

# Beach Boulevard Corridor Study

## Public Involvement Program Phase 2:

## Summary of Survey Results

January 2020



Prepared by:



BEACH BLVD

39

# Beach Boulevard Corridor Study

## Phase 2: Summary of Survey Results

January 30, 2020

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### EXECUTIVE SUMMARY

The Orange County Transportation Authority (OCTA) and California Department of Transportation (Caltrans) conducted a second survey to determine participants' travel habits and usage and to rank improvement opportunities along Beach Boulevard. The survey was shared online and prepared in print format for public events. Survey results and respondent open comments are summarized in this report. Findings were prepared to inform the technical team and to reach the project's end-goal of informing local jurisdictions with recommended improvement options. These will guide and enhance the development of growth along the 21-mile corridor.

Both surveys' research utilizes a nonprobability sample, which means that results cannot be considered representative of the total population of interest. Informal research methods, such as this, are useful to explore a group's opinions and views, allowing for the collection of a variety of data. This data can reveal information that may warrant further study and is often a cornerstone for the generation of new ideas.

The survey questions were designed to:

- Rank opportunities for improvement,
- Determine participant's habits, use and conditional opportunities for change,
- Gather respondent demographics, and
- Inform future outreach initiatives and receive new contact information.

The survey was available from September 19, 2019 to November 3, 2019 and a total of 1,227 surveys were collected (1,187 English, 26 Spanish, 14 Vietnamese). Based on the demographic information collected, respondents were comprised of a diverse mix of age, income, ethnicity, geography, and habits.

### Key Findings

Community participants, as reflected in the more than 1,200 survey responses, recognize the need for improvements on Beach Boulevard. However, some respondents leaned towards an auto-centric route while others see a more diverse vision for the future.

The following table reflects the top-ranked improvement opportunities for Beach Boulevard. Survey participants were presented the top-five improvements, determined by the initial assessment survey, and asked to rank order the choices for each mode of travel.

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Survey Question	Top Ranked	Second Ranked	Third Ranked
What would you do to improve driving on Beach Boulevard?	Optimize traffic signals 57%	Add pedestrian bridges 19%	Add pedestrian bridges 11%
What would you do to improve transit service on Beach Boulevard?	Build a high capacity transit system 46%	Provide more frequent buses 22%	Provide bus-only lanes 19%
What would you do to improve bicycling on Beach Boulevard?	Add bike lanes on parallel streets instead 33%	Add bike lanes 26%	Provide barrier-separated bike lanes 23%
What would you do to improve walking on Beach Boulevard?	Add pedestrian bridges 34%	Add sidewalks where there are gaps 29%	Add safety features for crossing 27%

The survey also focused on evaluating the effectiveness of specific improvements, including the effect of reduced speeds, dedicated transit lanes, and conditional changes to bike and pedestrian rights-of-way. Survey findings illustrated how the greater public may react to the proposed changes. The results suggest attempts to reduce speed along the route will likely result in driver's decreased use, pushing traffic from Beach to parallel north-south arterials. A detail of respondents' frequency of use findings can be found in the appendix.

In contrast, the survey indicated various mode usage increased with all of the following:

- If transit travel time improved using transit-only lanes or technology to enhance traffic signal timing
- If biking on sidewalks was allowed or protected bikeways were provided
- If bike lanes were added to parallel streets or connections to and from Beach Boulevard were improved
- If walking was improved with better lighting or wider sidewalks
- If street crossings were improved with enhanced crosswalks, more frequent crossings or shorter crossing distances by extending sidewalks or curbs

### Survey Process

The 20-question survey was developed and deployed in English, Spanish, and Vietnamese using Survey Monkey, an online survey tool. Print versions of the survey were also created as handouts (see appendix) for use at nine (9) local pop-up/community events. In addition, surveying was conducted by OCTA staff during two (2) onboard bus outreach efforts. At these events, staff educated interested parties on the project, building public awareness on the purpose and need for this collaborative work. All print surveys gathered at the events were entered by staff into the online survey.

In addition to the events, a variety of methods were employed to engage Beach Boulevard communities as well as those that travel the corridor. Electronic noticing was a key component in the survey notification process,

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including linking the survey on the project webpage, sharing the survey through social media ads and posts on Facebook and Twitter, posting on the OCTA blog and by distributing to bus riders and key project stakeholders via e-blasts. Corridor cities also were engaged to support OCTA and Caltrans in distributing the survey by way of a communications tool kit, which offered a variety of messaging for agencies to share with their various communities. Lastly, the survey was promoted through traditional means, including a direct mail postcard to key stakeholders from along the corridor and placed at public counters. A recount of these efforts are summarized in the Outreach and Survey Results section of the appendix. Summary results were shared on display boards following the close of the survey at a tenth event, “Meet on Beach,” an open-street event in Buena Park.

Pop-up/Community Event	Event Date	Total
Garden Grove Annual Car Show	Sep. 22, 2019	15
Dia de la Familia	Sep. 22, 2019	34
Stanton Family Resource Center	Oct. 4, 2019	11
Westridge Plaza pop-up	Oct. 5, 2019	1
Bella Terra pop-up	Oct. 12, 2019	8
Westminster Senior Center pop-up	Oct. 16, 2019	24
Silverado Days	Oct. 19, 2019	16
West Anaheim Medical Center pop-up	Oct. 29, 2019	9
Pacific Sunset Mobile Estates pop-up	Oct. 31, 2019	8
OCTA Onboard Bus Surveys	Oct. 1 & 22, 2019	76
<b>Total Event Surveys Collected</b>		<b>202</b>

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### SURVEY FINDINGS

#### Geographic Distribution

During Phase 2, the project team continued to work with the Technical Working Group (TWG), to help promote the survey. The TWG members, comprised of member representatives from each of the nine corridor cities, supported the notification process through online agency media and by utilizing public counters. Project events also were strategically located along the study route to help ensure a geographic mix of survey participants.

#### What is your home zip code?

Survey respondents were evenly spread across the corridor. More than 1,200 (98%) respondents shared their home zip code, indicating that 83% (991) of respondents live within a rough two-mile radius of the major route (see adjacent map). However, a total of 210 additional respondents were found to reside outside of the corridor radius, a 25% increase in participation from the phase one survey results.



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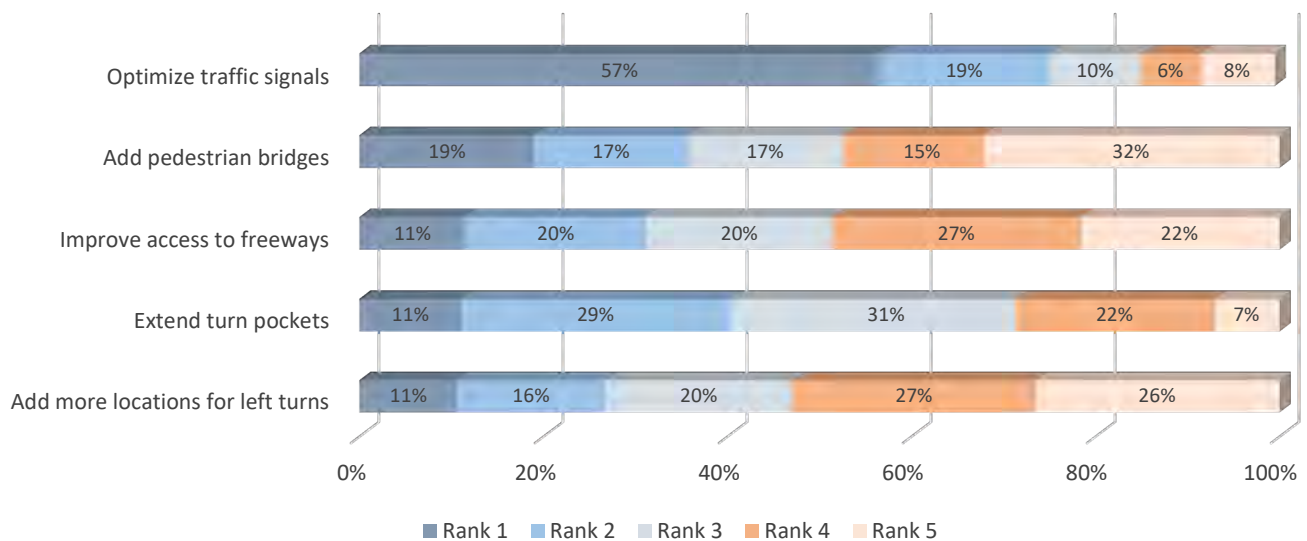
## Opportunities for Improvement

Drawing upon the Phase 1 Survey findings, four (4) questions were reintroduced to identify the rank importance of the top-five improvement priorities the first group of survey respondents had selected for each mode of travel. Optimized traffic signalization received the highest level of improvement support with a rank of 57%, while nearly half (46%) of respondents also favored the construction of a high-capacity transit system. Detail of these opportunity findings can be found in the charts and tables below.

In addition, the survey included an opportunity to provide additional comments at the end. The open-ended invitation allowed respondents to share, in their own words, concerns, praise, and comments for the consideration of future route improvements.

### What would you do to improve driving on Beach Boulevard?

(Rank 1-5 with 1 as top pick)



Option	Ranked #1*	Ranked #2*	Ranked #3*
Optimize traffic signals	637	209	112
Add pedestrian bridges	200	176	177
Improve access to freeways	120	206	212
Extend turn pockets (lanes)	112	313	331
Add more locations for left turns	110	168	212

\* Based upon 1,200 respondents

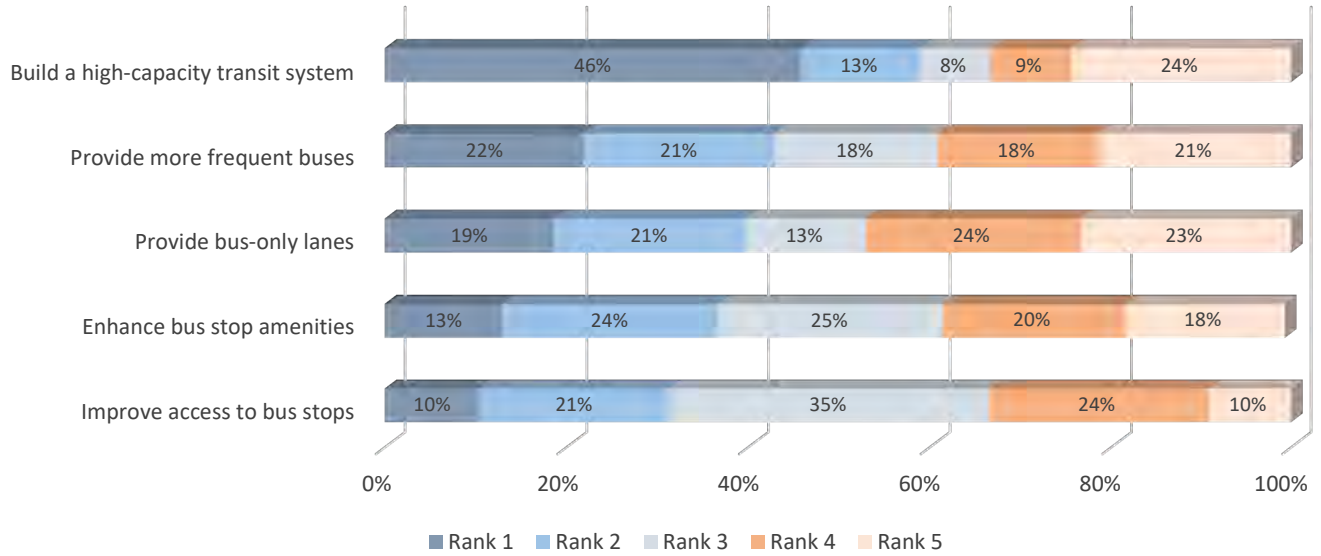
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### What would you do to improve transit service on Beach Boulevard?

(Rank 1-5 with 1 as top pick)



Option	Ranked #1*	Ranked #2*	Ranked #3*
Build a high capacity transit system	475	135	81
Provide more frequent buses	235	226	192
Provide bus-only lanes	194	221	138
Enhance bus stop amenities	135	250	260
Improve access to bus stops	106	210	361

\* Based upon 1,176 respondents

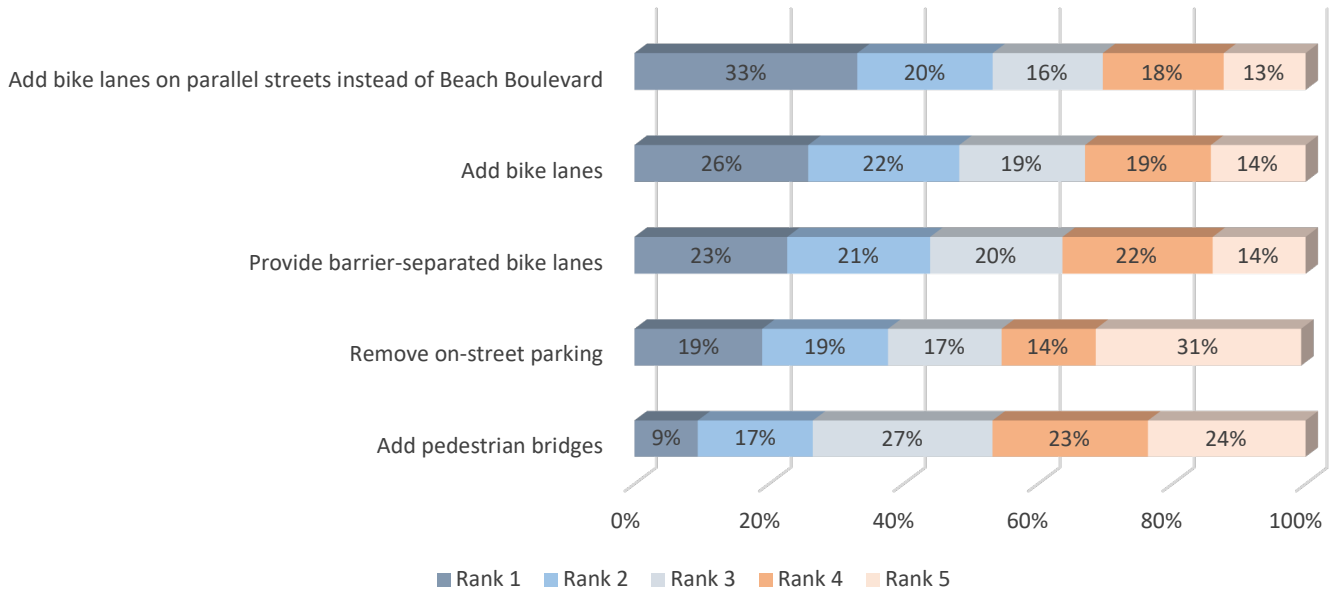
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### What would you do to improve bicycling on Beach Boulevard?

