

Appendix Q

Alternatives Traffic Analysis

Alternative 2

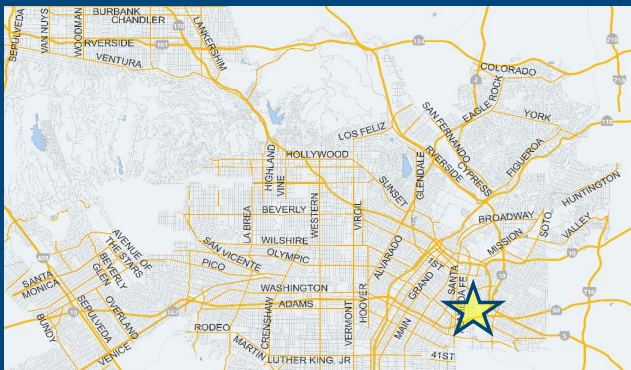
CITY OF LOS ANGELES VMT CALCULATOR Version 1.2



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

Project Information

Project: 2143 Violet
Scenario: Alternative 2: Zoning Compliant All Commercial [WWW](#)
Address: 2143 E VIOLET ST, 90021



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

Yes No

Existing Land Use

Land Use Type	Value	Unit
Housing Multi-Family	4	DU
Housing Multi-Family	4	DU

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

Proposed Project Land Use

Land Use Type	Value	Unit
Retail High-Turnover Sit-Down Restaurant	14.253	ksf
Retail High-Turnover Sit-Down Restaurant	14.253	ksf
Office General Office	128.169	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
19 Daily Vehicle Trips	2,632 Daily Vehicle Trips
113 Daily VMT	19,458 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. <input type="checkbox"/>	
Tier 2 Screening Criteria	
The net increase in daily trips < 250 trips	2,613 Net Daily Trips
The net increase in daily VMT ≤ 0	19,345 Net Daily VMT
The proposed project consists of only retail land uses ≤ 50,000 square feet total.	14.253 ksf
The proposed project is required to perform VMT analysis.	

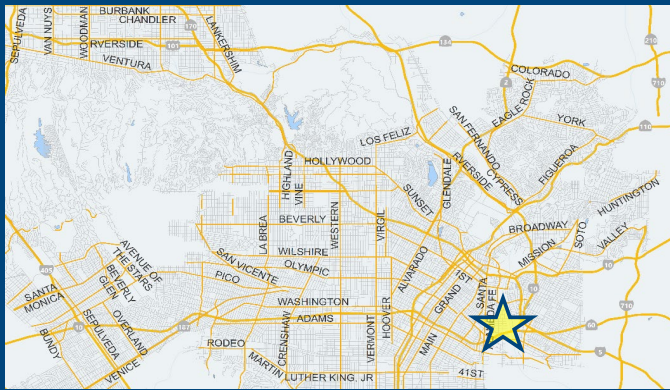


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Project Information

Project: 2143 Violet
Scenario: Alternative 2: Zoning Compliant All Commercial
Address: 2143 E VIOLET ST, 90021



Proposed Project Land Use Type	Value	Unit
Retail High-Turnover Sit-Down Restaurant	14.253	ksf
Office General Office	128.169	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

Max Home Based TDM Achieved? Proposed Project **No** With Mitigation **No**
Max Work Based TDM Achieved? Proposed Project **No** With Mitigation **Yes**

A **Parking**

Reduce Parking Supply Proposed Prj Mitigation

city code parking provision for the project site: 100
 actual parking provision for the project site: 74

Unbundle Parking Proposed Prj Mitigation

monthly parking cost (dollar) for the project site: 175

Parking Cash-Out Proposed Prj Mitigation

percent of employees eligible: 50

Price Workplace Parking Proposed Prj Mitigation

daily parking charge (dollar): 6.00
 percent of employees subject to priced parking: 50

Residential Area Parking Permits Proposed Prj Mitigation

cost (dollar) of annual permit: 200

- B** Transit
- C** Education & Encouragement
- D** Commute Trip Reductions
- E** Shared Mobility
- F** Bicycle Infrastructure
- G** Neighborhood Enhancement

Analysis Results

Proposed Project	With Mitigation
2,548 Daily Vehicle Trips	2,426 Daily Vehicle Trips
18,831 Daily VMT	17,848 Daily VMT
0.0 Household VMT per Capita	0.0 Household VMT per Capita
9.3 Work VMT per Employee	7.7 Work VMT per Employee
Significant VMT Impact?	
Household: No Threshold = 6.0 15% Below APC	Household: No Threshold = 6.0 15% Below APC
Work: Yes Threshold = 7.6 15% Below APC	Work: Yes Threshold = 7.6 15% Below APC



CITY OF LOS ANGELES VMT CALCULATOR

Report 1: Project & Analysis Overview

Date: November 25, 2019

Project Name: 2143 Violet

Project Scenario: Alternative 2: Zoning Compliant All Com

Project Address: 2143 E VIOLET ST, 90021



Version 1.2

Project Information			
Land Use Type		Value	Units
Housing	Single Family	0	DU
	Multi Family	0	DU
	Townhouse	0	DU
	Hotel	0	Rooms
	Motel	0	Rooms
Affordable Housing	Family	0	DU
	Senior	0	DU
	Special Needs	0	DU
	Permanent Supportive	0	DU
Retail	General Retail	0.000	ksf
	Furniture Store	0.000	ksf
	Pharmacy/Drugstore	0.000	ksf
	Supermarket	0.000	ksf
	Bank	0.000	ksf
	Health Club	0.000	ksf
	High-Turnover Sit-Down Restaurant	14.253	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
	Office	General Office	128.169
Medical Office		0.000	ksf
Industrial	Light Industrial	0.000	ksf
	Manufacturing	0.000	ksf
	Warehousing/Self-Storage	0.000	ksf
School	University	0	Students
	High School	0	Students
	Middle School	0	Students
	Elementary	0	Students
	Private School (K-12)	0	Students
Other		0	Trips

