To:

CITY OF LOS ANGELES

INTER-DEPARTMENTAL CORRESPONDENCE

676 Mateo Street DOT Case No. CEN 19-48932

Date: October 19, 2020

Milena Zasadzien, Senior City Planner Department of City Planning

From: Wes Pringle, Transportation Engineer Department of Transportation

Subject: TRANSPORTATION IMPACT ANALYSIS FOR THE PROPOSED MIXED-USE PROJECT LOCATED AT 676 MATEO STREET (CPC-2017-432-CPU/ENV-2017-433-EIR/CPC-2018-6005-CA/ENV-2019-4121-ND)

The Department of Transportation has reviewed the transportation analysis prepared by Linscott, Law & Greenspan, Engineers, for the proposed mixed-use project located at 676 Mateo Street. In compliance with Senate Bill 743 and the California Environmental Quality Act (CEQA), a vehicle miles traveled (VMT) analysis is required to identify the project's ability to promote the reduction of green-house gas emissions, access to diverse land-uses, and the development of multi-modal networks. The significance of a project's impact in this regard is measured against the VMT thresholds established in DOT's Transportation Assessment Guidelines (TAG), as described below.

DISCUSSION AND FINDINGS

A. Project Description

The project proposes the development of a mixed-use project that includes 185 live-work apartment units, 3,900 square feet of associated live-work office space within 26 live-work apartment units, 15,005 square feet of restaurant floor area, and 8,375 square feet of retail floor area. Currently, the project site is occupied by a single-story light industrial building with an approximate floor area of 26,740 square feet. The applicant also proposes an optional project description that includes 159 units, 3,600 square feet of associated live-work office space within 24 live-work apartment units, 22,493 square feet of general office space, 15,005 square feet of restaurant floor area, and 8,375 square feet of retail floor area. The table below shows a breakdown of the proposed project and the additional office option:

Proposed Project and Additional Office Option Comparison				
Land Use	Proposed Project	Additional Office Option		
Live-Work Apartments	185 units	159 units		
Office Space (within live-	3,900 sf (within 26 live-work	3,600 sf (within 24 live-work		
work units)	units)	units)		
General Office		22,493 sf		
Restaurant	15,005 sf	15,005 sf		
Retail	8,375 sf	8,375 sf		
Total	185 live-work units 27,820 sf, commercial space	159 live-work units 49,473 sf, commercial space		

Vehicular access to the project site will be provided via one driveway, full vehicular access, located along Imperial Street which is on the northeast portion of the project site, and will provide access to the subterranean parking levels of the on-site parking garage as illustrated in **Attachment A**. The project is planned to be completed by the year 2023.

B. <u>CEQA Screening Threshold</u>

Prior to accounting for trip reductions resulting from the application of Transportation Demand Management (TDM) Strategies, a trip generation analysis was conducted to determine if the project would exceed the net 250 daily vehicle trips screening threshold. Using the City of Los Angeles VMT Calculator Version 1.3 tool, which draws upon trip rate estimates published in the Institute of Transportation Engineers' (ITE's) Trip Generation, 9th Edition manual as well as applying trip generation adjustments when applicable, based on sociodemographic data and the built environment factors of the project's surroundings, it was determined that the project <u>does</u> exceed the net 250 daily vehicle trips threshold.

Additionally, the analysis included further discussion of the transportation impact thresholds:

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

The assessment determined that the project would <u>not</u> have a significant transportation impact under Thresholds T-1 and T-3. A project's impacts per Threshold T-2.1 is determined by using the VMT calculator and is discussed further below. A copy of the VMT Calculator summary report is provided as **Attachment B and Attachment C** to this report.

C. <u>Transportation Impacts</u>

On July 30, 2019, pursuant to Senate Bill (SB) 743 and the recent changes to Section 15064.3 of the State's California Environmental Quality Act (CEQA) Guidelines, the City of Los Angeles adopted vehicle miles traveled (VMT) as a criteria in determining transportation impacts under CEQA. The new DOT Transportation Assessment Guidelines (TAG) provide instructions on preparing transportation assessments for land use proposals and defines the significant impact thresholds.

The DOT VMT Calculator tool measures project impact in terms of Household VMT per Capita, and Work VMT per Employee. DOT identified distinct thresholds for significant VMT impacts for each of the seven Area Planning Commission (APC) areas in the City. For the Central APC area, in which the project is located, the following thresholds have been established:

- Household VMT per Capita: 6.0
- Work VMT per Employee: 7.6

As cited in the VMT Analysis report, prepared by Linscott, Law & Greenspan, Engineers, the proposed project is projected to have a Household VMT per capita of 5.0 and Work VMT per

employee of 7.4. The results reflect TDM measures included in the project as project design features. Therefore, it is concluded that implementation of the Project would not result in a significant impact of either Household VMT or Work VMT. A copy of the VMT Calculator summary report is provided as **Attachment B** to this report.

It should be noted that Linscott, Law & Greenspan, Engineers included VMT calculations for the Additional Office Option which was project to have a Household VMT per capita of 5.0 and Work VMT per employee of 7.6. Therefore, it is concluded that implementation of the Project would not result in a significant impact of either Household VMT or Work VMT. A copy of the VMT Calculator summary report is provided as **Attachment C** to this report.

D. Access and Circulation

During the preparation of the new CEQA guidelines, the State's Office of Planning and Research stressed that lead agencies can continue to apply traditional operational analysis requirements to inform land use decisions provided that such analyses were outside of the CEQA process. The authority for requiring non-CEQA transportation analysis and requiring improvements to address potential circulation deficiencies, lies in the City of Los Angeles' Site Plan Review authority as established in Section 16.05 of the Los Angeles Municipal Code (LAMC), Section 16.05. Therefore, DOT continues to require and review a project's site access, circulation, and operational plan to determine if any safety and access enhancements, transit amenities, intersection improvements, traffic signal upgrades, neighborhood traffic calming, or other improvements are needed. In accordance with this authority, the project has completed a circulation analysis using a "level of service" screening methodology that indicates that the trips generated by the proposed development will likely result in adverse circulation conditions at one location. DOT has reviewed this analysis and determined that it adequately discloses operational concerns. A copy of the circulation analysis table that summarizes these potential deficiencies is provided as **Attachment C** to this report.

PROJECT REQUIREMENTS

A. CEQA-Related Mitigation

LADOT recommends that the applicant be required to implement the following transportation demand management (TDM) mitigation measures as project design features:

1. <u>Reduce Parking Supply</u>

This strategy changes the on-site parking supply to provide less than the amount of vehicle parking required by direct application of the Los Angeles Municipal Code (LAMC) without consideration of parking reduction mechanisms permitted in the code.

 Include Bike Parking per Los Angeles Municipal Code This strategy involves implementation of short and long-term bicycle parking to support safe and comfortable bicycle travel by providing parking facilities at destinations.

B. <u>Corrective Measures (Non-CEQA Analysis)</u>

As required per the adopted Transportation Assessment Guidelines and pursuant to the City's Site Plan Review authority (L.A.M.C. 16.05 and various relevant code sections), the analysis

included a review of current deficiencies and potential future deficiencies that may result from the project. To address these deficiencies, the applicant should be required to implement the following corrective conditions:

1. Installation of Traffic Signal

As required by the TAG and pursuant to the City's Site Plan Review authority, the analysis included a review of current deficiencies and potential future deficiencies that may result from the project. As a result of cumulative development within the Project area, and based on peak hour traffic volume forecasts provided in the transportation study and standard warrants used by DOT, a traffic signal will be warranted at the intersection of Imperial Street and Seventh Street for the 'Future' and 'Future + Project' conditions. However, any proposed signal installation is subject to final approval by DOT.