(Rank 1-5 with 1 as top pick)



Option	Ranked #1*	Ranked #2*	Ranked #3*
Add bike lanes on parallel streets instead of Beach Blvd	344	209	170
Add bike lanes	268	233	194
Provide barrier-separated bike lanes	232	217	201
Remove on-street parking	205	195	176
Add pedestrian bridges	94	171	267

\* Based upon 1,167 respondents



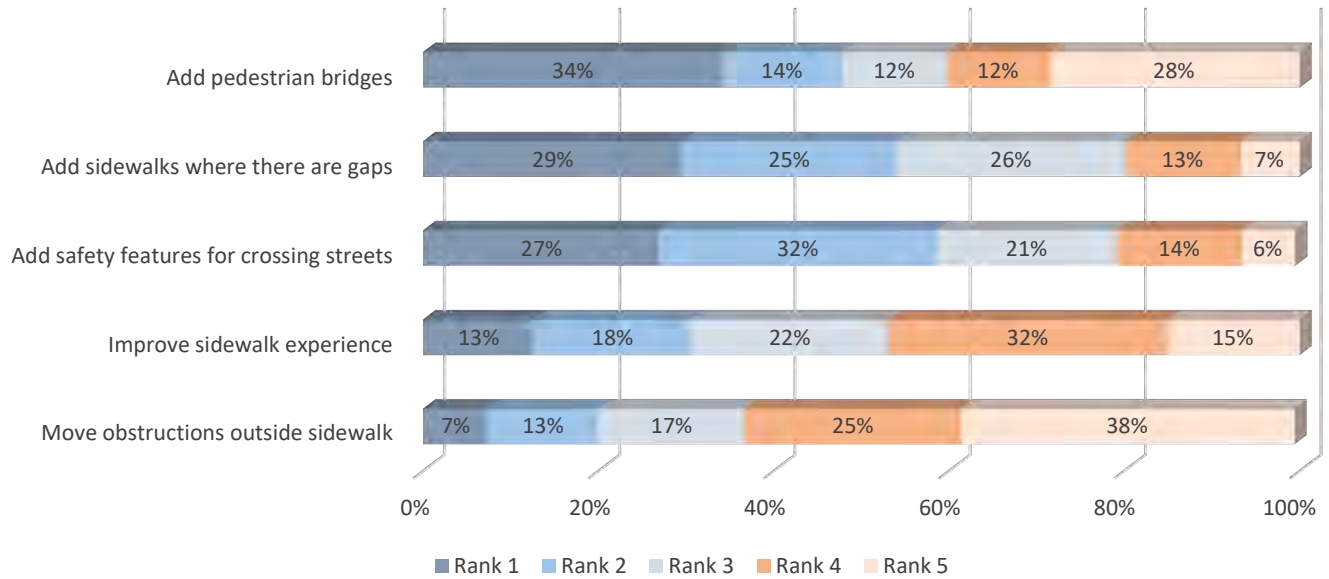
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### What would you do to improve walking on Beach Boulevard?

(Rank 1-5 with 1 as top pick)



Option	Ranked #1*	Ranked #2*	Ranked #3*
Add pedestrian bridges	353	142	124
Add sidewalks where there are gaps	317	264	281
Add safety features for crossing streets	285	336	219
Improve sidewalk experience	131	189	235
Move obstructions outside sidewalk	76	133	175

\* Based upon 1,186 respondents

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### Open-ended comments

Category	Count	Key Messages*
Aesthetics	17	<ul style="list-style-type: none"> <li>• Increase shade trees and green space</li> <li>• Model improvements after (Costa Mesa's) Harbor Blvd landscape medians, tree, and greenery</li> <li>• Model improvements after how it looks in La Habra or after Crown Valley Parkway in Laguna Niguel/Mission Viejo – more of a parkway with enhance green space, remove utility poles, and boxes, and make all medians the same from city to city with a level of congruity</li> <li>• Improve lighting for both streets and sidewalks</li> <li>• Lighting and garden walkways will encourage residents to walk more to local businesses</li> <li>• Remove or paint obstructions, such as utility boxes, to reduce hazards and impact on sidewalk</li> <li>• Add public mosaics at bus stops to deter graffiti and beautify (like in Garden Grove)</li> <li>• Beautify signage too!</li> <li>• Beach is a disgrace, ugly and blighted</li> <li>• No scheduled maintenance... garbage and weeds everywhere</li> <li>• Bury ugly, overhead power lines</li> <li>• Repack roads</li> <li>• Clean-up dilapidated areas and strip malls</li> <li>• Mandate property owners to improve curb appeal</li> <li>• Remove motels and distressed strip malls</li> <li>• Continued high density development with reduced setbacks and increased heights degrade the open-air beach feeling</li> </ul>
Bike Improvements	57	<ul style="list-style-type: none"> <li>• Biking is my preferred mode of travel</li> <li>• Bicycling is good for health and environment</li> <li>• The concept of “complete streets” means that streets are designed for all users, so relegating a safe place for bicyclists to another street is a non-solution</li> <li>• Bike facilities need to be on Beach to benefit Beach; focus on short trips (half- and one-mile) for commuters and shoppers who can't afford to drive</li> <li>• Add protected bike lanes so people feel safe using them and widen, like on Copenhagen</li> <li>• Bike lanes next to car lanes are a hazard to each other</li> <li>• I bike the river trail weekly, but severely reduced riding on the streets due to safety</li> <li>• Extend Coyote Creek Bikeway through La Mirada</li> <li>• Please don't take-away traffic lanes to allow for bikes...it would be a disaster</li> <li>• Scared to ride bike on Beach Blvd...WAY too dangerous to be on the street!!!</li> <li>• Gave-up biking because no shoulder</li> <li>• Use parking to separate bike lane</li> <li>• (Without protected bike lanes) it is not safe for kids to bike to school along busy roads</li> <li>• No such things as a “barrier protected bike lane” – it is no longer a lane if not part of the road lanes; call it a bikeway or cycle track</li> <li>• Keep bikes off Beach Blvd; there's too much traffic</li> <li>• No bike lanes on main arteries!!!</li> <li>• Move bikes to alternative streets</li> </ul>

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Category	Count	Key Messages*
		<ul style="list-style-type: none"> <li>• Newland has bike lanes; no need to ride on Beach Blvd</li> <li>• Nobody rides a bike on Beach Blvd, most use the sidewalk, which isn't good for pedestrians</li> <li>• DO NOT add bicycles to sidewalks; it's dangerous to pedestrians</li> <li>• The street is home to businesses in Orange County, so improve access to them for walkers, bikers, and drivers</li> <li>• Recently retired, I ride now more than ever. Especially for doctor's appointments on Beach Blvd</li> <li>• Businesses on Beach Blvd are not conducive to walking or biking to them</li> <li>• Need bike sharing services, such as Santa Monica and DTLA</li> </ul>
Bus Improvements	80	<ul style="list-style-type: none"> <li>• Enhanced transit is desperately needed</li> <li>• OCTA is definitely the best public transit service, and I've lived all over the State</li> <li>• I like the bus service</li> <li>• Those with disabilities and homeless need good transit</li> <li>• Please add more buses</li> <li>• Improve service frequency, travel times and connection, including late night</li> <li>• Beach Blvd bus has ok timing but other streets are horrible at times</li> <li>• If there were more transit options I would use transit more, but it takes two hours to travel nine miles</li> <li>• Need reliable BRT system with dedicated lanes and traffic signal priority, like Bravo on Harbor Blvd</li> <li>• More hybrid buses on Beach Blvd</li> <li>• I enjoy the OC Flex service and wish there were more vans and a larger coverage area</li> <li>• Double deck the northbound lane; slow to go south but quick for inlanders to go home</li> <li>• Even using double buses on weekends doesn't help</li> <li>• Why are there double buses during high traffic and only a few people on the bus?</li> <li>• Dedicate bus lane</li> <li>• Dedicated lanes will only make things worse</li> <li>• No buses...they impede traffic flow</li> <li>• Need more buses turnouts to prevent congestion</li> <li>• Buses are almost empty northbound between PCH and SR-22</li> <li>• I stopped taking the Beach Blvd bus, because I couldn't get on one (to over-filled with riders)</li> <li>• Buses should be accessed from the side street not Beach Blvd</li> <li>• Install Wi-Fi and charging plugs</li> <li>• Improve driver friendliness</li> <li>• OCTA has clean buses</li> <li>• Less smelly buses</li> <li>• No wet seats</li> <li>• 29/292 is my favorite route</li> <li>• New 29 route is confusing; if at Bella Terra (Gothard and Edinger), there is no bus to south 29, have to take the 70, which isn't close to Beach Blvd</li> </ul>

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Category	Count	Key Messages*
Bus Stop/ Amenities	19	<ul style="list-style-type: none"> <li>• Stops need to be BEFORE the intersection, not AFTER</li> <li>• Add curb cuts to all bus stops</li> <li>• Maintain bus stops and save the money</li> <li>• Bus stops have become homeless shelters...with no enforcement; no one at the city cares</li> <li>• Until homeless are removed from bus stops, making the bus areas nicer will only serve the homeless. Phone number for local police should be posted at bus stops to report crimes</li> <li>• Cities need to steam clean stops more frequently because of urine/smell</li> <li>• Add more benches and shade/rain shelter at ALL stops</li> <li>• Add stop flashers to alert bus drivers</li> <li>• Add public mosaics at bus stops to deter graffiti and beautify (like in Garden Grove)</li> <li>• Add closer stops to Main St</li> <li>• Move bus stop across the street from Mama's restaurant and Big Lots center to in front of Big Lots (Atlanta and Beach Blvd) to remove homeless from sleeping in bus stop in front of residential properties</li> </ul>
Connectivity/ Commute	25	<ul style="list-style-type: none"> <li>• My commute has increased by 20% in five years</li> <li>• Close entrances from Beach Blvd into residential areas, directing residential neighborhood access to parallel/perpendicular streets</li> <li>• Need Beach Blvd to SR-91 carpool connector</li> <li>• Beach Blvd is the only direct way access to Huntington Beach Pier</li> <li>• Bravo shouldn't go to Transit Center but to PCH</li> <li>• Expand the 529 bus route to the end of La Habra, to Beach/Imperial Hwy to connect with Norwalk Transit route 4, to Buena Park Metrolink Station, to the Talbert Sports Complex and to PCH</li> <li>• 29A should circle through Gothard Transit Center on every route</li> <li>• The 529 does not complete the service of the 29A; it should turn right on Edinger, right on Gothard, brake at transit terminal then continue like 29A</li> <li>• Need Bravo to Cerritos rather than using 50 to 39 connection</li> <li>• OCTA and other transit services need to work together to provide better county-to-county connected service at all times of the day</li> <li>• Beach transit is good; the problem is transfers to other routes that only come half as often</li> <li>• Buses on Beach don't connect well with Foothill Transit; there is an hour wait for OCTA</li> <li>• Huntington Beach needs a Park-N-Ride lot/system, because it is so far from the train system</li> </ul>
Fees/Incentives	9	<ul style="list-style-type: none"> <li>• Use tap card system (with back-door boarding)</li> <li>• Require advance pay to reduce boarding/un-boarding time</li> <li>• Bus passes should be available on phone app</li> <li>• Make OCTA fairs cheaper</li> <li>• Offer employer incentives to pass on to promote public transit</li> <li>• OCTA should provide free bus and transportation services to senior citizens</li> <li>• Metrolink monthly passes should allow free rides on OCTA buses</li> </ul>

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Category	Count	Key Messages*
		<ul style="list-style-type: none"> <li>• Provide free passes for participating in survey</li> </ul>
General	91	<ul style="list-style-type: none"> <li>• Improve other streets first, such as Brookhurst and Hacienda; improvements to Brookhurst would make it an alternative to Beach Blvd</li> <li>• Beach Blvd is a highway</li> <li>• California’s love to drive. Focus on private vehicles; anything else that increase traffic will just make people’s lives more miserable</li> <li>• I won’t use bus, bike or ANY useless TAXPAYER funded means of transportation</li> <li>• Don’t repeat mistakes of Venice Blvd in Los Angeles</li> <li>• Officials need to avoid corruption from money from bad grants which lead to the ruin of our freedoms to travel and use our cars</li> <li>• I rarely use or avoid Beach Blvd</li> <li>• Address prostitutes, homeless camps, and homeless median panhandling</li> <li>• Improve zoning, such as for nice hotels versus drug motels and homeless</li> <li>• No more high-density developments; bad idea</li> <li>• Beach Blvd has potential for transit-oriented hubs of residential and economic activity around major transit stops</li> <li>• Promote mixed-use and dense development on Beach Blvd</li> <li>• Pedestrian and bike corridors and outdoor space would be key improvements for the development of mixed-use projects</li> <li>• Beach Blvd should be used for commercial purposes, NOT residential</li> <li>• Make Beach Blvd businesses easier and safer to access</li> <li>• Consider using alley access to frontage businesses (like Hawthorne), instead of direct access from Beach Blvd</li> <li>• Keep fighting for more transit, density, shelters, etc...don’t listen to the NIMBY’s</li> <li>• OC feels stuck in the Stone Age, transit wise; look to San Francisco and Los Angeles for improvement ideas</li> <li>• A lot of improvements need between Buena Park to Anaheim</li> <li>• Thanks for working to improve conditions</li> <li>• Find solutions with the best bang for the buck</li> <li>• Repave between Crescent Ave and La Palma Ave; northbound on Beach Blvd is very rough</li> <li>• Complete improvements in a timely manner</li> <li>• No new construction until existing construction is complete</li> <li>• Look forward to seeing improvements implemented</li> <li>• Conduct survey on traffic conditions during Huntington Beach Air Show</li> </ul>
High-Capacity Transit	52	<ul style="list-style-type: none"> <li>• Light rail would <u>not</u> help my commute to work</li> <li>• Where would you fit light rail or monorail? And at what cost to taxpayers?</li> <li>• Use Union Pacific Railroad right-of-way or Beach Blvd median for new light rail</li> <li>• Has old rail line along Hoover, parallel to Beach Blvd, been considered as an option for Metrolink?</li> <li>• Cost and expense to build light rail is necessary</li> </ul>

