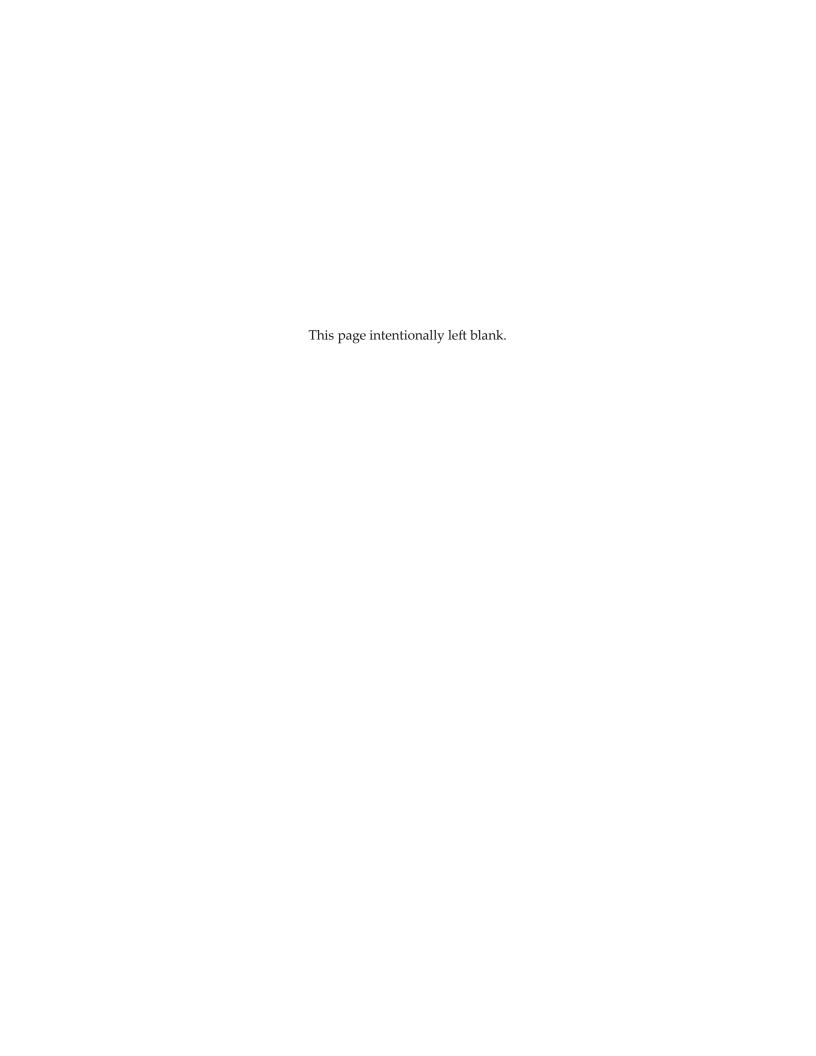


BART Walk and Bicycle Network Gap Study

June 2020

Appendices



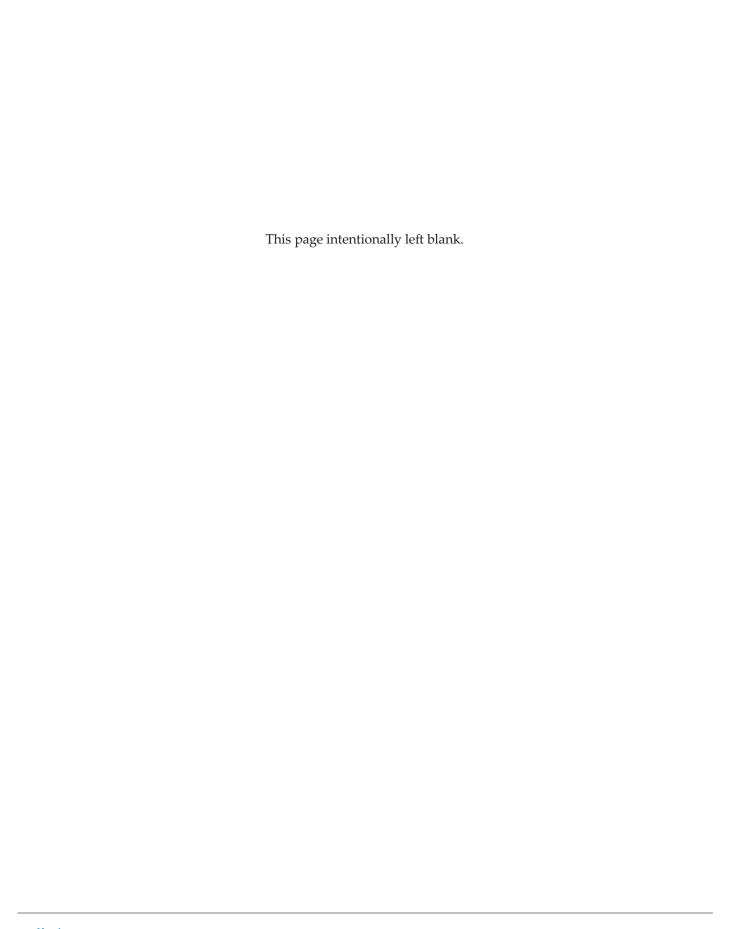


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B. BART Passenger Home Origins Maps by Mode...B-1



Appendix A | Collision Maps

This appendix provides maps that indicate locations of reported motor vehicle collisions with pedestrians or bicyclists around each of the 17 Focus Stations over a three-year period. The most current datasets available at the time of each Focus Station site visit were used: ten used data from 2013, 2014 and 2015, while seven used 2015, 2016 and 2017 data (see Table A.1).

Table A.1 | Collision Data Timeframes

Focus Station	3-year collision analysis dates
12th Street/ Oakland City Center	2013 – 2015
Ashby	2013 – 2015
Castro Valley	2013 – 2015
Coliseum	2013 – 2015
Concord	2013 – 2015
Dublin/Pleasanton	2015 – 2017
El Cerrito Plaza	2013 – 2015
Fruitvale	2013 – 2015
Hayward	2013 – 2015
Orinda	2015 – 2017
Richmond	2013 – 2015
San Bruno	2013 – 2015
San Leandro	2015 – 2017
South Hayward	2015 – 2017
South San Francisco	2015 – 2017
Union City	2015 – 2017
West Dublin/Pleasanton	2015 – 2017

¹ Statewide Integrated Traffic Records System (SWITRS), compiled by the California Highway Patrol.

Statewide Intergrated Traffic Records System Collision Report 2013 - 2015 California Highway Patrol 1/2-Mile Bike Radius **BART Station Entrances** Bike Collision - Visible Injury / Complaint of Pain Bike Collision - Fatal / Severe Injury 1/4-Mile Walk Radius Ped Collision - Fatal / Severe Injury
Ped Collision - Visible Injury / Complaint of Pain

Figure A.2 | 12th Street Station – Pedestrian Collisions (January 1, 2013 – December 31, 2015)

Figure A.3 | 12th Street Station – Bicycle Collisions (January 1, 2013 – December 31, 2015)

