

Appendix Section 3

Resident Survey Instrument

BART or outside th	e neighborhood? Ch	eck off all that apply. See	map on first page.
		Around MacArthur BART	Outside neighborhood
Grocery shopping			
School			
, ,	e (Walgreens, CVS)		
-			
Bar			
	shopping		
Men's clothing shop A friend's house	pping		
2. When shopping for	GROCERIES , I usu	ually go to	
Intersection:			City:
I go to this place:		$\Box 2 \Box 3 \Box 4 \Box 5 + \text{times}$	
		om my home, and last time	
it takes life li	initites to get there if	•	e I went I got there by.
	□ Walk	□ Drive alone	
	□ Bus	□ Drive with some	eone
	□ BART	□ Other:	
	□ Bike		
3. When I or someone	else in my household	d goes to SCHOOL , I/they	y go to
	-		
□ 11 no one in your	nousenoia aiienas so	chool, check this box and s	kip to Question 4.
Name of school: _			
Intersection:			City:
		$\Box 2 \Box 3 \Box 4 \Box 5 + \text{times}$	
It takes me n	ninutes to get there fr	om my home, and last time	e I went I got there by:
	□ Walk	□ Drive alone	
	□ Bus	□ Drive with some	eone
	□ BART	□ Other:	
	□ Bike		
5 5	rk, check this box and	d skip to Question 5,	City:
		$\Box 2 \Box 3 \Box 4 \Box 5 + \text{times}$	
It takes me n	ninutes to get there fr	om my home, and last time	e I went I got there by:
	□ Walk	□ Drive alone	
	□ Bus	□ Drive with some	eone
	□ BART	□ Other:	
	□ Bike		

1. In the past week, have you gone to the following types of places either around MacArthur

_				
I	How safe do you feel when walking 1 2	3	neighbo 4	rhood? (Circle one.)
Ц	Very unsafe Neither s Now often do you walk under the free	safe nor unsafe	nggag? (Cl	Very safe
1.	\Box Never \Box Rarely	Occ	`	,
Н	Iow comfortable do you feel walking	3	freeway o	overpasses? (Circle one.)
	Very uncomfortable	Neutral		Very comfortable
	IOGRAPHIC INFORMATION: I			
	Oo you rent or own your home?			
). H	low many people live in your house	hold (inclu	ling your	rself)?
1 H	Iow long have you lived in this home	e? (Check o	ne)	
	Less than 6 months		2 years	
	☐ 6 months to 11 months		more yea	ars
2 D		1 0		
2. L	Oo you have access to a car for pe	ersonal use? . a bicycle ?		
		. a bicycle?		□N0
3. H	Iow often do you use BART? (Chec	k one.)		
	\Box 5 times or more per week		\Box A	few times per month
	☐ A few times per week		□ Or	nce a month or less
	☐ Once per week		□ Ne	ever
4. H	Iow often do you use the bus ? (Chec	ck one.)		
	\Box 5 times or more per week		\Box A	few times per month
	☐ A few times per week		□ Or	nce a month or less
	☐ Once per week		□ Ne	ever
5. V	What is your annual household inco	me? (Check	one.)	
	☐ Less than \$25,000		\$75,000	to \$99,999
	□ \$25,000 to \$49,999			0 or more
	□ \$50,000 to \$74,999			
6. D	Oo you have any other comments you	ı would like	to add?	

Thank you for your participation in the survey! If you would like to be entered into the raffle for a chance to win \$50, please leave your mailing address or email on the tear-off sheet on the first page of the survey and send that with your survey response, **or** email your contact information to transpostudyfall14@berkeley.edu.

Appendix Section |

Interview guide

Introduction

Type of business:

We are UC Berkeley graduate students working on a class project to look at transportation patterns and economic activity along the Telegraph Avenue corridor and MacArthur BART station area. We are working with our clients, the City of Oakland and BART, to evaluate how future transportation investments can support local retail and economic growth. As part of the process, we are surveying the merchant community to learn about your interests and concerns.

We plan to combine the findings from the interviews, a shopper survey, and other data gathered to inform our class's overall analysis of transportation needs and opportunities in the Temescal and MacArthur areas. Your responses will be kept completely confidential. Your help is very much appreciated! The estimated time to respond is 6-10 minutes.

If you have any questions about our study you may contact Professor Elizabeth Deakin at edeakin@berkeley.edu or 510 642 4749.

	ess Name:ess:
First,	we would like to ask you about the <u>business</u> .
1.	Background information about the business - Number of employees at this specific location - Hours and days of operation
2.	How long has this business been at this location? (years)
3.	How long have you been with this business? (years)
4.	How many deliveries do you receive each week? (check one of the following)
	1 to 3 4 to 7 More than 7
5.	Please describe your pickup and delivery schedule (days & times) in a normal week.
6.	Where do your delivery trucks/vans usually stop for deliveries? (Please check one)
	Loading zone Off-street parking/loading/alley Double park
7.	Have any of your delivery drivers told you about, or have you observed, difficulty finding a convenient and legal place to load/unload? YES: please explain: NO

Next,	we would like to ask you questions about your <u>customers</u> .
8.	Have you ever surveyed your customers about how they get to your business?
	YES: Would you be willing to share your results with us? Yes No 🗆
	No, we haven't surveyed customers about how they get to this business.