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Category	Count	Key Messages*
		<ul style="list-style-type: none"> <li>• Eventually need a mass transit system like in New York, Washington DC, Seattle, Portland, Los Angeles, Bangkok, Japan, and throughout Europe</li> <li>• Absolutely incredible to have a commuter train</li> <li>• The lack of high quality train transport (in this country as exists in all other developed countries) is deplorable</li> <li>• I would use public transit more if light rail was available</li> <li>• Work with SCAG to close the gap between LA and OC County Line</li> <li>• Beach needs light rail, which is connected to Metrolink, Amtrak, Disneyland Resort, Angel’s Stadium, ARTIC, John Wayne Airport and major cities within Orange and Los Angeles Counties</li> <li>• Build an “O-Bahn busway” system (specialized dedicated track and drives on wheels) as opposed to BRT or streetcar</li> <li>• Dedicate high capacity transit with limited stops</li> <li>• Look into grade-separated light rail, elevated above traffic, like Disney monorail, or in subway below</li> <li>• Sensible, grade-separated rail will reduce traffic for auto commuters and especially for emergency vehicles...saves lives</li> <li>• If not light rail, catenary-power bus or streetcar would be good, since it’ll be good for the environment and increase visibility and thus ridership</li> <li>• Also, consider adding to light rail or streetcar to Harbor Blvd, Bolsa Ave/First St and to Katella Ave</li> </ul>
Pedestrian Improvements	42	<ul style="list-style-type: none"> <li>• Please, please, please make Beach Blvd useable for pedestrians</li> <li>• Improve pedestrian access to businesses</li> <li>• Add flashing lights, count signals, and pedestrian scrambles at intersections</li> <li>• Crossing points too far apart; more pedestrian crossing points</li> <li>• Add more 4-way stops, pedestrians need more right-of-way</li> <li>• Don't add crosswalks - people don't pay attention</li> <li>• Many people (often homeless) cross without right-of-way or even using a crosswalk</li> <li>• Add barriers to keep people from crossing mid-block</li> <li>• Please add over- or under-crossings, especially in Buena Park near the I-5 intersection</li> <li>• Pedestrian bridges would be nice as long as homeless don’t live in them</li> <li>• Pedestrian bridges not be suitable for disability, seniors, and those with fear of heights</li> <li>• Pedestrian bridges would look terrible and not a good thing at all around here</li> <li>• Making pedestrian-oriented is largely a waste of time and money</li> <li>• Nobody walks Beach besides homeless and prostitutes</li> <li>• I don't walk because a lot of scary people and nowhere to go on Beach Blvd</li> <li>• Don’t walk Beach Blvd due to car exhaust</li> <li>• I don’t see a reason to walk on Beach Blvd</li> <li>• Some people walk Beach Blvd every day to go to work</li> <li>• I walk to take the bus</li> <li>• Cannot drive due to eyesight, but walk and take the bus</li> <li>• Remove or paint obstructions, such as utility boxes, to reduce hazards and impact on sidewalk</li> </ul>

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Category	Count	Key Messages*
Safety	52	<ul style="list-style-type: none"> <li>• Safety first!</li> <li>• Increase traffic enforcement, especially speed limits</li> <li>• Time traffic lights and add more stops and lights to slow traffic speeds and improve safety</li> <li>• Address unsafe pedestrian and bike crossing</li> <li>• Some businesses create an unsafe environment</li> <li>• Too dangerous to walk or bike</li> <li>• People hanging-out at all times of day; get drunks, addicts, gangs, prostitutes, vagrants, and those with mental issues off the streets, because they accost pedestrians and cyclists, especially women</li> <li>• Bus stops not safe due to homeless living in them</li> <li>• Reduce tripping hazards on sidewalks</li> </ul>
Traffic/ Circulation	116	<ul style="list-style-type: none"> <li>• I avoid Beach as much as possible; too congested to drive</li> <li>• NO ROAD DIET!!!!</li> <li>• Don't you DARE turn Beach Blvd into what is happening in Venice Beach, aka "The Great Squeeze"</li> <li>• Removing a traffic lane would be a disaster and only serve to push traffic to other streets</li> <li>• Its 99% cars...concentrate on that – nothing against walkers and bikers</li> <li>• Make it easier and faster for cars</li> <li>• Cars ruin cities and do not deserve to be given priority over everything else</li> <li>• Improve public transit; no more car-centric lifestyle</li> <li>• Slow down traffic</li> <li>• Don't reduce speed limit</li> <li>• Lowering the speed limit won't help, because people already drive 10 mph slower</li> <li>• Synchronize lights, especially at highway connections</li> <li>• Synced traffic signals will make street racing easier</li> <li>• There are problems with the Lampson and Edinger lights</li> <li>• Make it wider; more lanes</li> <li>• Don't think of widening it because of the cost</li> <li>• Adding more lanes will make traffic worse</li> <li>• Make it a more elegant thoroughfare</li> <li>• Enhance/add left- and right-turn lanes</li> <li>• Great street, just improve where lanes taper from 4 to 3 or 3 to 2</li> <li>• Mandatory turn-outs for buses to improve traffic flow</li> <li>• Remove street parking to enhance safety and traffic flow greatly!</li> <li>• Super intersections should be multi-level to ease congestion and facilitate freeway connections</li> <li>• Limit the smart streets</li> <li>• I-5/Beach Blvd intersection is the worst traffic snarl</li> <li>• Portos egress is dangerous when a u-turn is necessary to go south</li> <li>• Pay more attention to La Habra where Beach Blvd ends and turns around</li> <li>• A raised Elon Musk Hyperloop system from the Beach all the way up to Whittier would eliminate the demand for buses on Beach!</li> </ul>

\* Based upon 400 open-ended comment responses. Key messages are not listed in any particular order.



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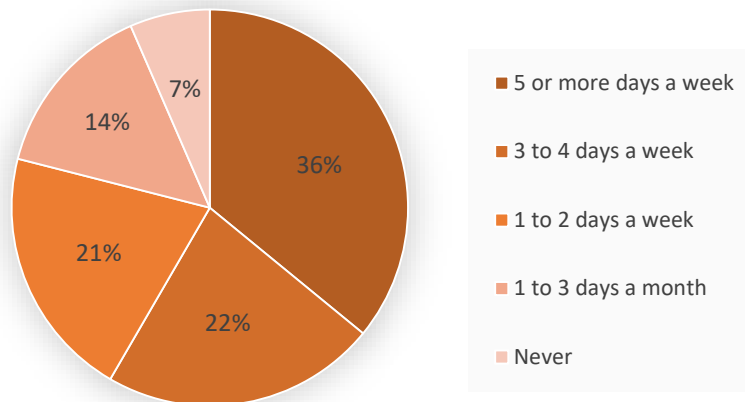
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## Habits, Use & Conditions to Improve

The primary focus of this survey was to assess conditions which might transform travelers' habits and use of Beach Boulevard for each mode of travel. Ten (10) questions were asked to measure survey participants' current habits and identify their likelihood to change provided given improvements. These questions established the respondents' perspective on the next steps to implementing programmatic improvements along the route.

### Currently, I drive on Beach Boulevard:



Option	Total*
5 or more days a week	429
3 to 4 days a week	268
1 to 2 days a week	246
1 to 3 days a month	173
Never	78

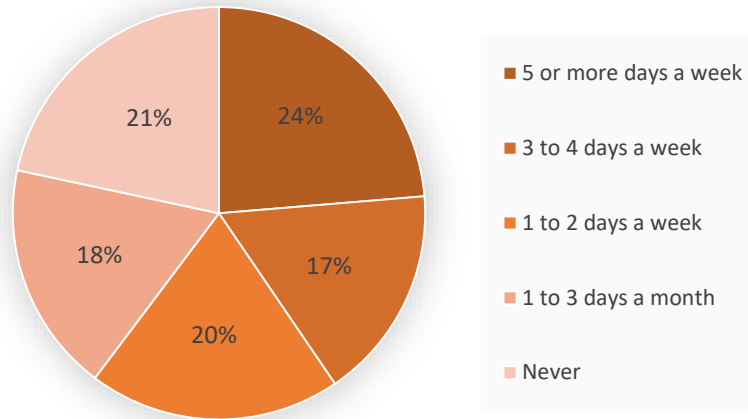
\* Based upon 1,194 respondents

## Beach Boulevard Corridor Study

### Phase 2: Summary of Survey Results

January 30, 2020

### If driving speed limits were reduced to enhance safety, I would drive on Beach Boulevard:



Option	Total*
5 or more days a week	279
3 to 4 days a week	198
1 to 2 days a week	233
1 to 3 days a month	213
Never	255

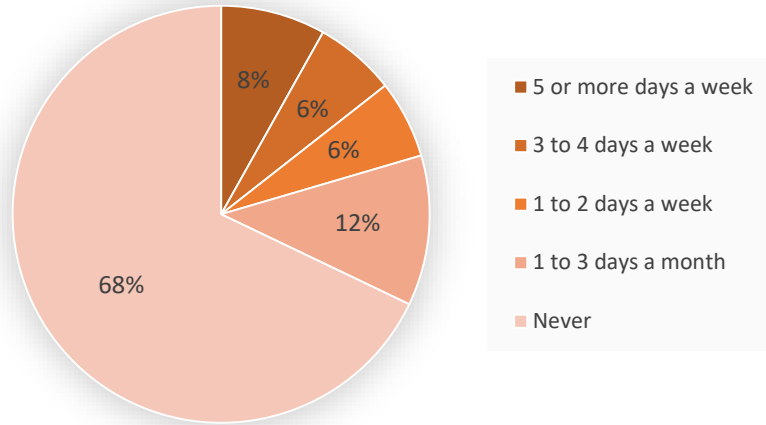
\* Based upon 1,178 respondents

# Beach Boulevard Corridor Study

## Phase 2: Summary of Survey Results

January 30, 2020

### Currently, I use transit on Beach Boulevard:



Option	Total*
5 or more days a week	97
3 to 4 days a week	75
1 to 2 days a week	72
1 to 3 days a month	139
Never	810

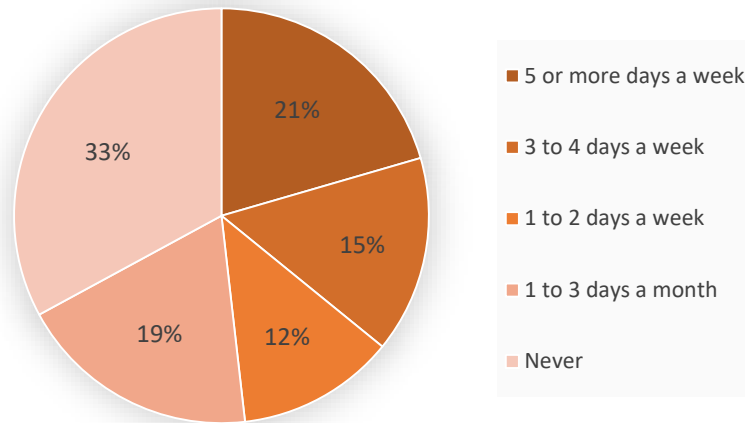
\* Based upon 1,193 respondents

## Beach Boulevard Corridor Study

### Phase 2: Summary of Survey Results

January 30, 2020

**If transit travel time was improved using transit-only lanes or technology to enhance traffic signal timing, I would use transit on Beach Boulevard:**



Option	Total*
5 or more days a week	243
3 to 4 days a week	182
1 to 2 days a week	146
1 to 3 days a month	224
Never	390

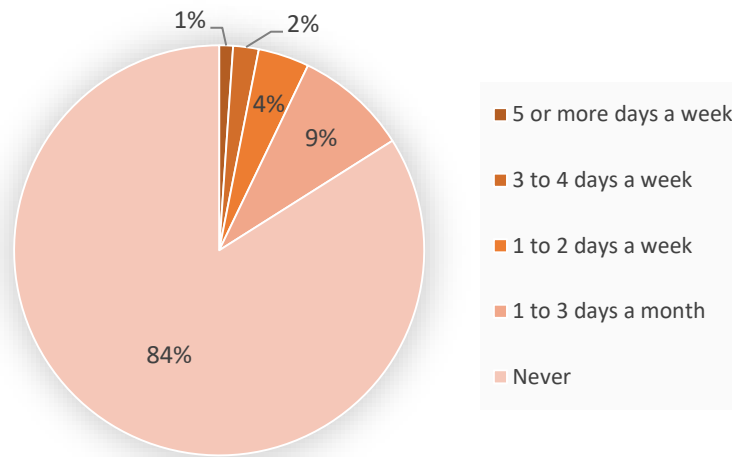
\* Based upon 1,185 respondents

## Beach Boulevard Corridor Study

### Phase 2: Summary of Survey Results

January 30, 2020

#### Currently, I ride a bike on Beach Boulevard:



Option	Total*
5 or more days a week	13
3 to 4 days a week	24
1 to 2 days a week	48
1 to 3 days a month	106
Never	1,001

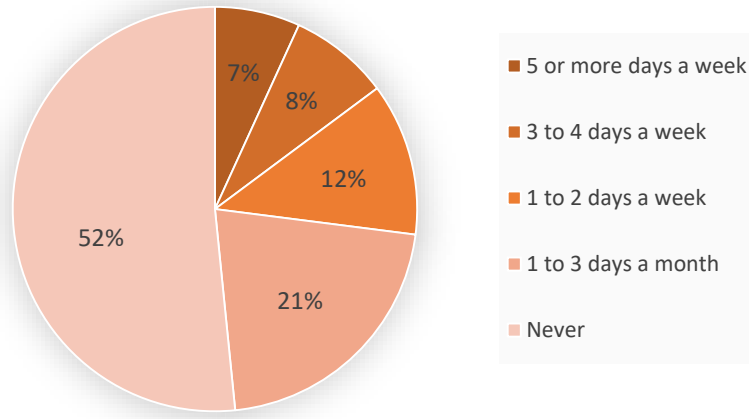
\* Based upon 1,192 respondents

## Beach Boulevard Corridor Study

### Phase 2: Summary of Survey Results

January 30, 2020

#### If biking on sidewalks were allowed or protected bikeways were provided, I would bike on Beach Boulevard:



Option	Total*
5 or more days a week	81
3 to 4 days a week	95
1 to 2 days a week	145
1 to 3 days a month	254
Never	613

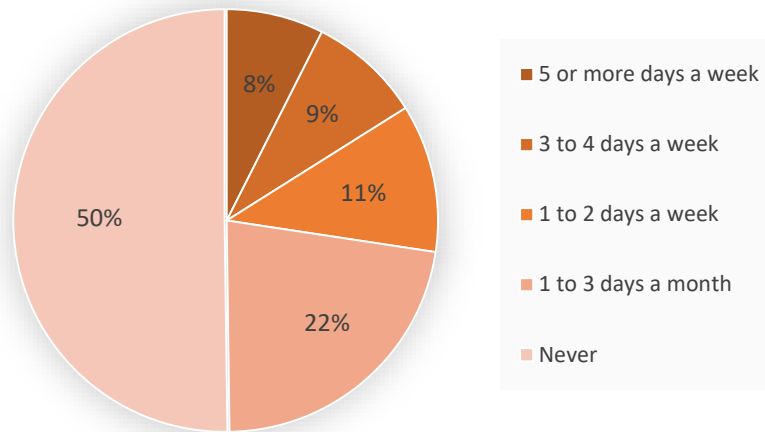
\* Based upon 1,188 respondents

## Beach Boulevard Corridor Study

### Phase 2: Summary of Survey Results

January 30, 2020

**If bike access was improved by having bicycle lanes on parallel streets or better connections to and from Beach Boulevard, I would bike on Beach Boulevard:**