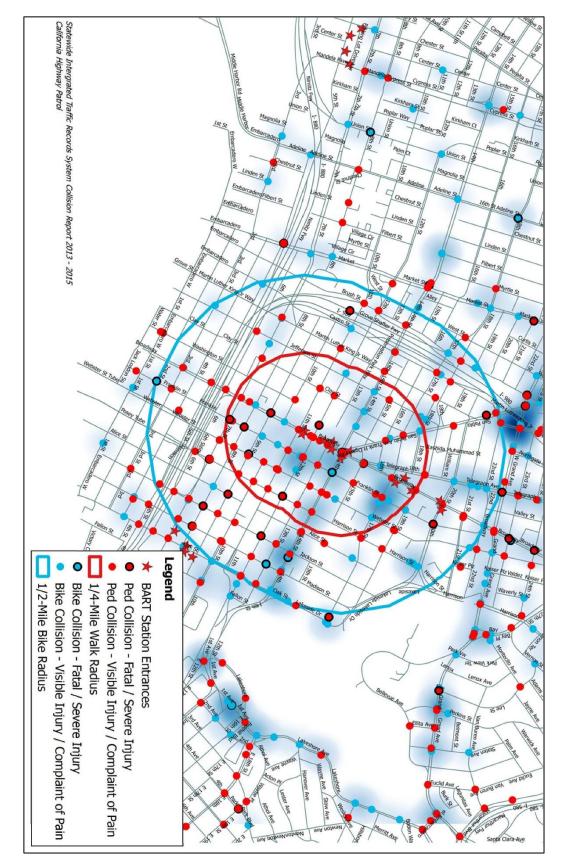
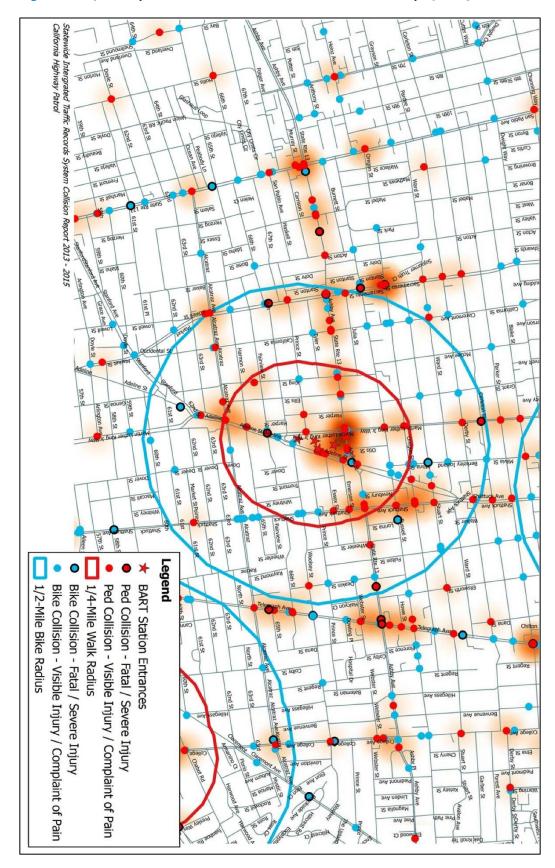


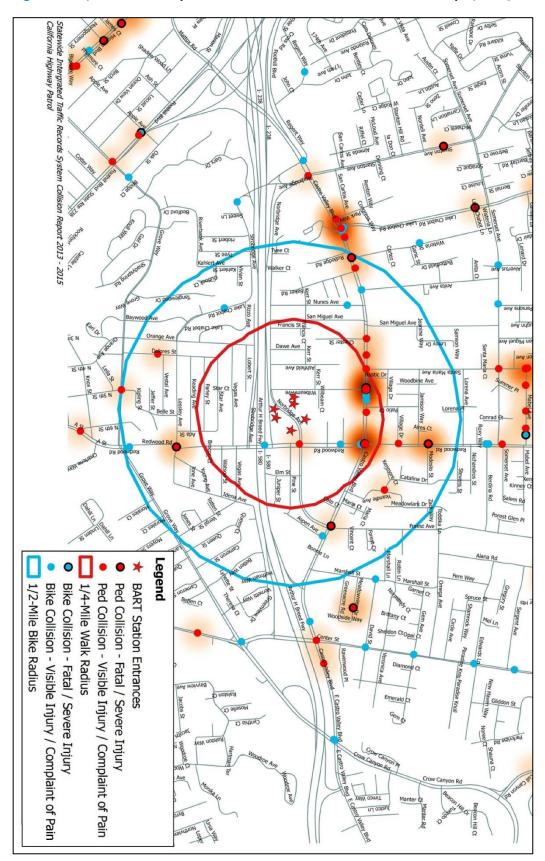
Figure A.4 | Ashby Station - Pedestrian Collisions (January 1, 2013 - December 31, 2015)



Statewide i California H Intergrated Traffic Records System Collision Highway Patrol 15 159M 15 Kalley Report 2013 - 2015 ave gnibi 63rd St Legend Bike Collision - Fatal / Severe Injury **BART Station Entrances** Bike Collision - Visible Injury / Complaint of Pain Ped Collision - Visible Injury / Complaint of Pain Ped Collision - Fatal / Severe Injury 1/2-Mile Bike Radius 1/4-Mile Walk Radius Chilton North St Regent St Etna St Ent3 College 12 eilongeM

Figure A.5 | Ashby – Bicycle Collisions (January 1, 2013 – December 31, 2015)

Figure A.6 | Castro Valley Station - Pedestrian Collisions (January 1, 2013 - December 31, 2015)



Statewide Intergrated Traffic Records System Collision Report 2013 - 2015 California Highway Patrol act and Legend ★ BART Station Entrances Ped Collision - Visible Injury / Complaint of Pain 1/2-Mile Bike Radius Bike Collision - Visible Injury / Complaint of Pain Bike Collision - Fatal / Severe Injury 1/4-Mile Walk Radius Ped Collision - Fatal / Severe Injury

Figure A.7 | Castro Valley Station - Bicycle Collisions (January 1, 2013 - December 31, 2015)

Figure A.8 | Coliseum Station – Pedestrian Collisions (January 1, 2013 – December 31, 2015)

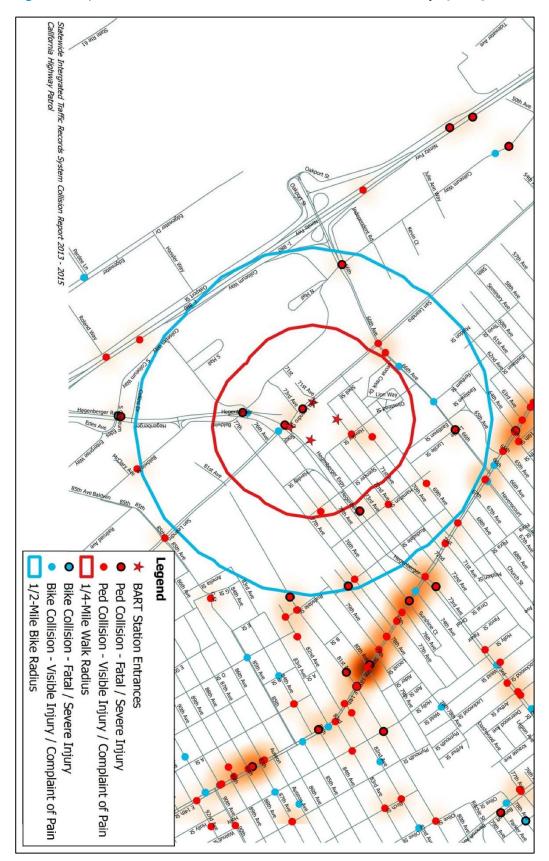


Figure A.9 | Coliseum Station - Bicycle Collisions (January 1, 2013 - December 31, 2015)

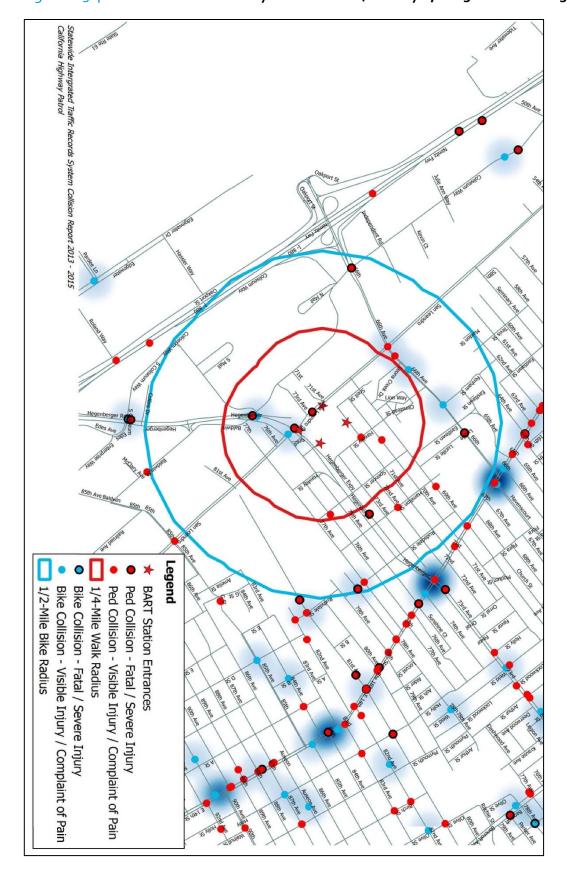
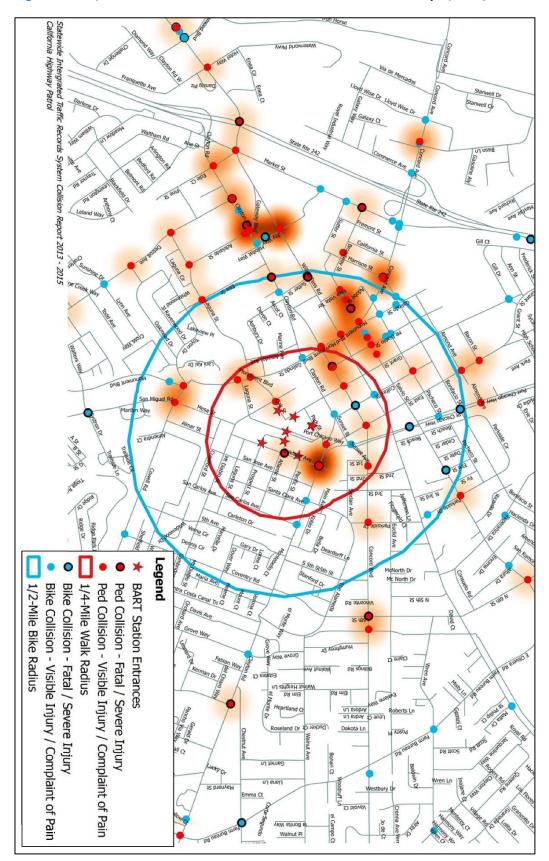