The applicant should be required to prepare a complete Traffic Signal Warrant Analysis of Imperial Street and Seventh Street for review by DOT's Central District Office for a final determination on the need for traffic signals at this location. The satisfaction of a traffic signal warrant does not in itself require the installation of a signal. Other factors relative to safety, traffic flow, signal spacing, coordination, etc. should be considered. If DOT makes the determination that a traffic signal is warranted and needed at the intersection, then the applicant would be responsible for the full cost to design and install the new signal.

Should DOT determine that a traffic signal is warranted and needed at Imperial Street and Seventh Street, the applicant shall be responsible for the cost of the design and implementation of the of the traffic signal, any related traffic signal equipment modifications, and bus stop relocations associated with any proposed transportation improvements and enhancements described above. All improvements, enhancements, and associated traffic signal work within the City of Los Angeles must be guaranteed through Bureau of Engineering's (BOE) B-Permit process, prior to the issuance of any building permits and **completed** prior to the issuance of any certificates of occupancy. Temporary certificates of occupancy may be granted in the event of any delay through no fault of the applicant, provided that, in each case, the applicant has demonstrated reasonable efforts and due diligence to the satisfaction of DOT. Prior to setting the bond amount, BOE shall require that the developer's engineer or contractor email DOT's B-Permit Coordinator at ladot.planprocessing@lacity.org to arrange a pre-design meeting to finalize the proposed design needed for the project. If a proposed traffic corrective measure does not receive the required approval during plan review, a substitute corrective measure may be provided subject to the approval of DOT or other governing agency with jurisdiction over the corrective measure location, upon demonstration that the substitute measure is environmentally equivalent or superior to the original measure in improving the project's deficiency. To the extent that a corrective measure proves to be infeasible and no substitute corrective measure is available, then a deficiency would remain.

C. Additional Requirements and Considerations

To comply with the transportation with the transportation and mobility goals and provisions of

adopted City plans and ordinances, the applicant should be required to implement the improvements listed below:

1. Parking Requirements

The traffic study indicated that the Proposed Project and the Additional Office Option would provide an on-site subterranean parking garage will provide a total of 287 parking spaces. Based on the traffic study, the Proposed Project is required to provide 12 short-term and 118 long-term bicycle parking spaces for the residential component. For the commercial component, the Proposed Project is required to provide 12 short-term and 12 long-term spaces. The Additional Office Option is required to provide 11 short-term and 105 long-term bicycle spaces for the residential component. For the commercial component, the Additional Office Option is required to provide 11 short-term and 105 long-term bicycle spaces for the residential component. For the commercial component, the Additional Office Option is required to provide 14 short-term and 17 long-term spaces. The applicant should check with the Department of Building and Safety on the number of Code-required parking spaces needed for the project.

2. <u>Highway Dedication and Street Improvements</u>

Per the new Mobility Element of the General Plan, **Mateo Street** has been designated as an Avenue III which would require a 23-foot half-width roadway within a 36-foot half-width right-of-way and **Imperial Street** has been designated as a Collector Street which would require a 20-foot half-width roadway within a 33-foot half-width right-of-way. The applicant should check with Bureau of Engineering's Land Development Group to determine the specific highway dedication, street widening and/or sidewalk requirements for this project.

3. Driveway Access and Circulation

The proposed site plan illustrated in **Attachment A** is acceptable to DOT; however, review of the study does not constitute approval of internal circulation schemes and driveway dimensions. Those require separate review and approval and should be coordinated with DOT's Citywide Planning Coordination Section (201 N. Figueroa Street, 5th Floor, Station 3, @ 213-482-7024). In order to minimize and prevent last minute building design changes, the applicant should contact DOT, prior to the commencement of building or parking layout design efforts, for driveway width and internal circulation requirements. Any changes to the project's site access, circulation scheme, or loading/unloading area after issuance of this report would require separate review and approval and should be coordinated as well.

4. Worksite Traffic Control Requirements

DOT recommends that a construction work site traffic control plan be submitted to DOT's Citywide Temporary Traffic Control Section or Permit Plan Review Section for review and approval prior to the start of any construction work. Refer to http://ladot.lacity.org/what-we-do/plan-review to determine which section to coordinate review of the work site traffic control plan. The plan should show the location of any roadway or sidewalk closures, traffic detours, haul routes, hours of operation, protective devices, warning signs and access to abutting properties. DOT also recommends that all construction related traffic be restricted to off-peak hours to the extent feasible.

5. <u>Development Review Fees</u>

Section 19.15 of the Los Angeles Municipal Code identifies specific fees for traffic study review, condition clearance, and permit issuance. The applicant shall comply with any

applicable fees per this ordinance.

If you have any questions, please contact Kevin Arucan at (213) 972-4970.

Attachments

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c: Shaylee Papadakis, Council District 14 Edward Yu, Central District, DOT Taimour Tanavoli, Case Management Office, DOT Matthew Masuda, Central District, BOE David Shender, Linscott, Law & Greenspan.

CEN19-48932_676 Mateo St_MU_Attachment A



6-

CITY OF LOS ANGELES VMT CALCULATOR Version 1.3



Project Screening Criteria: Is this project required to conduct a vehicle miles traveled analysis?

Project Information



Is the project replacing an existing number of residential units with a smaller number of residential units AND is located within one-half mile of a fixed-rail or fixed-guideway transit station?



Existing Land Use					
	Land Use Type	Value	Unit		
V	Industrial Light Industrial	26.74	ksf	T	
0					
-	Click here to add a single custom land use type (w	vill be included i	in the above l	ist)	

Proposed Project Land Use

Land Use Type		Valu	ie Unit	
Office General Office	-	3.9	ksf	- I
Housing Multi-Family Retail General Retail Retail High-Turnover Sit-Down Restaurant Office General Office		185 8.375 15.005 3.9	DU ksf ksf ksf	

Click here to add a single custom land use type (will be included in the above list)

Project Screening Summary

Existing Land Use	Propos Projec	ed :t
156 Daily Vehicle Trips	2,765 Daily Vehicle Trips	
1,152 Daily VMT	19,35 Daily VN	4 1T
Tier 1 Screer	ning Criteria	
Project will have less reside to existing residential units mile of a fixed-rail station.	ntial units compa & is within one-h	red alf
Tier 2 Screer	ning Criteria	
The net increase in daily tri	ps < 250 trips	2,609 Net Daily Trip:
The net increase in daily VM	/ T ≤ 0	18,202 Net Daily VM
The proposed project cons land uses ≤ 50,000 square f	ists of only retail eet total.	23.380 ksf
The proposed project VMT a	is required to nalysis.	perform

Measuring the Miles

CITY OF LOS ANGELES VMT CALCULATOR Version 1.3



Project Information



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Proposed Project Land Use Type	Value	Unit
Housing Multi-Family	185	DU
Retail General Retail	8.375	ksf
Retail High-Turnover Sit-Down Restaurant	15.005	ksf
Office General Office	3.9	ksf

TDM Strategies

Select each section to show individual strategies Use 🔽 to denote if the TDM strategy is part of the proposed project or is a mitigation strategy Proposed Project With Mitigation