Option	Total*
5 or more days a week	88
3 to 4 days a week	102
1 to 2 days a week	134
1 to 3 days a month	265
Never	594

\* Based upon 1,183 respondents

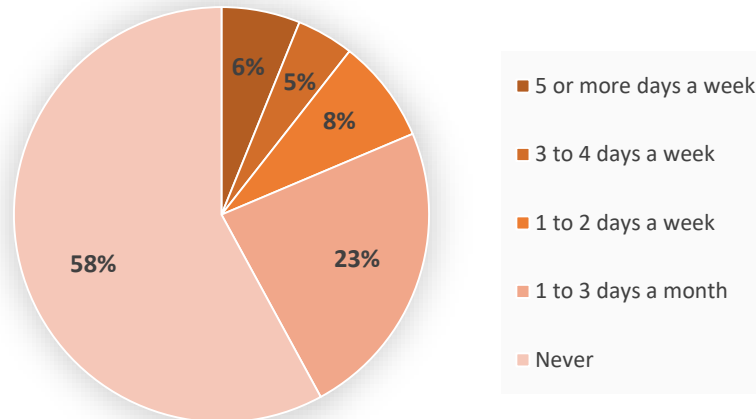


## Beach Boulevard Corridor Study

### Phase 2: Summary of Survey Results

January 30, 2020

#### Currently, I walk along Beach Boulevard:



Option	Total*
5 or more days a week	73
3 to 4 days a week	53
1 to 2 days a week	96
1 to 3 days a month	279
Never	690

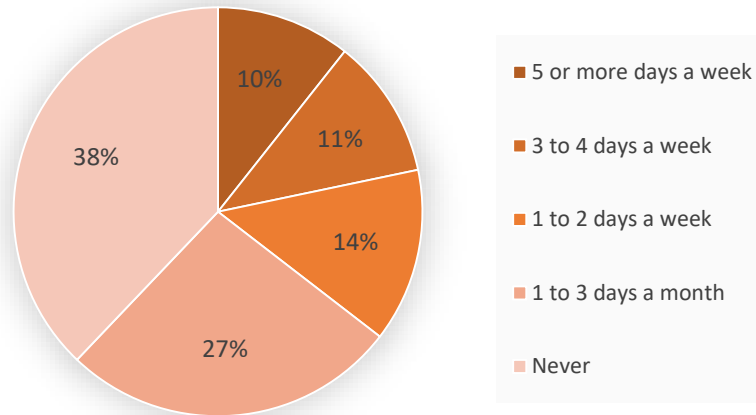
\* Based upon 1,191 respondents

## Beach Boulevard Corridor Study

### Phase 2: Summary of Survey Results

January 30, 2020

**If walking conditions on sidewalks were improved with better lighting or wider sidewalks, I would walk along Beach Boulevard:**



Option	Total*
5 or more days a week	127
3 to 4 days a week	132
1 to 2 days a week	164
1 to 3 days a month	318
Never	452

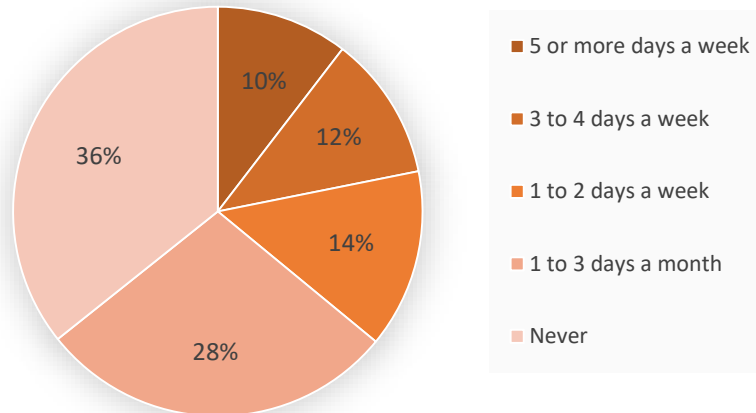
\* Based upon 1,193 respondents

## Beach Boulevard Corridor Study

### Phase 2: Summary of Survey Results

January 30, 2020

**If street crossings were improved with enhanced crosswalks, more frequent crossings or shorter crossing distances by extending sidewalks or curbs, I would walk on Beach Boulevard:**



Option	Total*
5 or more days a week	124
3 to 4 days a week	136
1 to 2 days a week	168
1 to 3 days a month	337
Never	425

\* Based upon 1,190 respondents

# Beach Boulevard Corridor Study

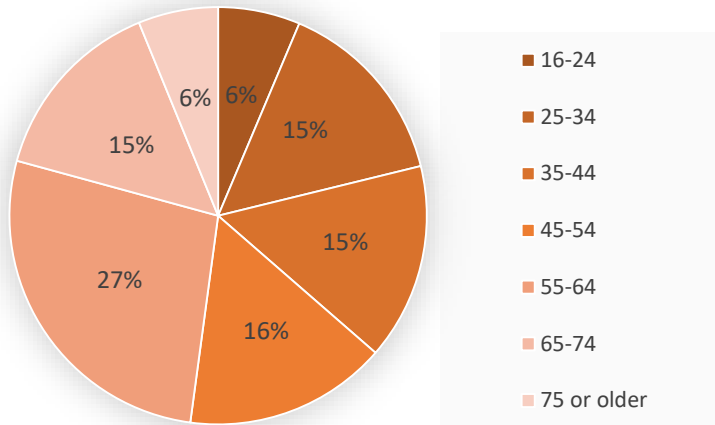
## Phase 2: Summary of Survey Results

January 30, 2020

### Demographics

This survey included three (3) questions assessing the age, ethnicity and income of the respondent population.

#### What is your age range?



Option	Total*
16-24	76
25-34	177
35-44	182
45-54	188
55-64	324
65-74	174
75 or older	74

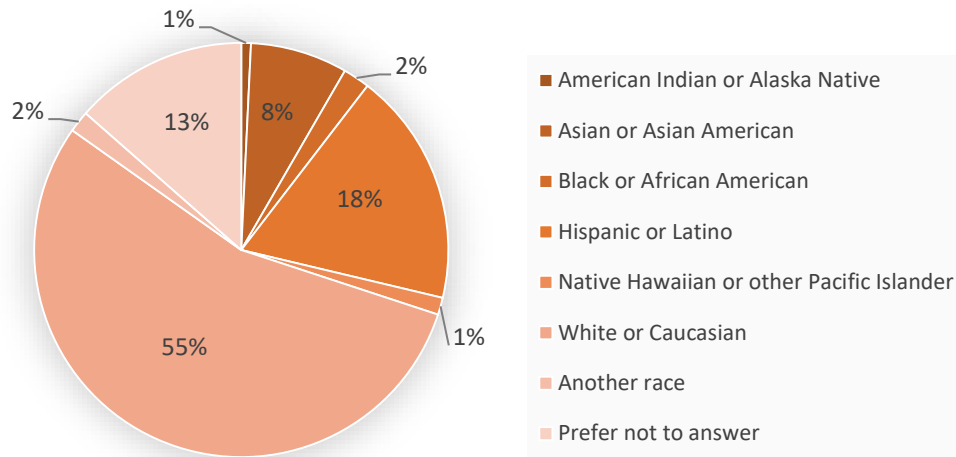
\* Based upon 1,195 respondents

## Beach Boulevard Corridor Study

### Phase 2: Summary of Survey Results

January 30, 2020

### Which race/ethnicity best describes you?



Option	Total*
American Indian or Alaska Native	9
Asian or Asian American	91
Black or African American	25
Hispanic or Latino	219
Native Hawaiian or other Pacific Islander	16
White or Caucasian	656
Another race	20
Prefer not to answer	162

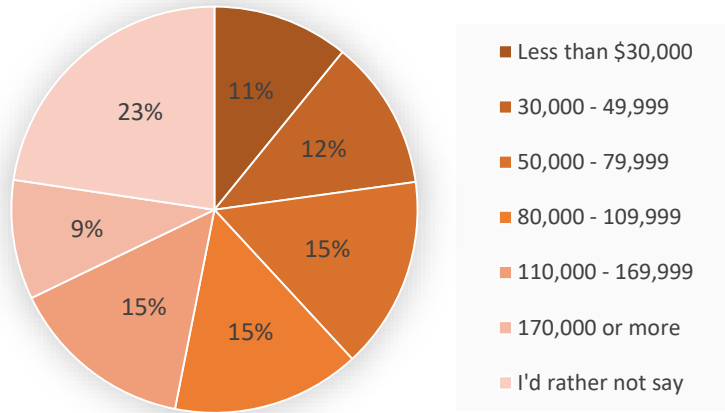
\* Based upon 1,198 respondents

# Beach Boulevard Corridor Study

## Phase 2: Summary of Survey Results

January 30, 2020

### What is your combined annual household income?



Option	Total*
Less than \$30,000	129
30,000 - 49,999	142
50,000 - 79,999	182
80,000 - 109,999	178
110,000 - 169,999	175
170,000 or more	113
I'd rather not say	269

\* Based upon 1,188 respondents

## **Beach Boulevard Corridor Study**

### ***Phase 2: Summary of Survey Results***

January 30, 2020

## **Database Development**

### **Please enter your email**

A total of 836 email contacts were received. These individuals were included in follow-up notifications, which included the sharing of the Phase 2 events video, survey highlights, and a final study update.

## **CONCLUSION**

The input collected from the public outreach efforts throughout this study provides a foundation for future stages of development by the corridor cities and Caltrans. As with the Phase 1 Survey, respondents recognize the need to address congestion, implement improvements to service and function, and enhance safety for all modes of travel. Survey participants indicated they want and need an effective and efficient corridor with improved signalization and traffic flow as well as enhanced transit service and optimized circulation for pedestrians and bicyclists.



# APPENDIX

# Appendix A

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*Online Survey:*

English

Spanish

Vietnamese



BEACH BLVD

39

## Beach Boulevard Corridor Study - Second Community Survey

Ⓞ PAGE TITLE

**Thanks for your interest to transform Beach Boulevard from the coast to La Habra.** This is the second Beach study survey and an important step to help shape the street's transportation future

Conteste la encuesta en Español: [LINK](#)

Tham gia cuộc khảo sát này bằng tiếng Việt: [LINK](#)

1. What is your home zip code?

2. What would you do to improve driving on Beach Boulevard?  
(rank 1-5 with 1 as top pick)

☰  Add more locations for left turns

☰  Add pedestrian bridges

☰  Extend turn pockets (lanes)

☰  Improve access to freeways

☰  Optimize traffic signals

### 3. What would you do to improve transit service on Beach Boulevard?

(rank 1-5 with 1 as top pick)

⌵	⌵	Build a high-capacity transit system (light rail, streetcar, or bus rapid transit)
⌵	⌵	Enhance bus stop amenities (shelter, trash cans, seating, space)
⌵	⌵	Improve access to bus stops (enhanced biking and walking facilities)
⌵	⌵	Provide bus-only lanes
⌵	⌵	Provide more frequent buses

### 4. What would you do to improve bicycling on Beach Boulevard?

(rank 1-5 with 1 as top pick)

⌵	⌵	Add bike lanes
⌵	⌵	Add bike lanes on parallel streets instead of Beach Boulevard
⌵	⌵	Add pedestrian bridges
⌵	⌵	Provide barrier-separated bike lanes
⌵	⌵	Remove on-street parking

### 5. What would you do to improve walking on Beach Boulevard?

(rank 1-5 with 1 as top pick)

⌵	⌵	Add pedestrian bridges
⌵	⌵	Add safety features for crossing streets (pedestrian median island, pedestrian count-signals, flashing lights)
⌵	⌵	Add sidewalks where there are gaps
⌵	⌵	Improve sidewalk experience (landscape buffer, shading, lighting)
⌵	⌵	Move obstructions outside sidewalk (utility boxes, power poles)

6. Currently, I drive on Beach Boulevard:

- 5 or more days a week
- 3 to 4 days a week
- 1 to 2 days a week
- 1 to 3 days a month
- Never

7. If driving speed limits were reduced to enhance safety, I would drive on Beach Boulevard:

- 5 or more days a week
- 3 to 4 days a week
- 1 to 2 days a week
- 1 to 3 days a month
- Never

8. Currently, I use transit on Beach Boulevard:

- 5 or more days a week
- 3 to 4 days a week
- 1 to 2 days a week
- 1 to 3 days a month
- Never

9. If transit travel time was improved using transit-only lanes or technology to enhance traffic signal timing, I would use transit on Beach Boulevard:

- 5 or more days a week
- 3 to 4 days a week
- 1 to 2 days a week
- 1 to 3 days a month
- Never

10. Currently, I ride a bike on Beach Boulevard:

- 6 or more days a week
- 3 to 4 days a week
- 1 to 2 days a week
- 1 to 3 days a month
- Never

11. If biking on sidewalks were allowed or protected bikeways were provided, I would bike on Beach Boulevard:

- 6 or more days a week
- 3 to 4 days a week
- 1 to 2 days a week
- 1 to 3 days a month
- Never

12. If bike access was improved by having bicycle lanes on parallel streets or better connections to and from Beach Boulevard, I would bike on Beach Boulevard:

- 6 or more days a week
- 3 to 4 days a week
- 1 to 2 days a week
- 1 to 3 days a month
- Never

13. Currently, I walk along Beach Boulevard:

- 6 or more days a week
- 3 to 4 days a week
- 1 to 2 days a week
- 1 to 3 days a month
- Never

14. If walking conditions on sidewalks were improved with better lighting or wider sidewalks, I would walk along Beach Boulevard:

- 6 or more days a week
- 3 to 4 days a week
- 1 to 2 days a week
- 1 to 3 days a month
- Never

15. If street crossings were improved with enhanced crosswalks, more frequent crossings or shorter crossing distances by extending sidewalks or curbs, I would walk on Beach Boulevard:

- 6 or more days a week
- 3 to 4 days a week
- 1 to 2 days a week
- 1 to 3 days a month
- Never

16. Thanks for your input! Now please tell us a little about yourself.

What is your age range?