Figure A.10 | Concord Station - Pedestrian Collisions (January 1, 2013 - December 31, 2015)



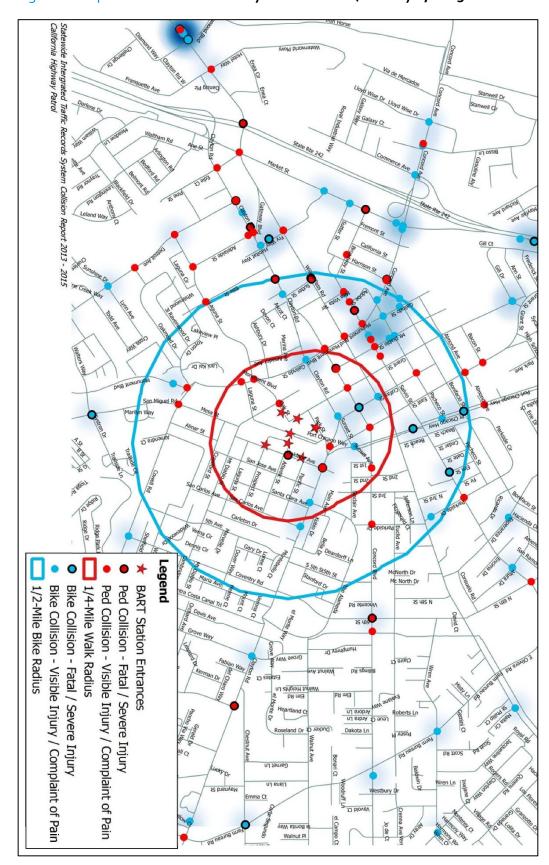
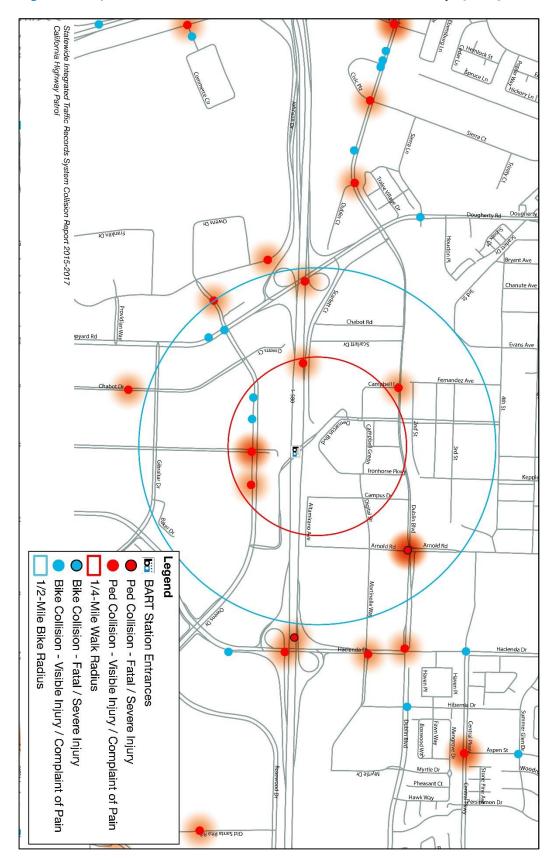


Figure A.11 | Concord Station - Bicycle Collisions (January 1, 2013 - December 31, 2015)

Figure A.12 | Dublin-Pleasanton: Pedestrian Collisions (January 1, 2015 – December 31, 2017)



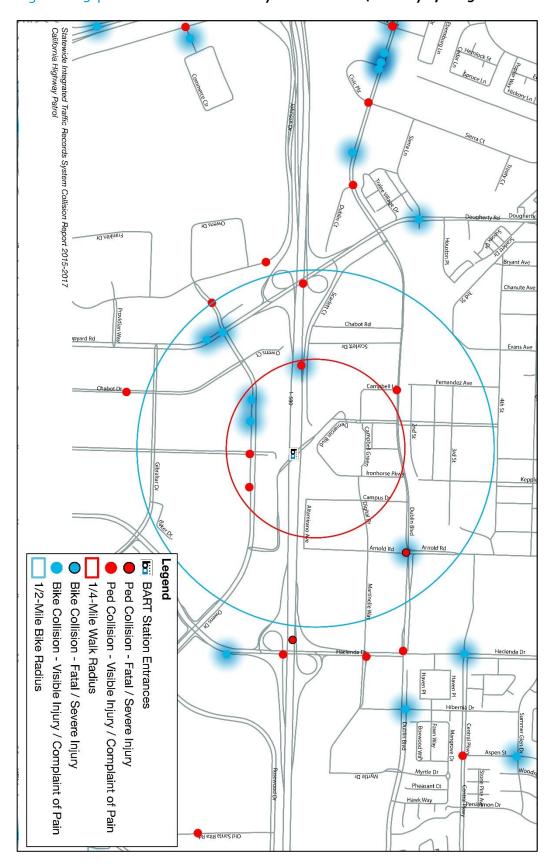


Figure A.13 | Dublin-Pleasanton: Bicycle Collisions (January 1, 2015 – December 31, 2017)

Figure A.14 | El Cerrito Plaza Station – Pedestrian Collisions (January 1, 2013 – December 31, 2015)

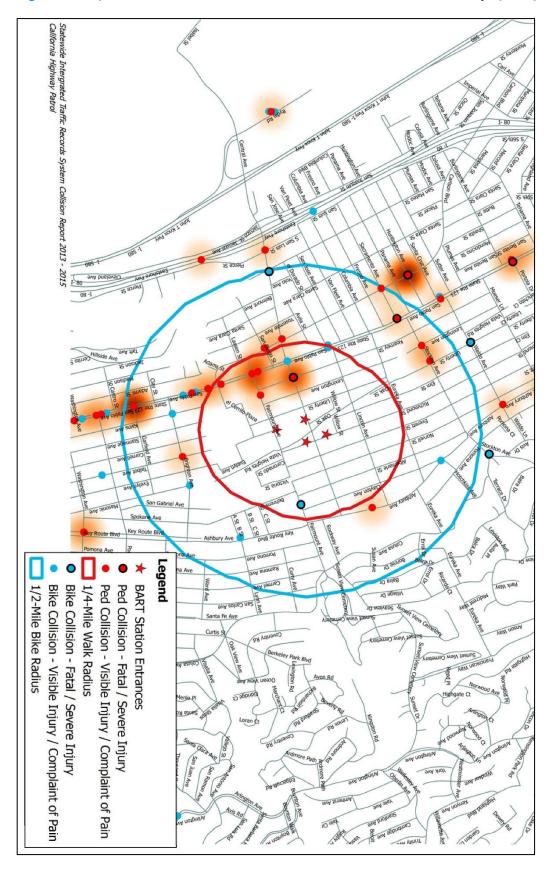


Figure A.15 | El Cerrito Plaza Station – Bicycle Collisions (January 1, 2013 – December 31, 2015)

