	ED	U	WD	2	ED	U	WD	2	ED	U	VV D	2
			Override	Capacity			0			0				0				0				0
					EXISTI	NG CONDI	TION		ING PLUS P	ROJECT			ON W/O PF	ROJECT		RE CONDIT		OJECT		W/ PROJE		IGATION
		N	MOVEMENT			No. of Lanes	Lane Volume	Project Traffic	Total	Lane	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume	Added Volume	Total Volume	No. of Lanes	Lane Volume
	5		Left		Volume	0	Outile	0	Volume 0	Volume 0	O	O	O	Volume	O	O	0	Volume 0	O	0	0	0
9	-		Left-Through		U	0	Ů	0	U	U	0	U	0	U	U	U	0	Ū	U	U	0	U
NORTHBOUND	I †		Through		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
뿌	Ì	<b>→</b>	Through-Right			0							0				0				0	
l K	, ,	<i>→</i>	Right	: aula 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ž	<b>↑</b>		Left-Through-Ri Left-Right	ignt		0							0				0				0	
	. '		Lon High				•							•								
Ω	ĺ	<b>→</b>	Left		137	0	0	0	137	0	0	148	1	148	0	148	1	148	0	148	1	148
5	ĺ	<b>→</b>	Left-Through Through		2	0	0	0	2	0	0	2	0	287	0	2	0	295	0	2	0	294
<u>B</u>	Through-Right				2	0	U	U	2	U	U	2	1	281	U	2	1	295	U	2	1	294
SOUTHBOUND					150	0	0	8	158	0	123	285	0	0	8	293	0	0	-1	292	0	0
301	Left-Through-Right  Left-Right			ight		0							0				0				0	
•	Left-Right					0							0				0				0	
_					0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N S						0							0				0				0	
) S	→ Through  → Through-Right				1563	0	0	39	1602	0	107	1800	2	900	39	1839	2	920	-6	1833	2	917
EASTBOUND	, ,	¥ Y	Right		80	0	0	0	80	0	19	106	1	106	0	106	1	106	0	106	1	106
EĂ	3	<del>}</del>	Left-Through-Ri	ight		0		_					0				0				0	
	⊰		Left-Right			0							0				0				0	
	ſ		Left		95	0	0	0	95	0	3	106	. 1	106	0	106	1	106	0	106	1	106
9	7		Left-Through		30	0	ŭ		55			.50	0	.50		.50	0	.00		. 50	0	.50
WESTBOUND	<b>→</b>	_	Through		756	0	0	4	760	0	62	881	2	441	4	885	2	443	-1	884	2	442
E STB	2	_	Through-Right Right		0	0 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VE\$	\$	_	Left-Through-Ri	ight	U	0	U		U	U	0	U	0	U		U	0	U	· ·	U	0	U
>	Left-Right			-		0							0				0				0	
			CRITICAL V	OLUMES		th-South:	0		rth-South:	0			th-South:	287	1		th-South:	295 1026			th-South:	294
			CITICAL V	CLUMES	E	ast-West: SUM:	0	'	East-West: SUM:	0		E	ast-West: SUM:	1006 1293	1	E	ast-West: SUM:			E	ast-West: SUM:	1023 1317
	VOI	LUME	E/CAPACITY (V/C)	) RATIO:		30	0.000		50.77.	0.000			30	0.907			JO.11.	0.927			30	0.924
V/C	//C LESS ATSAC/ATCS ADJUSTMENT						0.000			0.000				0.807	1			0.827				0.824
	LEVEL OF SERVICE (LOS)						Α			Α				D				D				D
<u> </u>				MARKS:																		

REMARKS:

Version: 1i Beta; 8/4/2011

#### PROJECT IMPACT

### Intersection 16 - Santa Fe Avenue & 7th Street Future without Project Conditions (Year 2025) - AM Peak Hour



1) Critical volume calculation for eastbound/westbound traffic on 7th Street

Eastbound Left: 164

<u>and</u>

Westbound Throughs + Right:

<u>or</u>

Westbound Left: 23

<u>and</u>

<u>or</u>

Eastbound Throughs + Right to 7th Street and Frontage Road:

Critical Volume #1 (CV1): 868

2) Critical volume calculation for northeastbound traffic on Frontage Road

Northeastbound Lefts + Throughs + Rights + Sharp Right:

Critical Volume #2 (CV2): 28

3) Critical volume calculation for northbound/southbound traffic on Santa Fe Avenue

Southbound Left to 7th Street and Frontage Road:

$$52 + 0 = 52$$
 and

Northbound Through: 387 or

Northbound Right to 7th Street and Frontage Road:

Northbound Left: 207 and

Southbound Left + Left to Frontage Road + Through + Right:

233

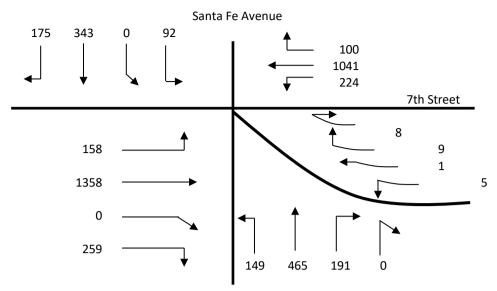
Critical Volume #3 (CV3): 608

0

ATSAC/ATCS Credit: 0.10

Final intersection V/C: 0.994 Intersection LOS: E

#### Intersection 16 - Santa Fe Avenue & 7th Street Future without Project Conditions (Year 2025) - PM Peak Hour





Eastbound Left:

<u>and</u>

Westbound Throughs + Right:

<u>or</u>

Westbound Left:

<u>and</u>

<u>or</u>

Eastbound Throughs + Right to 7th Street and Frontage Road:

Critical Volume #1 (CV1): 1,033

2) Critical volume calculation for northeastbound traffic on Frontage Road

Northeastbound Lefts + Throughs + Rights + Sharp Right:

Critical Volume #2 (CV2): 23

Critical volume calculation for northbound/southbound traffic on Santa Fe Avenue 3)

Southbound Left to 7th Street and Frontage Road:

$$92 + 0 = 92$$
 and

Northbound Through: 465

Northbound Right to 7th Street and Frontage Road: 0 224

Northbound Left: 149 <u>and</u>

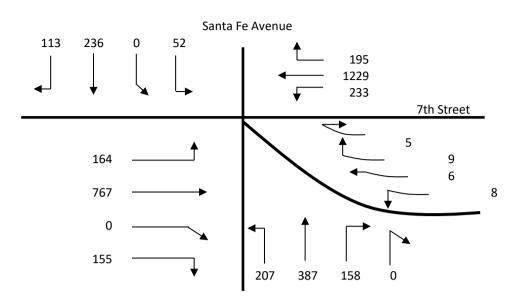
Southbound Left + Left to Frontage Road + Through + Right:

Critical Volume #3 (CV3): **759** 

ATSAC/ATCS Credit: 0.10

Final intersection V/C: 1.220 Intersection LOS:

### Intersection 16 - Santa Fe Avenue & 7th Street Future with Project Conditions (Year 2025) - AM Peak Hour



1) Critical volume calculation for eastbound/westbound traffic on 7th Street

Eastbound Left: 164 and

Westbound Throughs + Right:

$$\frac{1229}{2} + \frac{195}{2} = \frac{1424}{2} = 712$$
 or

Westbound Left: 233 and

Eastbound Throughs + Right to 7th Street and Frontage Road:

$$\frac{767}{2} + \frac{0}{2} + \frac{155}{2} = \frac{922}{2} = 461$$

Critical Volume #1 (CV1): 876

2) Critical volume calculation for northeastbound traffic on Frontage Road

Northeastbound Lefts + Throughs + Rights + Sharp Right:

Critical Volume #2 (CV2): 28

3) Critical volume calculation for northbound/southbound traffic on Santa Fe Avenue

Southbound Left to 7th Street and Frontage Road:

$$52 + 0 = 52$$
 and

Northbound Through: 387 or

Northbound Right to 7th Street and Frontage Road:

158 + 0 - 233 = -75 <u>or</u>

Northbound Left: 207 and

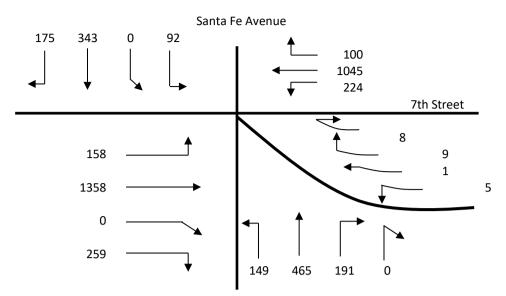
Southbound Left + Left to Frontage Road + Through + Right:

Critical Volume #3 (CV3): 608

ATSAC/ATCS Credit: 0.10

Final intersection V/C: 1.000 Intersection LOS:

### Intersection 16 - Santa Fe Avenue & 7th Street Future with Project Conditions (Year 2025) - PM Peak Hour



1) Critical volume calculation for eastbound/westbound traffic on 7th Street

Eastbound Left: 158

<u>and</u>

Westbound Throughs + Right:

<u>or</u>

Westbound Left: 22

224

<u>and</u>

<u>or</u>

Eastbound Throughs + Right to 7th Street and Frontage Road:

Critical Volume #1 (CV1): 1,033

2) Critical volume calculation for northeastbound traffic on Frontage Road

Northeastbound Lefts + Throughs + Rights + Sharp Right:

Critical Volume #2 (CV2): 23

3) Critical volume calculation for northbound/southbound traffic on Santa Fe Avenue

Southbound Left to 7th Street and Frontage Road:

$$92 + 0 = 92$$
 and

Northbound Through: 465 *or* 

Northbound Right to 7th Street and Frontage Road:

191 + 0 - 224 = -33

Northbound Left: 149 and

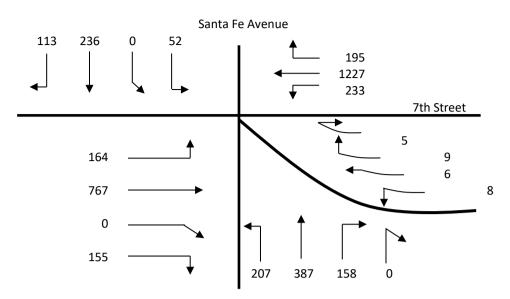
Southbound Left + Left to Frontage Road + Through + Right:

Critical Volume #3 (CV3): **759** 

ATSAC/ATCS Credit: 0.10

Final intersection V/C: 1.220 Intersection LOS:

### Intersection 16 - Santa Fe Avenue & 7th Street Future with Project with Mitigation Conditions (Year 2025) - AM Peak Hour



1) Critical volume calculation for eastbound/westbound traffic on 7th Street

Eastbound Left: 164

<u>and</u>

Westbound Throughs + Right:

<u>or</u>

Westbound Left: 23

<u>and</u>

Eastbound Throughs + Right to 7th Street and Frontage Road:

Critical Volume #1 (CV1): 875

2) Critical volume calculation for northeastbound traffic on Frontage Road

Northeastbound Lefts + Throughs + Rights + Sharp Right:

Critical Volume #2 (CV2): 28

3) Critical volume calculation for northbound/southbound traffic on Santa Fe Avenue

Southbound Left to 7th Street and Frontage Road:

$$52 + 0 = 52$$
 and

Northbound Through: 387 *or* 

Northbound Right to 7th Street and Frontage Road:

158 + 0 - 233 = -75 <u>or</u>

Northbound Left: 207 and

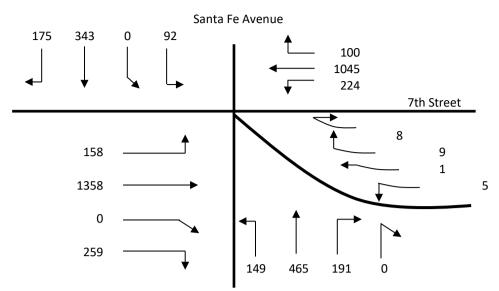
Southbound Left + Left to Frontage Road + Through + Right:

Critical Volume #3 (CV3): 608

ATSAC/ATCS Credit: 0.10

Final intersection V/C: 0.999 Intersection LOS: E

#### Intersection 16 - Santa Fe Avenue & 7th Street Future with Project with Mitigation Conditions (Year 2025) - PM Peak Hour



1) Critical volume calculation for eastbound/westbound traffic on 7th Street

Eastbound Left:

<u>and</u>

Westbound Throughs + Right:

<u>or</u>

Westbound Left:

<u>and</u>

<u>or</u>

Eastbound Throughs + Right to 7th Street and Frontage Road:

Critical Volume #1 (CV1): 1,033

2) Critical volume calculation for northeastbound traffic on Frontage Road

Northeastbound Lefts + Throughs + Rights + Sharp Right:

Critical Volume #2 (CV2): 23

Critical volume calculation for northbound/southbound traffic on Santa Fe Avenue 3)

Southbound Left to 7th Street and Frontage Road:

$$92 + 0 = 92$$
 and

Northbound Through: 465

Northbound Right to 7th Street and Frontage Road: 0 224 191

Northbound Left: 149 <u>and</u>

Southbound Left + Left to Frontage Road + Through + Right:

23

Critical Volume #3 (CV3): **759** 

759

1815

1033

1375

ATSAC/ATCS Credit: 0.10

Critical Volume:

Final intersection V/C: 1.220 **Intersection LOS:**