- 16-24
- 25-34
- 35-44
- 45-54
- 55-64
- 65-74
- 75 or older

17. Which race/ethnicity best describes you?


- American Indian or Alaska Native
- Asian or Asian American
- Black or African American
- Hispanic or Latino
- Native Hawaiian or other Pacific Islander
- White or Caucasian
- Another race
- Prefer not to answer

18. What is your combined annual household income?

- Less than \$29,000
- \$30,000-\$49,000
- \$50,000-\$79,000
- \$80,000-\$109,000
- \$110,000-\$169,000
- \$170,000 or more
- Prefer not to answer

19. Please enter your email:

20. Provide additional comments here

 NEW QUESTION



or Copy and paste questions

36 | Page





## Estudio del Corredor Beach Boulevard - Segunda Encuesta Comunitaria

PAGE TITLE

**Gracias por su interés en la transformación de Beach Boulevard desde la costa hasta La Habra.** Esta es la segunda encuesta del estudio de Beach Boulevard, y un paso importante para ayudar a dar forma al futuro del transporte de esta calle.

1. ¿Cuál es el código postal de su hogar?

2. ¿Qué haría para mejorar la experiencia de conducir en Beach Boulevard? (clasifique del 1 a 5 las siguientes opciones, con el 1 representando su primera elección)

☰	⬇	Agregar más secciones para hacer giros a la izquierda.
☰	⬇	Agregar puentes peatonales
☰	⬇	Prolongar las secciones para hacer giros (carriles)
☰	⬇	Mejorar el acceso a las autopistas
☰	⬇	Optimizar las señales de tráfico

3. ¿Qué haría para mejorar el servicio de transporte público en Beach Boulevard? (clasifique del 1 a 5 las siguientes opciones, con el 1 representando su primera elección)

☰	⬇	Construir un sistema de transporte público de alta capacidad (tren ligero, tranvía o autobús de tránsito rápido)
☰	⬇	Mejore los servicios de autobús (portabicicletas, abordaje por todas las puertas)
☰	⬇	Mejorar el acceso a las paradas de autobús (instalaciones mejoradas para peatones y ciclistas)
☰	⬇	Proporcionar carriles exclusivos para autobuses
☰	⬇	Proporcionar un servicio de autobús más frecuente

4. ¿Qué haría para mejorar la experiencia de viajar en bicicleta en Beach Boulevard? (clasifique del 1 al 5 las siguientes opciones, con el 1 representando su primera elección)

<input type="checkbox"/>	<input type="checkbox"/>	Agregar carriles para bicicletas
<input type="checkbox"/>	<input type="checkbox"/>	Agregar carriles para bicicletas en calles paralelas en lugar de Beach Boulevard
<input type="checkbox"/>	<input type="checkbox"/>	Agregar puentes peatonales
<input type="checkbox"/>	<input type="checkbox"/>	Proporcionar carriles para bicicletas separados por barreras
<input type="checkbox"/>	<input type="checkbox"/>	Eliminar el estacionamiento en la calle

5. ¿Qué haría para mejorar la experiencia peatonal en Beach Boulevard? (clasifique del 1 al 5 las siguientes opciones, con el 1 representando su primera elección)

<input type="checkbox"/>	<input type="checkbox"/>	Agregar puentes peatonales
<input type="checkbox"/>	<input type="checkbox"/>	Agregar características de seguridad para el cruce de calles (isla de mediana peatonal, señales de conteo peatonales, luces intermitentes)
<input type="checkbox"/>	<input type="checkbox"/>	Agregar aceras donde hacen falta
<input type="checkbox"/>	<input type="checkbox"/>	Mejorar la experiencia en las aceras (jardinería en los amortiguadores de las aceras, sombras, iluminación)
<input type="checkbox"/>	<input type="checkbox"/>	Reubicar las obstrucciones fuera de las aceras (cajas de servicios públicos, postes eléctricos)

6. Actualmente, conduzco en Beach Boulevard:

- 6 o más días a la semana
- 3 a 4 días a la semana
- 1 a 2 días a la semana
- 1 a 3 días al mes
- Nunca

7. Si se redujeran los límites de velocidad para mejorar la seguridad, conduciría en Beach Boulevard:

- 6 o más días a la semana
- 3 a 4 días a la semana
- 1 a 2 días a la semana
- 1 a 3 días al mes
- Nunca

8. Actualmente, utilizo el transporte público en Beach Boulevard:

- 6 o más días a la semana
- 3 a 4 días a la semana
- 1 a 2 días a la semana
- 1 a 3 días al mes
- Nunca

9. Si se mejoraran los tiempos de viaje con carriles exclusivos para los vehículos del transporte público o se utilizara tecnología para mejorar la coordinación de los semáforos, utilizaría el transporte público en Beach Boulevard:

- 6 o más días a la semana
- 3 a 4 días a la semana
- 1 a 2 días a la semana
- 1 a 3 días al mes
- Nunca

10. Actualmente, viajo en bicicleta en Beach Boulevard:

- 6 o más días a la semana
- 3 a 4 días a la semana
- 1 a 2 días a la semana
- 1 a 3 días al mes
- Nunca

11. Si se permitiera andar en bicicleta en las aceras o hubiera carriles para bicicletas protegidos, andaría en bicicleta en Beach Boulevard:

- 6 o más días a la semana
- 3 a 4 días a la semana
- 1 a 2 días a la semana
- 1 a 3 días al mes
- Nunca

12. Si se mejorara el acceso para las bicicletas con carriles para bicicletas en las calles paralelas, o si hubiera mejores conexiones hacia y desde Beach Boulevard, andaría en bicicleta en Beach Boulevard:

- 6 o más días a la semana
- 3 a 4 días a la semana
- 1 a 2 días a la semana
- 1 a 3 días al mes
- Nunca

13. Actualmente, camino en Beach Boulevard:

- 6 o más días a la semana
- 3 a 4 días a la semana
- 1 a 2 días a la semana
- 1 a 3 días al mes
- Nunca

14. Si las condiciones para caminar en las aceras se mejoraran con una mejor iluminación o aceras más anchas, caminaría en Beach Boulevard:

- 6 o más días a la semana
- 3 a 4 días a la semana
- 1 a 2 días a la semana
- 1 a 3 días al mes
- Nunca

15. Si se mejoraran los cruces en las calles con mejores cruces peatonales, cruces más frecuentes o distancias de cruce más cortas al extender las aceras o bordillos, caminaría en Beach Boulevard:

- 6 o más días a la semana
- 3 a 4 días a la semana
- 1 a 2 días a la semana
- 1 a 3 días al mes
- Nunca

16. ¡Gracias por su compartirnos su opinión! Ahora por favor cuéntenos un poco sobre usted.

¿Cuál es su rango de edad?

- 16-24
- 25-34
- 35-44
- 45-54
- 55-64
- 65-74
- 75 años o mayor

17. ¿Qué raza/grupo étnico lo describe mejor?

- Indio americano o nativo de Alaska
- Asiático o asiático americano
- De raza negra o afroamericano
- Hispano o latino
- Nativo de Hawái o de las islas del Pacífico
- De raza blanca o caucásico
- Otra raza
- Prefiero no responder




18. ¿Cuál es su ingreso familiar anual combinado?

- Menos de \$29,000
- \$30,000-\$49,000
- \$50,000-\$79,000
- \$80,000-\$109,000
- \$110,000-\$169,000
- \$170,000 o más
- Prefiero no responder

19. Por favor, ingrese su correo electrónico:

20. Provea comentarios adicionales aquí:

 NEW QUESTION



or Copy and paste questions

LISTO

Desarrollado por



Ve lo fácil que es crear una encuesta.



## Nghiên cứu Hành lang Beach Boulevard - Khảo sát cộng đồng thứ hai

Ⓞ PAGE TITLE

**Cảm ơn sự quan tâm của bạn đến việc biến đổi Beach Boulevard từ bờ biển đến La Habra.** Đây là cuộc khảo sát nghiên cứu bãi biển thứ hai và là một bước quan trọng để giúp định hình giao thông đường phố trong tương lai.

### 1. Mã zip nhà bạn là gì?

### 2. Bạn sẽ làm gì để cải thiện việc lái xe trên Beach Boulevard? (xếp hạng 1-5 với 1 là lựa chọn hàng đầu)

- Thêm nhiều địa điểm rẽ trái hơn
- Thêm cầu đi bộ
- Mở rộng các làn rẽ (làn đường)
- Cải thiện ngã tiếp cận vào đường cao tốc
- Tối ưu hóa tín hiệu giao thông

### 3. Bạn sẽ làm gì để cải thiện dịch vụ vận chuyển trên Beach Boulevard? (xếp hạng 1-5 với 1 là lựa chọn hàng đầu)

- Xây dựng hệ thống vận chuyển công suất cao (đường sắt nhẹ, xe điện hoặc xe buýt tốc hành)
- Tăng cường tiện nghi trạm xe buýt (chỗ che, thùng rác, chỗ ngồi, không gian)
- Cải thiện ngã tiếp cận vào các trạm xe buýt (cải thiện đường đi bộ và đi xe đạp)
- Cung cấp làn đường chỉ dành cho xe buýt
- Cung cấp xe buýt thường xuyên hơn

4. Bạn sẽ làm gì để cải thiện việc đi xe đạp trên Beach Boulevard? (xếp hạng 1-5 với 1 là lựa chọn hàng đầu)

⋮	⌵	Thêm làn đường dành cho xe đạp
⋮	⌵	Thêm làn đường cho xe đạp trên những con đường song song thay vì Beach Boulevard
⋮	⌵	Thêm cầu đi bộ
⋮	⌵	Cung cấp làn đường dành cho xe đạp được tách riêng bởi phân chắn
⋮	⌵	Hủy bỏ bãi đậu xe trên đường

5. Bạn sẽ làm gì để cải thiện việc đi bộ trên Beach Boulevard? (xếp hạng 1-5 với 1 là lựa chọn hàng đầu)

⋮	⌵	Thêm cầu đi bộ
⋮	⌵	Thêm các tính năng an toàn để băng qua đường (địa điểm chờ an toàn cho người đi bộ, tín hiệu đếm cho người đi bộ, đèn nhấp nháy)
⋮	⌵	Thêm lề đường nơi có khoảng trống
⋮	⌵	Cải thiện trải nghiệm đi trên lề đường (cảnh quan, bóng râm, đèn chiếu sáng)
⋮	⌵	Di dời vật cản bên ngoài vỉa hè (hộp tiện ích, cột điện)

6. Hiện tại, tôi lái xe trên Beach Boulevard:

- 6 ngày trở lên trong một tuần
- 3 đến 4 ngày một tuần
- 1 đến 2 ngày một tuần
- 1 đến 3 ngày một tháng
- Không bao giờ



7. Nếu hạn mức tốc độ lái xe được giảm để tăng cường an toàn, tôi sẽ lái xe trên Beach Boulevard:

- 6 ngày trở lên trong một tuần
- 3 đến 4 ngày một tuần
- 1 đến 2 ngày một tuần
- 1 đến 3 ngày một tháng
- Không bao giờ

8. Hiện tại, tôi sử dụng phương tiện giao thông công cộng trên Beach Boulevard:

- 6 ngày trở lên trong một tuần
- 3 đến 4 ngày một tuần
- 1 đến 2 ngày một tuần
- 1 đến 3 ngày một tháng
- Không bao giờ

9. Nếu thời gian di chuyển của phương tiện giao thông công cộng được cải thiện bằng cách sử dụng làn đường chỉ dành cho phương tiện giao thông công cộng hoặc công nghệ để tăng cường thời gian chuyển pha tín hiệu, tôi sẽ sử dụng phương tiện giao thông công cộng trên Beach Boulevard:

- 6 ngày trở lên trong một tuần
- 3 đến 4 ngày một tuần
- 1 đến 2 ngày một tuần
- 1 đến 3 ngày một tháng
- Không bao giờ

10. Hiện tại, tôi đi xe đạp trên Beach Boulevard:

- 6 ngày trở lên trong một tuần
- 3 đến 4 ngày một tuần
- 1 đến 2 ngày một tuần
- 1 đến 3 ngày một tháng
- Không bao giờ

11. Nếu việc đi xe đạp trên vỉa hè được cho phép hoặc đường xe đạp được bảo vệ được cung cấp, tôi sẽ đi xe đạp trên Beach Boulevard:

- 6 ngày trở lên trong một tuần
- 3 đến 4 ngày một tuần
- 1 đến 2 ngày một tuần
- 1 đến 3 ngày một tháng
- Không bao giờ

12. Nếu đường cho xe đạp được cải thiện bằng cách có làn đường dành cho xe đạp trên các con đường song song hoặc có kết nối tốt hơn để đến và đi từ Beach Boulevard, tôi sẽ đạp xe trên Beach Boulevard:

- 6 ngày trở lên trong một tuần
- 3 đến 4 ngày một tuần
- 1 đến 2 ngày một tuần
- 1 đến 3 ngày một tháng
- Không bao giờ

13. Hiện tại, tôi đi bộ dọc theo Beach Boulevard:

- 6 ngày trở lên trong một tuần
- 3 đến 4 ngày một tuần
- 1 đến 2 ngày một tuần
- 1 đến 3 ngày một tháng
- Không bao giờ

14. Nếu điều kiện đi bộ trên vỉa hè được cải thiện với ánh sáng tốt hơn hoặc vỉa hè rộng hơn, tôi sẽ đi bộ dọc theo Beach Boulevard:

- 6 ngày trở lên trong một tuần
- 3 đến 4 ngày một tuần
- 1 đến 2 ngày một tuần
- 1 đến 3 ngày một tháng
- Không bao giờ

15. Nếu ngã ba đường phố được cải thiện với lối băng qua đường được nâng cao, nhiều lối qua đường thường xuyên hơn hoặc khoảng cách băng qua đường ngắn hơn bằng cách mở rộng vỉa hè hoặc lề đường, tôi sẽ đi bộ trên Beach Boulevard:

- 6 ngày trở lên trong một tuần
- 3 đến 4 ngày một tuần
- 1 đến 2 ngày một tuần
- 1 đến 3 ngày một tháng
- Không bao giờ

16. Cảm ơn các ý kiến của bạn! Bây giờ xin vui lòng cho chúng tôi biết một chút về chính bạn. Độ tuổi của bạn là bao nhiêu?

- 16-24
- 25-34
- 35-44
- 45-54
- 55-64
- 65-74
- 75 tuổi trở lên

17. Chúng tộc/dân tộc nào mô tả đúng nhất về bạn?


- Người Mỹ da đỏ hoặc Thổ dân Alaska
- Châu Á hoặc Người Mỹ gốc Á
- Người Mỹ da đen hoặc người Mỹ gốc Phi
- Người Tây Ban Nha hoặc người Latino
- Người Hawaii bản địa hoặc người đảo Thái Bình Dương khác
- Trắng hoặc da trắng
- Một chủng tộc khác
- Không muốn trả lời

18. Thu nhập hộ gia đình gộp lại hàng năm của bạn là bao nhiêu?

- Ít hơn \$29,000
- \$30,000-\$49,000
- \$50,000-\$79,000
- \$80,000-\$109,000
- \$110,000-\$169,000
- \$170,000 trở lên
- Tôi không muốn chia sẻ

19. Vui lòng nhập email của bạn:

20. Chia sẻ thêm ý kiến của bạn ở đây:

 NEW QUESTION



or Copy and paste questions

X

Được cung cấp bởi



Xem thử việc tạo một khảo sát đễ như thở nào.