9. Please estimate the percentage of your customers that come from:

Place	Percentage using this mode:
Immediate neighborhood	%
Other Oakland neighborhoods	%
Other parts of the East Bay (Berkeley, Alameda, Piedmont, Richmond, etc.)	%
More distant parts of the Bay Area	%
I don't know	%
Total	100%

10. To the best of your knowledge, please estimate **how your customers arrive** at your business

Mode of travel:	Percentage using this mode:	l don't know	Comments
Driving	%		
Walking	%		
Biking	%		
Bus	%		
BART	%		
Other (please state)	%		
Total	100%		

11. To the best of your knowledge, how well do the transportation service categories listed in the table below currently **meet the needs of your customers**? (Please mark X for each category as appropriate)

	Excellent	Very good	Good	Fair	Poor	l don't know	Comments
Parking							
Bus							
BART							
Bike facilities							
Sidewalks							
Street lighting							

Next, we would like to ask you a few questions about your employees.

12. To the best of your knowledge, please estimate how your **employees** arrive to work

Mode of travel:	Number or percentage using this mode:	I don't know	Comments
Driving			
Walking			
Biking			
Bus			
BART			
Other (please state)			
Total	100%		

13. To the best of your knowledge, how well do the transportation service categories listed in the table below currently meet the needs of your **employees**? (Please mark X for each category as appropriate)

	Excellent	Very good	Good	Fair	Poor	Comments
Parking						
Bus						
BART						
Bike facilities						
Sidewalks						
Street lighting						

14.	To the best of your knowledge, where do the maj their cars? Free on-street parking Free off-street parking Other: Please specify	ority of the employees that drive park Paid on-street parking Paid off-street parking Don't know
Finally	, we would like to ask you about <u>changes</u> in the T	emescal and MacArthur BART areas.
15.	What types of businesses or services do you think MacArthur areas?	are missing from the Temescal and
Пне	Additional housing is being developed in the Macs will (check one): elp your business explain:	usiness Don't know
17.	The City of Oakland has proposed changes in stre aware of this? Yes No I If yes, what is your view on the proposed change	
	If yes, what is your view on the proposed changes describe.	regarding bike lanes? Please
18.	Are there any other issues that you would like to	share with us?
19.	Who else should we talk to on Telegraph Avenue,	about transportation issues?

Appendix Section | 5

Shopper Survey Instrument

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1. What activities will you do in this area today? (Check all that apply.) Shop Have coffee, snack or fast food (quick meal) Have breakfast, lunch, or dinner (sit-down meal) Have drinks at a bar or a cafe Visit a park Visit a beauty salon Visit an ATM/bank Visit the post office Visit professional services (lawyer, doctor, etc.) Go to church or community event Just passing through Other:	9. How did you travel here today? Drive alone BART Bus Walk Bicycle Other: No, I usually travel by ANSWER QUESTION 11 ONLY IF YOU PARKED YOUR BICYCLE IN THIS NEIGHBORHOOD.
2. Which stores, restaurants, or other businesses do you visit in this area?	11. If you rode a bike to shop here today, where did you park your bicycle?
3. How many stores or places did you/will you visit today? ☐ 1 ☐ 2 ☐ 3-4 ☐ 5 or more 4. How many people are with you today (including yourself)?	 □ An outdoor bike rack at a business □ A bike rack on the street □ A tree or other immovable object on the street □ Indoor bike storage □ Other:
5. How often do you visit this area to shop or visit other businesses (personal services, banks, etc.)?	Parking location (intersection or landmark):
☐ First time ☐ Once a month ☐ Once or twice per month	ANSWER QUESTION 12 ONLY IF YOU PARKED YOUR CAR IN THIS NEIGHBORHOOD.
☐ Once a week ☐ 2-4 times per week ☐ 5 -6 times per week ☐ 7 or more times per week 6. Considering all the expenditures you have made or intend to make today, approximately how much money did you/will you spend in this neighborhood? \$	12. If you drove here, where did you park your car? ☐ Free on-street ☐ Paid on-street (at a meter) ☐ Free off-street (a store's parking lot) ☐ Paid off-street (other parking lot or garage) ☐ Other: Parking location (intersection or landmark):
7. Is this how much money you usually spend per day in this neighborhood?	13. About you (for statistical purposes only)
 ☐ Yes ☐ No, I usually spend about \$ ☐ I don't know. 	Age: Sex: Home Zip Code: Intersection Closest to Home: &
8. What kinds of shops and activities would you like to see more of in this area?	Number of people in your household:
	\square \$50,000 – \$75,000 \square Over \$150,000

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This survey asks you about your use of the commercial district around Telegraph Avenue, Oakland. The survey will take less than 10 minutes and your answers will be kept confidential and anonymous. Results will be used in developing and refining planning proposals for the commercial district.