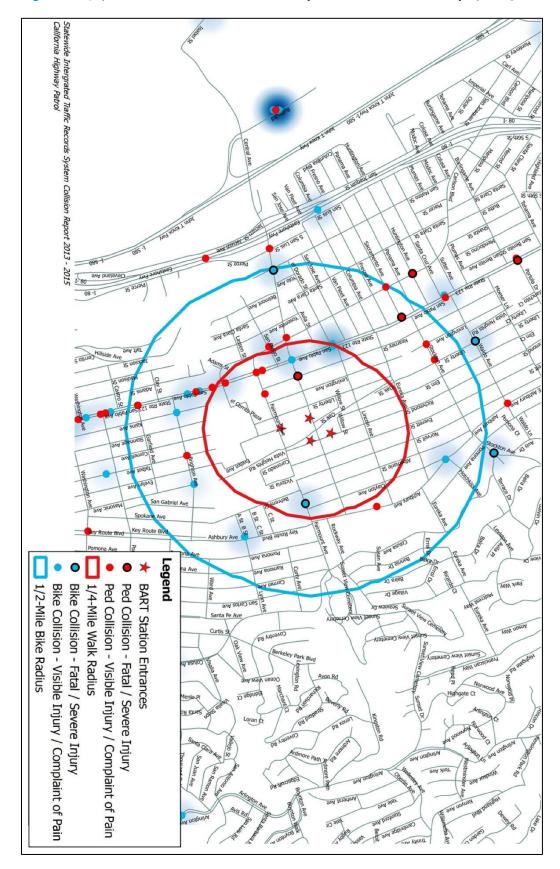


Figure A.16 | Fruitvale Station - Pedestrian Collisions (January 1, 2013 - December 31, 2015)

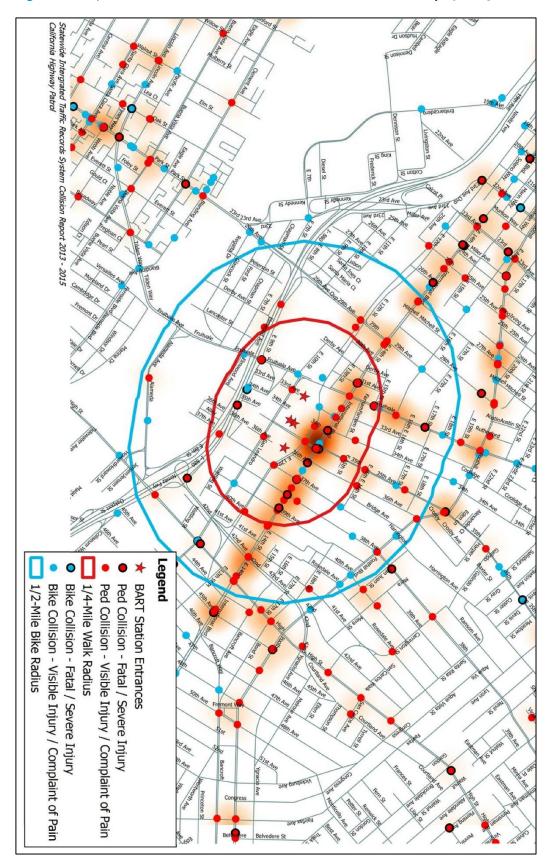


Figure A.17 | Fruitvale Station - Bicycle Collisions (January 1, 2013 - December 31, 2015)

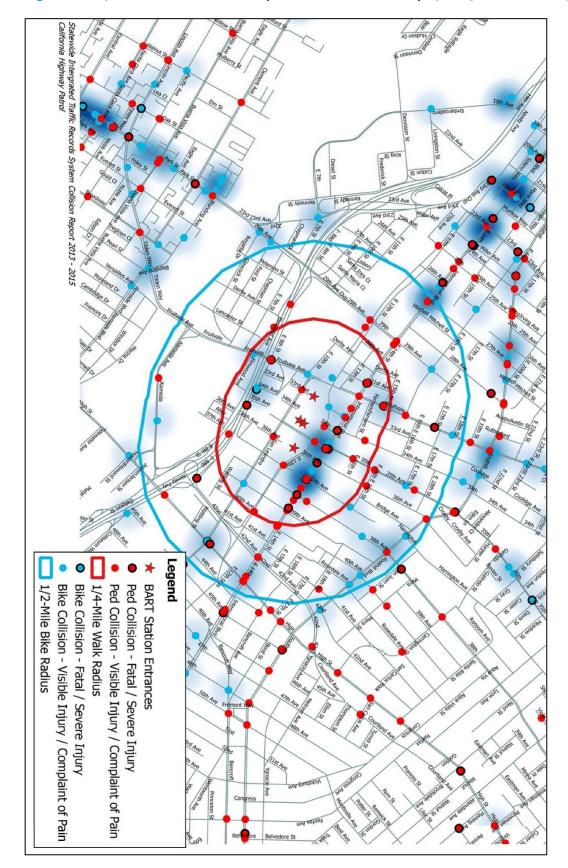
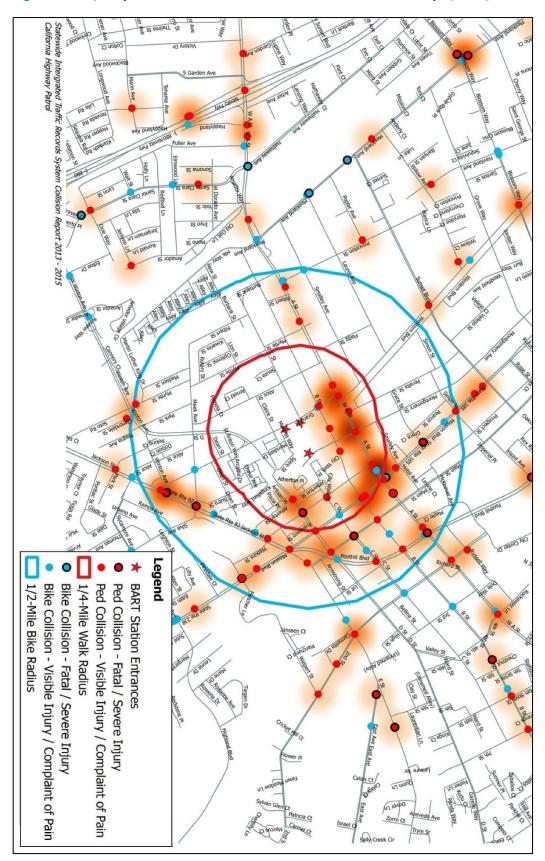


Figure A.18 | Hayward Station - Pedestrian Collisions (January 1, 2013 - December 31, 2015)



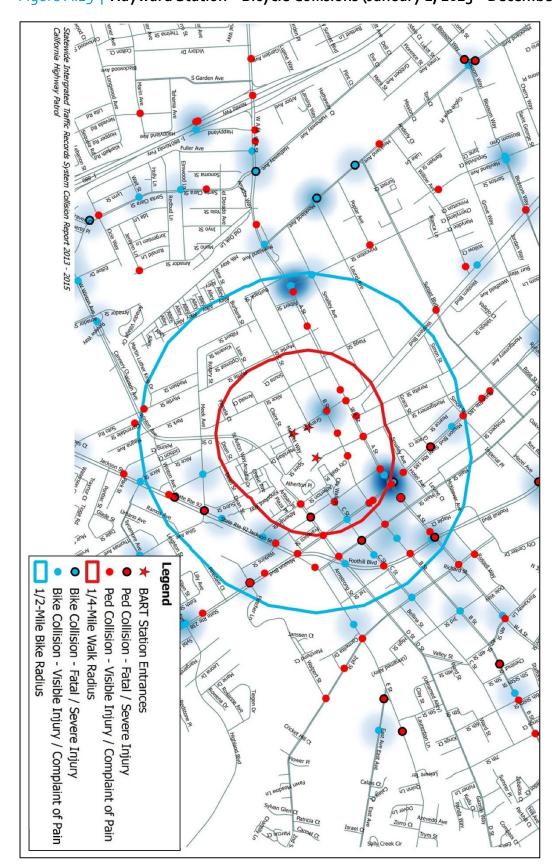


Figure A.19 | Hayward Station - Bicycle Collisions (January 1, 2013 - December 31, 2015)

Figure A.20 | Orinda: Pedestrian Collisions (January 1, 2015 – December 31, 2017)

