



# Golden Gate Park Traffic Study

February 2022

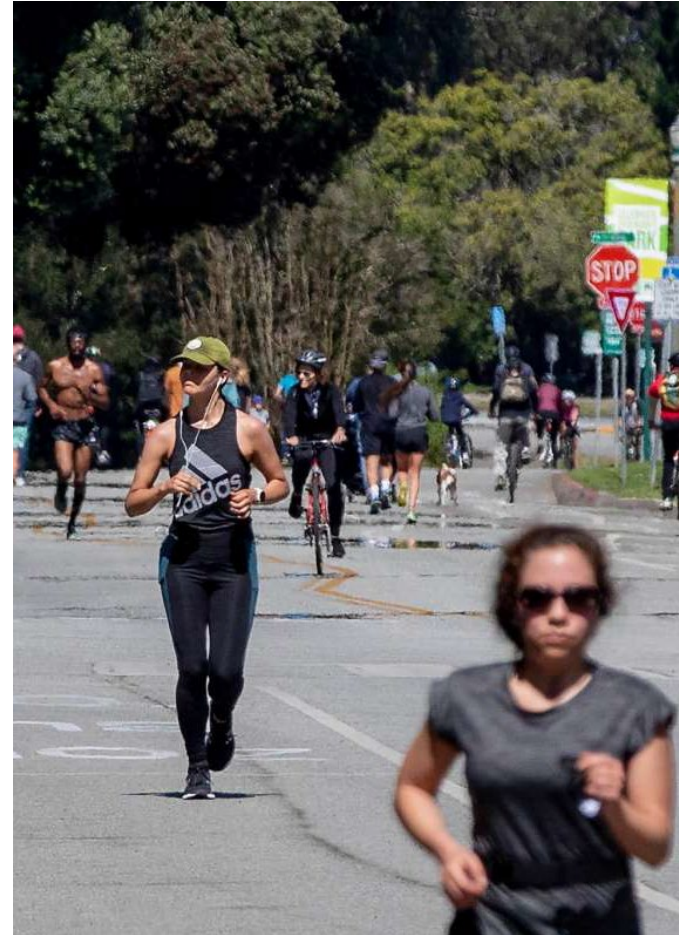
# Question

How have auto travel times changed since JFK Drive and other Golden Gate Park streets were closed to cars?



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3. East-West Travel Analysis
4. Traffic Volume & Capacity
5. 2019 Weekend Travel Time Comparison





# 1. Methodology

# Methodology

## ORIGIN - DESTINATION ANALYSIS

- 1 Pre-pandemic, where were Golden Gate Park drivers coming from and going to?
- 2 Which trips were most affected by car-free Golden Gate Park streets?

## TRAVEL TIME ANALYSIS

- 3 How have travel times for these trips changed?
- 4 How did travel times compare on 2019 weekend days during different weekend day operations?

# What are Origins and Destinations?



## ORIGIN

Where a trip **begins**



## ROUTE

The **path** taken between an origin and a destination



## DESTINATION

Where a trip **ends**

# Three Key Variables for Analysis



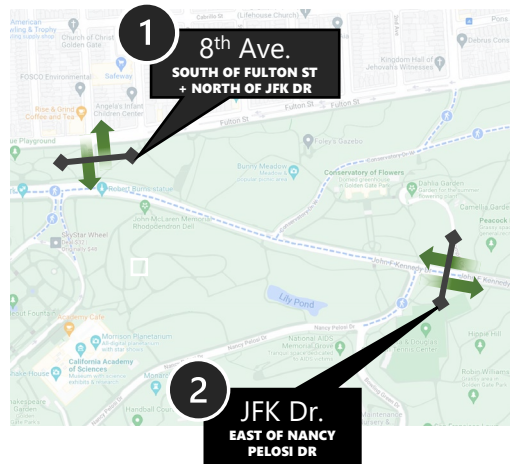
## GEOGRAPHY

SF Planning Districts



## STUDY LOCATIONS

Two Screenlines



## TIME PERIODS

WEEKDAY  
DAILY (24h)

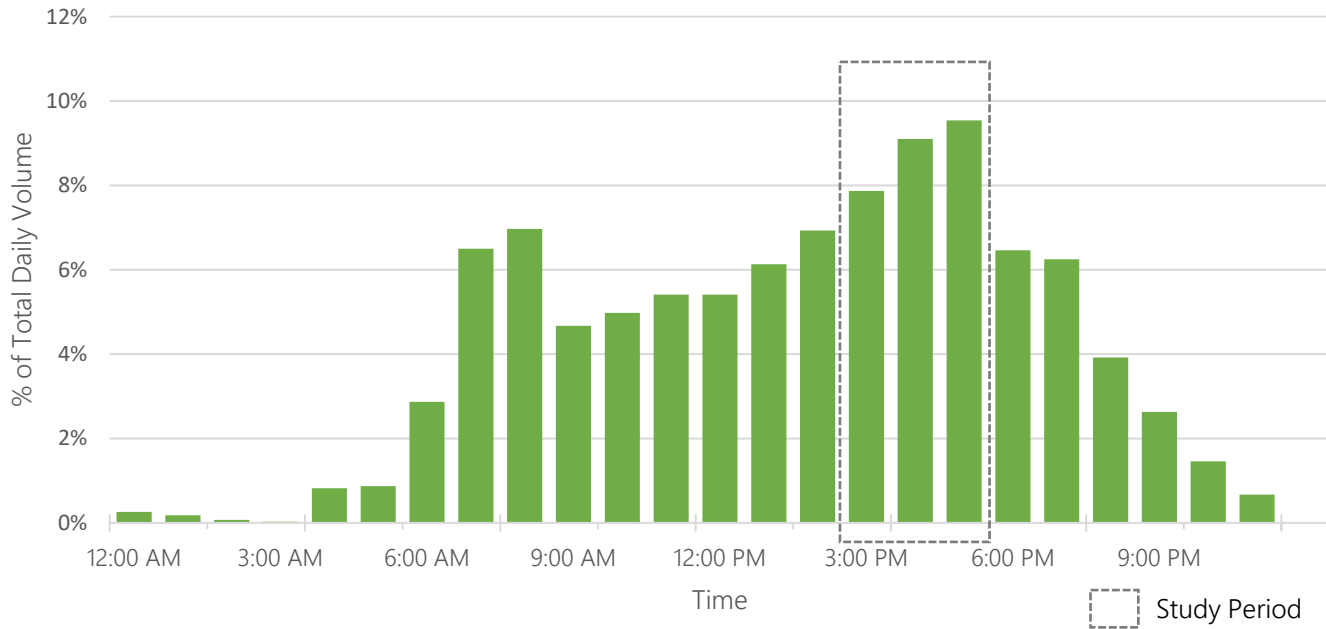
## SCENARIOS

Sept-Oct 2019  
PRE-COVID

Sept-Oct 2021  
CURRENT

# Selecting an Analysis Time Period

24-Hour Average Weekday Traffic Volumes  
Representative O-D Pair: Richmond District to Inner Sunset – Fall 2021





# Data Source

## RAW DATA ORIGIN

- **Location-based services (LBS)** data from apps that require user locations

## PRIVACY

- Users must **opt-in** to LBS
- Big data vendor purchases **anonymized** LBS data and aggregates it into **travel patterns**

## ANALYSIS TIME PERIOD

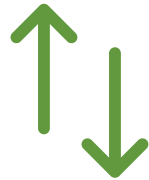
- Travel pattern data for a two-month period





#### KEY FINDING

Between Fall 2019 and Fall 2021, travel times **decreased** for **three of the four** cross-park origin-destination pairs in the Richmond and Inner Sunset.

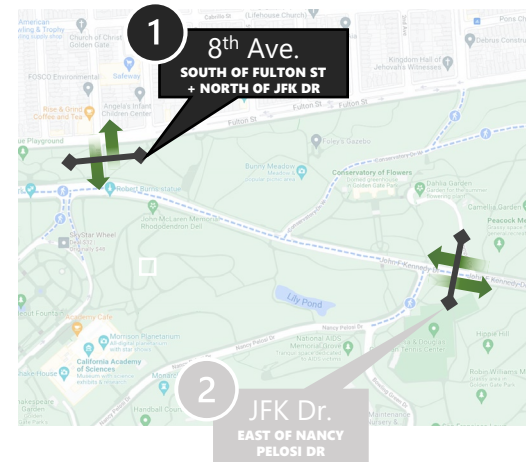


## 2. North-South Travel Analysis

# Study Location 1

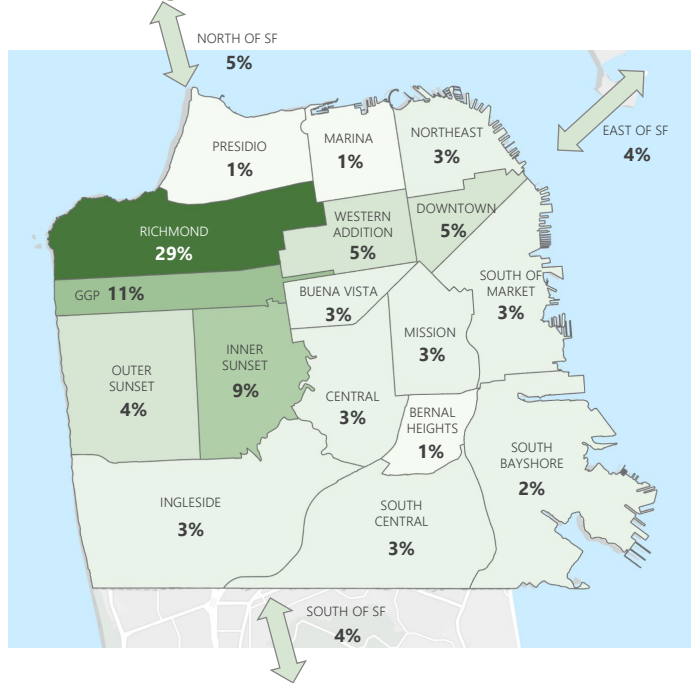
Screenline 1 captures **north-south** trips that used 8<sup>th</sup> Avenue between Fulton Street and JFK Drive.