You are free to decline to answer any questions, or to stop participating at any time.

The survey is being conducted by graduate students at UC Berkeley under the supervision of Prof. Elizabeth Deakin. If you have any questions, please contact Prof. Deakin at edeakin@berkeley.edu. If you have any questions about your rights or treatment as a research participant in this study, please contact the University of California at Berkeley's Committee for Protection of Human Subjects at 510-642-7461 or send an email to subjects@berkeley.edu.

THANK YOU FOR YOUR TIME!

Location:	Time:

Appendix Section 6

Employee Survey Instrument

WIN A \$50 AMERICAN EXPRESS GIFT CARD BY TAKING THIS SURVEY

We need employees at businesses like yours to take our survey. Just fill in your email address or phone number on the last page, and you will be entered into a drawing for a \$50 American Express gift card. The drawing will take place on Dec. 1, 2014. Your confidential contact information will be stored separately from survey data, and it will be destroyed after the drawing.

About this survey

This survey asks you about your travel habits and feelings about public safety in and around the commercial district near Telegraph Avenue, Oakland. The survey will take less than 10 minutes and your answers will be kept confidential and anonymous. The results will be used to develop and refine planning proposals for the district. You are free to decline to answer any questions, or to stop participating at any time

The survey is being conducted by graduate students at UC Berkeley under the supervision of Prof. Elizabeth Deakin. If you have any questions, please contact Prof. Deakin at edeakin@berkeley.edu. If you have any questions about your rights or treatment as a research participant in this study, please contact the University of California at Berkeley's Committee for Protection of Human Subjects at 510-642-7461 or send an email to subjects@berkeley.edu.

	THANK YOU FOR YOUR TIME!
Place of employment: _	

1. For a normal week, how do you typically get to work? (Please check all that apply.)

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Drive alone							
Carpool/get dropped-off							
BART							
Bus							
Walking							
Biking							
Other:							

Comments:	
Comments.	

2. The following is a list of statements about the area where you work. (Please check the box that applies.)

аррисз.,	Disagree Strongly	Disagree	Neutral	Agree	Agree Strongly	Not Applicable
I can usually find parking for my car for the duration of my workday.						
I am sometimes late to work because I struggle to find parking for my car.						
I usually need to move my car during my workday.						
I usually need to feed the meter during my workday.						
The parking meters are often broken.						
It is convenient for me to take BART to work.						
Because of my commute, I wish BART service ran later in the evening.						
It is convenient for me to take the bus to work.						
Because of my commute, I wish bus service ran later in the evening.						
I feel safe while riding my bike to work.						
I feel safe while walking to work.						
Public safety is a concern on my commute to work.						
Public safety is a concern on my commute from work.						

Comments:						
WORKDAY 3. The following is a list of statements	about the	area where	e vou wor	k. Please	check the	box that
applies.	Disagree Strongly	Disagree	Neutral	Agree	Agree Strongly	Not Applicable
I shop in the neighborhood before/after work (e.g. books, clothes, hair cuts, etc.).						
I go to restaurants or bars in this neighborhood before/after work.						
I buy groceries or other essentials in this neighborhood before/after work.						
I wish shops and services were open later in this area.						
I feel safe in the neighborhood around my workplace.						
Comments:						
Answer Question 4 only if Y	ou′	Parl ——	king locati	on (inters	section or la	andmark):
TYPICALLY PARK YOUR BICYCLE	IN THIS					
NEIGHBORHOOD.4. If you ride a bike, where do you typ park your bicycle? (Please choose oneA bike rack on the street	TYP	-	ARK YO	N 5 ONLY OUR CAR I		
 A tree or other immovable object street A bike storage facility Protected bike storage at my worl Other: 	your o	car? (Plea Free on-st Paid on-st	ise choos treet treet (me	-		

EMPLOYEE TRAVEL SURVEY

UNIVERSITY OF CALIFORNIA, BERKELEY

Paid off-street (third-party parking lot or garage)	Parking location (intersection or landmark):
I don't know.	
Other:	