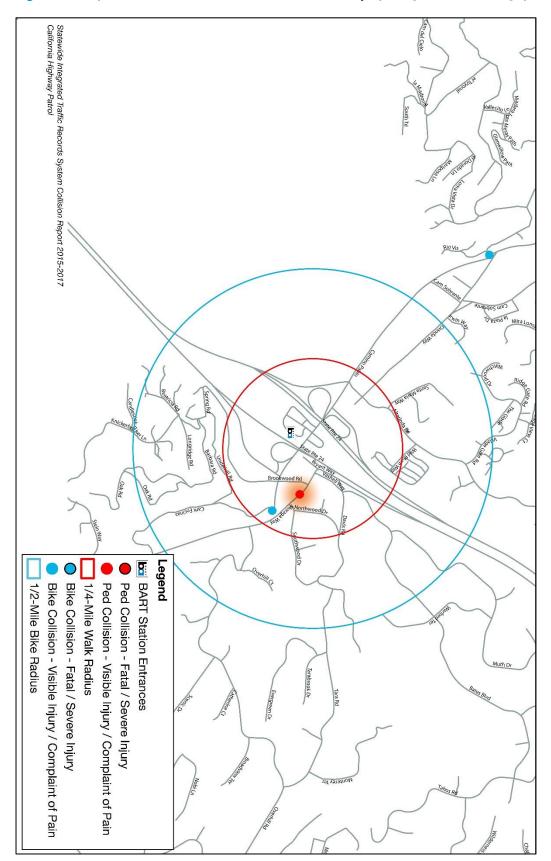


Figure A.21 | Orinda: Bicycle Collisions (January 1, 2015 – December 31, 2017)

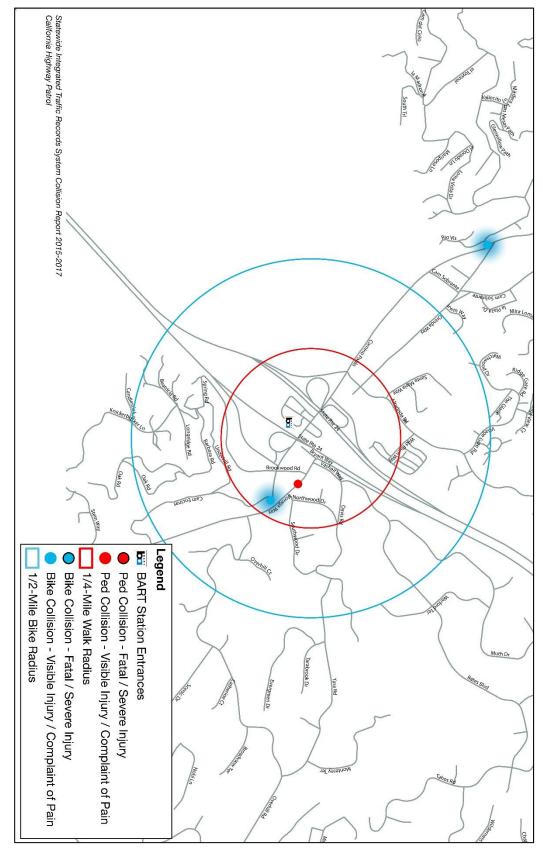
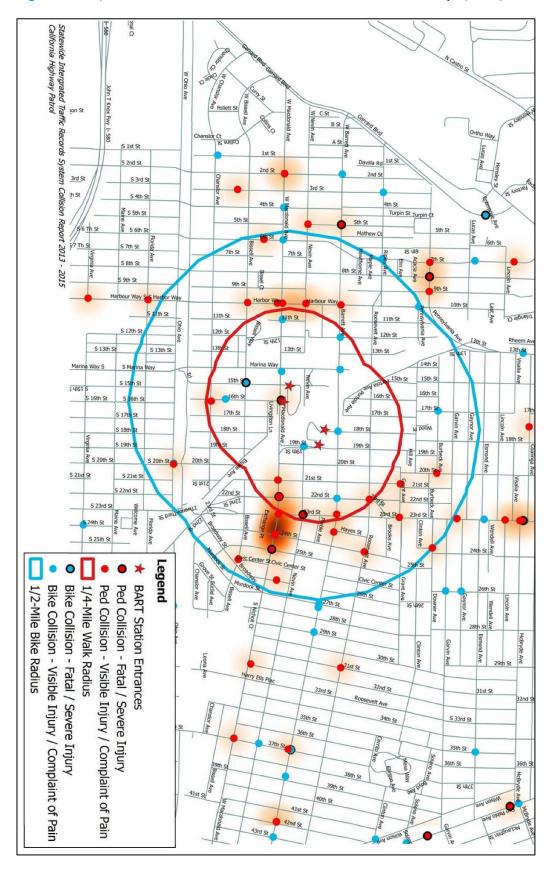


Figure A.22 | Richmond Station - Pedestrian Collisions (January 1, 2013 - December 31, 2015)



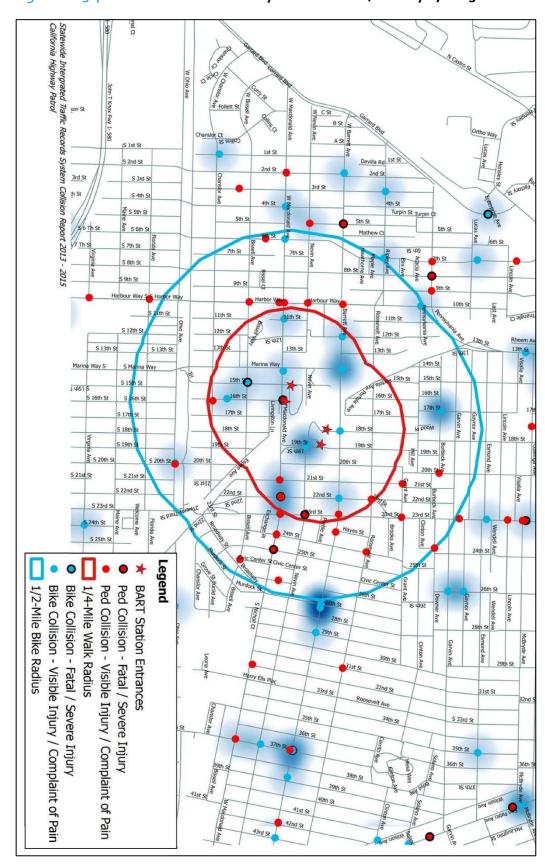
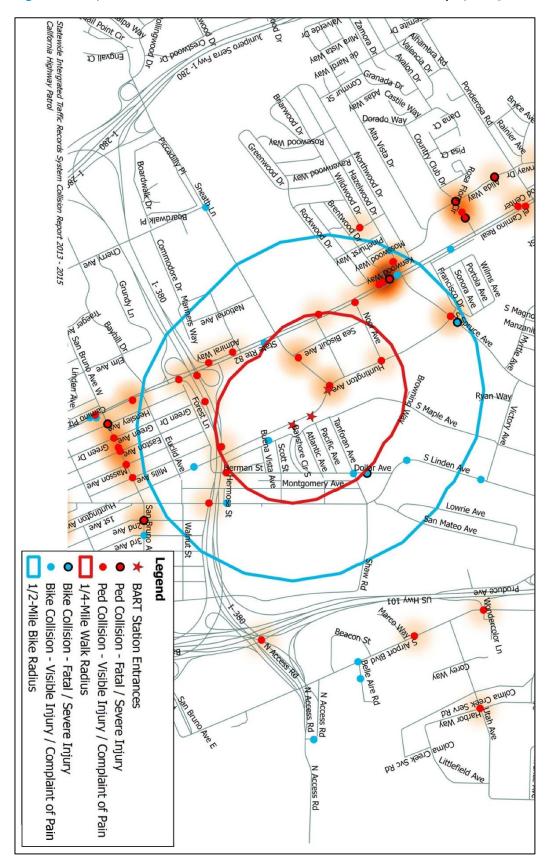


Figure A.23 | Richmond Station - Bicycle Collisions (January 1, 2013 - December 31, 2015)

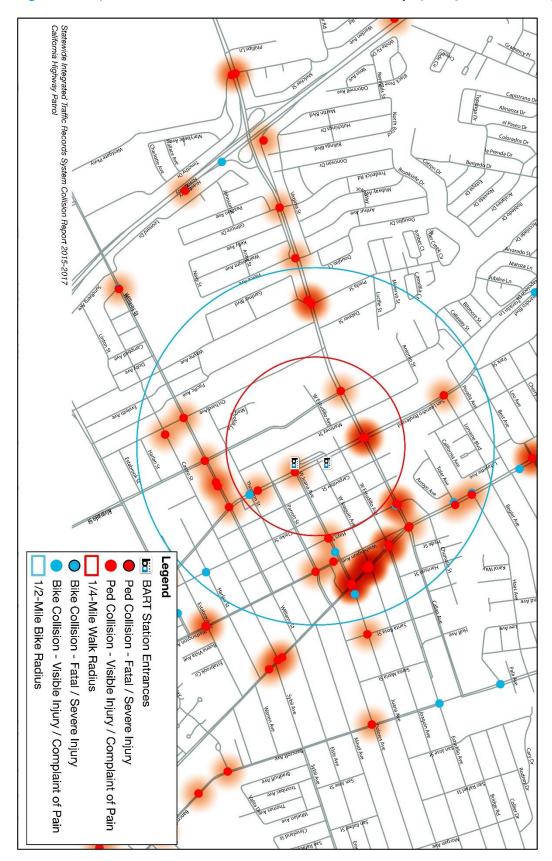
Figure A.24 | San Bruno Station - Pedestrian Collisions (January 1, 2013 - December 31, 2015)