CITY OF LOS ANGELES VMT CALCULATOR

Report 1: Project & Analysis Overview

Date: November 25, 2019

Project Name: 2143 Violet

Project Scenario: Alternative 2: Zoning Compliant All Com

Project Address: 2143 E VIOLET ST, 90021



Version 1.2

Analysis Results			
Total Employees: 570			
Total Population: 0			
Proposed Project		With Mitigation	
2,548	Daily Vehicle Trips	2,426	Daily Vehicle Trips
18,831	Daily VMT	17,848	Daily VMT
0	Household VMT per Capita	0	Household VMT per Capita
9.3	Work VMT per Employee	7.7	Work VMT per Employee
Significant VMT Impact?			
APC: Central			
Impact Threshold: 15% Below APC Average			
Household = 6.0			
Work = 7.6			
Proposed Project		With Mitigation	
VMT Threshold	Impact	VMT Threshold	Impact
Household > 6.0	No	Household > 6.0	No
Work > 7.6	Yes	Work > 7.6	Yes

CITY OF LOS ANGELES VMT CALCULATOR

Report 2: TDM Inputs

Date: November 25, 2019

Project Name: 2143 Violet

Project Scenario: Alternative 2: Zoning Compliant All Con

Project Address: 2143 E VIOLET ST, 90021



Version 1.2

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

CITY OF LOS ANGELES VMT CALCULATOR

Report 2: TDM Inputs

Date: November 25, 2019

Project Name: 2143 Violet

Project Scenario: Alternative 2: Zoning Compliant All Con

Project Address: 2143 E VIOLET ST, 90021



Version 1.2

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

CITY OF LOS ANGELES VMT CALCULATOR

Report 2: TDM Inputs

Date: November 25, 2019

Project Name: 2143 Violet

Project Scenario: Alternative 2: Zoning Compliant All Con

Project Address: 2143 E VIOLET ST, 90021



Version 1.2

TDM Strategy Inputs, Cont.				
Strategy Type		Description	Proposed Project	Mitigations
Commute Trip Reductions	Required commute trip reduction program	Employees participating (%)	0%	100%
	<i>Alternative Work Schedules and Telecommute</i>	Employees participating (%)	0%	0%
		Type of program	0	0
	<i>Employer sponsored vanpool or shuttle</i>	Degree of implementation (low, medium, high)	0	0
		Employees eligible (%)	0%	0%
		Employer size (small, medium, large)	0	0
<i>Ride-share program</i>	Employees eligible (%)	0%	0%	
Shared Mobility	Car share	Car share project setting (Urban, Suburban, All Other)	0	Urban + Comprehensive Transit
	<i>Bike share</i>	Within 600 feet of existing bike share station - OR- implementing new bike share station (Yes/No)	0	0
	<i>School carpool program</i>	Level of implementation (Low, Medium, High)	0	0
(cont. on following page)				

CITY OF LOS ANGELES VMT CALCULATOR

Report 2: TDM Inputs

Date: November 25, 2019

Project Name: 2143 Violet

Project Scenario: Alternative 2: Zoning Compliant All Con

Project Address: 2143 E VIOLET ST, 90021



Version 1.2

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

CITY OF LOS ANGELES VMT CALCULATOR

Report 3: TDM Outputs

Date: November 25, 2019
 Project Name: 2143 Violet
 Project Scenario: Alternative 2: Zoning Compliant All Commercial
 Project Address: 2143 E VIOLET ST, 90021



Version 1.2

TDM Adjustments by Trip Purpose & Strategy														
Place type: Suburban Center														
		Home Based Work Production		Home Based Work Attraction		Home Based Other Production		Home Based Other Attraction		Non-Home Based Other Production		Non-Home Based Other Attraction		Source
		Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	
		Parking	Reduce parking supply	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Unbundle parking	0%		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Parking cash-out	0%		0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	
Price workplace parking	0%		0%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	
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%	
Transit	Reduce transit headways	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	TDM Strategy Appendix, Transit sections 1 - 3
	Implement neighborhood shuttle	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Transit subsidies	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Education & Encouragement	Voluntary travel behavior change program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	TDM Strategy Appendix, Education & Encouragement sections 1 - 2
	Promotions and marketing	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Commute Trip Reductions	Required commute trip reduction program	0%	0%	0%	21%	0%	0%	0%	0%	0%	0%	0%	0%	TDM Strategy Appendix, Commute Trip Reductions sections 1 - 4
	Alternative Work Schedules and Telecommute Program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Employer sponsored vanpool or shuttle	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Ride-share program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Shared Mobility	Car-share	0.0%	0.5%	0.0%	0.5%	0.0%	0.5%	0.0%	0.5%	0.0%	0.5%	0.0%	0.5%	TDM Strategy Appendix, Shared Mobility sections 1 - 3
	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%	
	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%	

CITY OF LOS ANGELES VMT CALCULATOR

Report 3: TDM Outputs

Date: November 25, 2019

Project Name: 2143 Violet

Project Scenario: Alternative 2: Zoning Compliant All Commercial

Project Address: 2143 E VIOLET ST, 90021



Version 1.2

TDM Adjustments by Trip Purpose & Strategy, Cont.