BASIC INFORMATION

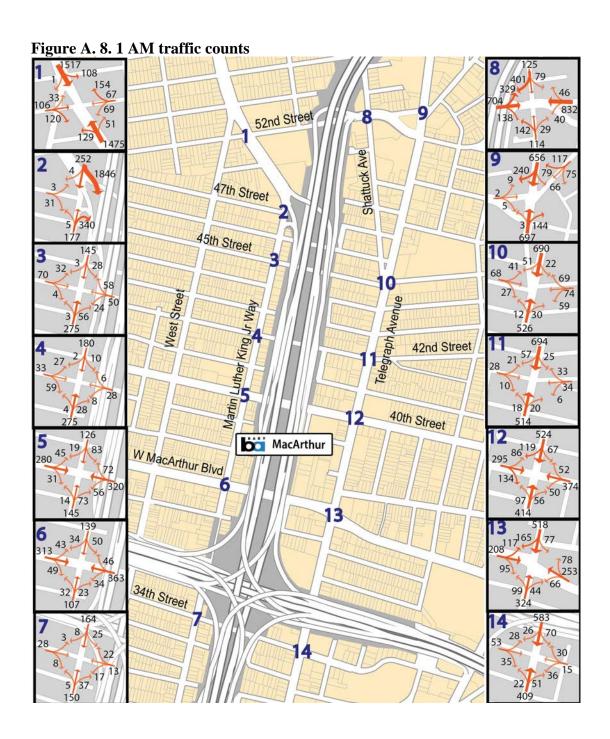
	nat time of day do you usually start work	8. Ho	w long is your usual workday?
at thi	s location?		Less than 4 hours a day
	Morning (6-9 am)		4-8 hours a day
	Late morning (9-11 am)		Over 8 hours a day
	Midday (11 am-1 pm)		It varies considerably:
	Afternoon (1-4 pm)		
	Late afternoon (4-6 pm)	0.5-	where level have been accounted for the
	Evening (6-9 pm)	9. FO busin	r how long have you worked for this ess?
	Night (9-12 pm)		
	Late night/Early morning (12-6 am)		Less than 1 year 1-2 years
	It varies considerably:		3-4 years
			Over 5 years
	20-40 hours a week More than 40 hours a week	A So H In	bout you (for statistical purposes only) ge: ex: ome Zip Code: ntersection Closest to Home: &
Сом	PLETE THIS SECTION TO PARTICIPATE IN THE	\$50 A MER	ICAN EXPRESS GIFT CARD DRAWING:
Email	÷		
Phon	e:		

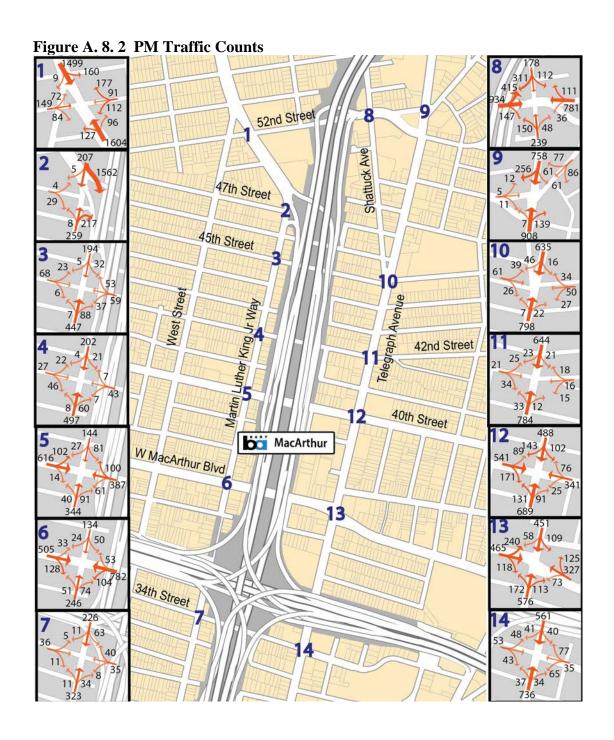
We will try to reach the gift card winner for up to one week after the drawing date. If we cannot reach the initial winner within that time, then we will randomly select another winner using the same

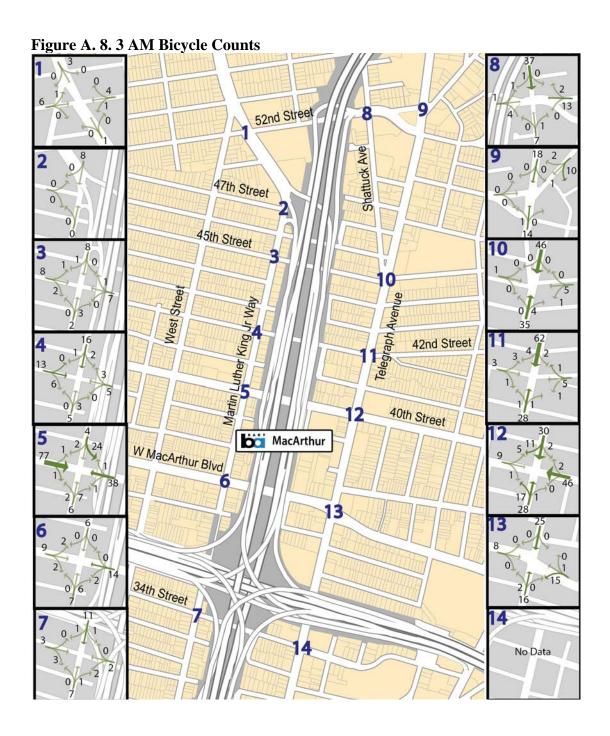
procedure until we can award the gift card. After the gift card has been awarded, we will destroy all the confidential email addresses and phone numbers.

