

SFMTA - TASC SUMMARY SHEET

<p>PreStaff_Date: 6/24/2021</p> <p>Requested_by: SFMTA</p> <p>Handled: Eddie Tsui</p> <p>Section Head : TF <i>TF</i></p>	<p><input type="checkbox"/> Public Hearing Consent</p> <p><input checked="" type="checkbox"/> Public Hearing Regular</p> <p><input type="checkbox"/> Informational / Other PH - Regular</p>	<p>No objections: _____</p> <p>Item Held: _____</p> <p>Other: _____</p>
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Location: Mansell Street, between Visitacion Avenue and Brazil Avenue

Subject: Speed Limit

PROPOSAL / REQUEST:

RESCIND--45 MPH SPEED LIMIT
ESTABLISH--30 MPH SPEED LIMIT
Mansell Street, between Visitacion Avenue and Brazil Avenue

Eddie Tsui, Eddie.Tsui@sfmta.com (Supervisor District 11)

The proposed reduction in the speed limit is being recommended by the SFMTA based on an updated speed survey.

BACKGROUND INFORMATION / COMMENTS

A new speed survey was conducted on this street segment after the raised crosswalks were installed. The new average 85th percentile speed is 36.3 MPH.

The nearest 5 MPH increment would suggest a 35 MPH speed limit; however, the California Vehicle Code allows an additional 5 MPH reduction based on special conditions, such as consideration for pedestrian and bicycle safety.

The street was temporarily signed with a 40 MPH speed limit after the initial Mansell Street reconstruction project; however, the Transportation Code lists the actual speed limit for this street as 45 MPH.

HEARING NOTIFICATION AND PROCESSING NOTES:

ENVIRONMENTAL CLEARANCE BY:

SFMTA Attached Pending



ENGINEERING AND TRAFFIC SURVEY

I. LOCATION: Mansell Street, between Visitacion Avenue and Brazil Avenue

Street width is more than 40 feet:

no

This Engineering and Traffic Survey was prepared according to the regulations and procedures in Part 2, Section 2B.13 of the California Manual on Uniform Traffic Control Devices.

This survey was performed on the 26th day of May 2021, at my direction by qualified engineering personnel. The results of the survey are presented in the following synopsis.

II. SPEED SURVEY RESULTS

Date Conducted: Wednesday, May 26, 2021
 Time of Day: 10:05 A.M. – 12:03 P.M.
 Weather Conditions: Clear
 Traffic Conditions: Free Flow, lighter traffic due to Covid pandemic

85th Percentile Speed

Location 1: Mansell Street, 600' West of John F. Shelly Drive (West)
 Westbound: 34.7 mph Eastbound: 38.2 mph
 Location 2: Mansell Street, 620' West of John F. Shelly Drive (East)
 Westbound: 35.8 mph Eastbound: 36.4 mph

III. COLLISION RATE

(A) Coverage (5-years): 4/1/2016 – 3/31/2021
 (B) Number of Collisions: 11
 (C) 24-Hour Volume: 13,680 vehicles
 (D) Length of Section: 4326.24 ft. or 0.82 miles

$$\text{Collision rate} = [(B) \times 10^6] / [(A) \times 365 \times (C) \times (D)] = 0.53 \text{ collisions/MVM}$$



IV. SPECIAL CONDITIONS

~~None~~

Pedestrian and bicycle safety.

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V. This survey justifies a speed limit of ~~35~~ **mph for Mansell Street, between Visitacion Avenue and Brazil Avenue,** as adjusted by applicable provisions of the California Manual on Uniform Traffic Control Devices. **The existing speed limit is 35 mph.**

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VI. I certify that this document is a true and accurate copy of the original on file with the San Francisco Municipal Transportation Agency.