Max Home Based TD Max Work Based TD	M Achieved? M Achieved?	No No	No No
A	Parking		
Reduce Parking Supply	474 city code par	king provision for the	project site
Proposed Prj Mitigation	287 actual parkin	ng provision for the pr	oject site
Unbundle Parking Proposed Prj Mitigation	100 monthly parl	king cost (dollar) for t	he project
Parking Cash-Out	50 percent of er	nployees eligible	
Price Workplace Parking	6.00 _ daily pa 50 percent of er parking	rking charge (dollar) nployees subject to p	riced
Residential Area Parking Permits Proposed Prj Mitigation	200 _ cost (do	ollar) of annual permit	
B	Transit		
C Edu	cation & Encou	ragement	
D Co	ommute Trip Re	ductions	
E	Shared Mobi	ility	
F	Bicycle Infrastru	ucture	
G Nei	abborhood Enh	ancement	

Analysis Results

Proposed	With
Project	Mitigation
2,404	2,404
Daily Vehicle Trips	Daily Vehicle Trips
16,828	16,828
Daily VMT	Daily VMT
5.0	5.0
Houseshold VMT	Houseshold VMT
per Capita	per Capita
7.4	7.4
Work VMT	Work VMT
per Employee	per Employee
Significant	/MT Impact?
Household: No	Household: No
Threshold = 6.0	Threshold = 6.0
15% Below APC	15% Below APC
Work: No	Work: No
Threshold = 7.6	Threshold = 7.6
15% Below APC	15% Below APC



Report 1: Project & Analysis Overview

Date: June 23, 2020 Project Name: 676 Mateo Street Project Scenario: Proposed Project Project Address: 676 S MATEO ST, 90021



Project Information			
Land	l Use Type	Value	Units
	Single Family	0	DU
	Multi Family	185	DU
Housing	Townhouse	0	DU
-	Hotel	0	Rooms
	Motel	0	Rooms
	Family	0	DU
Afferdable Herring	Senior	0	DU
Affordable Housing	Special Needs	0	DU
	Permanent Supportive	0	DU
	General Retail	8.375	ksf
	Furniture Store	0.000	ksf
	Pharmacy/Drugstore	0.000	ksf
	Supermarket	0.000	ksf
	Bank	0.000	ksf
	Health Club	0.000	ksf
Retail	High-Turnover Sit-Down Restaurant	15.005	ksf
	Fast-Food Restaurant	0.000	ksf
	Ouality Restaurant	0.000	ksf
	Auto Repair	0.000	ksf
	Home Improvement	0.000	ksf
	Free-Standing Discount	0.000	ksf
	Movie Theater	0	Seats
011.1	General Office	3.900	ksf
Office	Medical Office	0.000	ksf
	Light Industrial	0.000	ksf
Industrial	Manufacturing	0.000	ksf
	Warehousing/Self-Storage	0.000	ksf
	University	0	Students
	High School	0	Students
School	Middle School	0	Students
	Elementary	0	Students
	Private School (K-12)	0	Students
Other		0	Trips

Project and Analysis Overview 1 of 2

Report 1: Project & Analysis Overview

Date: June 23, 2020 Project Name: 676 Mateo Street Project Scenario: Proposed Project Project Address: 676 S MATEO ST, 90021



	Analysis Res	sults			
	Total Employees:	92			
	Total Population:	417			
Propose	ed Project	With Mi	tigation		
2,404	Daily Vehicle Trips	2,404	Daily Vehicle Trips		
16,828	Daily VMT	16,828	Daily VMT		
_	Household VMT	_	Household VMT per		
5	per Capita	5	Capita		
	Work VMT		Work VMT per		
7.4	per Employee	7.4	Employee		
	Significant VMT	Impact?			
	APC: Centr	al			
	Impact Threshold: 15% Belo	ow APC Average			
	Household = 6.0				
	Work = 7.6				
Propose	ed Project	With Mi	tigation		
VMT Threshold	Impact	VMT Threshold	Impact		
Household > 6.0	No	Household > 6.0	No		
Work > 7.6	No	Work > 7.6	No		

Date: June 23, 2020 Project Name: 676 Mateo Street Project Scenario: Proposed Project Project Address: 676 S MATEO ST, 90021



Report 2: TDM Inputs

TDM Strategy Inputs				
Stra	tegy Type	Description	Proposed Project	Mitigations
	Reduce parking	City code parking provision (spaces)	474	474
	supply	Actual parking provision (spaces)	287	287
	Unbundle parking	Monthly cost for parking (\$)	\$0	\$0
Parking	Parking cash-out	Employees eligible (%)	0%	0%
	Price workplace parking	Daily parking charge (\$)	<i>\$0.00</i>	\$0.00
		Employees subject to priced parking (%)	0%	0%
	Residential area parking permits	Cost of annual permit (\$)	\$0	\$0

(cont. on following page)

Report 2: TDM Inputs

Date: June 23, 2020 Project Name: 676 Mateo Street Project Scenario: Proposed Project Project Address: 676 S MATEO ST, 90021



Strate	egy Type	Description	Proposed Project	Mitigations
		Reduction in headways (increase in frequency) (%)	0%	0%
	Reduce transit headways	Existing transit mode share (as a percent of total daily trips) (%)	0%	0%
		Lines within project site improved (<50%, >=50%)	0	0
Transit	Implement neighborhood shuttle	Degree of implementation (low, medium, high)	0	0
		Employees and residents eligible (%)	0%	0%
		Employees and residents eligible (%)	0%	0%
	Transit subsidies	Amount of transit subsidy per passenger (daily equivalent) (\$)	\$0.00	<i>\$0.00</i>
Education &	Voluntary travel behavior change program	Employees and residents participating (%)	0%	0%
ncouragement	Promotions and marketing	Employees and residents participating (%)	0%	0%

Report 2: TDM Inputs

Date: June 23, 2020 Project Name: 676 Mateo Street Project Scenario: Proposed Project Project Address: 676 S MATEO ST, 90021



	TDM	Strategy Inputs,	Cont.	
Strate	gy Туре	Description	Proposed Project	Mitigations
	Required commute trip reduction program	Employees participating (%)	0%	0%
	Alternative Work Schedules and	Employees participating (%)	0%	0%
	Telecommute	Type of program	0	0
Commute Trip Reductions	5 m la martina d	Degree of implementation (low, medium, high)	0	0
	Employer sponsored vanpool or shuttle	Employees eligible (%)	0%	0%
		Employer size (small, medium, large)	0	0
	Ride-share program	Employees eligible (%)	0%	0%
Shared Mobility	Car share	Car share project setting (Urban, Suburban, All Other)	0	0
	Bike share	Within 600 feet of existing bike share station - OR- implementing new bike share station (Yes/No)	0	0
	School carpool program	Level of implementation (Low, Medium, Hiah)	0	0

Date: June 23, 2020 Project Name: 676 Mateo Street Project Scenario: Proposed Project Project Address: 676 S MATEO ST, 90021