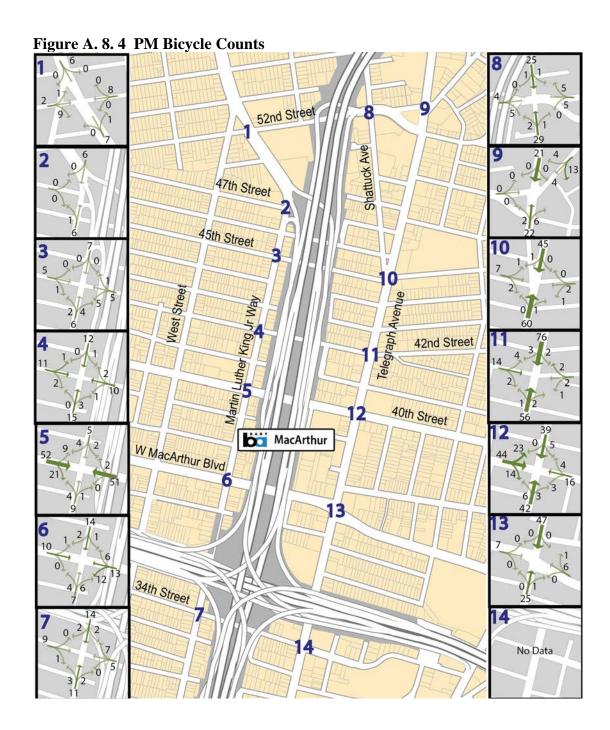
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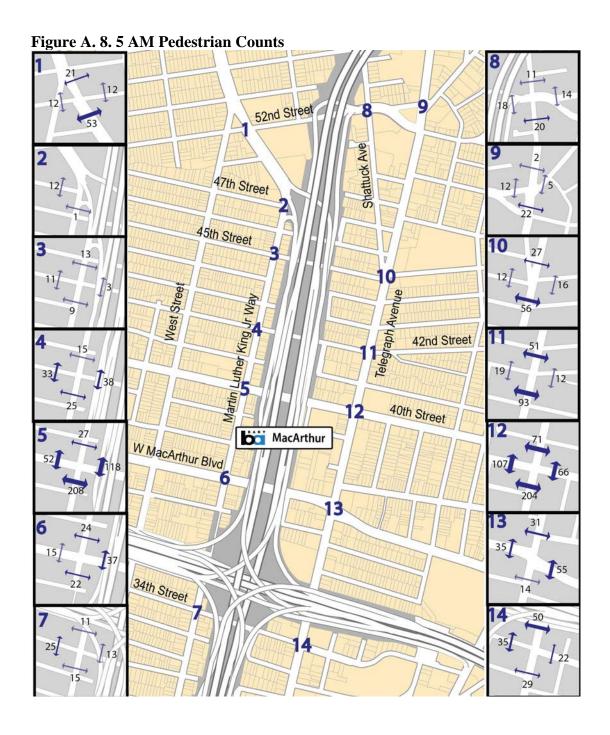
Network Analysis