Place type: Suburban Center

		Home Based Work Production		Home Based Work Attraction		Home Based Other Production		Home Based Other Attraction		Non-Home Based Other Production		Non-Home Based Other Attraction		Source
		Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	
Bicycle Infrastructure	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 Appendix, Bicycle Infrastructure sections 1 - 3
	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%	
	Include secure bike parking and showers	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	
Neighborhood Enhancement	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, Neighborhood Enhancement sections 1 - 2
	Pedestrian network improvements	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	

Final Combined & Maximum TDM Effect

	Home Based Work Production		Home Based Work Attraction		Home Based Other Production		Home Based Other Attraction		Non-Home Based Other Production		Non-Home Based Other Attraction	
	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated
COMBINED TOTAL	3%	4%	3%	28%	3%	4%	3%	4%	3%	4%	3%	4%
MAX. TDM EFFECT	3%	4%	3%	20%	3%	4%	3%	4%	3%	4%	3%	4%

$$= \text{Minimum}(X\%, 1 - [(1-A) * (1-B)...])$$

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.

CITY OF LOS ANGELES VMT CALCULATOR

Report 4: MXD Methodology

Date: November 25, 2019

Project Name: 2143 Violet

Project Scenario: Alternative 2: Zoning Compliant All Com

Project Address: 2143 E VIOLET ST, 90021



Version 1.2

MXD Methodology - Project Without TDM

	Unadjusted Trips	MXD Adjustment	MXD Trips	Average Trip Length	Unadjusted VMT	MXD VMT
Home Based Work Production	0	0.0%	0	7.3	0	0
Home Based Other Production	0	0.0%	0	5.3	0	0
Non-Home Based Other Production	570	-11.1%	507	8.1	4,617	4,107
Home-Based Work Attraction	826	-20.3%	658	8.3	6,856	5,461
Home-Based Other Attraction	1,259	-23.7%	960	6.5	8,184	6,240
Non-Home Based Other Attraction	570	-11.1%	507	7.2	4,104	3,650

MXD Methodology with TDM Measures

	<i>Proposed Project</i>			<i>Project with Mitigation Measures</i>		
	TDM Adjustment	Project Trips	Project VMT	TDM Adjustment	Mitigated Trips	Mitigated VMT
Home Based Work Production	-3.2%	0	0	-3.7%	0	0
Home Based Other Production	-3.2%	0	0	-3.7%	0	0
Non-Home Based Other Production	-3.2%	491	3,975	-3.7%	488	3,955
Home-Based Work Attraction	-3.2%	637	5,285	-20.0%	526	4,369
Home-Based Other Attraction	-3.2%	929	6,039	-3.7%	924	6,009
Non-Home Based Other Attraction	-3.2%	491	3,532	-3.7%	488	3,515

MXD VMT Methodology Per Capita & Per Employee

Total Population: 0

Total Employees: 570

APC: Central

	<i>Proposed Project</i>	<i>Project with Mitigation Measures</i>
Total Home Based Production VMT	0	0
Total Home Based Work Attraction VMT	5,285	4,369
Total Home Based VMT Per Capita	0.0	0.0
Total Work Based VMT Per Employee	9.3	7.7

Alternative 3

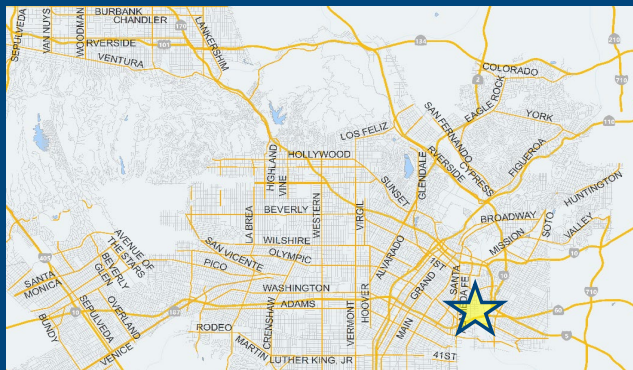
CITY OF LOS ANGELES VMT CALCULATOR Version 1.2



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

Project Information

Project: 2143 Violet
Scenario: Alternative 3: Reduced Density
Address: 2143 E VIOLET ST, 90021



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

Yes No

Existing Land Use

Land Use Type	Value	Unit
Housing Multi-Family	4	DU
Housing Multi-Family	4	DU

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

Proposed Project Land Use

Land Use Type	Value	Unit
Office General Office	128.169	ksf
Housing Multi-Family	230	DU
Retail High-Turnover Sit-Down Restaurant	16.394	ksf
Office General Office	140.53	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
19 Daily Vehicle Trips	3,999 Daily Vehicle Trips
113 Daily VMT	28,088 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. <input type="checkbox"/>	
Tier 2 Screening Criteria	
The net increase in daily trips < 250 trips	3,980 Net Daily Trips
The net increase in daily VMT ≤ 0	27,975 Net Daily VMT
The proposed project consists of only retail land uses ≤ 50,000 square feet total.	16.394 ksf
The proposed project is required to perform VMT analysis.	

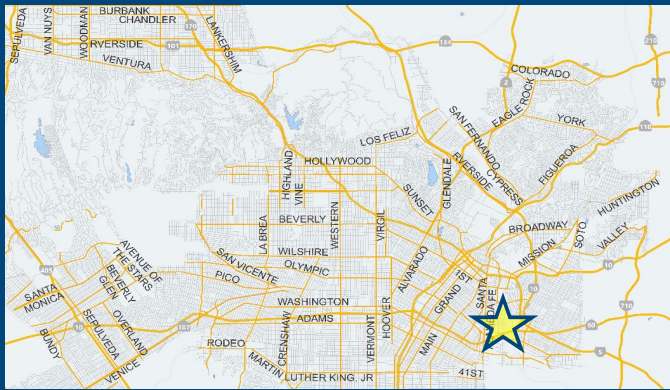


CITY OF LOS ANGELES VMT CALCULATOR Version 1.2



Project Information

Project: 2143 Violet
Scenario: Alternative 3: Reduced Density
Address: 2143 E VIOLET ST, 90021