On a typical weekday in fall **2019**, approximately **12,500** vehicles crossed this screenline.



# Top Origins for Trips on 8th Avenue South of Fulton

## Fall 2019



HIGH



LOW

Trip Origins

### TOP FIVE TRIP ORIGIN ZONES

Richmond	3,600	29 %
Golden Gate Park	1,300	11 %
Inner Sunset	1,100	9 %
Western Addition	600	5 %
Downtown	600	5 %

**REMAINING 15 ZONES** *each zone is less than 5% total volume*

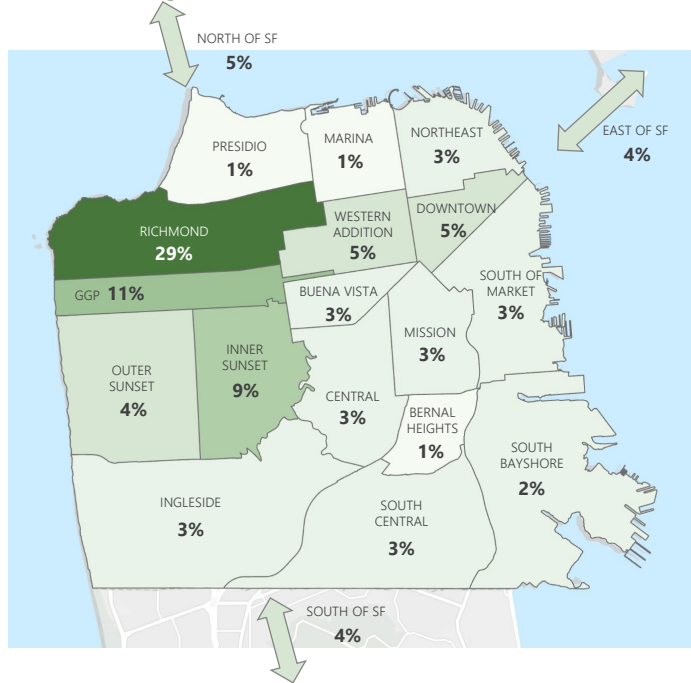
Other 5,400

### TOTAL DAILY TRAFFIC VOLUME

12,500

# Top Origins for Trips on 8th Avenue South of Fulton

## Fall 2019



HIGH



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Trip Origins

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Richmond	3,600	29 %
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**REMAINING 15 ZONES** *each zone is less than 5% total volume*

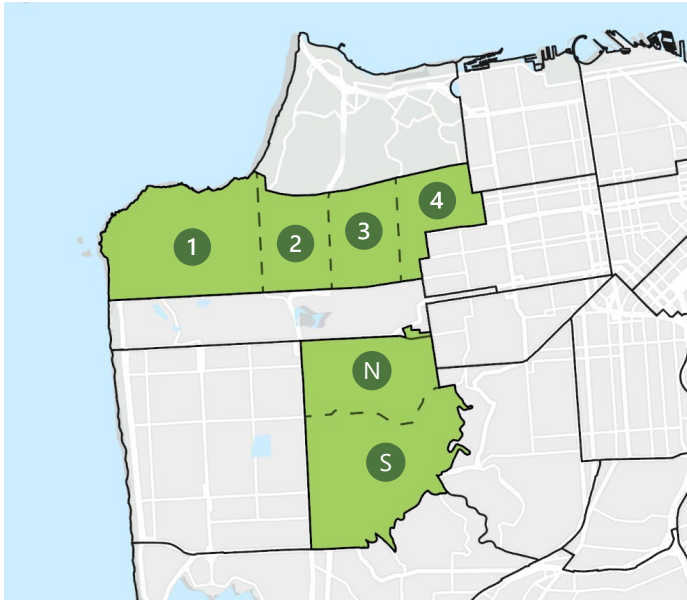
Other 5,400

### TOTAL DAILY TRAFFIC VOLUME

12,500

# Top Origins for Trips on 8th Avenue South of Fulton

Fall 2019, Richmond – Inner Sunset

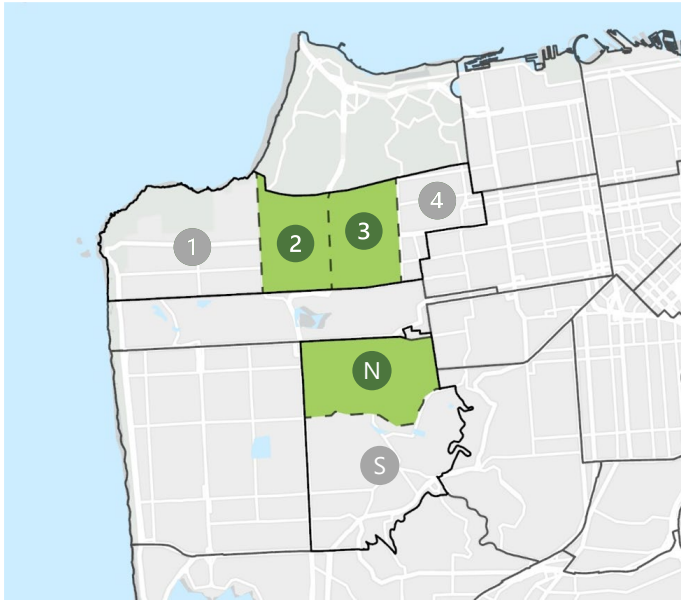


## SUBAREA FOCUS

Richmond	3,600	29 %
Subarea 1	650	5 %
Subarea 2	850	7 %
Subarea 3	1,900	15 %
Subarea 4	200	2 %
Inner Sunset	1,100	9 %
North Inner Sunset	800	7 %
South Inner Sunset	300	2 %

# Top Origins for Trips on 8th Avenue South of Fulton

Fall 2019, Richmond – Inner Sunset

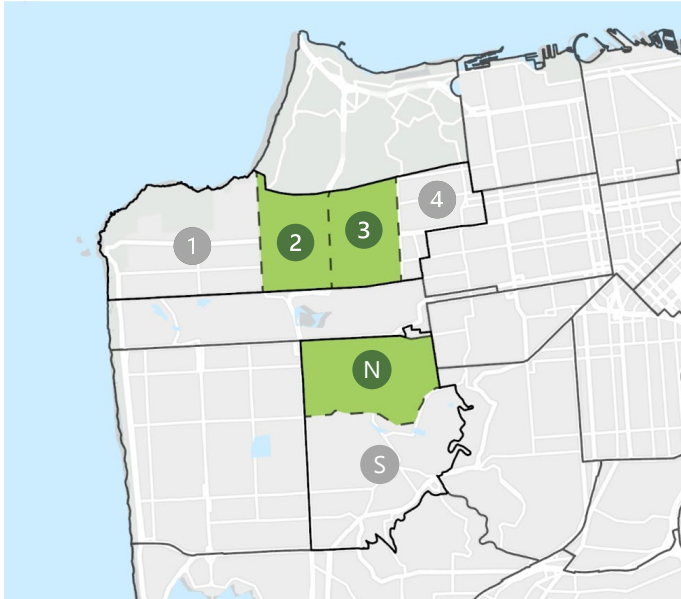


## SUBAREA FOCUS

Richmond	3,600	29 %
Subarea 1	650	5 %
Subarea 2	850	7 %
Subarea 3	1,900	15 %
Subarea 4	200	2 %
Inner Sunset	1,100	9 %
North Inner Sunset	800	7 %
South Inner Sunset	300	2 %

# Median Travel Time Changes Fall 2019 to Fall 2021

## Richmond - Inner Sunset



DESTINATIONS

ORIGINS

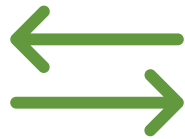
	RICHMOND Subarea 2	RICHMOND Subarea 3	N. Inner Sunset
RICHMOND Subarea 2	<i>Not cross-park trips</i>		
RICHMOND Subarea 3	<i>Not cross-park trips</i>		
N. Inner Sunset	- 3 MINUTES	+1.5 MINUTES	- 4.5 MINUTES





#### KEY FINDING

Between Fall 2019 and Fall 2021, travel times **decreased** for **nine of the top ten** origin-destination pairs that used JFK Drive at Nancy Pelosi Drive.