Report 2: TDM Inputs

TDM Strategy Inputs, Cont.									
Strate	еду Туре	Description	Proposed Project	Mitigations					
	Implement/Improve on-street bicycle facility	Provide bicycle facility along site (Yes/No)	0	0					
Bicycle	Include Bike parking per LAMC	Meets City Bike Parking Code (Yes/No)	Yes	Yes					
innastructure	Include secure bike parking and showers	Includes indoor bike parking/lockers, showers, & repair station (Yes/No)	0	0					
	Traffic calming	Streets with traffic calming improvements (%)	0%	0%					
Neighborhood	improvements	Intersections with traffic calming improvements (%)	0%	0%					
Ennancement	Pedestrian network improvements	Included (within project and connecting off- site/within project only)	0	0					

Date: June 23, 2020 Project Name: 676 Mateo Street Project Scenario: Proposed Project Project Address: 676 S MATEO ST, 90021



Report 3: TDM Outputs

				TDM	I Adjustm	ents by 1	rip Purpo	ose & Stra	ategy					
						Place type	: Suburbar	n Center						
		Home B Proc Proposed	ased Work duction Mitigated	Home B Attr Proposed	ased Work raction Mitigated	Home B Proc Proposed	ased Other duction Mitigated	Home B Attr Proposed	ased Other raction Mitigated	Non-Home Pro Proposed	e Based Other duction Mitigated	Non-Home Attr Proposed	e Based Other raction Mitigated	Source
	Reduce parking supply	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	
	Unbundle parking	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Parking	Parking cash-out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	Appendix, Parking
	Price workplace parking	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1 - 5
	Residential area parking permits	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Reduce transit headways	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	TDM Strategy
Transit	Implement neighborhood shuttle	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	Appendix, Transit sections 1 - 3
	Transit subsidies	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Education &	Voluntary travel behavior change	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	TDM Strategy Appendix,
Encouragement	Promotions and marketing	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	Encouragement sections 1 - 2
	Required commute trip reduction program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Commute Trip Reductions	Alternative Work Schedules and Telecommute Program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	Appendix, Commute Trip Reductions
	Employer sponsored vanpool or shuttle	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	sections 1 - 4
	Ride-share program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Car-share	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	TDM Strategy
Shared Mobility	Bike share	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	Appendix, Shared
	School carpool program	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	Mobility sections 1 - 3

Date: June 23, 2020 Project Name: 676 Mateo Street Project Scenario: Proposed Project Project Address: 676 S MATEO ST, 90021



Report 3: TDM Outputs

	TDM Adjustments by Trip Purpose & Strategy, Cont.													
	Place type: Suburban Center													
		Ноте Во	ased Work	Home Bo	ased Work	Ноте Ва	ised Other	Ноте Ва	ised Other	Non-Home	Based Other	Non-Home	Based Other	
		Prod	uction	Attro	action	Prod	uction	Attro	action	Prod	luction	Attr	action	Source
		Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	
Bicycle	Implement/ Improve on-street bicycle facility	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	TDM Strategy
Infrastructure	Include Bike parking per LAMC	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	Infrastructure
	Include secure bike parking and showers	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	sections 1 - 3
Neighborhood	Traffic calming improvements	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	TDM Strategy Appendix,
Enhancement	Pedestrian network improvements	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	Neighborhood Enhancement

	Final Combined & Maximum TDM Effect												
		Home Based Work Production		Home Ba Attra	sed Work Iction	Home Based Other Home Based Other Non-Home Based Ot Production Attraction Production		Based Other uction	r Non-Home Based Other Attraction				
		Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated
COMBIN TOTA	NED L	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%
MAX. TI EFFEC	DM T	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%

= Minimum (X%, 1-[(1-A)*(1-B)]) where X%=								
	Where X/0-							
PLACE	urban	75%						
ТҮРЕ	compact infill	40%						
MAX:	suburban center	20%						
	suburban	15%						

Note: (1-[(1-A)*(1-B)...]) reflects the dampened combined effectiveness of TDM Strategies (e.g., A, B,...). See the TDM Strategy Appendix (*Transportation Assessment Guidelines Attachment G*) for further discussion of dampening.

Date: June 23, 2020 Project Name: 676 Mateo Street Project Scenario: Proposed Project Project Address: 676 S MATEO ST, 90021



Report 4: MXD Methodology

MXD Methodology - Project Without TDM								
	Unadjusted Trips	MXD Adjustment	MXD Trips	Average Trip Length	Unadjusted VMT	MXD VMT		
Home Based Work Production	166	-31.3%	114	7.2	1,195	821		
Home Based Other Production	459	-33.3%	306	5.2	2,387	1,591		
Non-Home Based Other Production	721	-3.1%	699	8.0	5,768	5,592		
Home-Based Work Attraction	134	-29.1%	95	8.3	1,112	789		
Home-Based Other Attraction	1,380	-26.8%	1,010	6.6	9,108	6,666		
Non-Home Based Other Attraction	559	-3.2%	541	7.2	4,025	3,895		

MXD Methodology with TDM Measures									
		Proposed Project		Project with Mitigation Measures					
	TDM Adjustment	Project Trips	Project VMT	TDM Adjustment	Mitigated Trips	Mitigated VMT			
Home Based Work Production	-13.0%	99	714	-13.0%	99	714			
Home Based Other Production	-13.0%	266	1,383	-13.0%	266	1,383			
Non-Home Based Other Production	-13.0%	608	4,862	-13.0%	608	4,862			
Home-Based Work Attraction	-13.0%	83	686	-13.0%	83	686			
Home-Based Other Attraction	-13.0%	878	5,796	-13.0%	878	5,796			
Non-Home Based Other Attraction	-13.0%	470	3,387	-13.0%	470	3,387			

MXD VMT Methodology Per Capita & Per Employee								
Total Population: 417 Total Employees: 92 APC: Central								
	Proposed Project	Project with Mitigation Measures						
Total Home Based Production VMT	2,097	2,097						
Total Home Based Work Attraction VMT	686	686						
Total Home Based VMT Per Capita	5.0	5.0						
Total Work Based VMT Per Employee	7.4	7.4						

CITY OF LOS ANGELES VMT CALCULATOR Version 1.3



Project Screening Criteria: Is this project required to conduct a vehicle miles traveled analysis?

Project Information



Is the project replacing an existing number of residential units with a smaller number of residential units AND is located within one-half mile of a fixed-rail or fixed-guideway transit station?



Existing Land Use										
	Land Use Type	Value 26.74	Unit ksf	•						
v	Industrial Light Industrial	26.74	ksf							
,										
	Click here to add a single custom land use type	(will be included i	n the above list)							
		-(wiii be filciudeu i	n the ab ove list)							

Proposed Project Land Use

Land Use Type		Value	e	Unit	
Office General Office	-	26.093		ksf	
Housing Multi-Family Retail General Retail Retail High-Turnover Sit-Down Restaurant Office General Office		159 8.375 15.005 26.093	DU ksf ksf ksf		

Click here to add a single custom land use type (will be included in the above list)

Project Screening Summary

Existing Land Use	Proposed Project					
156 Daily Vehicle Trips	2,836 Daily Vehicle Trips					
1,152 Daily VMT	20,043 Daily VMT					
Tier 1 Screening Criteria						
Project will have less residential units compared to existing residential units & is within one-half mile of a fixed-rail station.						
The net increase in daily tri	ps < 250 trips	2,680 Net Daily Trips				
The net increase in daily VI	MT ≤ 0	18,891 Net Daily VMT				
The proposed project cons land uses ≤ 50,000 square f	23.380 ksf					
The proposed project is required to perform VMT analysis.						