Proposed Project Land Use Type	Value	Unit
Housing Multi-Family	230	DU
Retail High-Turnover Sit-Down Restaurant	16.394	ksf
Office General Office	140.53	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

Max Home Based TDM Achieved? Proposed Project **No** With Mitigation **Yes**
Max Work Based TDM Achieved? Proposed Project **No** With Mitigation **Yes**

A Parking

Reduce Parking Supply Proposed Prj Mitigation

city code parking provision for the project site:
 actual parking provision for the project site:

Unbundle Parking Proposed Prj Mitigation

monthly parking cost (dollar) for the project site:

Parking Cash-Out Proposed Prj Mitigation

percent of employees eligible:

Price Workplace Parking Proposed Prj Mitigation

daily parking charge (dollar):
 percent of employees subject to priced parking:

Residential Area Parking Permits Proposed Prj Mitigation

cost (dollar) of annual permit:

- B** Transit
- C** Education & Encouragement
- D** Commute Trip Reductions
- E** Shared Mobility
- F** Bicycle Infrastructure
- G** Neighborhood Enhancement

Analysis Results

Proposed Project	With Mitigation
3,870 Daily Vehicle Trips	3,595 Daily Vehicle Trips
27,183 Daily VMT	25,266 Daily VMT
9.4 Household VMT per Capita	7.7 Household VMT per Capita
9.1 Work VMT per Employee	7.5 Work VMT per Employee
Significant VMT Impact?	
Household: Yes Threshold = 6.0 15% Below APC	Household: Yes Threshold = 6.0 15% Below APC
Work: Yes Threshold = 7.6 15% Below APC	Work: No Threshold = 7.6 15% Below APC



CITY OF LOS ANGELES VMT CALCULATOR

Report 1: Project & Analysis Overview

Date: November 25, 2019

Project Name: 2143 Violet

Project Scenario: Alternative 3: Reduced Density

Project Address: 2143 E VIOLET ST, 90021



Version 1.2

Project Information			
Land Use Type		Value	Units
Housing	<i>Single Family</i>	0	DU
	Multi Family	230	DU
	<i>Townhouse</i>	0	DU
	<i>Hotel</i>	0	Rooms
	<i>Motel</i>	0	Rooms
<i>Affordable Housing</i>	<i>Family</i>	0	DU
	<i>Senior</i>	0	DU
	<i>Special Needs</i>	0	DU
	<i>Permanent Supportive</i>	0	DU
Retail	<i>General Retail</i>	0.000	ksf
	<i>Furniture Store</i>	0.000	ksf
	<i>Pharmacy/Drugstore</i>	0.000	ksf
	<i>Supermarket</i>	0.000	ksf
	<i>Bank</i>	0.000	ksf
	<i>Health Club</i>	0.000	ksf
	High-Turnover Sit-Down Restaurant	16.394	ksf
	<i>Fast-Food Restaurant</i>	0.000	ksf
	<i>Quality Restaurant</i>	0.000	ksf
	<i>Auto Repair</i>	0.000	ksf
	<i>Home Improvement</i>	0.000	ksf
	<i>Free-Standing Discount</i>	0.000	ksf
	<i>Movie Theater</i>	0	Seats
	Office	General Office	140.530
<i>Medical Office</i>		0.000	ksf
<i>Industrial</i>	<i>Light Industrial</i>	0.000	ksf
	<i>Manufacturing</i>	0.000	ksf
	<i>Warehousing/Self-Storage</i>	0.000	ksf
School	<i>University</i>	0	Students
	<i>High School</i>	0	Students
	<i>Middle School</i>	0	Students
	<i>Elementary</i>	0	Students
	<i>Private School (K-12)</i>	0	Students
<i>Other</i>	0	Trips	

CITY OF LOS ANGELES VMT CALCULATOR

Report 1: Project & Analysis Overview

Date: November 25, 2019

Project Name: 2143 Violet

Project Scenario: Alternative 3: Reduced Density

Project Address: 2143 E VIOLET ST, 90021



Version 1.2

Analysis Results			
Total Employees: 628			
Total Population: 518			
Proposed Project		With Mitigation	
3,870	Daily Vehicle Trips	3,595	Daily Vehicle Trips
27,183	Daily VMT	25,266	Daily VMT
9.4	Household VMT per Capita	7.7	Household VMT per Capita
9.1	Work VMT per Employee	7.5	Work VMT per Employee
Significant VMT Impact?			
APC: Central			
Impact Threshold: 15% Below APC Average			
Household = 6.0			
Work = 7.6			
Proposed Project		With Mitigation	
VMT Threshold	Impact	VMT Threshold	Impact
Household > 6.0	Yes	Household > 6.0	Yes
Work > 7.6	Yes	Work > 7.6	No

CITY OF LOS ANGELES VMT CALCULATOR

Report 2: TDM Inputs

Date: November 25, 2019

Project Name: 2143 Violet

Project Scenario: Alternative 3: Reduced Density

Project Address: 2143 E VIOLET ST, 90021



Version 1.2

TDM Strategy Inputs				
Strategy Type	Description	Proposed Project	Mitigations	
Parking	<i>Reduce parking supply</i>	<i>City code parking provision (spaces)</i>	0	
		<i>Actual parking provision (spaces)</i>	0	
	Unbundle parking	Monthly cost for parking (\$)	\$0	\$175
	Parking cash-out	Employees eligible (%)	0%	50%
	Price workplace parking	Daily parking charge (\$)	\$0.00	\$6.00
		Employees subject to priced parking (%)	0%	50%
<i>Residential area parking permits</i>	<i>Cost of annual permit (\$)</i>	\$0	\$0	