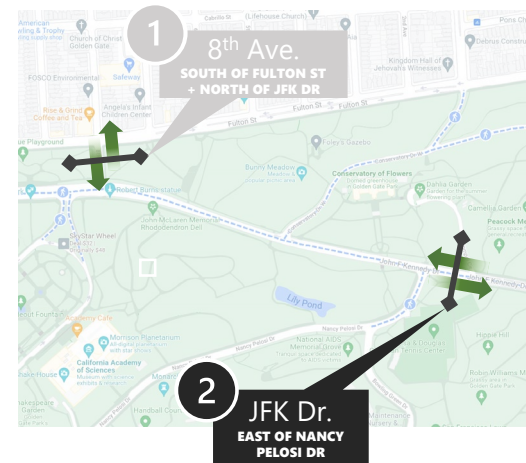


### 3. East-West Travel Analysis

# Study Location 2

Screenline 2 captures **east-west** trips that used JFK Drive east of Nancy Pelosi Drive.

On a typical weekday in fall **2019**, approximately **8,700** vehicles crossed this screenline.



# Origin-Destination Pairs for All Trips on JFK Drive East of Nancy Pelosi Drive

Fall 2019

ORIGINS	DESTINATIONS																			
	Bernal Heights	Buena Vista	Central	Downtown	Golden Gate Park	Ingleside	Inner Sunset	Marina	Mission	Northeast	Outer Sunset	Presidio	Richmond	East of SF	North of SF	South of SF	South Bayshore	South Central	South of Market	Western Addition
Bernal Heights	1	1	0	5	11	0	0	0	0	1	4	0	41	2	9	0	0	2	0	0
Buena Vista	3	7	1	5	191	15	21	5	6	1	83	8	217	5	60	21	0	9	1	5
Central	0	4	5	22	51	4	11	0	7	0	11	11	92	9	25	4	3	1	0	16
Downtown	1	7	6	14	109	21	61	13	6	25	223	16	211	21	31	66	1	5	11	18
Golden Gate Park	10	251	84	113	225	27	58	22	85	47	43	6	119	115	28	68	26	12	82	245
Ingleside	0	7	0	8	13	4	1	3	10	4	3	2	41	12	1	13	3	1	24	37
Inner Sunset	0	18	3	34	84	4	3	10	8	29	12	2	80	22	6	10	0	3	18	89
Marina	0	4	16	11	47	8	27	6	0	3	58	0	27	11	2	17	0	0	8	9
Mission	3	13	4	13	114	11	26	11	14	14	84	17	451	16	59	21	36	6	9	14
Northeast	0	0	9	14	123	10	30	10	20	10	75	7	58	11	8	27	0	0	9	9
Outer Sunset	0	71	12	146	31	8	12	9	79	43	23	7	17	48	0	20	2	1	71	112
Presidio	0	10	11	2	7	3	9	3	21	9	4	0	1	3	3	3	6	1	9	9
Richmond	45	286	134	173	194	94	149	13	287	40	46	9	84	367	10	140	95	69	379	164
East of SF	0	16	9	24	197	6	17	9	10	14	107	26	519	0	40	79	0	6	18	20
North of SF	17	89	64	20	37	8	118	10	55	7	9	2	15	16	0	35	26	6	33	17
South of SF	0	30	14	53	70	17	16	24	25	25	22	4	177	54	37	0	6	1	38	64
South Bayshore	2	0	0	15	37	4	4	0	0	5	23	8	83	8	36	28	10	2	7	13
South Central	0	3	1	2	13	0	0	7	6	4	1	0	32	4	6	5	0	4	5	13
South of Market	1	13	8	13	92	32	43	7	60	3	104	8	472	15	27	45	0	5	18	12
Western Addition	3	16	16	19	324	116	157	7	9	21	331	15	193	14	61	128	2	7	5	31

# Top 10 Origin-Destination Pairs for Trips on JFK Drive East of Nancy Pelosi Drive

Fall 2019

		DESTINATIONS																			
		Bernal Heights	Buena Vista	Central	Downtown	Golden Gate Park	Ingleside	Inner Sunset	Marina	Mission	Northeast	Outer Sunset	Presidio	Richmond	East of SF	North of SF	South of SF	South Bayshore	South Central	South of Market	Western Addition
ORIGINS	Bernal Heights	1	1	0	5	11	0	0	0	0	1	4	0	41	2	9	1	0	0	2	0
	Buena Vista	3	7	1	5	191	15	21	5	6	1	83	8	217	5	60	21	0	9	1	5
	Central	0	4	5	22	51	4	11	0	7	0	11	11	92	9	25	4	3	1	0	16
	Downtown	1	7	6	14	109	21	61	13	6	25	223	16	211	21	31	66	1	5	11	18
	Golden Gate Park	10	251	84	113	225	27	58	22	85	47	43	6	119	115	28	68	26	12	82	245
	Ingleside	0	7	0	8	13	4	1	3	10	4	3	2	41	12	1	13	3	1	24	37
	Inner Sunset	0	18	3	34	84	4	3	10	8	29	12	2	80	22	6	10	0	3	18	89
	Marina	0	4	16	11	47	8	27	6	0	3	58	0	27	11	2	17	0	0	8	9
	Mission	3	13	4	13	114	11	26	11	14	14	84	17	451	16	59	21	36	6	9	14
	Northeast	0	0	9	14	123	10	30	10	20	10	75	7	58	11	8	27	0	0	9	9
Outer Sunset	0	71	12	146	31	8	12	9	79	43	23	7	17	48	0	20	2	1	71	112	
Presidio	0	10	11	2	7	3	9	3	21	9	4	0	1	3	3	3	6	1	9	9	
Richmond	45	286	134	173	194	94	149	13	287	40	46	9	84	367	10	140	95	69	379	164	
East of SF	0	16	9	24	197	6	17	9	10	14	107	26	519	0	40	79	0	6	18	20	
North of SF	17	89	64	20	37	8	118	10	55	7	9	2	15	16	0	35	26	6	33	17	
South of SF	0	30	14	53	70	17	16	24	25	25	22	4	177	54	37	0	6	1	38	64	
South Bayshore	2	0	0	15	37	4	4	0	0	5	23	8	83	8	36	28	10	2	7	13	
South Central	0	3	1	2	13	0	0	7	6	4	1	0	32	4	6	5	0	4	5	13	
South of Market	1	13	8	13	92	32	43	7	60	3	104	8	472	15	27	45	0	5	18	12	
Western Addition	3	16	16	19	324	116	157	7	9	21	331	15	193	14	61	128	2	7	5	31	

# Top 10 Origin-Destination Pairs for Trips on JFK Drive East of Nancy Pelosi Drive

Fall 2019

		DESTINATIONS																			
		Bernal Heights	Buena Vista	Central	Downtown	Golden Gate Park	Ingleside	Inner Sunset	Marina	Mission	Northeast	Outer Sunset	Presidio	Richmond	East of SF	North of SF	South of SF	South Bayshore	South Central	South of Market	Western Addition
ORIGINS	Bernal Heights	1	1	0	5	11	0	0	0	0	1	4	0	41	2	9	1	0	0	2	0
	Buena Vista	3	7	1	5	191	15	21	5	6	1	83	8	217	5	60	21	0	9	1	5
	Central	0	4	5	23	51	4	11	0	7	0	11	11	92	9	25	4	3	1	0	16
	Downtown	1	7	6							25	223	16	211	21	31	66	1	5	11	18
	Golden Gate Park	10	251	84	17						47	43	6	119	115	28	68	26	12	82	245
	Ingleside	0	7	0							4	3	2	41	12	1	13	3	1	24	37
	Inner Sunset	0	18	3	3						29	12	2	80	22	6	10	0	3	18	89
	Marina	0	4	16	7						3	58	0	27	11	2	17	0	0	8	9
	Mission	3	13	4	13	114	11	26	1	1	14	84	17	451	16	59	21	36	6	9	14
	Northeast	0	0	9	14	123	10	30	10	20		75	7	58	11	8	27	0	0	9	9
Outer Sunset	0	71	12	146	31	8	12	9	79	43	23	7	17	48	0	20	2	1	71	112	
Presidio	0	10	11	2	7	3	9	3	21	9	4	0	1	3	3	3	6	1	9	9	
Richmond	45	286	134	173	194	94	149	13	287	40	46	9	84	367	10	140	95	69	379	164	
East of SF	0	16	9	24	197	6	17	9	10	14	107	26	519	0	40	79	0	6	18	20	
North of SF	17	89	64	20	37	8	118	10	55	7	9	2	15	16	0	35	26	6	33	17	
South of SF	0	30	14	53	70	17	16	24	25	25	22	4	177	54	37	0	6	1	38	64	
South Bayshore	2	0	0	15	37	4	4	0	0	5	23	8	83	8	36	28	10	2	7	13	
South Central	0	3	1	2	13	0	0	7	6	4	1	0	32	4	6	5	0	4	5	13	
South of Market	1	13	8	13	92	32	43	7	60	3	104	8	472	15	27	45	0	5	18	12	
Western Addition	3	16	16	19	324	116	157	7	9	21	331	15	193	14	61	128	2	7	5	31	