# Appendix B

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*Handout Survey:*

English

Spanish

Vietnamese



Thanks for your interest to transform Beach Boulevard from the coast to La Habra. This is the second Beach study survey and an important step to help shape the street's transportation future.

1. **What is your home zip code?** \_\_\_\_\_
  
2. **What would you do to improve driving on Beach Boulevard? (Rank 1-5 with 1 as top pick)**
  - \_\_\_\_\_ Add more locations for left turns
  - \_\_\_\_\_ Add pedestrian bridges
  - \_\_\_\_\_ Extend turn pockets (lanes)
  - \_\_\_\_\_ Improve access to freeways
  - \_\_\_\_\_ Optimize traffic signals
  
3. **What would you do to improve transit service on Beach Boulevard? (rank 1-5 with 1 as top pick)**
  - \_\_\_\_\_ Build a high-capacity transit system (light rail, streetcar, or bus rapid transit)
  - \_\_\_\_\_ Enhance bus stop amenities (shelter, trash cans, seating, space)
  - \_\_\_\_\_ Improve access to bus stops (enhanced biking and walking facilities)
  - \_\_\_\_\_ Provide bus-only lanes
  - \_\_\_\_\_ Provide more frequent buses
  
4. **What would you do to improve bicycling on Beach Boulevard? (rank 1-5 with 1 as top pick)**
  - \_\_\_\_\_ Add bike lanes
  - \_\_\_\_\_ Add bike lanes on parallel streets instead of Beach Boulevard
  - \_\_\_\_\_ Add pedestrian bridges
  - \_\_\_\_\_ Provide barrier-separated bike lanes
  - \_\_\_\_\_ Remove on-street parking
  
5. **What would you do to improve walking on Beach Boulevard? (rank 1-5 with 1 as top pick)**
  - \_\_\_\_\_ Add pedestrian bridges
  - \_\_\_\_\_ Add safety features for crossing streets (pedestrian median island, pedestrian count-signals, flashing lights)
  - \_\_\_\_\_ Add sidewalks where there are gaps
  - \_\_\_\_\_ Improve sidewalk experience (landscape buffer, shading, lighting)
  - \_\_\_\_\_ Move obstructions outside sidewalk (utility boxes, power poles)



**6. Currently, I drive on Beach Boulevard:**

- a. 5 or more days a week
- b. 3 to 4 days a week
- c. 1 to 2 days a week
- d. 1 to 3 days a month
- e. Never

**7. If driving speed limits were reduced to enhance safety, I would drive on Beach Boulevard:**

- a. 5 or more days a week
- b. 3 to 4 days a week
- c. 1 to 2 days a week
- d. 1 to 3 days a month
- e. Never

**8. Currently, I use transit on Beach Boulevard:**

- a. 5 or more days a week
- b. 3 to 4 days a week
- c. 1 to 2 days a week
- d. 1 to 3 days a month
- e. Never

**9. If transit travel time was improved using transit-only lanes or technology to enhance traffic signal timing, I would use transit on Beach Boulevard:**

- a. 5 or more days a week
- b. 3 to 4 days a week
- c. 1 to 2 days a week
- d. 1 to 3 days a month
- e. Never

**10. Currently, I ride a bike on Beach Boulevard:**

- a. 5 or more days a week
- b. 3 to 4 days a week
- c. 1 to 2 days a week
- d. 1 to 3 days a month
- e. Never

**11. If biking on sidewalks were allowed or protected bikeways were provided, I would bike on Beach Boulevard:**

- a. 5 or more days a week
- b. 3 to 4 days a week
- c. 1 to 2 days a week
- d. 1 to 3 days a month
- e. Never

**12. If bike access was improved by having bicycle lanes on parallel streets or better connections to and from Beach Boulevard, I would bike on Beach Boulevard:**

- a. 5 or more days a week
- b. 3 to 4 days a week
- c. 1 to 2 days a week
- d. 1 to 3 days a month
- e. Never

**13. Currently, I walk along Beach Boulevard:**

- a. 5 or more days a week
- b. 3 to 4 days a week
- c. 1 to 2 days a week
- d. 1 to 3 days a month
- e. Never





**14. If walking conditions on sidewalks were improved with better lighting or wider sidewalks, I would walk along Beach Boulevard:**

- a. 5 or more days a week
- b. 3 to 4 days a week
- c. 1 to 2 days a week
- d. 1 to 3 days a month
- e. Never

**15. If street crossings were improved with enhanced crosswalks, more frequent crossings or shorter crossing distances by extending sidewalks or curbs, I would walk on Beach Boulevard:**

- a. 5 or more days a week
- b. 3 to 4 days a week
- c. 1 to 2 days a week
- d. 1 to 3 days a month
- e. Never

*Thanks for your input! Now please tell us a little about yourself.*

**16. What is your age range?**

- a. 16-24
- b. 25-34
- c. 35-44
- d. 45-54
- e. 55-64
- f. 65-74
- g. 75 or older

**17. Which race/ethnicity best describes you?**

- a. American Indian or Alaska Native
- b. Asian or Asian American
- c. Black or African American
- d. Hispanic or Latino
- e. Native Hawaiian or other Pacific Islander
- f. White or Caucasian
- g. Another race
- h. Prefer not to answer

**18. What is your combined annual household income?**

- a. Less than \$29,000
- b. \$30,000-\$49,000
- c. \$50,000-\$79,000
- d. \$80,000-\$109,000
- e. \$110,000-\$169,000
- f. \$170,000 or more
- g. Prefer not to answer

**19. Please enter your email:** \_\_\_\_\_

**20. Provide additional comments here:** \_\_\_\_\_

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**Gracias por su interés en la transformación de Beach Boulevard desde la costa hasta La Habra.** Esta es la segunda encuesta del estudio de Beach Boulevard, y un paso importante para ayudar a dar forma al futuro del transporte de esta calle.

1. **¿Cuál es el código postal de su hogar?** \_\_\_\_\_
  
2. **¿Qué haría para mejorar la experiencia de conducir en Beach Boulevard?** (clasifique del 1 al 5 las siguientes opciones, con el 1 representando su primera elección)
  - \_\_\_\_\_ Agregar más secciones para hacer giros a la izquierda
  - \_\_\_\_\_ Agregar puentes peatonales
  - \_\_\_\_\_ Prolongar las secciones para hacer giros (carriles)
  - \_\_\_\_\_ Mejorar el acceso a las autopistas
  - \_\_\_\_\_ Optimizar las señales de tráfico
  
3. **¿Qué haría para mejorar el servicio de transporte público en Beach Boulevard?** (clasifique del 1 al 5 las siguientes opciones, con el 1 representando su primera elección)
  - \_\_\_\_\_ Construir un sistema de transporte público de alta capacidad (tren ligero, tranvía o autobus de tránsito rápido)
  - \_\_\_\_\_ Mejore los servicios de autobús (portabicicletas, abordaje por todas las puertas)
  - \_\_\_\_\_ Mejorar el acceso a las paradas de autobús (instalaciones mejoradas para peatones y ciclistas)
  - \_\_\_\_\_ Proporcionar carriles exclusivos para autobuses
  - \_\_\_\_\_ Proporcionar un servicio de autobús más frecuente
  
4. **¿Qué haría para mejorar la experiencia de viajar en bicicleta en Beach Boulevard?** (clasifique del 1 al 5 las siguientes opciones, con el 1 representando su primera elección)
  - \_\_\_\_\_ Agregar carriles para bicicletas
  - \_\_\_\_\_ Agregar carriles para bicicletas en calles paralelas en lugar de Beach Boulevard
  - \_\_\_\_\_ Agregar puentes peatonales
  - \_\_\_\_\_ Proporcionar carriles para bicicletas separados por barreras
  - \_\_\_\_\_ Eliminar el estacionamiento en la calle
  
5. **¿Qué haría para mejorar la experiencia peatonal en Beach Boulevard?** (clasifique del 1 al 5 las siguientes opciones, con el 1 representando su primera elección)
  - \_\_\_\_\_ Agregar puentes peatonales
  - \_\_\_\_\_ Agregar características de seguridad para el cruce de calles (isla de mediana peatonal, señales de conteo peatonales, luces intermitentes)
  - \_\_\_\_\_ Agregar aceras donde hacen falta
  - \_\_\_\_\_ Mejorar la experiencia en las aceras (jardinería en los amortiguadores de las aceras, sombras, iluminación)
  - \_\_\_\_\_ Reubicar las obstrucciones fuera de las aceras (cajas de servicios públicos, postes eléctricos)



**6. Actualmente, conduzco en Beach Boulevard:**

- a. 5 o más días a la semana
- b. 3 a 4 días a la semana
- c. 1 a 2 días a la semana
- d. 1 a 3 días al mes
- e. Nunca

**7. Si se redujeran los límites de velocidad para mejorar la seguridad, conduciría en Beach Boulevard:**

- a. 5 o más días a la semana
- b. 3 a 4 días a la semana
- c. 1 a 2 días a la semana
- d. 1 a 3 días al mes
- e. Nunca

**8. Actualmente, utilizo el transporte público en Beach Boulevard:**

- a. 5 o más días a la semana
- b. 3 a 4 días a la semana
- c. 1 a 2 días a la semana
- d. 1 a 3 días al mes
- e. Nunca

**9. Si se mejoraran los tiempos de viaje con carriles exclusivos para los vehículos del transporte público o se utilizara tecnología para mejorar la coordinación de los semáforos, utilizaría el transporte público en Beach Boulevard:**

- a. 5 o más días a la semana
- b. 3 a 4 días a la semana
- c. 1 a 2 días a la semana
- d. 1 a 3 días al mes
- e. Nunca

**10. Actualmente, viajo en bicicleta en Beach Boulevard:**

- a. 5 o más días a la semana
- b. 3 a 4 días a la semana
- c. 1 a 2 días a la semana
- d. 1 a 3 días al mes
- e. Nunca

**11. Si se permitiera andar en bicicleta en las aceras o hubiera carriles para bicicletas protegidos, andaría en bicicleta en Beach Boulevard:**

- a. 5 o más días a la semana
- b. 3 a 4 días a la semana
- c. 1 a 2 días a la semana
- d. 1 a 3 días al mes
- e. Nunca

**12. Si se mejorara el acceso para las bicicletas con carriles para bicicletas en las calles paralelas, o si hubiera mejores conexiones hacia y desde Beach Boulevard, andaría en bicicleta en Beach Boulevard:**

- a. 5 o más días a la semana
- b. 3 a 4 días a la semana
- c. 1 a 2 días a la semana
- d. 1 a 3 días al mes
- e. Nunca

**13. Actualmente, camino en Beach Boulevard:**

- a. 5 o más días a la semana
- b. 3 a 4 días a la semana
- c. 1 a 2 días a la semana
- d. 1 a 3 días al mes
- e. Nunca

**14. Si las condiciones para caminar en las aceras se mejoraran con una mejor iluminación o aceras más anchas, caminaría en Beach Boulevard:**

- a. 5 o más días a la semana
- b. 3 a 4 días a la semana
- c. 1 a 2 días a la semana
- d. 1 a 3 días al mes
- e. Nunca

**15. Si se mejoraran los cruces en las calles con mejores cruces peatonales, cruces más frecuentes o distancias de cruce más cortas al extender las aceras o bordillos, caminaría en Beach Boulevard:**

- a. 5 o más días a la semana
- b. 3 a 4 días a la semana
- c. 1 a 2 días a la semana
- d. 1 a 3 días al mes
- e. Nunca

*¡Gracias por su compartirnos su opinión! Ahora por favor cuéntenos un poco sobre usted.*

**16. ¿Cuál es su rango de edad?**

- a. 16-24
- b. 25-34
- c. 35-44
- d. 45-54
- e. 55-64
- f. 65-74
- g. 75 años o mayor

**17. ¿Qué raza/grupo étnico lo describe mejor?**

- a. Indio americano o nativo de Alaska
- b. Asiático o asiático americano
- c. De raza negra o afroamericano
- d. Hispano o latino
- e. Nativo de Hawái o de las islas del Pacífico
- f. De raza blanca o caucásico
- g. Otra raza
- h. Prefiero no responder

**18. ¿Cuál es su ingreso familiar anual combinado?**

- a. Menos de \$29,000
- b. \$30,000-\$49,000
- c. \$50,000-\$79,000
- d. \$80,000-\$109,000
- e. \$110,000-\$169,000
- f. \$170,000 o más
- g. Prefiero no responder

**19. Por favor, ingrese su correo electrónico:** \_\_\_\_\_

**20. Provea comentarios adicionales aquí:** \_\_\_\_\_

\_\_\_\_\_

Cảm ơn sự quan tâm của bạn đến việc biến đổi Beach Boulevard từ bờ biển đến La Habra. Đây là cuộc khảo sát nghiên cứu bãi biển thứ hai và là một bước quan trọng để giúp định hình giao thông đường phố trong tương lai.