(cont. on following page)

CITY OF LOS ANGELES VMT CALCULATOR

Report 2: TDM Inputs

Date: November 25, 2019

Project Name: 2143 Violet

Project Scenario: Alternative 3: Reduced Density

Project Address: 2143 E VIOLET ST, 90021



Version 1.2

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

CITY OF LOS ANGELES VMT CALCULATOR

Report 2: TDM Inputs

Date: November 25, 2019

Project Name: 2143 Violet

Project Scenario: Alternative 3: Reduced Density

Project Address: 2143 E VIOLET ST, 90021



Version 1.2

TDM Strategy Inputs, Cont.				
Strategy Type		Description	Proposed Project	Mitigations
Commute Trip Reductions	Required commute trip reduction program	Employees participating (%)	0%	100%
	<i>Alternative Work Schedules and Telecommute</i>	<i>Employees participating (%)</i>	0%	0%
		<i>Type of program</i>	0	0
	<i>Employer sponsored vanpool or shuttle</i>	<i>Degree of implementation (low, medium, high)</i>	0	0
		<i>Employees eligible (%)</i>	0%	0%
		<i>Employer size (small, medium, large)</i>	0	0
<i>Ride-share program</i>	<i>Employees eligible (%)</i>	0%	0%	
Shared Mobility	Car share	Car share project setting (Urban, Suburban, All Other)	0	Urban + Comprehensive Transit
	<i>Bike share</i>	<i>Within 600 feet of existing bike share station - OR- implementing new bike share station (Yes/No)</i>	0	0
	<i>School carpool program</i>	<i>Level of implementation (Low, Medium, High)</i>	0	0
(cont. on following page)				



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

CITY OF LOS ANGELES VMT CALCULATOR

Report 3: TDM Outputs

Date: November 25, 2019
 Project Name: 2143 Violet
 Project Scenario: Alternative 3: Reduced Density
 Project Address: 2143 E VIOLET ST, 90021



Version 1.2

TDM Adjustments by Trip Purpose & Strategy														
Place type: Suburban Center														
		Home Based Work Production		Home Based Work Attraction		Home Based Other Production		Home Based Other Attraction		Non-Home Based Other Production		Non-Home Based Other Attraction		Source
		Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	
		Parking	Reduce parking supply	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Unbundle parking	0%		21%	0%	0%	0%	21%	0%	0%	0%	0%	0%	0%	
Parking cash-out	0%		0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	
Price workplace parking	0%		0%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	
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%	
Transit	Reduce transit headways	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	TDM Strategy Appendix, Transit sections 1 - 3
	Implement neighborhood shuttle	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Transit subsidies	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Education & Encouragement	Voluntary travel behavior change program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	TDM Strategy Appendix, Education & Encouragement sections 1 - 2
	Promotions and marketing	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Commute Trip Reductions	Required commute trip reduction program	0%	0%	0%	21%	0%	0%	0%	0%	0%	0%	0%	0%	TDM Strategy Appendix, Commute Trip Reductions sections 1 - 4
	Alternative Work Schedules and Telecommute Program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Employer sponsored vanpool or shuttle	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Ride-share program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Shared Mobility	Car-share	0.0%	0.5%	0.0%	0.5%	0.0%	0.5%	0.0%	0.5%	0.0%	0.5%	0.0%	0.5%	TDM Strategy Appendix, Shared Mobility sections 1 - 3
	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%	
	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%	

CITY OF LOS ANGELES VMT CALCULATOR

Report 3: TDM Outputs

Date: November 25, 2019
 Project Name: 2143 Violet
 Project Scenario: Alternative 3: Reduced Density
 Project Address: 2143 E VIOLET ST, 90021



Version 1.2

TDM Adjustments by Trip Purpose & Strategy, Cont.

Place type: Suburban Center

		Home Based Work Production		Home Based Work Attraction		Home Based Other Production		Home Based Other Attraction		Non-Home Based Other Production		Non-Home Based Other Attraction		Source
		Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	
Bicycle Infrastructure	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 Appendix, Bicycle Infrastructure sections 1 - 3
	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%	
	Include secure bike parking and showers	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	
Neighborhood Enhancement	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, Neighborhood Enhancement sections 1 - 2
	Pedestrian network improvements	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	

Final Combined & Maximum TDM Effect

	Home Based Work Production		Home Based Work Attraction		Home Based Other Production		Home Based Other Attraction		Non-Home Based Other Production		Non-Home Based Other Attraction	
	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated
COMBINED TOTAL	3%	24%	3%	28%	3%	24%	3%	4%	3%	4%	3%	4%
MAX. TDM EFFECT	3%	20%	3%	20%	3%	20%	3%	4%	3%	4%	3%	4%

$$= \text{Minimum}(X\%, 1 - [(1-A) * (1-B)...])$$

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.

CITY OF LOS ANGELES VMT CALCULATOR

Report 4: MXD Methodology

Date: November 25, 2019

Project Name: 2143 Violet

Project Scenario: Alternative 3: Reduced Density

Project Address: 2143 E VIOLET ST, 90021



Version 1.2

MXD Methodology - Project Without TDM

	Unadjusted Trips	MXD Adjustment	MXD Trips	Average Trip Length	Unadjusted VMT	MXD VMT
Home Based Work Production	311	-26.0%	230	7.3	2,270	1,679
Home Based Other Production	834	-24.6%	629	5.3	4,420	3,334
Non-Home Based Other Production	647	-10.8%	577	8.1	5,241	4,674
Home-Based Work Attraction	910	-21.6%	713	8.3	7,553	5,918
Home-Based Other Attraction	1,581	-24.3%	1,197	6.5	10,277	7,781
Non-Home Based Other Attraction	731	-10.7%	653	7.2	5,263	4,702