Measuring the Miles

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Project Information





Proposed Project Land Use Type	Value	Unit
Housing Multi-Family	159	DU
Retail General Retail	8.375	ksf
Retail High-Turnover Sit-Down Restaurant	15.005	ksf
Office General Office	26.093	ksf

|--|





Analysis Results

Proposed	With
Project	Mitigation
2,467	2,467
Daily Vehicle Trips	Daily Vehicle Trips
17,429	17,429
Daily VMT	Daily VMT
5.0	5.0
Houseshold VMT	Houseshold VMT
per Capita	per Capita
7.6	7.6
Work VMT	Work VMT
per Employee	per Employee
Significant V	/MT Impact?
Household: No	Household: No
Threshold = 6.0	Threshold = 6.0
15% Below APC	15% Below APC
Threshold = 7.6	Threshold = 7.6
15% Below APC	15% Below APC



Report 1: Project & Analysis Overview

Date: June 23, 2020 Project Name: 676 Mateo Street Project Scenario: Additional Office Option Project Address: 676 S MATEO ST, 90021



Project Information							
Land	l Use Type	Value	Units				
	Single Family	0	DU				
	Multi Family	159	DU				
Housing	Townhouse	0	DU				
-	Hotel	0	Rooms				
	Motel	0	Rooms				
	Family	0	DU				
Afferdalala Herrian	Senior	0	DU				
Affordable Housing	Special Needs	0	DU				
	Permanent Supportive	0	DU				
	General Retail	8.375	ksf				
	Furniture Store	0.000	ksf				
	Pharmacy/Drugstore	0.000	ksf				
	Supermarket	0.000	ksf				
	Bank	0.000	ksf				
	Health Club	0.000	ksf				
Retail	High-Turnover Sit-Down	15.005	ksf				
	Fast-Food Restaurant	0.000	ksf				
	Quality Restaurant	0.000	ksf				
	Auto Repair	0.000	ksf				
	Home Improvement	0.000	ksf				
	Free-Standing Discount	0.000	ksf				
	Movie Theater	0	Seats				
- 11	General Office	26.093	ksf				
Office	Medical Office	0.000	ksf				
	Light Industrial	0.000	ksf				
Industrial	Manufacturing	0.000	ksf				
	Warehousing/Self-Storage	0.000	ksf				
	University	0	Students				
	High School	0	Students				
School	Middle School	0	Students				
	Elementary	0	Students				
	Private School (K-12)	0	Students				
Other		0	Trips				

Project and Analysis Overview 1 of 2

Report 1: Project & Analysis Overview



Analysis Results									
	Total Employees: 181								
	Total Population:	358							
Propose	d Project	With Mi	tigation						
2,467	Daily Vehicle Trips	2,467	Daily Vehicle Trips						
17,429	Daily VMT	17,429	Daily VMT						
-	Household VMT	_	Household VMT per						
5	per Capita	5	Capita						
	Work VMT		Work VMT per						
7.6	per Employee	7.6	Employee						
	Significant VMT	Impact?							
	APC: Centr	al							
	Impact Threshold: 15% Belo	ow APC Average							
	Household = 6	5.0							
	Work = 7.6								
Propose	d Project	With Mi	tigation						
VMT Threshold	Impact	VMT Threshold	Impact						
Household > 6.0	No	Household > 6.0	No						
Work > 7.6	No	Work > 7.6	No						

Date: June 23, 2020 Project Name: 676 Mateo Street Project Scenario: Additional Office Option Project Address: 676 S MATEO ST, 90021



Report 2: TDM Inputs

TDM Strategy Inputs									
Strategy Type Description Proposed Project Mitiga									
	Reduce parking	City code parking provision (spaces)	479	479					
	supply	Actual parking provision (spaces)	287	287					
	Unbundle parking	Monthly cost for parking (\$)	\$0	\$0					
Parking	Parking cash-out	Employees eligible (%)	0%	0%					
	Price workplace	Daily parking charge (\$)	\$0.00	\$0.00					
	parking	Employees subject to priced parking (%)	0%	0%					
	Residential area parking permits	Cost of annual permit (\$)	\$0	\$0					

(cont. on following page)

Report 2: TDM Inputs



Strate	TDM Segy Type	Strategy Inputs, Description	Cont. Proposed Project	Mitigations
		Reduction in headways (increase in frequency) (%)	0%	0%
	Reduce transit headways	Existing transit mode share (as a percent of total daily trips) (%)	0%	0%
		Lines within project site improved (<50%, >=50%)	0	0
Transit	Implement	Degree of implementation (low, medium, high)	0	0
		Employees and residents eligible (%)	0%	0%
		Employees and residents eligible (%)	0%	0%
	Transit subsidies	Amount of transit subsidy per passenger (daily equivalent) (\$)	\$0.00	\$0.00
Education &	Voluntary travel behavior change program	Employees and residents participating (%)	0%	0%
Encouragement	Promotions and marketing	Employees and residents participating (%)	0%	0%

Report 2: TDM Inputs



TDM Strategy Inputs, Cont.								
Strate	еду Туре	Description	Proposed Project	Mitigations				
	Required commute trip reduction program	Employees participating (%)	0%	0%				
	Alternative Work Schedules and	Employees participating (%)	0%	0%				
	Telecommute	Type of program	0	0				
Commute Trip Reductions	Carolous and	Degree of implementation (low, medium, high)	0	0				
	vanpool or shuttle	Employees eligible (%)	0%	0%				
		Employer size (small, medium, large)	0	0				
	Ride-share program	Employees eligible (%)	0%	0%				
	Car share	Car share project setting (Urban, Suburban, All Other)	0	0				
Shared Mobility	Bike share	Within 600 feet of existing bike share station - OR- implementing new bike share station (Yes/No)	0	0				
	School carpool program	Level of implementation (Low, Medium, Hiah)	0	0				

Report 2: TDM Inputs



TDM Strategy Inputs, Cont.									
Strategy Type Description Proposed Project Mitig									
	Implement/Improve on-street bicycle facility	Provide bicycle facility along site (Yes/No)	0	0					
Bicycle	Include Bike parking per LAMC	Parking Code (Yes/No)	Yes	Yes					
Infrastructure	Include secure bike parking and showers	Includes indoor bike parking/lockers, showers, & repair station (Yes/No)	0	0					
	Traffic calming	Streets with traffic calming improvements (%)	0%	0%					
Neighborhood	improvements	Intersections with traffic calming improvements (%)	0%	0%					
Ennancement	Pedestrian network improvements	Included (within project and connecting off- site/within project only)	0	0					

Date: June 23, 2020 Project Name: 676 Mateo Street Project Scenario: Additional Office Option Project Address: 676 S MATEO ST, 90021



Report 3: TDM Outputs

	TDM Adjustments by Trip Purpose & Strategy													
						Place type	: Suburbar	n Center						
		Home B	ased Work	Home B	ased Work	Home B	ased Other	Ноте В	ased Other	Non-Home	e Based Other	Non-Home	e Based Other	
		Proc	luction	Attr	action	Proc	luction	Attı	raction	Proc	duction	Attr	raction	Source
		Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	
	Reduce parking supply	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	
	Unbundle parking	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	TDM Strategy
Parking	Parking cash-out	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	Appendix, Parking
	Price workplace parking	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	1 - 5
	Residential area	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Reduce transit headways	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	TDM Strategy
Transit	Implement neighborhood shuttle	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	Appendix, Transit sections 1 - 3
	Transit subsidies	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Education &	Voluntary travel behavior change program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	TDM Strategy Appendix, Education &
Encouragement	Promotions and marketing	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	Encouragement sections 1 - 2
	Required commute trip reduction program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	TDM Stratogy
Commute Trip Reductions	Alternative Work Schedules and Telecommute Program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	Appendix, Commute Trip Reductions
	Employer sponsored vanpool or shuttle	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	sections 1 - 4
	Ride-share program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Car-share	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	TDM Strategy
Shared Mobility	Bike share	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	Appendix, Shared
,	School carpool program	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	Mobility sections 1 - 3