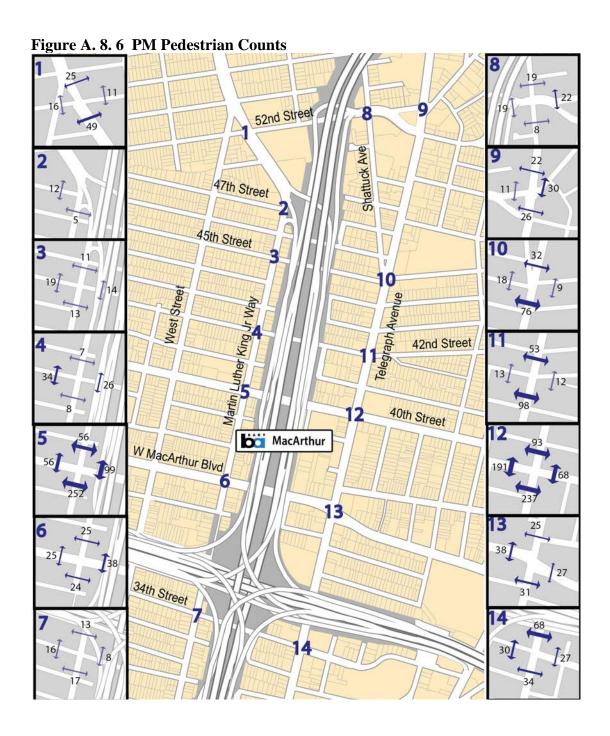


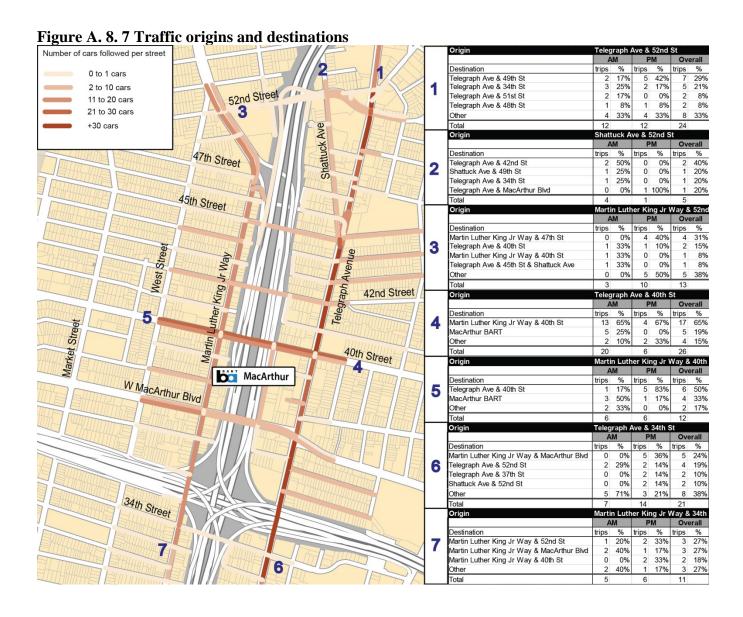












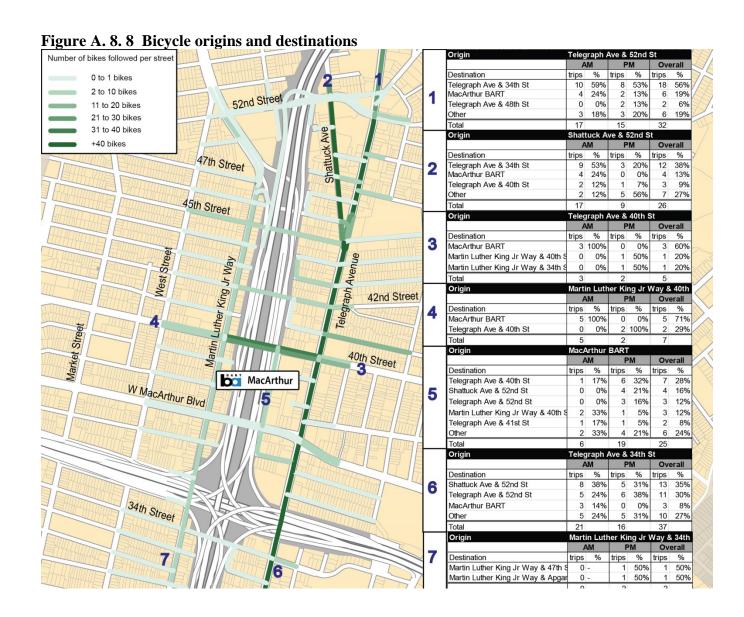


Table A. 8. 1 Network results for all models

	Average Delay Vehicles Attempting to Enter Network					work	Vehicles		
	Total	Cars	Buses	Bikes	Total	Cars	Buses	Bikes	That Did
									Not Enter Network
2017 No Action	175	174	448	157	11,970	11,327	37	372	1,939
2032 No Action	278	276	596	283	12,269	11,558	37	436	5,180
2032 Low TOD Modal									
Shift on Current									
Infrastructure	236	235	578	233	12,538	11,417	36	845	4,419
2032 High TOD Modal									
Shift on Current									
Infrastructure	241	239	563	250	12,474	10,515	38	1,696	5,475
2032 High TOD Modal									
Shift on Complete Streets									
and 40th St.									
Pedestrianization	263	275	556	191	11,475	9,575	39	1,655	5,813
2032 High TOD Modal									
Shift on Complete Streets	424	427	852	405	8,772	7,403	28	1,186	8,335

Table A. 8. 2 2014 Current Conditions intersection results

	Car LOS	Average queue length (ft)	Person Delay (s)	Bus delay (s)	Bus stops	Bike delay (s)
Martin Luther King Jr. Way & 52nd St.	D	278	51.46	73.8	2	36.3
Martin Luther King Jr. Way & 47th St.	В	0	11.53	9.6	0	2.1
Martin Luther King Jr. Way & 45th St.	A	5	8.19	17.0	1	5.3
Martin Luther King Jr. Way & 42nd St.	A	3	2.97	16.9	0	2.7
Martin Luther King Jr. Way & 40th St.	В	19	17.43	19.6	1	16.8
Martin Luther King Jr. Way & MacArthur Blvd.	В	14	11.16	40.6	1	18.8
Martin Luther King Jr. Way & 34th St.	В	8	11.30	36.6	1	11.0
Shattuck Ave. & 52nd St.	F	450	88.19	0.0	0	73.9
Telegraph Ave. & 52nd St.	E	97	58.19	85.4	2	41.7
Telegraph Ave. & 51st St.	E	448	78.59	111.8	3	71.8
Telegraph Ave. & 45th St. & Shattuck Ave.	В	11	12.01	11.7	0	3.6
Telegraph Ave. & 42nd St.	A	8	7.35	7.7	0	8.9
Telegraph Ave. & 40th St.	С	69	31.25	40.9	2	31.3
Telegraph Ave. & MacArthur Blvd.	С	42	24.22	32.0	1	17.5
Telegraph Ave. & 34th St.	В	19	13.93	15.6	1	9.5