MXD Methodology with TDM Measures

	<i>Proposed Project</i>			<i>Project with Mitigation Measures</i>		
	TDM Adjustment	Project Trips	Project VMT	TDM Adjustment	Mitigated Trips	Mitigated VMT
Home Based Work Production	-3.2%	223	1,625	-20.0%	184	1,343
Home Based Other Production	-3.2%	609	3,227	-20.0%	503	2,667
Non-Home Based Other Production	-3.2%	558	4,523	-3.7%	556	4,501
Home-Based Work Attraction	-3.2%	690	5,727	-20.0%	570	4,734
Home-Based Other Attraction	-3.2%	1,158	7,530	-3.7%	1,153	7,493
Non-Home Based Other Attraction	-3.2%	632	4,551	-3.7%	629	4,528

MXD VMT Methodology Per Capita & Per Employee

Total Population: 518

Total Employees: 628

APC: Central

	<i>Proposed Project</i>	<i>Project with Mitigation Measures</i>
<i>Total Home Based Production VMT</i>	4,852	4,010
<i>Total Home Based Work Attraction VMT</i>	5,727	4,734
<i>Total Home Based VMT Per Capita</i>	9.4	7.7
<i>Total Work Based VMT Per Employee</i>	9.1	7.5

Alternative 3

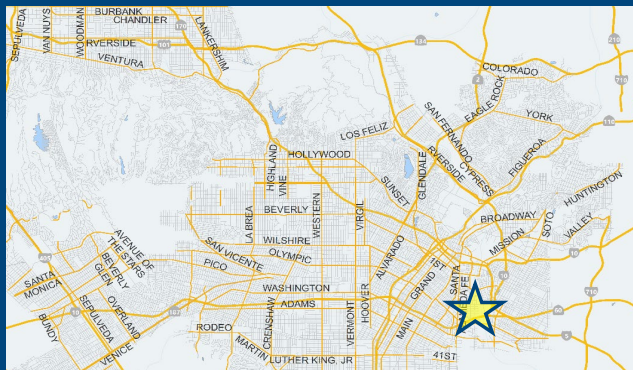
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Project Screening Criteria: Is this project required to conduct a vehicle miles traveled analysis?

Project Information

Project: 2143 Violet
Scenario: Alternative 4: DTLA 2040 CPU Mixed-Use
Address: 2143 E VIOLET ST, 90021



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

Yes No

Existing Land Use

Land Use Type	Value	Unit
Housing Multi-Family	4	DU
Housing Multi-Family	4	DU

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

Proposed Project Land Use

Land Use Type	Value	Unit
Office General Office	140.53	ksf
Housing Multi-Family	245	DU
Retail High-Turnover Sit-Down Restaurant	18.858	ksf
Office General Office	245.452	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
19 Daily Vehicle Trips	5,147 Daily Vehicle Trips
113 Daily VMT	36,710 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. <input type="checkbox"/>	
Tier 2 Screening Criteria	
The net increase in daily trips < 250 trips	5,128 Net Daily Trips
The net increase in daily VMT ≤ 0	36,597 Net Daily VMT
The proposed project consists of only retail land uses ≤ 50,000 square feet total.	18.858 ksf
The proposed project is required to perform VMT analysis.	

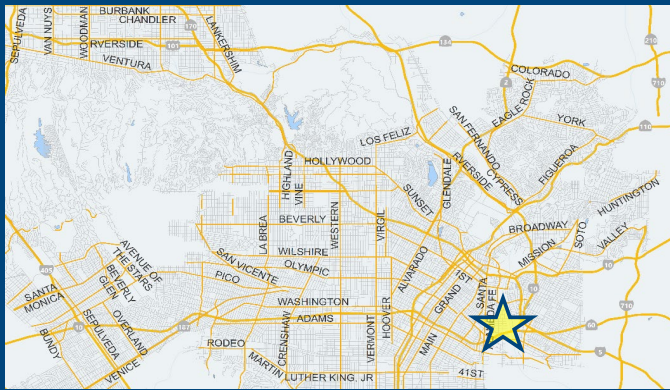


CITY OF LOS ANGELES VMT CALCULATOR Version 1.2



Project Information

Project: 2143 Violet
Scenario: Alternative 4: DTLA 2040 CPU Mixed-Use
Address: 2143 E VIOLET ST, 90021



Proposed Project Land Use Type	Value	Unit
Housing Multi-Family	245	DU
Retail High-Turnover Sit-Down Restaurant	18.858	ksf
Office General Office	245.452	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

Max Home Based TDM Achieved?	Proposed Project	With Mitigation
	No	Yes
Max Work Based TDM Achieved?	No	Yes

A **Parking**

Reduce Parking Supply Proposed Prj Mitigation

city code parking provision for the project site:

actual parking provision for the project site:

Unbundle Parking Proposed Prj Mitigation

monthly parking cost (dollar) for the project site:

Parking Cash-Out Proposed Prj Mitigation

percent of employees eligible:

Price Workplace Parking Proposed Prj Mitigation

daily parking charge (dollar):

percent of employees subject to priced parking:

Residential Area Parking Permits Proposed Prj Mitigation

cost (dollar) of annual permit:

- B** Transit
- C** Education & Encouragement
- D** Commute Trip Reductions
- E** Shared Mobility
- F** Bicycle Infrastructure
- G** Neighborhood Enhancement