Date: June 23, 2020 Project Name: 676 Mateo Street Project Scenario: Additional Office Option Project Address: 676 S MATEO ST, 90021



Report 3: TDM Outputs

	TDM Adjustments by Trip Purpose & Strategy, Cont.													
						Place type	: Suburban	Center						
	Home Based Work Home Based Work Home Based Other Home Based Other Non-Home Based Other Non-Home Based Othe									Based Other				
		Prod	luction	Attr	action	Prod	luction	Attr	action	Prod	uction	Attr	action	Source
		Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	
Bicycle	Implement/ Improve on-street bicycle facility	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	TDM Strategy
Infrastructure	Include Bike parking per LAMC	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	Infrastructure
	Include secure bike parking and showers	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	sections 1 - 3
Neighborhood	Traffic calming improvements	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	TDM Strategy Appendix,
Enhancement	Pedestrian network improvements	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	Neighborhood Enhancement

	Final Combined & Maximum TDM Effect											
	Home Ba Produ	sed Work Iction	Home Ba Attra	sed Work Iction	Home Ba Produ	sed Other Iction	Home Bas Attra	sed Other Iction	Non-Home I Produ	Based Other uction	Non-Home I Attra	Based Other ction
	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated
COMBINED TOTAL	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%
MAX. TDM EFFECT	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%	13%

= Minimum (X%, 1-[(1-A)*(1-B)])							
where X%=							
PLACE	urban	75%					
TYPE	compact infill	40%					
MAX:	suburban center	20%					
	suburban	15%					

Note: (1-[(1-A)*(1-B)...]) reflects the dampened combined effectiveness of TDM Strategies (e.g., A, B,...). See the TDM Strategy Appendix (*Transportation Assessment Guidelines Attachment G*) for further discussion of dampening.

Date: June 23, 2020 Project Name: 676 Mateo Street Project Scenario: Additional Office Option Project Address: 676 S MATEO ST, 90021



Report 4: MXD Methodology

	MXD Methodology - Project Without TDM												
Unadjusted Trips MXD Adjustment MXD Trips Average Trip Length Unadjusted VMT MXD VMT													
Home Based Work Production	143	-33.6%	95	7.2	1,030	684							
Home Based Other Production	395	-33.4%	263	5.2	2,054	1,368							
Non-Home Based Other Production	720	-3.2%	697	8.0	5,760	5,576							
Home-Based Work Attraction	263	-27.4%	191	8.3	2,183	1,585							
Home-Based Other Attraction	1,407	-26.9%	1,029	6.6	9,286	6,791							
Non-Home Based Other Attraction	580	-3.3%	561	7.2	4,176	4,039							

MXD Methodology with TDM Measures												
	Proposed Project Project with Mitigation Measures											
	TDM Adjustment Project Trips Project VMT TDM Adjustment Mitigated Trips Mitigated V											
Home Based Work Production	-13.0%	83	595	-13.0%	83	595						
Home Based Other Production	-13.0%	229	1,190	-13.0%	229	1,190						
Non-Home Based Other Production	-13.0%	606	4,849	-13.0%	606	4,849						
Home-Based Work Attraction	-13.0%	166	1,378	-13.0%	166	1,378						
Home-Based Other Attraction	-13.0%	895	5,905	-13.0%	895	5,905						
Non-Home Based Other Attraction	-13.0%	488	3,512	-13.0%	488	3,512						

MXD VMT Methodology Per Capita & Per Employee											
Total Population: 358 Total Employees: 181 APC: Central											
	Proposed Project	Project with Mitigation Measures									
Total Home Based Production VMT	1,785	1,785									
Total Home Based Work Attraction VMT	1,378	1,378									
Total Home Based VMT Per Capita	5.0	5.0									
Total Work Based VMT Per Employee	7.6	7.6									

r								21.Jan.20									
				YEAI	R 2019 EXIS	STING	YEAH	2019 EXIS	TING W/ PROJ	ЕСТ	YEAR 2023 F	UTURE W	O PROJECT	YEA	R 2023 FU	TURE W/ PROJI	ECT
NO.	INTERSECTION	TRAFFIC MOVEMENT	PEAK HOUR	DELAY [2]	LOS [3]	QUEUE [4]	DELAY [2]	LOS [3]	QUEUE [4]	CHANGE IN OUEUE [5]	DELAY [2]	LOS [3]	QUEUE [4]	DELAY [2]	LOS [3]	QUEUE [4]	CHANGE IN OUEUE [5]
1	Mateo Street / Jesse Street (Unsignalized)	NB Left/Through/Right	AM PM	7.8 8.2	A A	0.0 0.0	7.8 8.2	A A	0.0 0.0	0.0 0.0	8.2 8.8	A A	0.0 0.0	8.2 8.8	A A	0.0 0.0	0.0 0.0
	(SB Left/Throught/Right	AM PM	8.4 7.8	A A	2.5 2.5	8.4 7.9	A A	2.5 2.5	0.0 0.0	9.8 8.7	A A	20.0 10.0	9.9 8.8	A A	22.5 12.5	2.5 2.5
		EB Right	AM PM	15.8 12.6	C B	2.5 0.0	16.8 13.0	C B	5.0 0.0	2.5 0.0	67.0 37.5	F E	17.5 2.5	76.4 42.0	F E	20.0 2.5	2.5 0.0
		WB Left/Right	AM PM	13.9 13.1	B B	12.5 12.5	14.0 13.4	B B	15.0 15.0	2.5 2.5	31.3 40.2	D E	80.0 200.0	33.8 46.6	D E	92.5 225.0	12.5 25.0
2	Mateo Street / 7th Street	NB Left/Through/Right	AM PM	25.4 33.3	C C	252.5 263.3	25.5 33.8	C C	254.0 267.8	1.5 4.5	143.6 496.5	F F	953.4 2307.5	145.1 499.9	F F	962.3 2325.8	8.9 18.3
	(Signalized)	SB Left/Through/Right	AM PM	19.3 50.4	B D	106.1 406.0	19.3 51.5	B D	105.9 410.0	-0.2 4.0	22.1 226.2	C F	201.8 1152.4	22.1 227.1	C F	201.8 1154.9	0.0 2.5
		EB Left	AM PM	18.2 10.0	B A	16.7 13.6	18.9 10.1	B B	17.1 13.7	0.4 0.1	27.8 16.2	C B	26.6 21.9	29.0 16.5	C B	27.4 22.3	0.8 0.4
		EB Through	AM PM	7.7 10.3	A B	57.6 218.9	7.8 10.5	A B	60.5 227.1	2.9 8.2	11.1 14.8	B B	207.5 385.6	11.2 15.2	B B	211.4 398.0	3.9 12.4
		EB Right	AM PM	7.8 10.4	A B	56.1 212.2	7.8 10.6	A B	59.0 220.4	2.9 8.2	11.3 15.5	B B	196.2 383.3	11.4 16.0	B B	200.2 397.8	4.0 14.5
		WB Left	AM PM	12.4 18.5	B B	98.4 77.7	13.0 20.0	B C	107.8 88.7	9.4 11.0	47.0 58.4	D E	256.8 191.5	56.1 71.0	E E	285.6 215.3	28.8 23.8
		WB Through	AM PM	13.1 8.4	B A	266.7 115.0	13.4 8.5	B A	275.5 120.1	8.8 5.1	17.7 11.3	B B	375.3 258.5	18.3 11.4	B B	388.3 264.3	13.0 5.8
		WB Right	AM PM	13.3 8.4	B A	259.2 112.4	13.7 8.5	B A	268.4 117.3	9.2 4.9	18.9 11.3	B B	380.2 255.0	19.7 11.5	B B	396.0 260.8	15.8 5.8
3	Imperial Street / Jesse Street	NB Left/Through/Right	AM PM	9.4 9.3	A A	2.5 5.0	9.6 9.7	A A	2.5 5.0	0.0 0.0	13.0 17.2	B C	10.0 30.0	13.8 19.1	B C	15.0 37.5	5.0 7.5
	(Unsignalized)	SB Left/Through/Right	AM PM	9.5 9.6	A A	0.0 7.5	9.6 9.6	A A	0.0 7.5	0.0 0.0	12.9 18.4	B C	15.0 42.5	13.0 18.9	B C	15.0 45.0	0.0 2.5
		EB Left/Through/Right	AM PM	7.4 7.4	A A	0.0 0.0	7.4 7.4	A A	0.0 0.0	0.0 0.0	7.6 8.2	A A	0.0 2.5	7.6 8.2	A A	0.0 2.5	0.0 0.0
		WB Left/Through/Right	AM PM	7.3 7.3	A A	0.0 0.0	7.3 7.4	A A	0.0 0.0	0.0 0.0	7.7 7.5	A A	0.0 0.0	7.7 7.6	A A	0.0 0.0	0.0 0.0
4	Imperial Street / Project Site Driveway	NB Left	AM PM				7.4 7.6	A A	2.5 7.5	2.5 7.5				7.6 7.8	A A	2.5 7.5	2.5 7.5
	(Unsignalized)	EB Left/Right	AM PM				9.2 9.4	A A	12.5 7.5	12.5 7.5				9.8 10.1	A B	12.5 10.0	12.5 10.0