7 of the top 10 pairs include an origin or destination in the Richmond

# Median Travel Time Changes for Top 10 Origin-Destination Pairs (Percentage)

Fall 2019 to Fall 2021

		DESTINATIONS																				
		Bernal Heights	Buena Vista	Central	Downtown	Golden Gate Park	Ingleside	Inner Sunset	Marina	Mission	Northeast	Outer Sunset	Presidio	Richmond	East of SF	North of SF	South of SF	South Bayshore	South Central	South of Market	Western Addition	
ORIGINS	Bernal Heights	-19%		-15%	-21%																	
	Buena Vista	+3%	-11%	-13%	+2%	-7%	-13%	-11%	+2%	-8%	-19%	-15%	+2%	-4%	-6%	-12%	-3%	+2%	-9%	+1%	-2%	
	Central	-12%	-11%	-7%	-1%	+5%	-5%	-7%	+0%	-4%	-10%	-18%	-23%	-6%	-7%	-2%	-14%	-5%	-2%	-6%	-8%	
	Downtown	-12%	-10%	-11%	-12%	-11%	-26%	-15%	-24%	-9%	-16%	-12%	-23%	-18%	-9%	-25%	-25%	-15%	-13%	-16%	-19%	
	Golden Gate Park		-17%	-2%	-7%	-4%	-7%	-6%	-15%	-18%	-15%	-1%	-11%	-10%	+1%	-5%	-2%	-6%	+11%	+7%	-0%	
	Ingleside	-14%	-9%	-4%	-14%	-2%	-9%	-5%	-14%	-13%	-9%	-13%	-10%	-10%	-14%	+3%	-16%	-10%	-9%	-13%	-7%	
	Inner Sunset	-7%	-4%	-5%	-14%	-3%	-3%	-9%	-6%	-11%	-11%	-15%	+20%	-5%	-5%	-12%	-5%	-12%	-3%	-10%	-17%	
	Marina	-12%	-9%	-11%	-5%	-11%	-10%	+10%	-6%	-9%	-15%	-4%	-17%	-10%	-13%	-22%	-10%	+3%	-3%	-5%	-13%	
	Mission	-5%	-11%	-12%	-8%	-8%	-20%	-14%	-3%	-9%	-16%	-20%	+8%	-5%	-11%	-19%	-13%	-12%	-15%	-18%	-18%	
	Northeast	+14%	-12%	-9%	+0%	+2%	-8%	-4%	-9%	-9%	-13%	-10%	-15%	-14%	-17%	-21%	-16%	-15%	-14%	-11%	-15%	
	Outer Sunset	-25%	-6%	-10%	-12%	-2%	-13%	-13%	-5%	-8%	-10%	-12%	-11%	-6%	-2%	-14%	-4%	-3%	+3%	-6%	-14%	
	Presidio	-9%	+26%	-14%	-10%	-5%	+2%	-0%	-4%	+12%	-6%	+2%	-10%	-4%	+3%	-20%	+0%	+0%		+5%	-15%	
	Richmond	-0%	-4%	+1%	-10%	-0%	-3%	+1%	-7%	-8%	-8%	-6%	+5%	-10%	-6%	-14%	+3%	+2%	-1%	+1%	-7%	
	East of SF	-34%	-16%	-24%	-26%	-12%	-31%	-14%	-25%	-24%	-21%	-20%	-10%	-18%		-31%	-34%	-23%	-15%	-6%	-19%	
	North of SF		-11%	+1%	-6%	-14%	+3%	-0%	-9%	+3%	-9%	+1%	-15%	-17%	-1%		+6%	-0%	-1%	-4%	-7%	
	South of SF	-29%	-6%	-10%	-24%	+3%	-20%	-13%	-14%	-17%	-20%	-13%	-8%	-10%	-16%	-4%		-14%	-15%	-15%	-15%	
	South Bayshore	+8%	-2%	-8%	-21%	-7%	-12%	-10%	-25%	-5%	-16%	-11%		-10%	-14%	-20%	-9%	-11%	-8%	-21%	-18%	
	South Central	-8%	-21%	-12%	-20%	-13%	-5%	-11%	-16%	-7%	-15%	-12%		-3%	-11%	-2%	+3%	-9%	-11%	-23%	-5%	
	South of Market	-21%	-17%	-17%	-12%	+13%	-18%	-15%	-19%	-18%	-10%	-22%	+6%	-24%	+5%	-18%	-29%	-12%	-20%	-10%	-15%	
	Western Addition	-6%	-2%	-1%	-11%	-1%	-5%	-4%	-5%	-8%	-12%	-8%	+4%	-12%	-17%	-15%	-8%	-7%	-3%	-7%	-6%	

# Median Travel Time Changes for Top 10 Origin-Destination Pairs (Minutes)

Fall 2019 to Fall 2021

	DESTINATIONS																			
	Bernal Heights	Buena Vista	Central	Downtown	Golden Gate Park	Ingleside	Inner Sunset	Marina	Mission	Northeast	Outer Sunset	Presidio	Richmond	East of SF	North of SF	South of SF	South Bayshore	South Central	South of Market	Western Addition
Bernal Heights	-2.4	-2.7	-7.5	-3.1	+0.0	-3.3	-5.1	-4.8	-1.3	-1.9	-3.4	-0.6	-3.8	-3.2	+0.2	-0.3	-2.0	-4.7	-2.7	-2.0
Buena Vista	+0.7	-1.7	-2.3	+0.5	-1.6	-4.4	-2.1	+0.4	-1.7	-6.5	-4.5	+0.6	-1.3	-1.9	-3.4	-0.9	+0.6	-3.2	+0.2	-0.3
Central	-2.4	-2.0	-0.9	-0.4	+1.4	-1.3	-1.3	+0.0	-0.8	-3.9	-5.6	-9.5	-2.7	-2.7	-0.7	-2.3	-1.6	-0.5	-1.9	-2.0
Downtown	-4.1	-2.6	-3.4	-2.1	-4.2	-11.7	-5.8	-7.0	-2.2	-3.6	-6.0	-9.2	-6.3	-1.6	-8.4	-6.9	-5.7	-4.9	-3.7	-4.7
Golden Gate Park		<b>-3.5</b>	-0.5	-2.5	-0.7	-1.9	-1.1	-4.6	-7.1	-6.4	-0.2	-2.5	-1.7	+0.6	-1.0	-0.5	-2.3	+4.1	+2.5	-0.0
Ingleside	-3.3	-3.1	-1.0	-5.9	-0.4	-1.4	-0.9	-6.4	-4.4	-4.4	-2.7	-4.5	-3.5	-6.3	+0.9	-1.8	-2.9	-2.0	-4.7	-2.7
Inner Sunset	-3.0	-0.9	-1.1	-5.2	-0.7	-0.6	-1.3	-2.0	-3.3	-4.7	-3.0	+5.6	-1.2	-2.1	-2.9	-1.3	-4.9	-1.1	-4.1	-4.6
Marina	-5.3	-2.4	-3.9	-1.5	-3.5	-4.8	+3.3	-0.9	-3.1	-3.2	-1.6	-2.8	-2.4	-4.9	-3.1	-3.9	+1.2	-1.3	-2.0	-2.5
Mission	-0.9	-2.6	-2.4	-1.9	-2.8	-6.6	-4.4	-0.9	-1.4	-5.5	-8.4	+3.6	<b>-2.3</b>	-3.2	-7.0	-2.3	-3.1	-4.1	-3.9	-5.0
Northeast	+5.5	-4.2	-4.0	+0.0	+0.8	-4.1	-1.9	-1.7	-3.3	-2.5	-4.7	-4.4	-5.3	-4.9	-4.8	-6.3	-7.0	-7.0	-3.4	-4.2
Outer Sunset	-9.7	-1.7	-2.9	-5.1	-0.3	-2.7	-2.3	-1.5	-3.1	-4.3	-1.6	-3.7	-1.3	-1.0	-3.3	-0.7	-1.5	+1.0	-2.7	-4.5
Presidio	-4.6	+7.0	-5.7	-4.0	-1.1	+0.9	-0.0	-0.8	+5.0	-1.9	+0.5	-1.6	-0.9	+1.2	-1.9	+0.1	+0.1		+2.5	-3.8
Richmond	-0.2	<b>-1.2</b>	+0.1	-4.1	-0.1	-1.0	+0.3	-1.2	<b>-3.1</b>	-3.0	-1.8	+0.9	-1.7	<b>-2.7</b>	-1.9	+0.8	+0.6	-0.6	<b>+0.5</b>	-1.4
East of SF	-9.6	-4.6	-7.6	-5.6	-4.0	-10.9	-5.4	-8.3	-5.8	-4.8	-8.6	-3.9	<b>-6.9</b>		-14.8	-6.4	-5.7	-4.2	-1.3	-5.7
North of SF		-3.2	+0.4	-2.0	-2.8	+0.9	-0.1	-1.3	+1.2	-2.4	+0.3	-1.6	-2.7	-0.6		+1.7	-0.0	-0.5	-1.8	-1.7
South of SF	-3.5	-1.6	-1.8	-7.8	+0.7	-2.4	-2.6	-5.5	-3.5	-7.8	-2.8	-3.1	-3.1	-4.7	-1.1		-1.7	-1.1	-3.5	-5.1
South Bayshore	+1.4	-0.6	-2.4	-9.0	-2.8	-3.5	-4.0	-11.6	-1.1	-7.0	-4.4		-4.3	-5.0	-9.7	-1.2	-1.6	-1.7	-5.7	-7.5
South Central	-1.5	-7.4	-2.7	-8.4	-5.2	-1.0	-3.2	-7.6	-1.9	-7.2	-4.1		-1.3	-4.1	-0.7	+0.2	-1.8	-1.6	-7.3	-2.0
South of Market	-5.6	-5.4	-5.5	-2.3	+5.0	-6.3	-5.7	-6.7	-3.9	-2.7	-10.3	+2.4	<b>-11.1</b>	+0.7	-7.4	-5.4	-3.0	-5.8	-1.7	-5.0
Western Addition	-2.0	-0.4	-0.2	-2.5	<b>-0.1</b>	-1.9	-1.2	-1.0	-2.0	-3.0	<b>-2.5</b>	+0.8	-2.6	-6.2	-3.3	-2.4	-2.6	-1.2	-2.1	-0.9