OR I JAM'S BLIPS OLADIUM Statewide Intergrated Traffic Records System Collision Report 2013 - 2015 California Highway Patrol Crestwood Dr Engvall Ct Granada Dr Moderation Way DEUR Dorado Way BOSLOWSIK PI Sonora Me 2M notentrut Ryan Way S Maple Ave Green Dr Gre erman St a Lowrie Ave SW ISI an Mateo Ave Legend Ped Collision - Visible Injury / Complaint of Pain **BART Station Entrances** 1/2-Mile Bike Radius Bike Collision - Visible Injury / Complaint of Pain Bike Collision - Fatal / Severe Injury 1/4-Mile Walk Radius Ped Collision - Fatal / Severe Injury Produce Ave TOT AMH SO COLEY WAY DA VISE NEST VED TO SEND TO SE Littlefield Ave N Access Rd

Figure A.25 | San Bruno Station - Bicycle Collisions (January 1, 2013 - December 31, 2015)

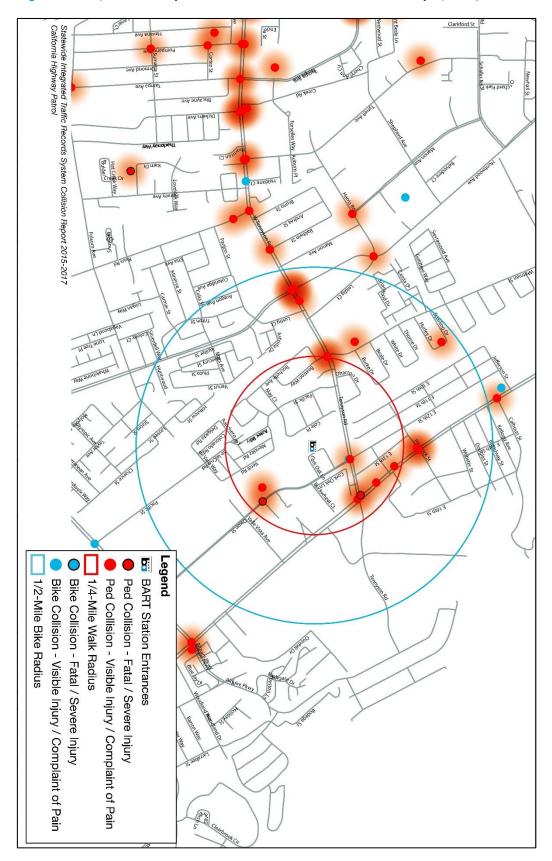
Figure A.26 | San Leandro: Pedestrian Collisions (January 1, 2015 - December 31, 2017)



Statewide Integrated Traffic Records System Collision Report 2015-2017 California Highway Patrol Legend BART Station Entrances Karol Way Bike Collision - Fatal / Severe Injury 1/4-Mile Walk Radius Ped Collision - Visible Injury / Complaint of Pain Ped Collision - Fatal / Severe Injury Bike Collision - Visible Injury / Complaint of Pain 1/2-Mile Bike Radius gun stell snat

Figure A.27 | San Leandro: Bicycle Collisions (January 1, 2015 – December 31, 2017)

Figure A.28 | South Hayward: Pedestrian Collisions (January 1, 2015 - December 31, 2017)



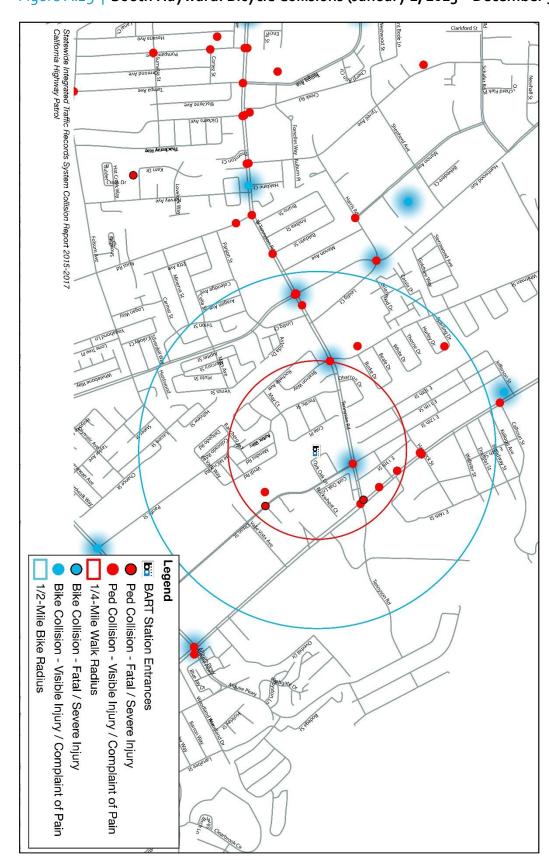
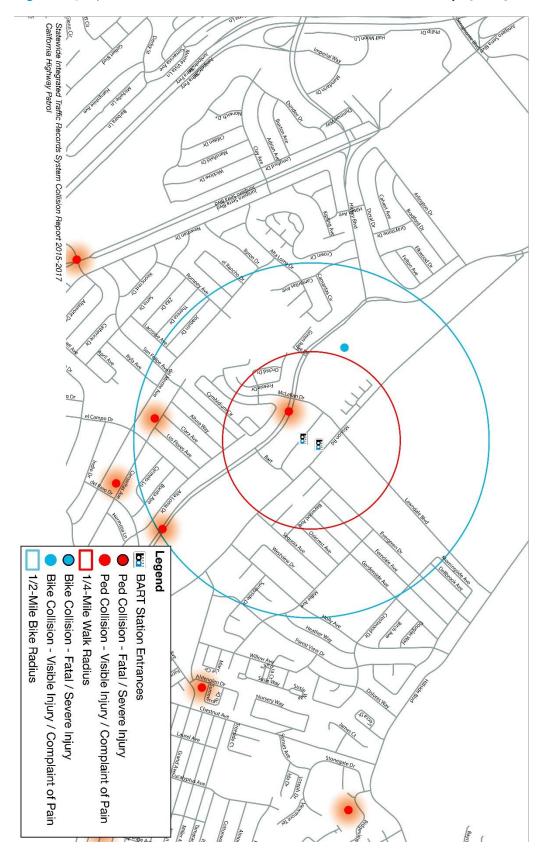


Figure A.29 | South Hayward: Bicycle Collisions (January 1, 2015 - December 31, 2017)

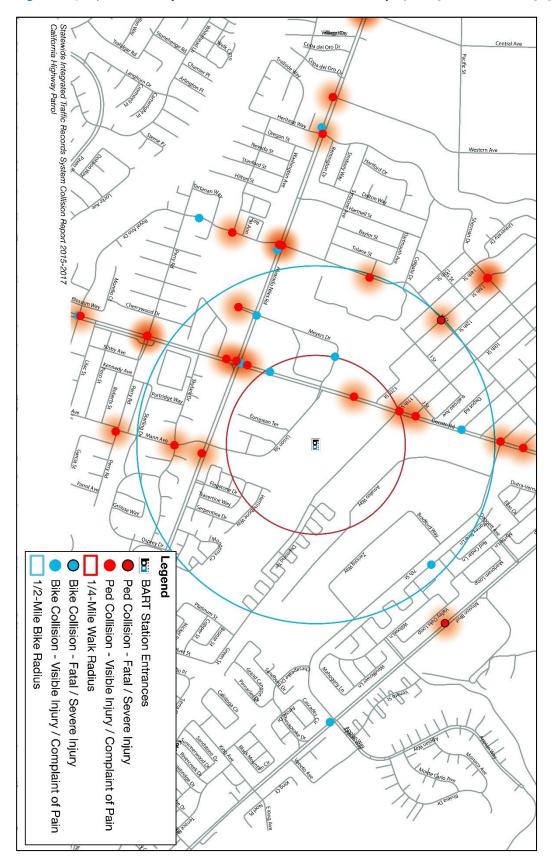
Figure A.30 | South San Francisco: Pedestrian Collisions (January 1, 2015 - December 31, 2017)