_____ Date _____
Ricardo A. Olea
City Traffic Engineer



24-Hour Volume Calculation

LOCATION: Mansell Street, between Visitation Avenue and Brazil Street

DAY: Wednesday

DATE: 05 / 26 / 2021

TIME OF 10 MIN

COUNT: 9:55 A.M. - 10:05 A.M. (Location #1 below)

11:05 A.M. - 11:15 A.M. (Location #2 below)

WEATHER: Clear

AREA TYPE: Residential

TRAFFIC

CONDITIONS: Free Flow, lighter traffic due to Covid pandemic

RECORDED BY: Steven Rubino

10 Minute Counts:

Location 1: Mansell Street, 600' West of John F. Shelly Drive (West)

Westbound: 29 Eastbound: 24

Location 2: Mansell Street, 620' West of John F. Shelly Drive (East)

Westbound: 35 Eastbound: 26

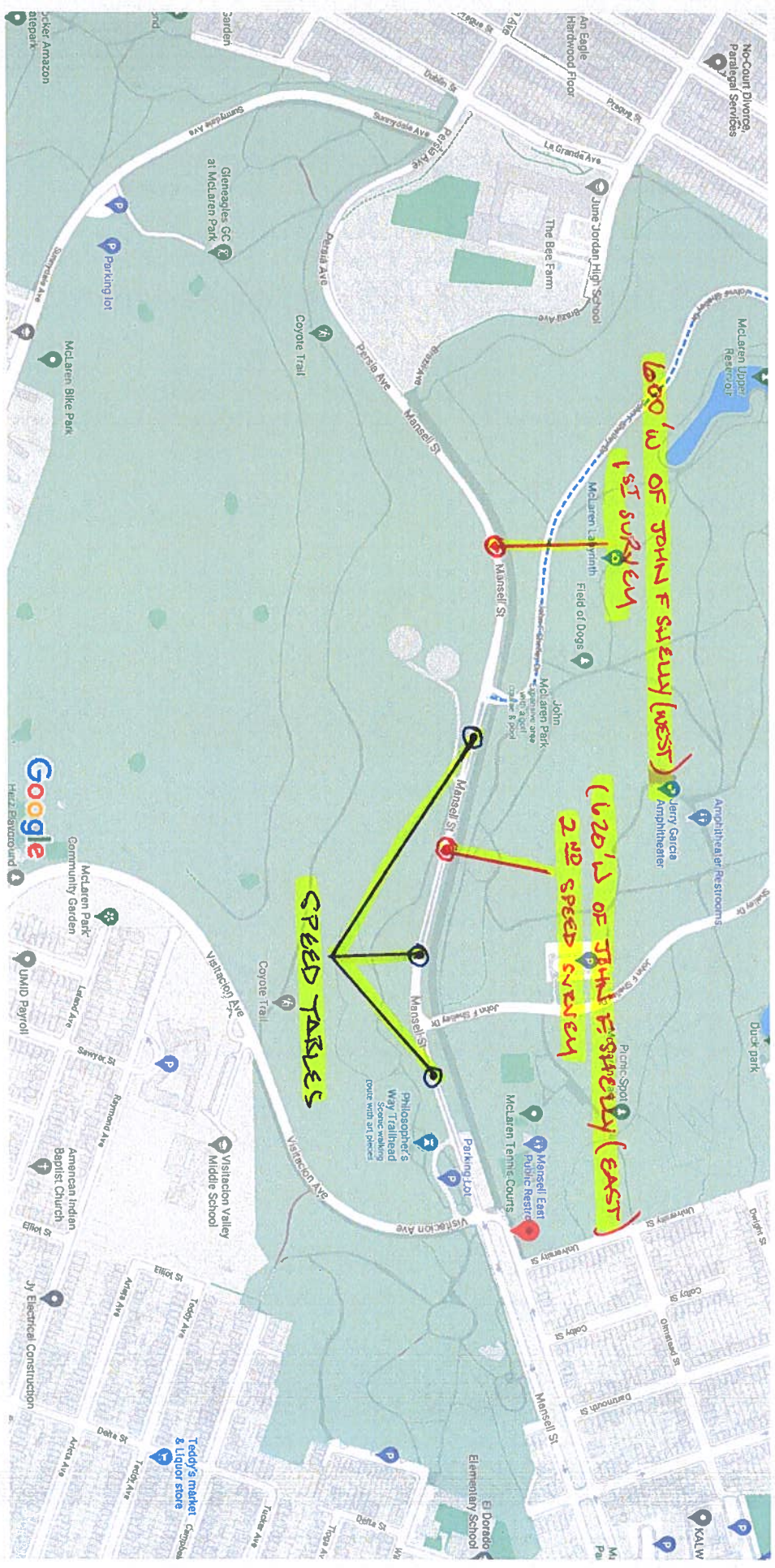
24 Hour Volume:

(A) Location 1 Total Volume = 53

(B) Location 2 Total Volume = 61

(C) Average Volume of All Locations = 114

24 Hour Volume = (C) x 6 x 20 = 13,680 vehicles / day



Map data ©2021 Google 200 ft

SPEED STUDY FORM

LOCATION MANSELL STREET - 600' WEST OF JOHN F. SHELLY DRIVE (WEST)

DAY WEDNESDAY DATE 5-26-2021 TIME: START 10:05A STOP 11:00A

WEATHER Clear NO. LANES 2 RECORDED BY S. RUBINO

COMMENTS #1

DIRECTION WESTBOUND				DIRECTION EASTBOUND			
MPH	TALLY	NO.	%	MPH	TALLY	NO.	%
OVER				OVER			
49				49			
48				48			
47				47			
46				46		2	100
45				45		1	98
44				44			
43				43			
42		1	100	42		3	97
41		2	99	41		5	94
40		2	97	40		1	89
39				39		4	88
38		1	95	38		5	84
37		3	94	37		6	79
36		3	91	36		7	73
35		4	98	35		7	66
34		5	77	34		7	57
33		5	67	33		7	42
32		5	58	32		7	35
31		5	47	31		7	27
30		5	37	30		7	20
29		5	27	29		7	16
28		5	21	28		2	10
27		5	15	27		3	5
26		2	9	26		2	5
25		2	7	25		2	3
24				24			
23				23		1	1
22		3	5	22			
21				21			
20		2	2	20			
19				19			
18				18			
17				17			
16				16			
15				15			
UNDER				UNDER			

34.7 mph
85%

39.2 mph
85%

SPEED STUDY FORM

LOCATION MANSELL STREET - 620' WEST OF JOHN F. SHELLY DRIVE (EAST)

DAY WEDNESDAY DATE 5.26.2021 TIME: START 11:15A STOP 12:03P

WEATHER Clear NO. LANES 2 RECORDED BY S. RUBINO

COMMENTS #2

DIRECTION <u>WESTBOUND</u>				DIRECTION <u>EASTBOUND</u>			
MPH	TALLY	NO.	%	MPH	TALLY	NO.	%
OVER				OVER			
49				49			
48				48			
47				47			
46				46			
45				45			
44				44			
43		2	100	43			
42				42			
41		1	98	41		1	100
40		2	97	40		2	99
39		1	95	39		4	97
38		3	94	38		2	93
37		4	91	37	 	16	91
36	 	11	87	36	 	8	81
35	 	6	76	35	 	13	73
34	 	9	70	34	 	16	60
33		4	61	33	 	9	44
32	 	5	57	32	 	7	35
31	 	10	52	31	 	5	29
30	 	8	42	30		4	23
29	 	5	34	29	 	5	19
28	 	7	29	28	 	6	14
27	 	9	22	27	 	5	8
26		4	13	26		1	3
25		2	9	25		1	2
24		2	7	24			
23		2	5	23			
22		1	3	22		1	1
21		1	2	21			
20		1	1	20			
19				19			
18				18			
17				17			
16				16			
15				15			
UNDER				UNDER			

35.8 mph
85%

36.4 mph
85%

TransBASE Internal Dashboard

Geographic Extent: MANSELL ST from VISITACION AVE to BRAZIL AVE (0.82 miles/4326.24 feet)
 Spatial Intersect: No Restriction (SFMTA 20ft/150ft Buffer)
 Data Range: 04/01/2016 to 03/31/2021
 Pull Date: 5/18/2021

Geographic Extent