# Median Travel Time Changes for All Origin-Destination Pairs (Percentage)

Fall 2019 to Fall 2021

	DESTINATIONS																			
	Bernal Heights	Buena Vista	Central	Downtown	Golden Gate Park	Ingleside	Inner Sunset	Marina	Mission	Northeast	Outer Sunset	Presidio	Richmond	East of SF	North of SF	South of SF	South Bayshore	South Central	South of Market	Western Addition
Bernal Heights	-19%	n/a	-15%	-21%	n/a	-14%	+0%	n/a	-18%	-11%	-14%	n/a	n/a	-15%	-9%	-11%	-18%	-18%	-2%	-12%
Buena Vista	+3%	-11%	-13%	+2%	-7%	-13%	-11%	+2%	-8%	-19%	-15%	+2%	-4%	-6%	-12%	-3%	+2%	-9%	+1%	-2%
Central	-12%	-11%	-7%	-1%	+5%	-5%	-7%	+0%	-4%	-10%	-18%	-23%	-6%	-7%	-2%	-14%	-5%	-2%	-6%	-8%
Downtown	-12%	-10%	-11%	-12%	-11%	-26%	-15%	-24%	-9%	-16%	-12%	-23%	-18%	-9%	-25%	-25%	-15%	-13%	-16%	-19%
Golden Gate Park	n/a	-17%	-2%	-7%	-4%	-7%	-6%	-15%	-18%	-15%	-1%	-11%	-10%	+1%	-5%	-2%	-6%	+11%	+7%	-0%
Ingleside	-14%	-9%	-4%	-14%	-2%	-9%	-5%	-14%	-13%	-9%	-13%	-10%	-10%	-14%	+3%	-16%	-10%	-9%	-13%	-7%
Inner Sunset	-7%	-4%	-5%	-14%	-3%	-3%	-9%	-6%	-11%	-11%	-15%	+20%	-5%	-5%	-12%	-5%	-12%	-3%	-10%	-17%
Marina	-12%	-9%	-11%	-5%	-11%	-10%	+10%	-6%	-9%	-15%	-4%	-17%	-10%	-13%	-22%	-10%	+3%	-3%	-5%	-13%
Mission	-5%	-11%	-12%	-8%	-8%	-20%	-14%	-3%	-9%	-16%	-20%	+8%	-5%	-11%	-19%	-13%	-12%	-15%	-18%	-18%
Northeast	+14%	-12%	-9%	+0%	+2%	-8%	-4%	-9%	-9%	-13%	-10%	-15%	-14%	-17%	-21%	-16%	-15%	-14%	-11%	-15%
Outer Sunset	-25%	-6%	-10%	-12%	-2%	-13%	-13%	-5%	-8%	-10%	-12%	-11%	-6%	-2%	-14%	-4%	-3%	+3%	-6%	-14%
Presidio	-9%	+26%	-14%	-10%	-5%	+2%	-0%	-4%	+12%	-6%	+2%	-10%	-4%	+3%	-20%	+0%	+0%	n/a	+5%	-15%
Richmond	-0%	-4%	+1%	-10%	-0%	-3%	+1%	-7%	-8%	-8%	-6%	+5%	-10%	-6%	-14%	+3%	+2%	-1%	+1%	-7%
East of SF	-34%	-16%	-24%	-26%	-12%	-31%	-14%	-25%	-24%	-21%	-20%	-10%	-18%	n/a	-31%	-34%	-23%	-15%	-6%	-19%
North of SF	n/a	-11%	+1%	-6%	-14%	+3%	-0%	-9%	+3%	-9%	+1%	-15%	-17%	-1%	n/a	+6%	-0%	-1%	-4%	-7%
South of SF	-29%	-6%	-10%	-24%	+3%	-20%	-13%	-14%	-17%	-20%	-13%	-8%	-10%	-16%	-4%	n/a	-14%	-15%	-15%	-15%
South Bayshore	+8%	-2%	-8%	-21%	-7%	-12%	-10%	-25%	-5%	-16%	-11%	n/a	-10%	-14%	-20%	-9%	-11%	-8%	-21%	-18%
South Central	-8%	-21%	-12%	-20%	-13%	-5%	-11%	-16%	-7%	-15%	-12%	n/a	-3%	-11%	-2%	+3%	-9%	-11%	-23%	-5%
South of Market	-21%	-17%	-17%	-12%	+13%	-18%	-15%	-19%	-18%	-10%	-22%	+6%	-24%	+5%	-18%	-29%	-12%	-20%	-10%	-15%
Western Addition	-6%	-2%	-1%	-11%	-1%	-5%	-4%	-5%	-8%	-12%	-8%	+4%	-12%	-17%	-15%	-8%	-7%	-3%	-7%	-6%



# Median Travel Time Changes for Top 10 Origin-Destination Pairs (Minutes)

Fall 2019 to Fall 2021

	DESTINATIONS																			
	Bernal Heights	Buena Vista	Central	Downtown	Golden Gate Park	Ingleside	Inner Sunset	Marina	Mission	Northeast	Outer Sunset	Presidio	Richmond	East of SF	North of SF	South of SF	South Bayshore	South Central	South of Market	Western Addition
Bernal Heights	-2.4	n/a	-2.7	-7.5	n/a	-3.1	+0.0	n/a	-3.3	-5.1	-4.8	n/a	n/a	-5.4	-3.7	-1.3	-3.4	-3.4	-0.6	-3.8
Buena Vista	+0.7	-1.7	-2.3	+0.5	-1.6	-4.4	-2.1	+0.4	-1.7	-6.5	-4.5	+0.6	-1.3	-1.9	-3.4	-0.9	+0.6	-3.2	+0.2	-0.3
Central	-2.4	-2.0	-0.9	-0.4	+1.4	-1.3	-1.3	+0.0	-0.8	-3.9	-5.6	-9.5	-2.7	-2.7	-0.7	-2.3	-1.6	-0.5	-1.9	-2.0
Downtown	-4.1	-2.6	-3.4	-2.1	-4.2	-11.7	-5.8	-7.0	-2.2	-3.6	-6.0	-9.2	-6.3	-1.6	-8.4	-6.9	-5.7	-4.9	-3.7	-4.7
Golden Gate Park	n/a	-3.5	-0.5	-2.5	-0.7	-1.9	-1.1	-4.6	-7.1	-6.4	-0.2	-2.5	-1.7	+0.6	-1.0	-0.5	-2.3	+4.1	+2.5	-0.0
Ingleside	-3.3	-3.1	-1.0	-5.9	-0.4	-1.4	-0.9	-6.4	-4.4	-4.4	-2.7	-4.5	-3.5	-6.3	+0.9	-1.8	-2.9	-2.0	-4.7	-2.7
Inner Sunset	-3.0	-0.9	-1.1	-5.2	-0.7	-0.6	-1.3	-2.0	-3.3	-4.7	-3.0	+5.6	-1.2	-2.1	-2.9	-1.3	-4.9	-1.1	-4.1	-4.6
Marina	-5.3	-2.4	-3.9	-1.5	-3.5	-4.8	+3.3	-0.9	-3.1	-3.2	-1.6	-2.8	-2.4	-4.9	-3.1	-3.9	+1.2	-1.3	-2.0	-2.5
Mission	-0.9	-2.6	-2.4	-1.9	-2.8	-6.6	-4.4	-0.9	-1.4	-5.5	-8.4	+3.6	-2.3	-3.2	-7.0	-2.3	-3.1	-4.1	-3.9	-5.0
Northeast	+5.5	-4.2	-4.0	+0.0	+0.8	-4.1	-1.9	-1.7	-3.3	-2.5	-4.7	-4.4	-5.3	-4.9	-4.8	-6.3	-7.0	-7.0	-3.4	-4.2
Outer Sunset	-9.7	-1.7	-2.9	-5.1	-0.3	-2.7	-2.3	-1.5	-3.1	-4.3	-1.6	-3.7	-1.3	-1.0	-3.3	-0.7	-1.5	+1.0	-2.7	-4.5
Presidio	-4.6	+7.0	-5.7	-4.0	-1.1	+0.9	-0.0	-0.8	+5.0	-1.9	+0.5	-1.6	-0.9	+1.2	-1.9	+0.1	+0.1	n/a	+2.5	-3.8
Richmond	-0.2	-1.2	+0.1	-4.1	-0.1	-1.0	+0.3	-1.2	-3.1	-3.0	-1.8	+0.9	-1.7	-2.7	-1.9	+0.8	+0.6	-0.6	+0.5	-1.4
East of SF	-9.6	-4.6	-7.6	-5.6	-4.0	-10.9	-5.4	-8.3	-5.8	-4.8	-8.6	-3.9	-6.9	n/a	-14.8	-6.4	-5.7	-4.2	-1.3	-5.7
North of SF	n/a	-3.2	+0.4	-2.0	-2.8	+0.9	-0.1	-1.3	+1.2	-2.4	+0.3	-1.6	-2.7	-0.6	n/a	+1.7	-0.0	-0.5	-1.8	-1.7
South of SF	-3.5	-1.6	-1.8	-7.8	+0.7	-2.4	-2.6	-5.5	-3.5	-7.8	-2.8	-3.1	-3.1	-4.7	-1.1	n/a	-1.7	-1.1	-3.5	-5.1
South Bayshore	+1.4	-0.6	-2.4	-9.0	-2.8	-3.5	-4.0	-11.6	-1.1	-7.0	-4.4	n/a	-4.3	-5.0	-9.7	-1.2	-1.6	-1.7	-5.7	-7.5
South Central	-1.5	-7.4	-2.7	-8.4	-5.2	-1.0	-3.2	-7.6	-1.9	-7.2	-4.1	n/a	-1.3	-4.1	-0.7	+0.2	-1.8	-1.6	-7.3	-2.0
South of Market	-5.6	-5.4	-5.5	-2.3	+5.0	-6.3	-5.7	-6.7	-3.9	-2.7	-10.3	+2.4	-11.1	+0.7	-7.4	-5.4	-3.0	-5.8	-1.7	-5.0
Western Addition	-2.0	-0.4	-0.2	-2.5	-0.1	-1.9	-1.2	-1.0	-2.0	-3.0	-2.5	+0.8	-2.6	-6.2	-3.3	-2.4	-2.6	-1.2	-2.1	-0.9