Statewide Integrated Traffic Records System Collision Report 2015-2017 California Highway Patrol o Dr 8 8 BART Station Entrances Ped Collision - Fatal / Severe Injury Bike Collision - Fatal / Severe Injury Ped Collision - Visible Injury / Complaint of Pain Bike Collision - Visible Injury / Complaint of Pain 1/2-Mile Bike Radius 1/4-Mile Walk Radius

Figure A.31 | South San Francisco: Bicycle Collisions (January 1, 2015 – December 31, 2017)

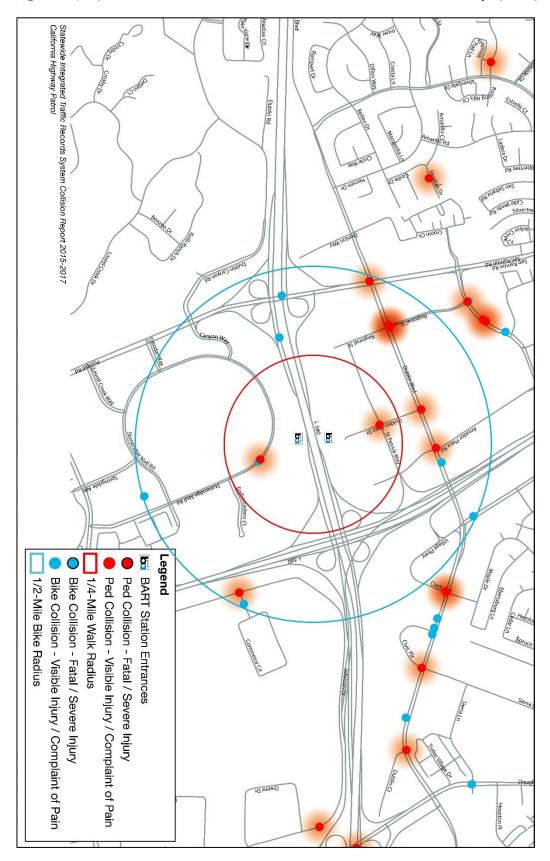
Figure A.32 | Union City: Pedestrian Collisions (January 1, 2015 – December 31, 2017)



Statewide Integrated Traffic Records System Collision Report 2015-2017 California Highway Patrol Central Ave 8 Legend **BART** Station Entrances Ped Collision - Fatal / Severe Injury Bike Collision - Fatal / Severe Injury 1/4-Mile Walk Radius Ped Collision - Visible Injury / Complaint of Pain 1/2-Mile Bike Radius Bike Collision - Visible Injury / Complaint of Pain

Figure A.33 | Union City: Bicycle Collisions (January 1, 2015 – December 31, 2017)

Figure A.34 | West Dublin-Pleasanton: Pedestrian Collisions (January 1, 2015 – December 31, 2017)



Statewide Integrated Traffic Records System Collision Report 2015-2017 California Highway Patrol 8 8 Legend **bai** BART Station Entrances Ped Collision - Fatal / Severe Injury Bike Collision - Fatal / Severe Injury Ped Collision - Visible Injury / Complaint of Pain 1/4-Mile Walk Radius 1/2-Mile Bike Radius Bike Collision - Visible Injury / Complaint of Pain

Figure A.35 | West Dublin-Pleasanton: Bicycle Collisions (January 1, 2015 – December 31, 2017)

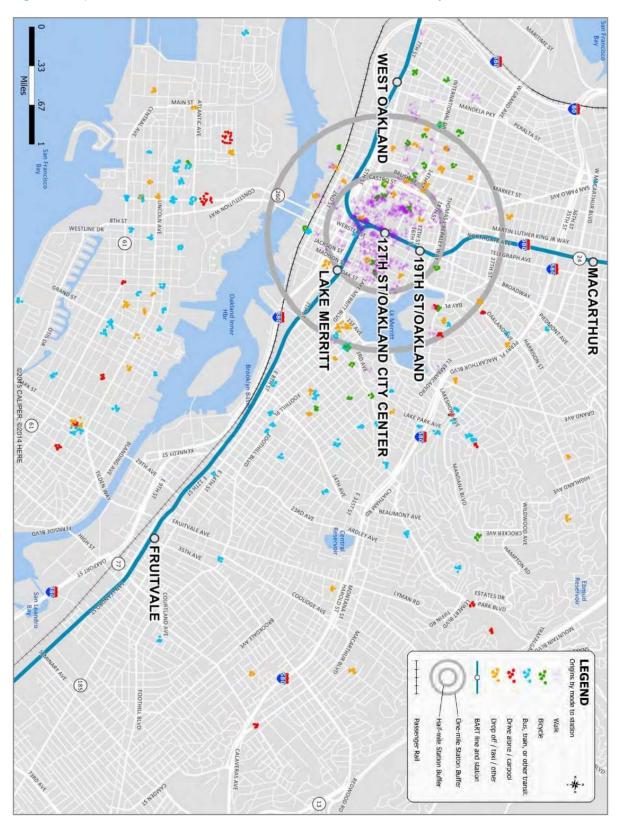
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Appendix B | BART Passenger Home Origin Maps by Mode

This appendix provides maps for each Focus Station area that indicate the home origins of weekday BART riders that also show the mode each uses to access the station. The source of this information is the BART's 2015 Station Profile Study, which was based on surveys of BART passengers.

Note for all maps: The data shown on these maps was weighted to represent average weekday ridership and is shown scattered around actual origin point. The "Drive alone / carpool" category includes motorcycle; "Drop off / taxi / other" includes appbased ridesharing services like Uber and Lyft.

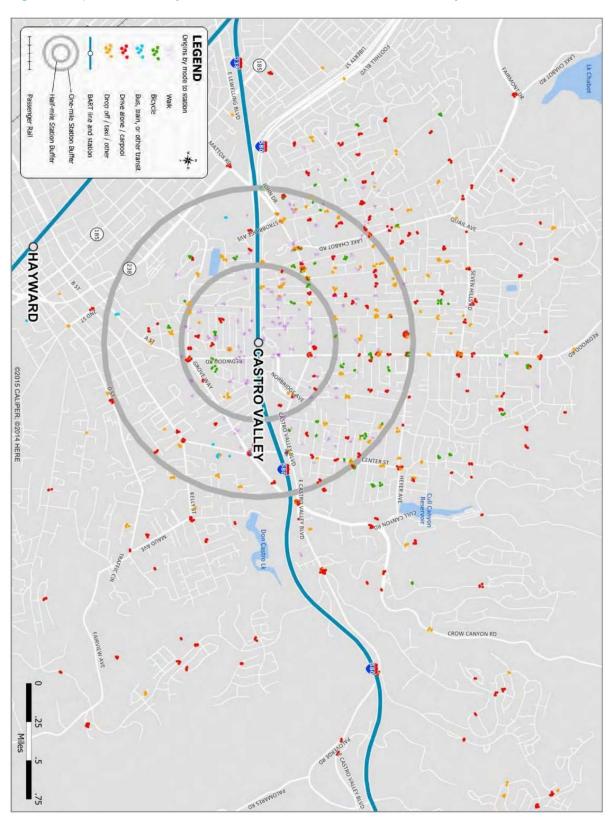
Figure C.1 | 12th Street Station - Access from Home Location by Mode



LEGEND
Origins by mode to st GR 3DATNOR? W 8 (123) (1) NORTH BERKELEY DOWNTOWN BERKELEY 92015 CALIPER; ©2014 HERE T2 OXO3XO ₹ ROCKRIDGE A

Figure C.2 | Ashby Station - Access from Home Location by Mode

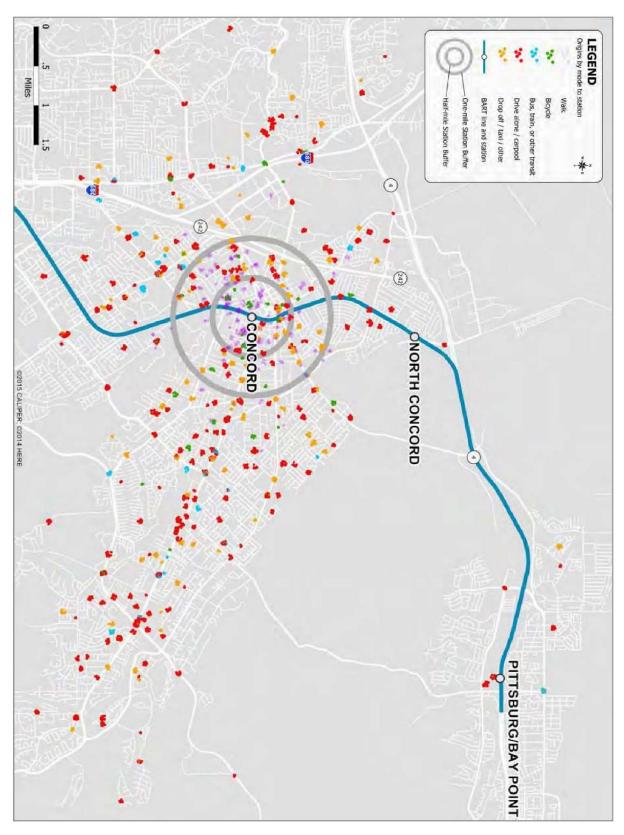
Figure C.3 | Castro Valley Station - Access from Home Location by Mode