Table A. 8. 3 2017 No Action intersection results

	Car LOS	Average queue length (ft)	Person Delay (s)	Bus delay (s)	Bus stops	Bike delay (s)
Martin Luther King Jr. Way & 52nd St.	D	274	53.87	79.5	2	43.6
Martin Luther King Jr. Way & 47th St.	В	0	11.49	22.3	1	2.9
Martin Luther King Jr. Way & 45th St.	A	5	9.14	17.5	1	6.8
Martin Luther King Jr. Way & 42nd St.	A	2	3.58	17.3	0	2.6
Martin Luther King Jr. Way & 40th St.	В	25	20.42	19.8	1	17.3
Martin Luther King Jr. Way & MacArthur Blvd.	В	19	12.25	49.5	1	18.1
Martin Luther King Jr. Way & 34th St.	В	8	11.93	35.6	1	9.2
Shattuck Ave. & 52nd St.	F	285	82.27	0.0	0	75.0
Telegraph Ave. & 52nd St.	Е	119	64.70	67.2	2	37.0
Telegraph Ave. & 51st St.	F	600	81.11	111.4	3	75.6
Telegraph Ave. & 45th St. & Shattuck Ave.	Е	121	68.83	99.2	6	39.9
Telegraph Ave. & 42nd St.	D	84	37.84	32.2	1	33.8
Telegraph Ave. & 40th St.	Е	198	59.25	75.0	2	57.3
Telegraph Ave. & MacArthur Blvd.	С	83	35.18	40.8	2	23.3
Telegraph Ave. & 34th St.	В	21	13.34	11.9	0	9.9

Table A. 8. 4 2032 No Action intersection results

		Average	Danasa	Dua		D:1
	Car	queue length	Person Delay	Bus delay	Bus	Bike delay
	LOS	(ft)	(s)	(s)	stops	(s)
Martin Luther King Jr. Way & 52nd St.	D	281	53.22	85.6	2	40.8
Martin Luther King Jr. Way & 47th St.	В	1	10.72	22.4	0	1.9
Martin Luther King Jr. Way & 45th St.	A	6	10.09	22.8	1	6.2
Martin Luther King Jr. Way & 42nd St.	A	3	4.49	17.0	0	2.2
Martin Luther King Jr. Way & 40th St.	F	165	86.42	80.0	3	96.1
Martin Luther King Jr. Way & MacArthur						
Blvd.	C	35	26.45	48.5	1	23.0
Martin Luther King Jr. Way & 34th St.	В	11	14.43	40.4	1	13.1
Shattuck Ave. & 52nd St.	F	711	121.89	0.0	0	124.9
Telegraph Ave. & 52nd St.	Е	124	81.12	107.4	4	73.9
Telegraph Ave. & 51st St.	F	645	97.69	79.7	3	74.9
Telegraph Ave. & 45th St. & Shattuck Ave.	F	166	75.69	69.6	3	49.3
Telegraph Ave. & 42nd St.	Е	163	71.89	54.1	3	51.3
Telegraph Ave. & 40th St.	F	681	133.64	132.4	4	121.7
Telegraph Ave. & MacArthur Blvd.	F	537	127.50	63.3	2	81.1
Telegraph Ave. & 34th St.	F	230	131.89	152.4	5	82.8

Table A. 8. 5 2032 Low TOD Modal Shift on Current Infrastructure intersection results

Table 1. 0. 5 2052 Low Tob Modal Sil		Average				
		queue	Person	Bus		Bike
	Car	length	Delay	delay	Bus	delay
	LOS	(ft)	(s)	(s)	stops	(s)
Martin Luther King Jr. Way & 52nd St.	Е	294	62.47	91.3	2	76.6
Martin Luther King Jr. Way & 47th St.	A	0	10.02	26.4	1	0.4
Martin Luther King Jr. Way & 45th St.	A	7	9.62	14.5	0	7.4
Martin Luther King Jr. Way & 42nd St.	A	3	7.21	17.9	0	1.3
Martin Luther King Jr. Way & 40th St.	D	89	45.35	32.9	1	45.2
Martin Luther King Jr. Way & MacArthur						
Blvd.	В	29	15.03	48.1	1	21.3
Martin Luther King Jr. Way & 34th St.	В	10	14.07	34.1	2	9.5
Shattuck Ave. & 52nd St.	F	562	90.33	0.0	0	124.2
Telegraph Ave. & 52nd St.	Е	123	71.01	102.6	4	57.1
Telegraph Ave. & 51st St.	F	609	89.62	74.9	2	76.9
Telegraph Ave. & 45th St. & Shattuck Ave.	Е	161	65.04	69.7	4	35.0
Telegraph Ave. & 42nd St.	Е	120	53.29	34.9	2	30.3
Telegraph Ave. & 40th St.	F	526	86.07	94.5	3	69.4

Telegraph Ave. & MacArthur Blvd.	Е	345	58.35	66.7	2	36.7
Telegraph Ave. & 34th St.	Е	164	71.30	91.0	5	36.8