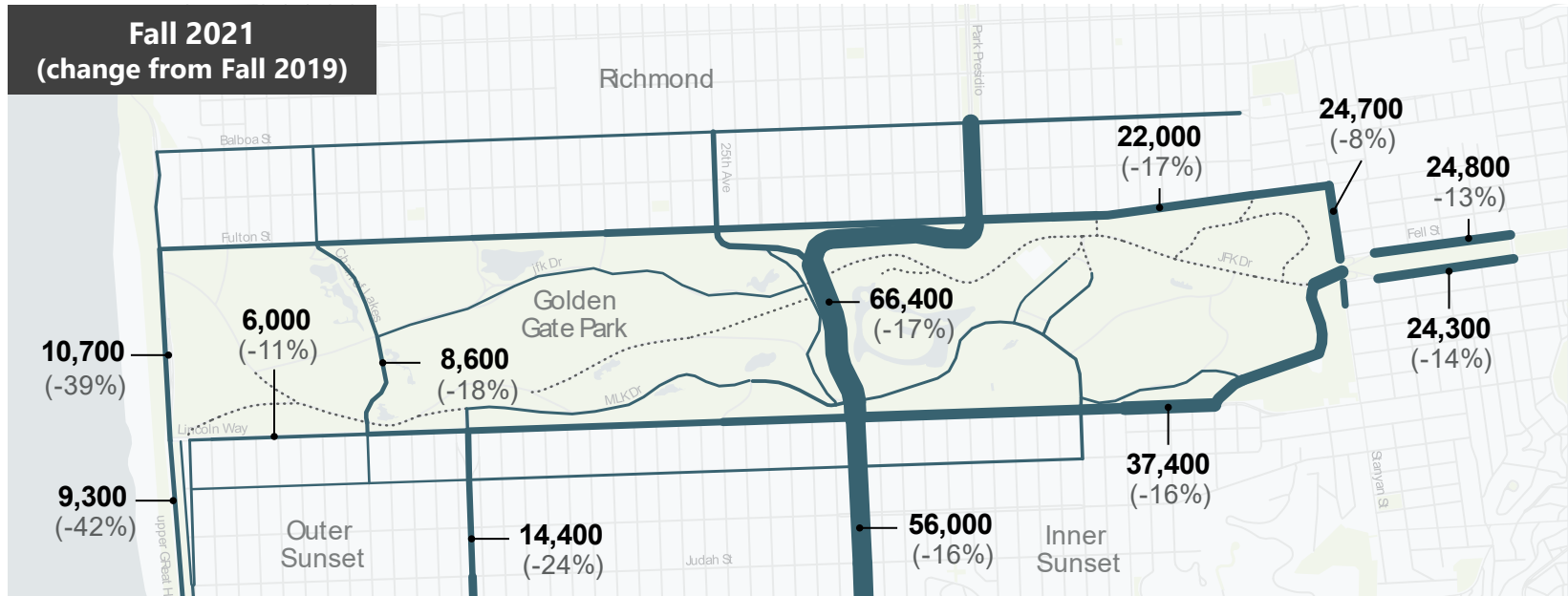


#### KEY FINDING

Between Fall 2019 and Fall 2021, traffic volume **decreased between 8% and 39%** on major streets that are near, within, or cross Golden Gate Park.

## 4. Traffic Volume & Capacity

# Traffic Volume Changes on Key Roadways Fall 2019 to Fall 2021



# Adjacent Arterial Roadway Capacity

Lincoln Way and Fulton  
Street could accommodate  
**20 to 40 percent** more  
traffic than that observed in  
Fall 2021 during the busiest  
times of day





#### KEY FINDING

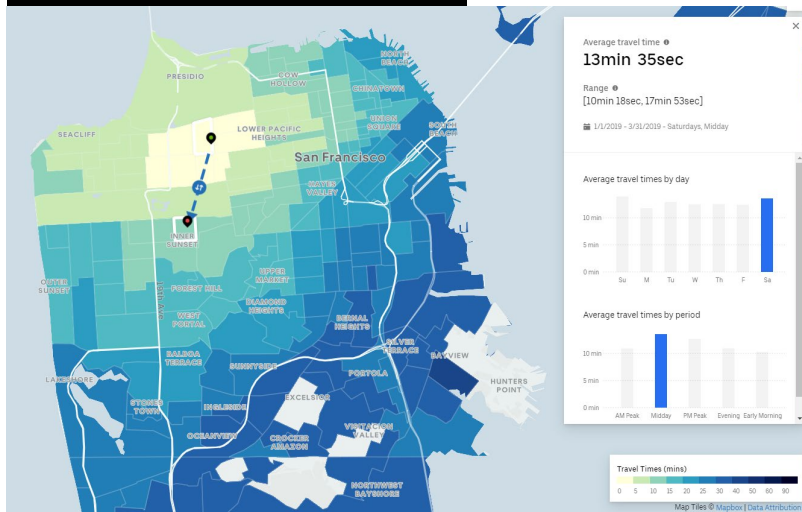
In winter 2019, vehicle trips between selected origins and destinations saw **no meaningful travel time difference** on Saturdays when JFK Drive was open to vehicles versus Sundays when JFK Drive was closed to vehicles.