Table 5-2 SUMMARY OF DELAYS, LEVELS OF SERVICE, AND VEHICLE QUEUING [1] WEEKDAY AM AND PM PEAK HOURS

Table 5-2 (Continued) SUMMARY OF DELAYS, LEVELS OF SERVICE, AND VEHICLE QUEUING [1] WEEKDAY AM AND PM PEAK HOURS

				YEAI	R 2019 EXIS	STING	YEAI	R 2019 EXIS	TING W/ PROJ	ЕСТ	YEAR 2023 F	UTURE W	/O PROJECT	YEA	AR 2023 FU	TURE W/ PROJ	ECT
NO.	INTERSECTION	TRAFFIC MOVEMENT	PEAK HOUR	DELAY [2]	LOS [3]	QUEUE [4]	DELAY [2]	LOS [3]	QUEUE [4]	CHANGE IN QUEUE [5]	DELAY [2]	LOS [3]	QUEUE [4]	DELAY [2]	LOS [3]	QUEUE [4]	CHANGE IN OUEUE [5]
5	Imperial Street / 7th Street (Insignalized)	NB Left/Through/Right	AM PM	16.3 30.1	C D	0.0 0.0	18.9 37.6	C E	0.0 2.5	0.0 2.5	46.3 280.6	E F	2.5 10.0	69.4 OVERFLOW	F F	5.0 OVERFLOW	2.5 OVERFLOW
	(enspiration)	SB Left/Through/Right	AM PM	30.1 21.5	D C	2.5 12.5	100.7 34.6	F D	97.5 47.5	95.0 35.0	352.6 1217.3	F F	180.0 300.0	1384.8 OVERFLOW	F F	440.0 OVERFLOW	260.0 OVERFLOW
		EB Left	AM PM	13.5 9.1	B A	0.0 0.0	14.1 9.5	B A	5.0 5.0	5.0 5.0	17.1 12.8	C B	5.0 10.0	18.3 14.0	C B	12.5 17.5	7.5 7.5
		WB Left	AM PM	8.1 10.7	A B	0.0 0.0	8.1 10.7	A B	0.0 0.0	0.0 0.0	9.7 13.2	A B	0.0 0.0	9.7 13.2	A B	0.0 0.0	0.0 0.0

[1] Pursuant to LADOT's Transportation Assessment Guidelines, July 2019, the Highway Capacity Manual (HCM) methodology for

signalized and unsignalized intersections was utilized to calculate vehicle queuing.

[2] Control delay reported in seconds per vehicle.

[3] Unsignalized Intersection Levels of Service were based on the following criteria: Signalized Intersection Levels of Service were based on the following criteria:

Control Delay (s/veh)	LOS	Control Delay (s/veh)	LOS
<= 10	A	<= 10	А
> 10-15	В	> 10-20	В
> 15-25	С	> 20-35	С
> 25-35	D	> 35-55	D
> 35-50	E	> 55-80	E
> 50	F	> 80	F

[4] The 95th percentile queue is the maximum back of queue with 95th percentile traffic volumes. The HCM 6th Edition methodology worksheets report queues in number of vehicles, however an average vehicle length of 25 feet was assumed for analysis purposes. The reported queues therefore represent the calculated maximum back of queue in feet.

[5] Represents the change in calculated maximum back of queue (in feet) due to the addition of project-related traffic.

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CEN19-48932_676 Mateo St_MU_Attachment E