Analysis Results

Proposed Project	With Mitigation
4,980 Daily Vehicle Trips	4,619 Daily Vehicle Trips
35,527 Daily VMT	32,926 Daily VMT
9.2 Household VMT per Capita	7.6 Household VMT per Capita
8.8 Work VMT per Employee	7.3 Work VMT per Employee
Significant VMT Impact?	
Household: Yes Threshold = 6.0 15% Below APC	Household: Yes Threshold = 6.0 15% Below APC
Work: Yes Threshold = 7.6 15% Below APC	Work: No Threshold = 7.6 15% Below APC



CITY OF LOS ANGELES VMT CALCULATOR

Report 1: Project & Analysis Overview

Date: November 25, 2019

Project Name: 2143 Violet

Project Scenario: Alternative 4: DTLA 2040 CPU Mixed-Use

Project Address: 2143 E VIOLET ST, 90021



Version 1.2

Project Information			
	Land Use Type	Value	Units
Housing	<i>Single Family</i>	0	DU
	Multi Family	245	DU
	<i>Townhouse</i>	0	DU
	<i>Hotel</i>	0	Rooms
	<i>Motel</i>	0	Rooms
Affordable Housing	<i>Family</i>	0	DU
	<i>Senior</i>	0	DU
	<i>Special Needs</i>	0	DU
	<i>Permanent Supportive</i>	0	DU
Retail	<i>General Retail</i>	0.000	ksf
	<i>Furniture Store</i>	0.000	ksf
	<i>Pharmacy/Drugstore</i>	0.000	ksf
	<i>Supermarket</i>	0.000	ksf
	<i>Bank</i>	0.000	ksf
	<i>Health Club</i>	0.000	ksf
	High-Turnover Sit-Down Restaurant	18.858	ksf
	<i>Fast-Food Restaurant</i>	0.000	ksf
	<i>Quality Restaurant</i>	0.000	ksf
	<i>Auto Repair</i>	0.000	ksf
	<i>Home Improvement</i>	0.000	ksf
	<i>Free-Standing Discount</i>	0.000	ksf
	<i>Movie Theater</i>	0	Seats
Office	General Office	245.452	ksf
	<i>Medical Office</i>	0.000	ksf
Industrial	<i>Light Industrial</i>	0.000	ksf
	<i>Manufacturing</i>	0.000	ksf
	<i>Warehousing/Self-Storage</i>	0.000	ksf
School	<i>University</i>	0	Students
	<i>High School</i>	0	Students
	<i>Middle School</i>	0	Students
	<i>Elementary</i>	0	Students
	<i>Private School (K-12)</i>	0	Students
Other		0	Trips

CITY OF LOS ANGELES VMT CALCULATOR

Report 1: Project & Analysis Overview

Date: November 25, 2019

Project Name: 2143 Violet

Project Scenario: Alternative 4: DTLA 2040 CPU Mixed-Use

Project Address: 2143 E VIOLET ST, 90021



Version 1.2

Analysis Results			
Total Employees: 1,057			
Total Population: 552			
Proposed Project		With Mitigation	
4,980	Daily Vehicle Trips	4,619	Daily Vehicle Trips
35,527	Daily VMT	32,926	Daily VMT
9.2	Household VMT per Capita	7.6	Household VMT per Capita
8.8	Work VMT per Employee	7.3	Work VMT per Employee
Significant VMT Impact?			
APC: Central			
Impact Threshold: 15% Below APC Average			
Household = 6.0			
Work = 7.6			
Proposed Project		With Mitigation	
VMT Threshold	Impact	VMT Threshold	Impact
Household > 6.0	Yes	Household > 6.0	Yes
Work > 7.6	Yes	Work > 7.6	No

CITY OF LOS ANGELES VMT CALCULATOR

Report 2: TDM Inputs

Date: November 25, 2019

Project Name: 2143 Violet

Project Scenario: Alternative 4: DTLA 2040 CPU Mixed-U:

Project Address: 2143 E VIOLET ST, 90021



Version 1.2

TDM Strategy Inputs				
Strategy Type	Description	Proposed Project	Mitigations	
Parking	<i>Reduce parking supply</i>	<i>City code parking provision (spaces)</i>	0	
		<i>Actual parking provision (spaces)</i>	0	
	Unbundle parking	Monthly cost for parking (\$)	\$0	\$175
	Parking cash-out	Employees eligible (%)	0%	50%
	Price workplace parking	Daily parking charge (\$)	\$0.00	\$6.00
		Employees subject to priced parking (%)	0%	50%
<i>Residential area parking permits</i>	<i>Cost of annual permit (\$)</i>	\$0	\$0	

(cont. on following page)

CITY OF LOS ANGELES VMT CALCULATOR

Report 2: TDM Inputs

Date: November 25, 2019

Project Name: 2143 Violet

Project Scenario: Alternative 4: DTLA 2040 CPU Mixed-U:

Project Address: 2143 E VIOLET ST, 90021



Version 1.2

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

CITY OF LOS ANGELES VMT CALCULATOR

Report 2: TDM Inputs

Date: November 25, 2019

Project Name: 2143 Violet

Project Scenario: Alternative 4: DTLA 2040 CPU Mixed-U:

Project Address: 2143 E VIOLET ST, 90021



Version 1.2

TDM Strategy Inputs, Cont.				
Strategy Type		Description	Proposed Project	Mitigations
Commute Trip Reductions	Required commute trip reduction program	Employees participating (%)	0%	100%
	Alternative Work Schedules and Telecommute	Employees participating (%)	0%	0%
		Type of program	0	0
	Employer sponsored vanpool or shuttle	Degree of implementation (low, medium, high)	0	0
		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	Urban + Comprehensive Transit
	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, High)	0	0
(cont. on following page)				

CITY OF LOS ANGELES VMT CALCULATOR

Report 2: TDM Inputs

Date: November 25, 2019

Project Name: 2143 Violet

Project Scenario: Alternative 4: DTLA 2040 CPU Mixed-U:

Project Address: 2143 E VIOLET ST, 90021



Version 1.2

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

CITY OF LOS ANGELES VMT CALCULATOR

Report 3: TDM Outputs

Date: November 25, 2019
 Project Name: 2143 Violet
 Project Scenario: Alternative 4: DTLA 2040 CPU Mixed-Use
 Project Address: 2143 E VIOLET ST, 90021



Version 1.2

TDM Adjustments by Trip Purpose & Strategy														
Place type: Suburban Center														
		Home Based Work Production		Home Based Work Attraction		Home Based Other Production		Home Based Other Attraction		Non-Home Based Other Production		Non-Home Based Other Attraction		Source
		Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	
		Parking	Reduce parking supply	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Unbundle parking	0%		21%	0%	0%	0%	21%	0%	0%	0%	0%	0%	0%	
Parking cash-out	0%		0%	0%	2%	0%	0%	0%	0%	0%	0%	0%	0%	
Price workplace parking	0%		0%	0%	3%	0%	0%	0%	0%	0%	0%	0%	0%	
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%	
Transit	Reduce transit headways	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	TDM Strategy Appendix, Transit sections 1 - 3
	Implement neighborhood shuttle	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Transit subsidies	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Education & Encouragement	Voluntary travel behavior change program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	TDM Strategy Appendix, Education & Encouragement sections 1 - 2
	Promotions and marketing	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Commute Trip Reductions	Required commute trip reduction program	0%	0%	0%	21%	0%	0%	0%	0%	0%	0%	0%	0%	TDM Strategy Appendix, Commute Trip Reductions sections 1 - 4
	Alternative Work Schedules and Telecommute Program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Employer sponsored vanpool or shuttle	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
	Ride-share program	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Shared Mobility	Car-share	0.0%	0.5%	0.0%	0.5%	0.0%	0.5%	0.0%	0.5%	0.0%	0.5%	0.0%	0.5%	TDM Strategy Appendix, Shared Mobility sections 1 - 3
	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%	
	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%	

CITY OF LOS ANGELES VMT CALCULATOR

Report 3: TDM Outputs

Date: November 25, 2019
 Project Name: 2143 Violet
 Project Scenario: Alternative 4: DTLA 2040 CPU Mixed-Use
 Project Address: 2143 E VIOLET ST, 90021



Version 1.2

TDM Adjustments by Trip Purpose & Strategy, Cont.

Place type: Suburban Center

		Home Based Work Production		Home Based Work Attraction		Home Based Other Production		Home Based Other Attraction		Non-Home Based Other Production		Non-Home Based Other Attraction		Source
		Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	
Bicycle Infrastructure	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 Appendix, Bicycle Infrastructure sections 1 - 3
	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%	
	Include secure bike parking and showers	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	0.6%	
Neighborhood Enhancement	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, Neighborhood Enhancement sections 1 - 2
	Pedestrian network improvements	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	

Final Combined & Maximum TDM Effect

	Home Based Work Production		Home Based Work Attraction		Home Based Other Production		Home Based Other Attraction		Non-Home Based Other Production		Non-Home Based Other Attraction	
	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated	Proposed	Mitigated
COMBINED TOTAL	3%	24%	3%	28%	3%	24%	3%	4%	3%	4%	3%	4%
MAX. TDM EFFECT	3%	20%	3%	20%	3%	20%	3%	4%	3%	4%	3%	4%

$$= \text{Minimum}(X\%, 1 - [(1-A) * (1-B)...])$$

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.

CITY OF LOS ANGELES VMT CALCULATOR

Report 4: MXD Methodology

Date: November 25, 2019

Project Name: 2143 Violet

Project Scenario: Alternative 4: DTLA 2040 CPU Mixed-Us

Project Address: 2143 E VIOLET ST, 90021



Version 1.2

MXD Methodology - Project Without TDM

	Unadjusted Trips	MXD Adjustment	MXD Trips	Average Trip Length	Unadjusted VMT	MXD VMT
Home Based Work Production	332	-28.3%	238	7.3	2,424	1,737
Home Based Other Production	888	-25.0%	666	5.3	4,706	3,530
Non-Home Based Other Production	841	-10.9%	749	8.1	6,812	6,067
Home-Based Work Attraction	1,475	-21.5%	1,158	8.3	12,243	9,611
Home-Based Other Attraction	1,999	-24.6%	1,507	6.5	12,994	9,796
Non-Home Based Other Attraction	930	-10.9%	829	7.2	6,696	5,969

MXD Methodology with TDM Measures

	<i>Proposed Project</i>			<i>Project with Mitigation Measures</i>		
	TDM Adjustment	Project Trips	Project VMT	TDM Adjustment	Mitigated Trips	Mitigated VMT
Home Based Work Production	-3.2%	230	1,681	-20.0%	190	1,390
Home Based Other Production	-3.2%	644	3,416	-20.0%	533	2,824
Non-Home Based Other Production	-3.2%	725	5,872	-3.7%	721	5,842
Home-Based Work Attraction	-3.2%	1,121	9,301	-20.0%	926	7,689
Home-Based Other Attraction	-3.2%	1,458	9,480	-3.7%	1,451	9,433
Non-Home Based Other Attraction	-3.2%	802	5,777	-3.7%	798	5,748

MXD VMT Methodology Per Capita & Per Employee

Total Population: 552

Total Employees: 1,057

APC: Central

	<i>Proposed Project</i>	<i>Project with Mitigation Measures</i>
<i>Total Home Based Production VMT</i>	5,097	4,214
<i>Total Home Based Work Attraction VMT</i>	9,301	7,689
<i>Total Home Based VMT Per Capita</i>	9.2	7.6
<i>Total Work Based VMT Per Employee</i>	8.8	7.3