## 5. 2019 Weekend Travel Time Comparison

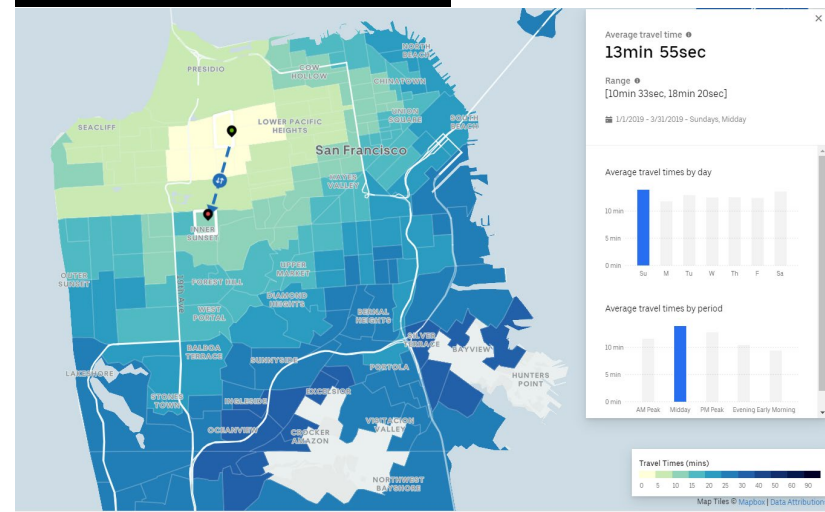
# Average Vehicle Travel Time Changes for Selected Origin-Destination Pairs

## Inner Richmond to Inner Sunset

Saturdays Winter 2019, 10am-4pm



Sundays Winter 2019, 10am-4pm

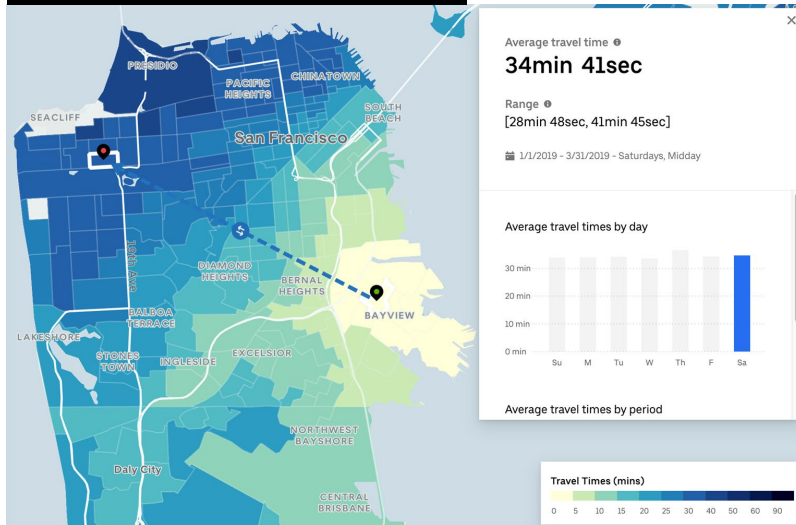


Travel times were **20 seconds longer** on Sundays than on Saturdays

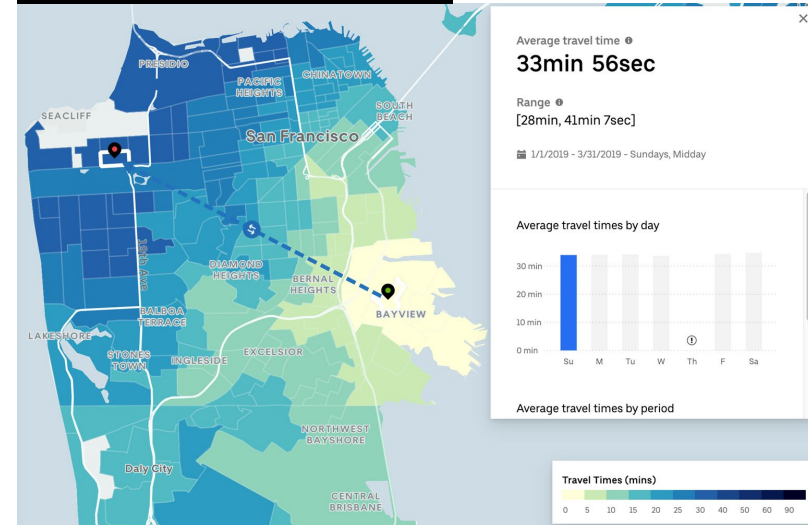
# Average Vehicle Travel Time Changes for Selected Origin-Destination Pairs

## Richmond District to Bayview

Saturdays Winter 2019, 10am-4pm



Sundays Winter 2019, 10am-4pm

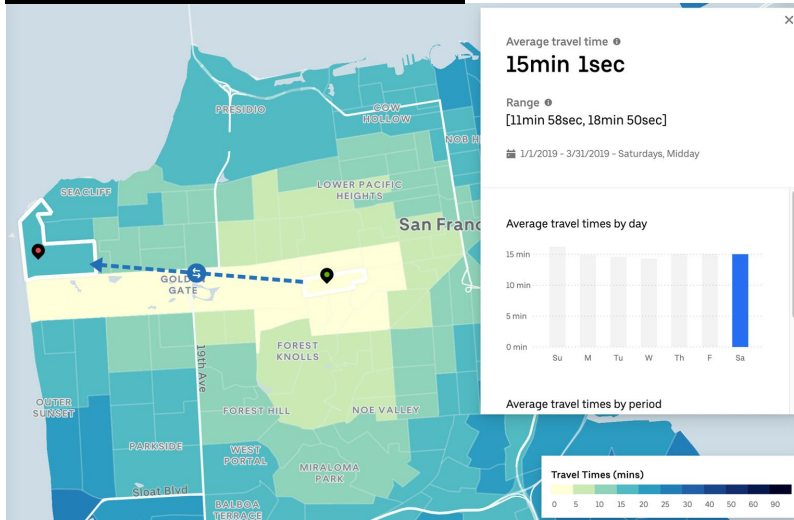


Travel times were **45 seconds shorter** on Sundays than on Saturdays

# Average Vehicle Travel Time Changes for Selected Origin-Destination Pairs

## Panhandle to Outer Richmond

Saturdays Winter 2019, 10am-4pm



Sundays Winter 2019, 10am-4pm



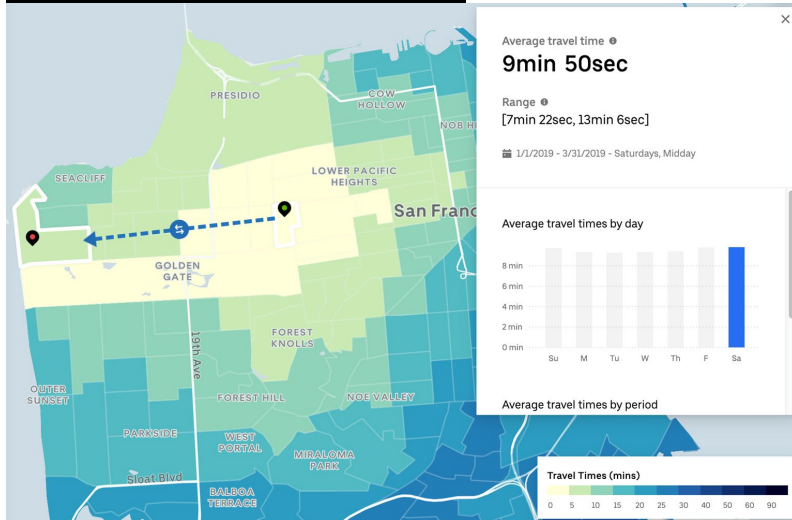
Travel times were **72 seconds longer** on Sundays than on Saturdays.



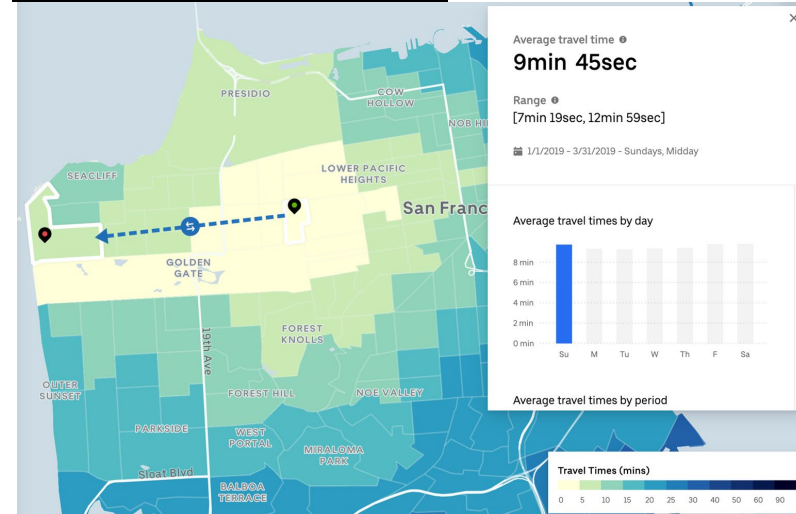
# Average Vehicle Travel Time Changes for Selected Origin-Destination Pairs

## Inner Richmond to Outer Richmond

Saturdays Winter 2019, 10am-4pm



Sundays Winter 2019, 10am-4pm

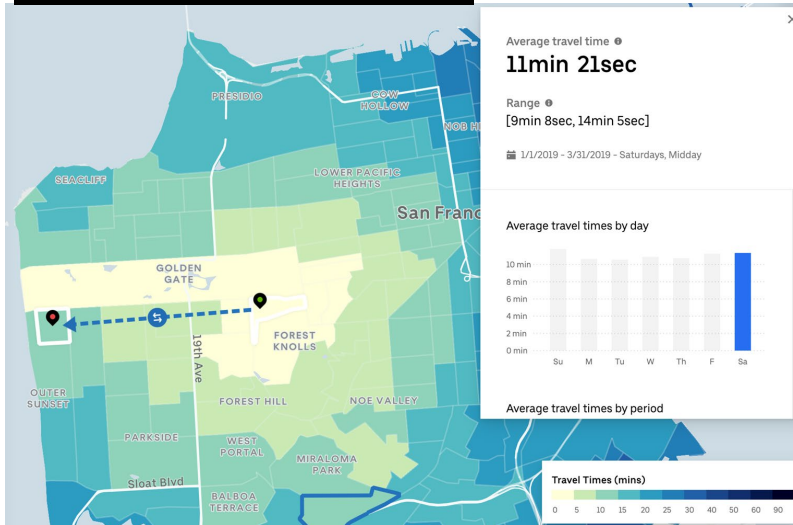


Travel times were **5 seconds shorter** on Sundays than on Saturdays.