1. Mã zip nhà bạn là gì? \_\_\_\_\_
  
2. Bạn sẽ làm gì để cải thiện việc lái xe trên Beach Boulevard? (xếp hạng 1-5 với 1 là lựa chọn hàng đầu)
  - \_\_\_\_\_ Thêm nhiều địa điểm rẽ trái hơn
  - \_\_\_\_\_ Thêm cầu đi bộ
  - \_\_\_\_\_ Mở rộng các làn rẽ (làn đường)
  - \_\_\_\_\_ Cải thiện ngã tiếp cận vào đường cao tốc
  - \_\_\_\_\_ Tối ưu hóa tín hiệu giao thông
  
3. Bạn sẽ làm gì để cải thiện dịch vụ vận chuyển trên Beach Boulevard? (xếp hạng 1-5 với 1 là lựa chọn hàng đầu)
  - \_\_\_\_\_ Xây dựng hệ thống vận chuyển công suất cao (đường sắt nhẹ, xe điện hoặc xe buýt tốc hành)
  - \_\_\_\_\_ Tăng cường tiện nghi trạm xe buýt (chỗ che, thùng rác, chỗ ngồi, không gian)
  - \_\_\_\_\_ Cải thiện ngã tiếp cận vào các trạm xe buýt (cải thiện đường đi bộ và đi xe đạp)
  - \_\_\_\_\_ Cung cấp làn đường chỉ dành cho xe buýt
  - \_\_\_\_\_ Cung cấp xe buýt thường xuyên hơn
  
4. Bạn sẽ làm gì để cải thiện việc đi xe đạp trên Beach Boulevard? (xếp hạng 1-5 với 1 là lựa chọn hàng đầu)
  - \_\_\_\_\_ Thêm làn đường dành cho xe đạp
  - \_\_\_\_\_ Thêm làn đường cho xe đạp trên những con đường song song thay vì Beach Boulevard
  - \_\_\_\_\_ Thêm cầu đi bộ
  - \_\_\_\_\_ Cung cấp làn đường dành cho xe đạp được tách riêng bởi phần chắn
  - \_\_\_\_\_ Hủy bỏ bãi đậu xe trên đường
  
5. Bạn sẽ làm gì để cải thiện việc đi bộ trên Beach Boulevard? (xếp hạng 1-5 với 1 là lựa chọn hàng đầu)
  - \_\_\_\_\_ Thêm cầu đi bộ
  - \_\_\_\_\_ Thêm các tính năng an toàn để băng qua đường (địa điểm chờ an toàn cho người đi bộ, tín hiệu đếm cho người đi bộ, đèn nhấp nháy)
  - \_\_\_\_\_ Thêm lề đường nơi có khoảng trống
  - \_\_\_\_\_ Cải thiện trải nghiệm đi trên lề đường (cảnh quan, bóng râm, đèn chiếu sáng)
  - \_\_\_\_\_ Di dời vật cản bên ngoài vỉa hè (hộp tiện ích, cột điện)

**6. Hiện tại, tôi lái xe trên Beach Boulevard:**

- a. 5 ngày trở lên trong một tuần
- b. 3 đến 4 ngày một tuần
- c. 1 đến 2 ngày một tuần
- d. 1 đến 3 ngày một tháng
- e. Không bao giờ

**7. Nếu hạn mức tốc độ lái xe được giảm để tăng cường an toàn, tôi sẽ lái xe trên Beach Boulevard:**

- a. 5 ngày trở lên trong một tuần
- b. 3 đến 4 ngày một tuần
- c. 1 đến 2 ngày một tuần
- d. 1 đến 3 ngày một tháng
- e. Không bao giờ

**8. Hiện tại, tôi sử dụng phương tiện giao thông công cộng trên Beach Boulevard:**

- a. 5 ngày trở lên trong một tuần
- b. 3 đến 4 ngày một tuần
- c. 1 đến 2 ngày một tuần
- d. 1 đến 3 ngày một tháng
- e. Không bao giờ

**9. Nếu thời gian di chuyển của phương tiện giao thông công cộng được cải thiện bằng cách sử dụng làn đường chỉ dành cho phương tiện giao thông công cộng hoặc công nghệ để tăng cường thời gian chuyển pha tín hiệu, tôi sẽ sử dụng phương tiện giao thông công cộng trên Beach Boulevard:**

- a. 5 ngày trở lên trong một tuần
- b. 3 đến 4 ngày một tuần
- c. 1 đến 2 ngày một tuần
- d. 1 đến 3 ngày một tháng
- e. Không bao giờ

**10. Hiện tại, tôi đi xe đạp trên Beach Boulevard:**

- a. 5 ngày trở lên trong một tuần
- b. 3 đến 4 ngày một tuần
- c. 1 đến 2 ngày một tuần
- d. 1 đến 3 ngày một tháng
- e. Không bao giờ

**11. Nếu việc đi xe đạp trên vỉa hè được cho phép hoặc đường xe đạp được bảo vệ được cung cấp, tôi sẽ đi xe đạp trên Beach Boulevard:**

- a. 5 ngày trở lên trong một tuần
- b. 3 đến 4 ngày một tuần
- c. 1 đến 2 ngày một tuần
- d. 1 đến 3 ngày một tháng
- e. Không bao giờ

**12. Nếu đường cho xe đạp được cải thiện bằng cách có làn đường dành cho xe đạp trên các con đường song song hoặc có kết nối tốt hơn để đến và đi từ Beach Boulevard, tôi sẽ đạp xe trên Beach Boulevard:**

- a. 5 ngày trở lên trong một tuần
- b. 3 đến 4 ngày một tuần
- c. 1 đến 2 ngày một tuần
- d. 1 đến 3 ngày một tháng
- e. Không bao giờ

**13. Hiện tại, tôi đi bộ dọc theo Beach Boulevard:**

- a. 5 ngày trở lên trong một tuần
- b. 3 đến 4 ngày một tuần
- c. 1 đến 2 ngày một tuần
- d. 1 đến 3 ngày một tháng
- e. Không bao giờ

14. Nếu điều kiện đi bộ trên vỉa hè được cải thiện với ánh sáng tốt hơn hoặc vỉa hè rộng hơn, tôi sẽ đi bộ dọc theo Beach Boulevard:

- |                                  |                           |
|----------------------------------|---------------------------|
| a. 5 ngày trở lên trong một tuần | d. 1 đến 3 ngày một tháng |
| b. 3 đến 4 ngày một tuần         | e. Không bao giờ          |
| c. 1 đến 2 ngày một tuần         |                           |

15. Nếu ngã ba đường phố được cải thiện với lối băng qua đường được nâng cao, nhiều lối qua đường thường xuyên hơn hoặc khoảng cách băng qua đường ngắn hơn bằng cách mở rộng vỉa hè hoặc lề đường, tôi sẽ đi bộ trên Beach Boulevard:

- |                                  |                           |
|----------------------------------|---------------------------|
| a. 5 ngày trở lên trong một tuần | d. 1 đến 3 ngày một tháng |
| b. 3 đến 4 ngày một tuần         | e. Không bao giờ          |
| c. 1 đến 2 ngày một tuần         |                           |

*Cảm ơn các ý kiến của bạn! Bây giờ xin vui lòng cho chúng tôi biết một chút về chính bạn.*

16. Độ tuổi của bạn là bao nhiêu?

- |          |                    |
|----------|--------------------|
| a. 16-24 | e. 55-64           |
| b. 25-34 | f. 65-74           |
| c. 35-44 | g. 75 tuổi trở lên |
| d. 45-54 |                    |

17. chủng tộc/dân tộc nào mô tả đúng nhất về bạn?

- |  |   |
|--|---|
| a. Người Mỹ da đỏ hoặc Thổ dân Alaska    | d. Người Tây Ban Nha hoặc người Latino                      |
| b. Châu Á hoặc Người Mỹ gốc Á            | e. Người Hawaii bản địa hoặc người đảo Thái Bình Dương khác |
| c. Người Mỹ da đen hoặc người Mỹ gốc Phi | f. Trắng hoặc da trắng                                      |
|  | g. Một chủng tộc khác                                       |
|  | h. Không muốn trả lời                                       |

18. Thu nhập hộ gia đình gộp lại hàng năm của bạn là bao nhiêu?

- |                       |                           |
|-----------------------|---------------------------|
| a. Ít hơn \$29,000    | e. \$110,000-\$169,000    |
| b. \$30,000-\$49,000  | f. \$170,000 trở lên      |
| c. \$50,000-\$79,000  | g. Tôi không muốn chia sẻ |
| d. \$80,000-\$109,000 |                           |

19. Vui lòng nhập email của bạn: \_\_\_\_\_

20. Chia sẻ thêm ý kiến của bạn ở đây: \_\_\_\_\_

\_\_\_\_\_



# *Appendix C*

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## *Exhibit Display Boards*

BEACH BLVD

## Beach Boulevard Corridor Study

# Help Transform Beach Boulevard!

This study will assess existing traffic conditions and develop solutions ranging from enhanced pedestrian, bicycle, and transit facilities to improved signal synchronization.

Share your feedback on the corridor by taking a short survey at: [beach-survey.com](http://beach-survey.com)





## Nghiên cứu Tuyến đường Beach Boulevard

# GIÚP CẢI THIỆN BEACH BOULEVARD!

Nghiên cứu này sẽ đánh giá tình trạng giao thông hiện tại và phát triển các giải pháp từ những công trình cho người đi bộ, đi xe đạp và các cơ sở vận chuyển đã được nâng cao cho đến sự đồng bộ hóa tín hiệu giao thông đã được cải thiện.

Hãy đóng góp ý kiến của quý vị bằng cách tham gia cuộc khảo sát ngắn tại: [beach-survey.com](http://beach-survey.com)



# BEACH BLVD

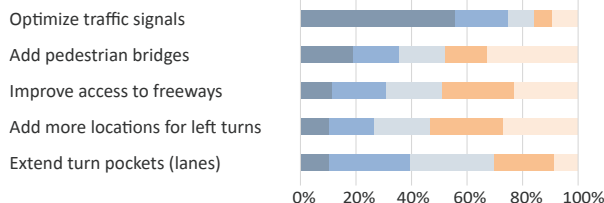
## Beach Boulevard Corridor Study



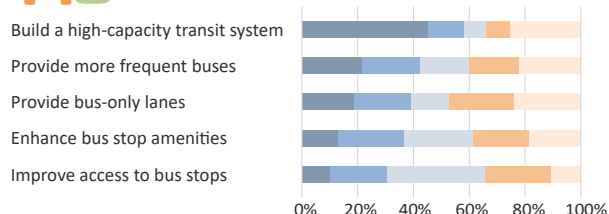
## Beach Boulevard Corridor Study Outreach and Survey Results

**What would you do to improve:** Rank 1 Rank 2 Rank 3 Rank 4 Rank 5

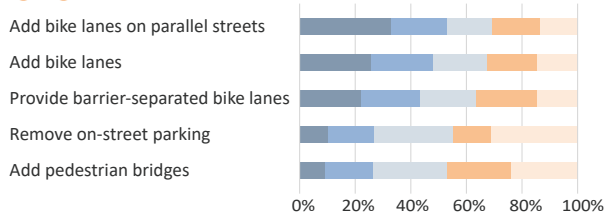
### Driving on Beach Blvd (Rank 1-5 with 1 as top pick)



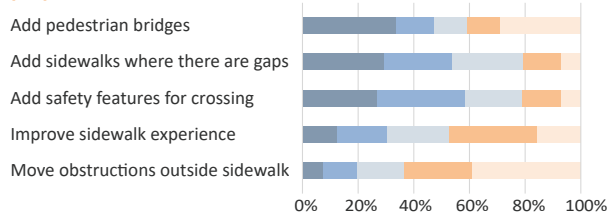
### Transit service on Beach Blvd (Rank 1-5 with 1 as top pick)



### Bicycling on Beach Blvd (Rank 1-5 with 1 as top pick)



### Walking on Beach Blvd (Rank 1-5 with 1 as top pick)



**Note:** Improvement ranking selections above were determined through the initial Beach Boulevard Corridor Study survey, conducted in Spring 2019.

### Use & Opportunities

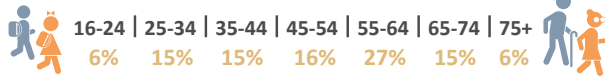
	39	5+ Days a Week	3 - 4 Days a Week	1 - 2 Days a Week	1 - 3 Days a Month	Never
Currently I drive on Beach Boulevard:		36%	22%	21%	14%	7%
If driving speed limits were reduced to enhance safety, I would drive on Beach Boulevard:		24%	17%	20%	18%	21%
Currently, I use transit on Beach Boulevard:		8%	6%	6%	12%	68%
If transit travel time was improved using transit-only lanes or technology to enhance traffic signal timing, I would use transit on Beach Boulevard:		21%	15%	12%	19%	33%
Currently, I ride a bike on Beach Boulevard:		1%	2%	4%	9%	84%
If biking on sidewalks were allowed or protected bikeways were provided, I would bike on Beach Boulevard:		7%	8%	12%	21%	52%
If bike access was improved by having bicycle lanes on parallel streets or better connections to and from Beach Boulevard, I would bike on Beach Boulevard:		8%	9%	11%	22%	50%
Currently, I walk along Beach Boulevard:		6%	5%	8%	23%	58%
If walking conditions on sidewalks were improved with better lighting or wider sidewalks, I would walk along Beach Boulevard:		10%	11%	14%	27%	38%
If street crossings were improved with enhanced crosswalks, more frequent crossings or shorter crossing distances by extending sidewalks or curbs, I would walk on Beach Boulevard:		10%	11%	15%	28%	36%



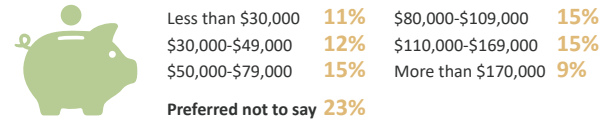
# BEACH BLVD

## Beach Boulevard Corridor Study Outreach and Survey Results

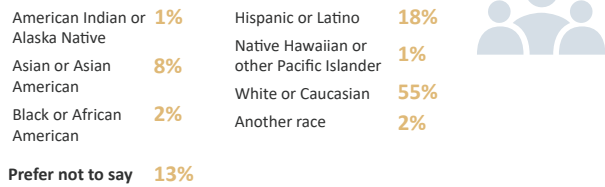
### What is the age range of respondents?



### What is the combined annual household income?



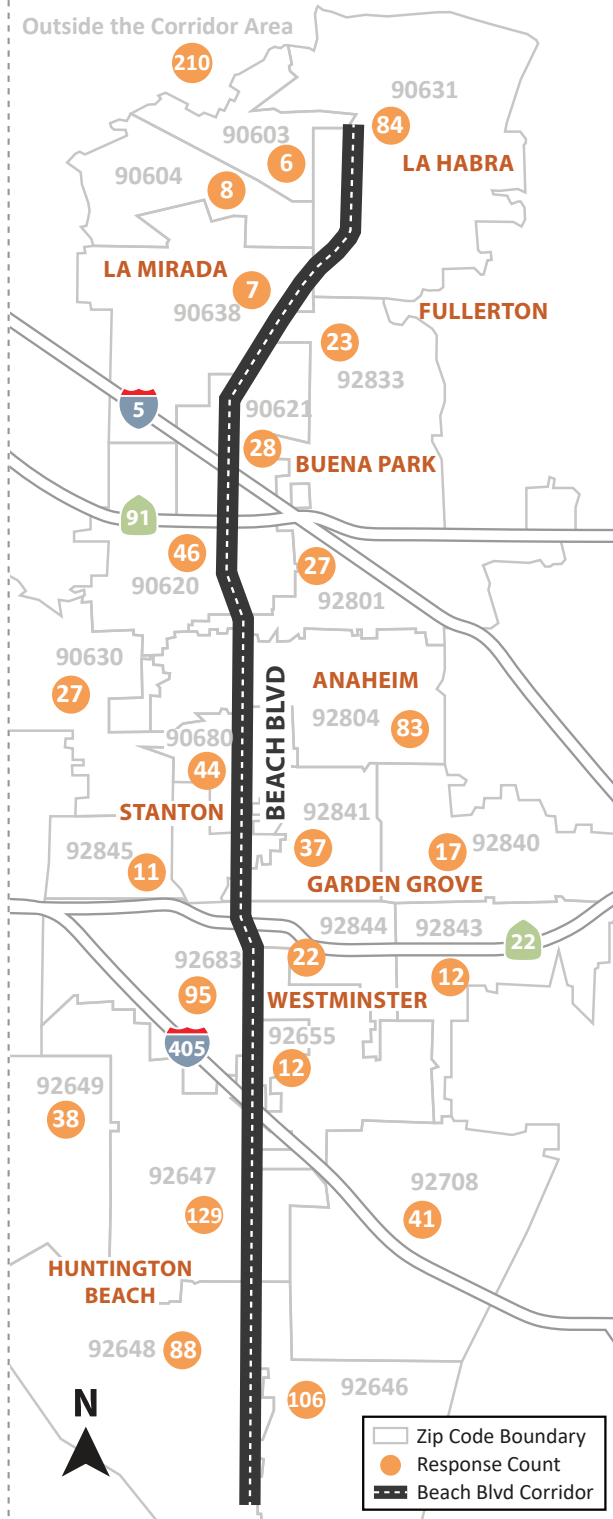
### Which race/ethnicity best describes you?