Table A. 8. 6 2032 High TOD Modal Shift on Current Infrastructure intersection Results

	Car LOS	Average queue length (ft)	Person Delay (s)	Bus delay (s)	Bus stops	Bike delay (s)
Martin Luther King Jr. Way & 52nd St.	E	318	69.43	111.5	3	93.2
Martin Luther King Jr. Way & 47th St.	A	1	9.95	19.2	0	0.5
Martin Luther King Jr. Way & 45th St.	В	10	12.63	20.7	0	7.8
Martin Luther King Jr. Way & 42nd St.	В	16	21.68	40.7	1	18.1
Martin Luther King Jr. Way & 40th St.	Е	261	77.50	84.2	3	73.8
Martin Luther King Jr. Way & MacArthur						
Blvd.	D	101	44.60	125.6	4	48.1
Martin Luther King Jr. Way & 34th St.	C	22	22.99	44.1	2	15.6
Shattuck Ave. & 52nd St.	F	530	93.42	0.0	0	113.0
Telegraph Ave. & 52nd St.	Е	125	75.04	238.5	7	54.3
Telegraph Ave. & 51st St.	F	619	81.13	21.9	0	53.2
Telegraph Ave. & 45th St. & Shattuck Ave.	C	25	28.00	31.1	1	8.8
Telegraph Ave. & 42nd St.	C	27	23.90	18.2	0	12.9
Telegraph Ave. & 40th St.	F	611	94.70	111.3	3	73.7
Telegraph Ave. & MacArthur Blvd.	Е	419	80.74	91.6	3	47.7
Telegraph Ave. & 34th St.	F	224	96.12	163.4	10	52.8

Table A. 8. 7 2032 High TOD Modal Shift on Complete Streets Intersection Results

	Car LOS	Average queue length (ft)	Person Delay (s)	Bus delay (s)	Bus stops	Bike delay (s)
Martin Luther King Jr. Way & 52nd St.	Е	308	63.00	87.0	2	72.2
Martin Luther King Jr. Way & 47th St.	В	1	10.98	28.4	1	0.4
Martin Luther King Jr. Way & 45th St.	В	7	12.37	23.4	1	7.3
Martin Luther King Jr. Way & 42nd St.	A	4	7.58	21.4	1	1.6
Martin Luther King Jr. Way & 40th St.	C	27	23.32	29.7	1	17.6
Martin Luther King Jr. Way & MacArthur Blvd.	F	410	95.46	106.3	4	57.6
Martin Luther King Jr. Way & 34th St.	F	107	108.14	158.5	5	50.6
Shattuck Ave. & 52nd St.	E	519	75.01	0.0	0	97.4
Telegraph Ave. & 52nd St.	Е	104	79.42	114.1	5	82.5
Telegraph Ave. & 51st St.	F	626	88.07	82.5	2	64.8
Telegraph Ave. & 45th St. & Shattuck Ave.	C	78	26.03	21.4	1	7.0

Telegraph Ave. & 42nd St.	C	63	19.84	13.7	0	8.7
Telegraph Ave. & 40th St.	D	268	51.86	55.5	2	26.6
Telegraph Ave. & MacArthur Blvd.	F	393	88.33	64.5	2	43.6
Telegraph Ave. & 34th St.	Е	251	83.47	84.8	5	27.4

Table A. 8. 8 2032 High TOD Modal Shift on Complete Streets and 40th St. Pedestrianization intersection results

	Car LOS	Average queue length (ft)	Person Delay (s)	Bus delay (s)	Bus stops	Bike delay (s)
Martin Luther King Jr. Way & 52nd St.	E	328	70.00	168.0	6	97.9
Martin Luther King Jr. Way & 47th St.	В	2	11.53	15.2	0	1.8
Martin Luther King Jr. Way & 45th St.	В	9	12.38	24.4	1	6.7
Martin Luther King Jr. Way & 42nd St.	A	11	10.44	24.0	1	3.1
Martin Luther King Jr. Way & 40th St.	C	27	21.28	29.3	2	16.8
Martin Luther King Jr. Way & MacArthur Blvd.	F	492	140.60	92.3	3	120.4
Martin Luther King Jr. Way & 34th St.	F	138	127.37	241.8	8	93.0
Shattuck Ave. & 52nd St.	E	511	77.65	0.0	0	102.2
Telegraph Ave. & 52nd St.	E	106	77.92	135.4	4	37.2
Telegraph Ave. & 51st St.	F	762	84.01	71.5	2	61.2
Telegraph Ave. & 45th St. & Shattuck Ave.	E	224	56.69	38.1	1	19.1
Telegraph Ave. & 42nd St.	E	386	60.61	34.0	1	40.7
Telegraph Ave. & 40th St.	F	260	80.16	93.0	3	31.6
Telegraph Ave. & MacArthur Blvd.	F	742	125.29	100.8	3	54.8
Telegraph Ave. & 34th St.	F	324	117.74	131.9	5	44.5