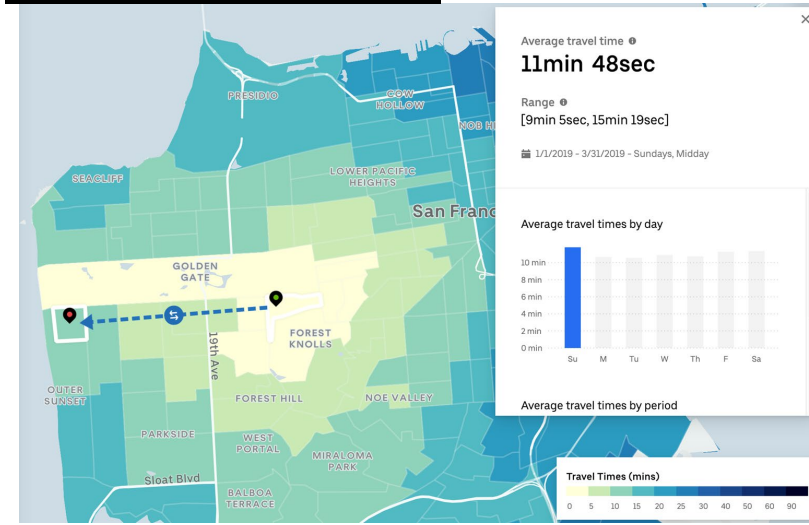
# Average Vehicle Travel Time Changes for Selected Origin-Destination Pairs

## Inner Sunset to Outer Sunset

Saturdays Winter 2019, 10am-4pm



Sundays Winter 2019, 10am-4pm



Travel times were **27 seconds longer** on Sundays than on Saturdays.

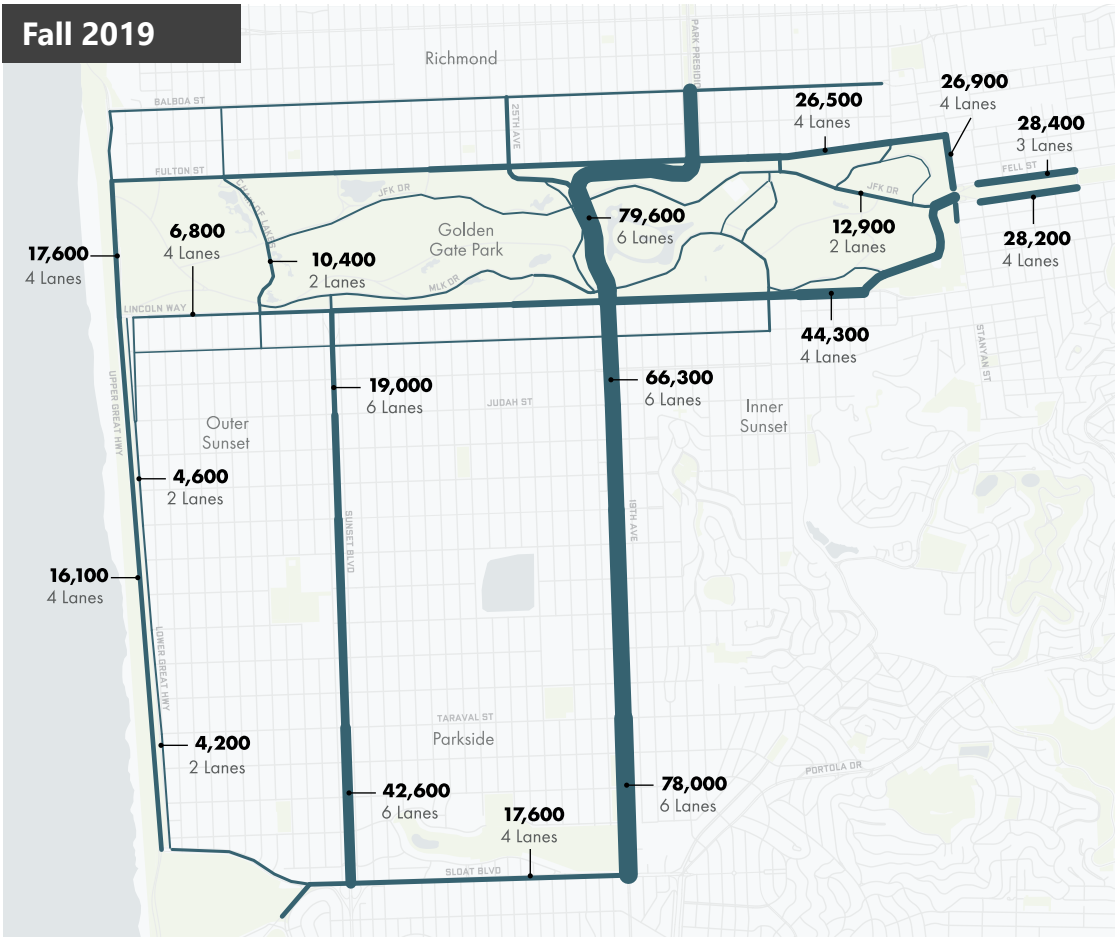
# Additional Information



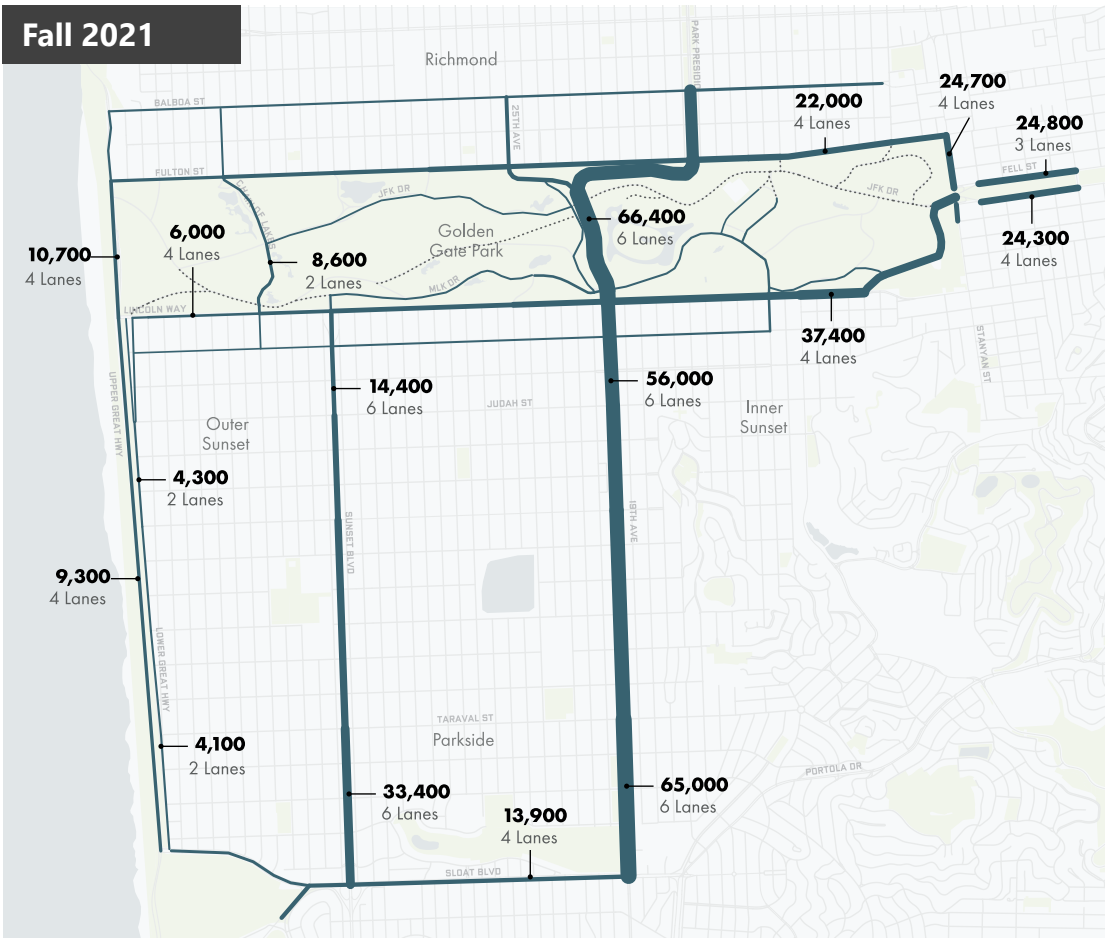


## Traffic Volume & Capacity (zoom out)

# Weekday Vehicle Volumes



# Weekday Vehicle Volumes



# Weekday Vehicle Volumes