### First Steps to Transforming Beach Boulevard

- Hosted **9** pop-up/community events, attracting **400+** participants
- Mailed and delivered **2,375+** postcards and e-mailed **17,375+** bus riders and stakeholders
- Distributed flyers to **54** libraries, city halls, chambers of commerce, and senior and community centers
- Shared e-communication tool-kits with **9** corridor cities and **18** public committees/stakeholder organizations
- Shared **100's** of fact sheets and frequently asked questions
- Conducted on-board bus surveying, reaching **100+** riders
- Promoted the project and survey with **3** OCTA Twitter posts, **3** OCTA Facebook posts, and **3** Facebook ads with **119,830** views
- Announced the project through **OCTA On-the Move** blog, reaching **9,000** subscribers
- Collected **1,227** completed surveys from September 19 - November 3, 2019
- All materials were shared in **English, Spanish, and Vietnamese**

### Where are the responses coming from?



# *Appendix D*

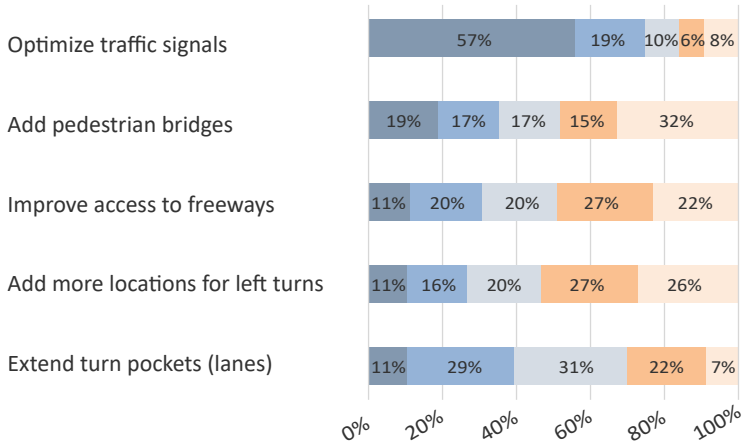
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## *Outreach and Survey Results*

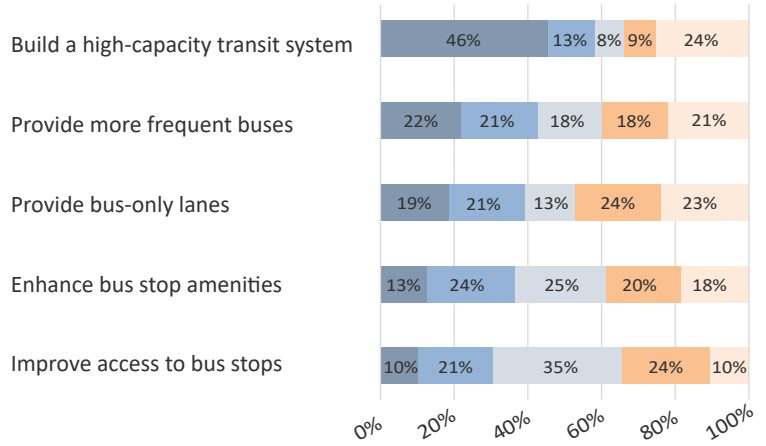
### What would you do to improve:

Rank 1 Rank 2 Rank 3 Rank 4 Rank 5

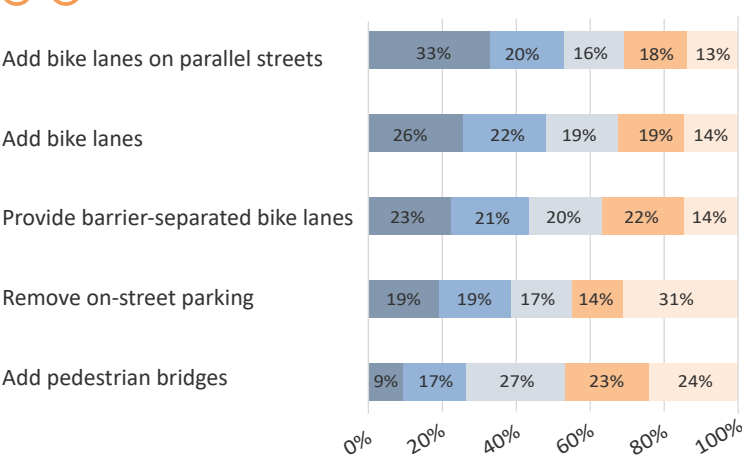
#### Driving on Beach Blvd (Rank 1-5 with 1 as top pick)



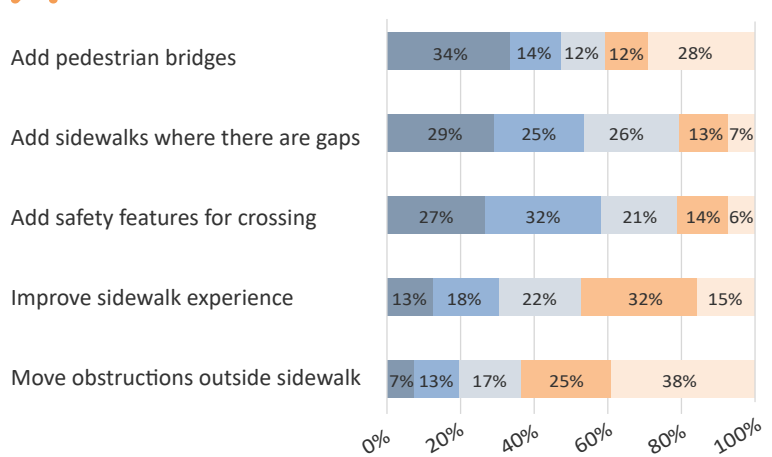
#### Transit service on Beach Blvd (Rank 1-5 with 1 as top pick)



#### Bicycling on Beach Blvd (Rank 1-5 with 1 as top pick)



#### Walking on Beach Blvd (Rank 1-5 with 1 as top pick)



### Use & Opportunities



5+ Days a Week

3 - 4 Days a Week

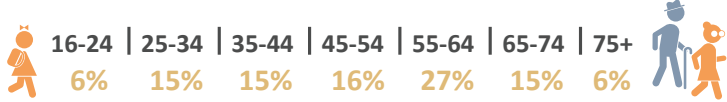
1 - 2 Days a Week

1 - 3 Days a Month

Never

	Currently I drive on Beach Boulevard:	36%	22%	21%	14%	7%
	If driving speed limits were reduced to enhance safety, I would drive on Beach Boulevard:	24%	17%	20%	18%	21%
	Currently, I use transit on Beach Boulevard:	8%	6%	6%	12%	68%
	If transit travel time was improved using transit-only lanes or technology to enhance traffic signal timing, I would use transit on Beach Boulevard:	21%	15%	12%	19%	33%
	Currently, I ride a bike on Beach Boulevard:	1%	2%	4%	9%	84%
	If biking on sidewalks were allowed or protected bikeways were provided, I would bike on Beach Boulevard:	7%	8%	12%	21%	52%
	If bike access was improved by having bicycle lanes on parallel streets or better connections to and from Beach Boulevard, I would bike on Beach Boulevard:	8%	9%	11%	22%	50%
	Currently, I walk along Beach Boulevard:	6%	5%	8%	23%	58%
	If walking conditions on sidewalks were improved with better lighting or wider sidewalks, I would walk along Beach Boulevard:	10%	11%	14%	27%	38%
	If street crossings were improved with enhanced crosswalks, more frequent crossings or shorter crossing distances by extending sidewalks or curbs, I would walk on Beach Boulevard:	10%	11%	15%	28%	36%

### What is the age range of respondents?



### What is the combined annual household income?



Less than \$30,000	11%
\$30,000-\$49,000	12%
\$50,000-\$79,000	15%
\$80,000-\$109,000	15%
\$110,000-\$169,000	15%
More than \$170,000	9%
Preferred not to say	23%

### Which race/ethnicity best describes you?

American Indian or Alaska Native	1%
Asian or Asian American	8%
Black or African American	2%
Hispanic or Latino	18%
Native Hawaiian or other Pacific Islander	1%
White or Caucasian	55%
Another race	2%
Prefer not to say	13%

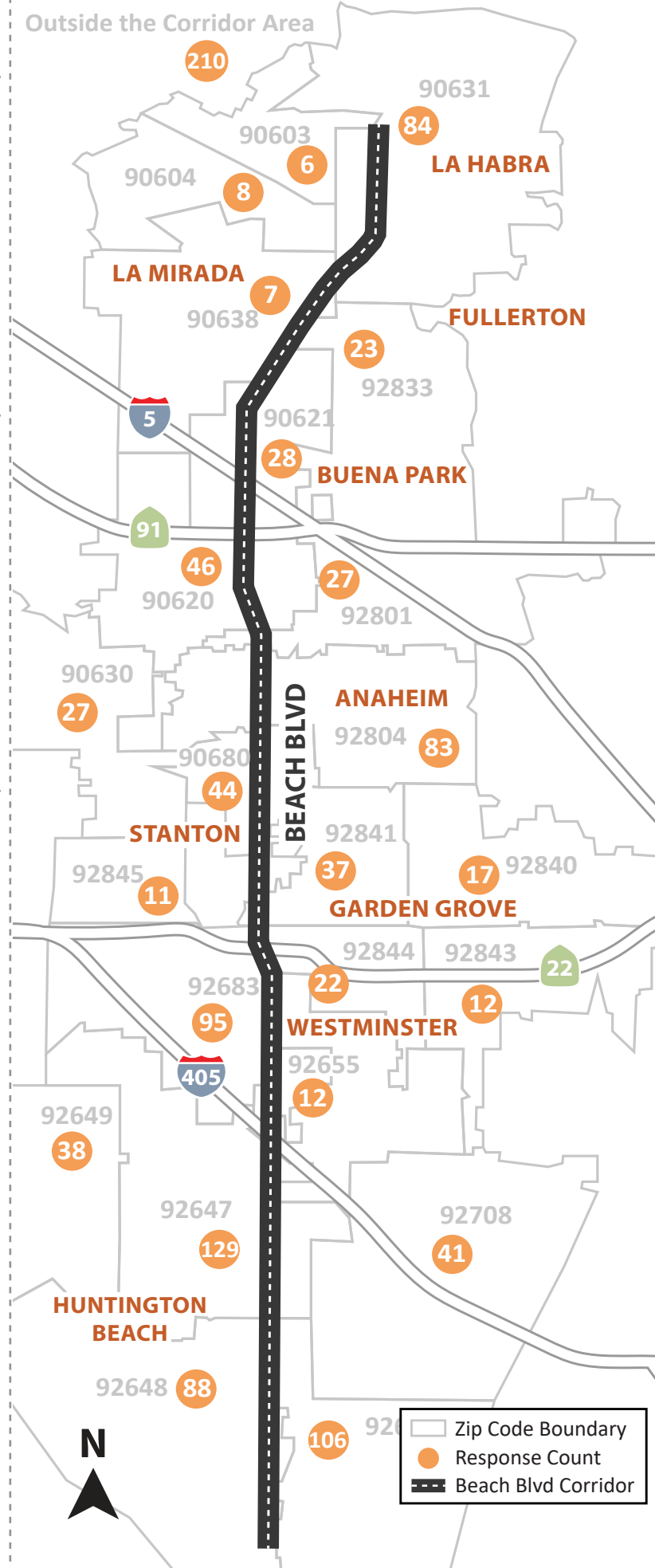


### Community Engagement to Transform Beach Blvd

- Hosted **9** pop-up/community events, attracting **400+** participants
- Mailed and delivered **2,375+** postcards and e-mailed **17,375+** bus riders and stakeholders
- Distributed flyers to **54** libraries, city halls, chambers of commerce, and senior and community centers
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- All materials were shared in **English, Spanish, and Vietnamese**

### Where are the responses coming from?

Outside the Corridor Area



### Stay Connected

Marissa Espino, Community Relations  
 (714) 560-5607  
 mespino@octa.net  
 octa.net/beachstudy

# Beach Phase 2 Summary

## Frequency of Use Findings

The table below summarizes respondent frequency of travel habits and how that might change with future improvement.

Survey Question	5 or more days a week	3 to 4 days a week	1 to 2 days a week	1 to 3 days a month	Never
Currently, I drive on Beach Boulevard:	36%	22%	21%	14%	7%
If driving speed limits were reduced to enhance safety, I would drive on Beach Boulevard:	24% 	17% 	20% 	18% 	21% 
Currently, I use transit on Beach Boulevard:	8%	6%	6%	12%	68%
If transit travel time was improved using transit-only lanes or technology to enhance traffic signal timing, I would use transit on Beach Boulevard:	21% 	15% 	12% 	19% 	33% 
Currently, I ride a bike on Beach Boulevard:	1%	2%	4%	9%	84%
If biking on sidewalks were allowed or protected bikeways were provided, I would bike on Beach Boulevard:	7% 	8% 	12% 	21% 	52% 
If bike access was improved by having bicycle lanes on parallel streets or better connections to and from Beach Boulevard, I would bike on Beach Boulevard:	8% 	9% 	11% 	22% 	50% 
Currently, I walk along Beach Boulevard:	6%	5%	8%	23%	58%
If walking conditions on sidewalks were improved with better lighting or wider sidewalks, I would walk along Beach Boulevard:	10% 	11% 	14% 	27% 	38% 
If street crossings were improved with enhanced crosswalks, more frequent crossings or shorter crossing distances by extending sidewalks or curbs, I would walk on Beach Boulevard:	10% 	12% 	14% 	28% 	36% 

>= 5% change



6 – 10% change



11 – 15% change



16 – 20% change



> 20% change