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				YEAL	R 2019 EXIS	STING	YEAI	R 2019 EXIS	TING W/ PROJ	ЕСТ	YEAR 2023 H	UTURE W	O PROJECT	YEA	AR 2023 FU	FURE W/ PROJ	ECT
NO.	INTERSECTION	TRAFFIC MOVEMENT	PEAK HOUR	DELAY [2]	LOS [3]	QUEUE [4]	DELAY [2]	LOS [3]	QUEUE [4]	CHANGE IN OUEUE [5]	DELAY [2]	LOS [3]	QUEUE [4]	DELAY [2]	LOS [3]	QUEUE [4]	CHANGE IN OUEUE [5]
1	Mateo Street / Jesse Street	NB Left/Through/Right	AM PM	7.8 8.2	A A	0.0 0.0	7.8 8.2	A A	0.0 0.0	0.0 0.0	8.2 8.8	A A	0.0 0.0	8.2 8.8	A A	0.0 0.0	0.0 0.0
	(Unsignalized)	SB Left/Throught/Right	AM PM	8.4 7.8	A A	2.5 2.5	8.4 7.9	A A	2.5 2.5	0.0 0.0	9.8 8.7	A A	20.0 10.0	9.9 8.7	A A	22.5 12.5	2.5 2.5
		EB Right	AM PM	15.8 12.6	C B	2.5 0.0	16.9 13.0	C B	5.0 0.0	2.5 0.0	67.0 37.5	F E	17.5 2.5	77.5 42.2	F E	22.5 2.5	5.0 0.0
		WB Left/Right	AM PM	13.9 13.1	B B	12.5 12.5	14.1 13.3	B B	15.0 15.0	2.5 2.5	31.3 40.2	D E	80.0 200.0	34.2 46.9	D E	92.5 227.5	12.5 27.5
2	Mateo Street / 7th Street (Simplified)	NB Left/Through/Right	AM PM	25.4 33.3	C C	252.5 263.3	25.6 33.8	C C	255.2 267.8	2.7 4.5	143.6 496.5	F F	953.4 2307.5	145.8 499.9	F F	967.2 2325.8	13.8 18.3
	(Signalized)	SB Left/Through/Right	AM PM	19.3 50.4	B D	106.1 406.0	19.3 51.5	B D	105.9 410.0	-0.2 4.0	22.1 226.2	C F	201.8 1152.4	22.1 227.1	C F	201.8 1154.9	0.0 2.5
		EB Left	AM PM	18.2 10.0	B A	16.7 13.6	18.8 10.2	B B	17.1 13.8	0.4 0.2	27.8 16.2	C B	26.6 21.9	29.0 16.6	C B	27.4 22.4	0.8 0.5
		EB Through	AM PM	7.7 10.3	A B	57.6 218.9	7.8 10.5	A B	61.2 226.9	3.6 8.0	11.1 14.8	B B	207.5 385.6	11.3 15.2	B B	212.6 397.8	5.1 12.2
		EB Right	AM PM	7.8 10.4	A B	56.1 212.2	7.8 10.6	A B	59.6 220.3	3.5 8.1	11.3 15.5	B B	196.2 383.3	11.4 16.0	B B	201.4 397.5	5.2 14.2
		WB Left	AM PM	12.4 18.5	B B	98.4 77.7	13.0 20.2	B C	108.2 90.6	9.8 12.9	47.0 58.4	D E	256.8 191.5	56.9 72.6	E E	287.1 219.5	30.3 28.0
		WB Through	AM PM	13.1 8.4	B A	266.7 115.0	13.4 8.5	B A	274.7 121.1	8.0 6.1	17.7 11.3	B B	375.3 258.5	18.3 11.4	B B	388.0 265.2	12.7 6.7
		WB Right	AM PM	13.3 8.4	B A	259.2 112.4	13.7 8.5	B A	268.2 118.3	9.0 5.9	18.9 11.3	B B	380.2 255.0	19.7 11.5	B B	395.7 262.4	15.5 7.4
3	Imperial Street / Jesse Street	NB Left/Through/Right	AM PM	9.4 9.3	A A	2.5 5.0	9.6 9.7	A A	2.5 5.0	0.0 0.0	13.0 17.2	B C	10.0 30.0	13.7 19.5	B C	12.5 40.0	2.5 10.0
	(Unsignalized)	SB Left/Through/Right	AM PM	9.5 9.6	A A	0.0 7.5	9.6 9.6	A A	0.0 7.5	0.0 0.0	12.9 18.4	B C	15.0 42.5	13.0 18.9	B C	15.0 45.0	0.0 2.5
		EB Left/Through/Right	AM PM	7.4 7.4	A A	0.0 0.0	7.4 7.4	A A	0.0 0.0	0.0 0.0	7.6 8.2	A A	0.0 2.5	7.6 8.2	A A	0.0 2.5	0.0 0.0
		WB Left/Through/Right	AM PM	7.3 7.3	A A	0.0 0.0	7.3 7.4	A A	0.0 0.0	0.0 0.0	7.7 7.5	A A	0.0 0.0	7.7 7.6	A A	0.0 0.0	0.0 0.0
4	Imperial Street / Project Site Driveway	NB Left	AM PM				7.4 7.6	A A	5.0 7.5	5.0 7.5				7.6 7.8	A A	5.0 7.5	5.0 7.5
	(Unsignalized)	EB Left/Right	AM PM				9.2 9.5	A A	12.5 10.0	12.5 10.0				9.9 10.2	A B	12.5 10.0	12.5 10.0

Table 5-3 SUMMARY OF DELAYS, LEVELS OF SERVICE, AND VEHICLE QUEUING [1] WEEKDAY AM AND PM PEAK HOURS ADDITIONAL OFFICE OPTION

Table 5-3 (Continued) SUMMARY OF DELAYS, LEVELS OF SERVICE, AND VEHICLE QUEUING [1] WEEKDAY AM AND PM PEAK HOURS ADDITIONAL OFFICE OPTION

				YEAI	R 2019 EXIS	STING	YEAH	R 2019 EXIS	TING W/ PROJ	ЕСТ	YEAR 2023 F	UTURE W	O PROJECT	YEA	AR 2023 FU	TURE W/ PROJ	ECT
NO.	INTERSECTION	TRAFFIC MOVEMENT	PEAK HOUR	DELAY [2]	LOS [3]	QUEUE [4]	DELAY [2]	LOS [3]	QUEUE [4]	CHANGE IN QUEUE [5]	DELAY [2]	LOS [3]	QUEUE [4]	DELAY [2]	LOS [3]	QUEUE [4]	CHANGE IN QUEUE [5]
5	Imperial Street / 7th Street (Unsignalized)	NB Left/Through/Right	AM PM	16.3 30.1	C D	0.0 0.0	19.2 37.7	C E	0.0 2.5	0.0 2.5	46.3 280.6	E F	2.5 10.0	72.7 OVERFLOW	F F	5.0 OVERFLOW	2.5 OVERFLOW
	(enspiration)	SB Left/Through/Right	AM PM	30.1 21.5	D C	2.5 12.5	102.3 37.1	F E	95.0 57.5	92.5 45.0	352.6 1217.3	F F	180.0 300.0	1450.0 OVERFLOW	F F	437.5 OVERFLOW	257.5 OVERFLOW
		EB Left	AM PM	13.5 9.1	B A	0.0 0.0	14.3 9.5	B A	5.0 5.0	5.0 5.0	17.1 12.8	C B	5.0 10.0	18.6 13.9	C B	12.5 17.5	7.5 7.5
		WB Left	AM PM	8.1 10.7	A B	0.0 0.0	8.1 10.7	A B	0.0 0.0	0.0 0.0	9.7 13.2	A B	0.0 0.0	9.7 13.2	A B	0.0 0.0	0.0 0.0

[1] Pursuant to LADOT's Transportation Assessment Guidelines, July 2019, the Highway Capacity Manual (HCM) methodology for

signalized and unsignalized intersections was utilized to calculate vehicle queuing.

[2] Control delay reported in seconds per vehicle.

[3] Unsignalized Intersection Levels of Service were based on the following criteria: Signalized

Signalized Intersection Levels of Service were based on the following criteria:

Control Delay (s/veh)	LOS	Control Delay (s/veh)	LOS
<= 10	А	<= 10	А
> 10-15	В	> 10-20	В
> 15-25	С	> 20-35	С
> 25-35	D	> 35-55	D
> 35-50	E	> 55-80	E
> 50	F	> 80	F

[4] The 95th percentile queue is the maximum back of queue with 95th percentile traffic volumes. The HCM 6th Edition methodology worksheets report queues in number of vehicles, however an average vehicle length of 25 feet was assumed for analysis purposes. The reported queues therefore represent the calculated maximum back of queue in feet.

[5] Represents the change in calculated maximum back of queue (in feet) due to the addition of project-related traffic.

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