COLISEUM 185 (<u>F</u> **GVJ8 RUHTRADAM** LEGEND Origins by mode to st

Figure C.4 | Coliseum Station - Access from Home Location by Mode

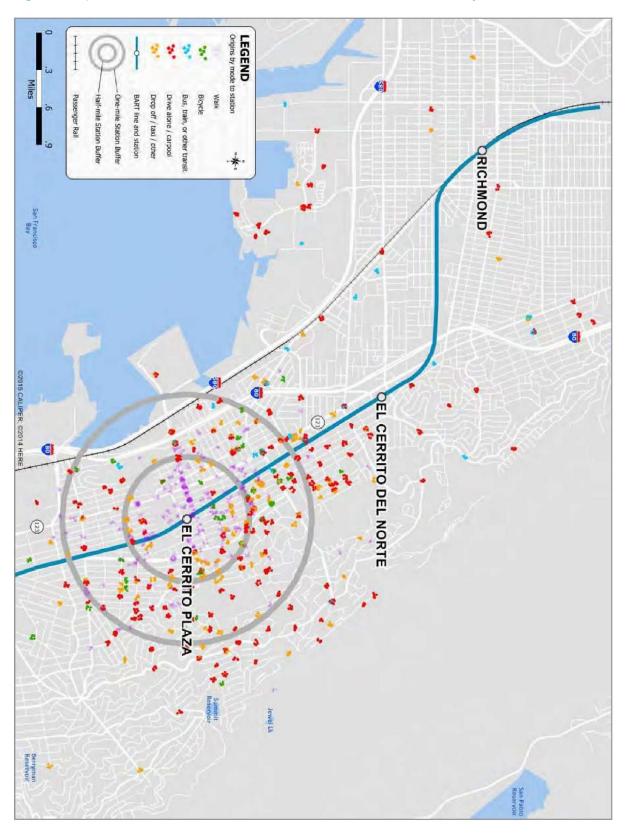
Figure C.5 | Concord Station - Access from Home Location by Mode



©2015 CALIPER; ©2014 HERE Alameda County San Joaquin County LEGEND Origins by mode t

Figure C.6 | Dublin-Pleasanton Station - Access from Home Location by Mode

Figure C.7 | El Cerrito Plaza Station - Access from Home Location by Mode



LEGEND
Origins by mode to statio AKE MERRITI 12TH ST/OAKLAND CITY CENTER 19TH ST/OAKLAND

Figure C.8 | Fruitvale Station - Access from Home Location by Mode

Figure C.9 | Hayward Station - Access from Home Location by Mode

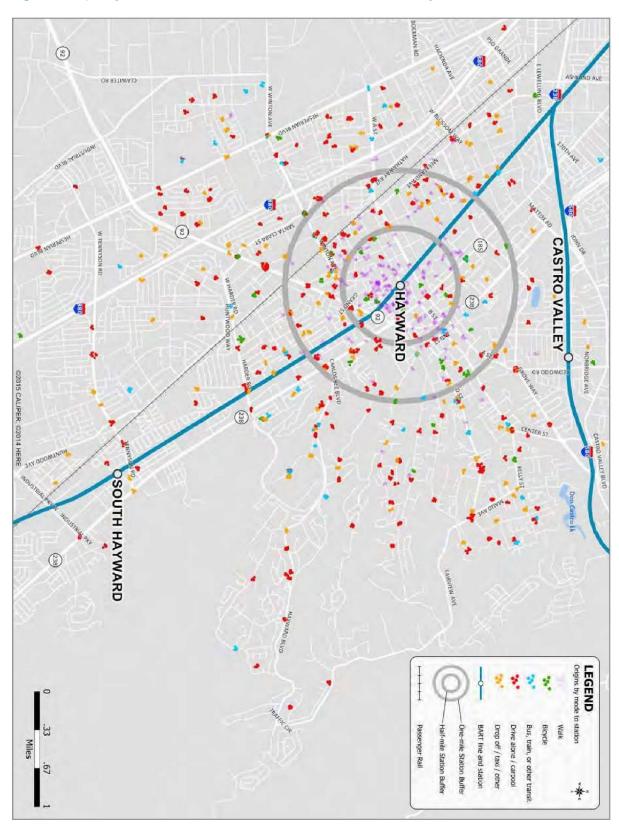


Figure C.10 | Orinda Station - Access from Home Location by Mode

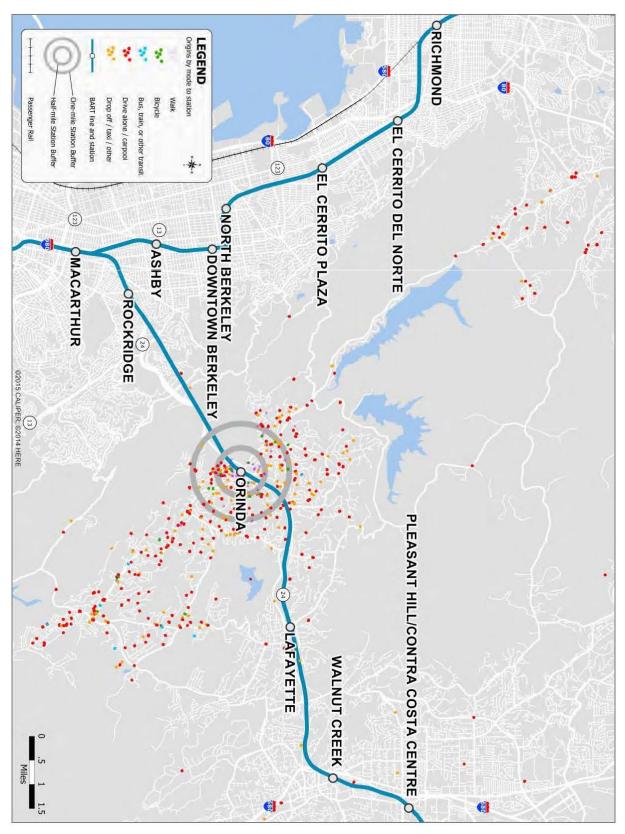
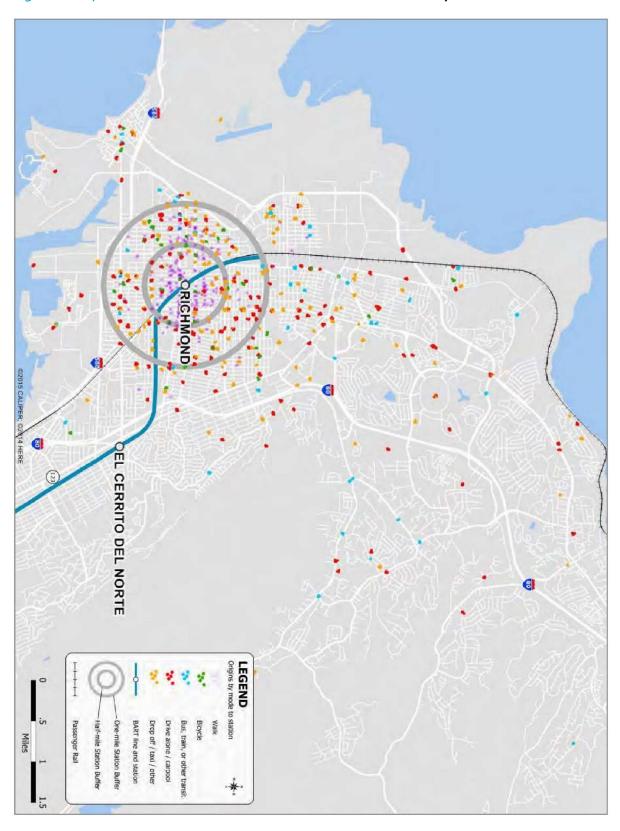


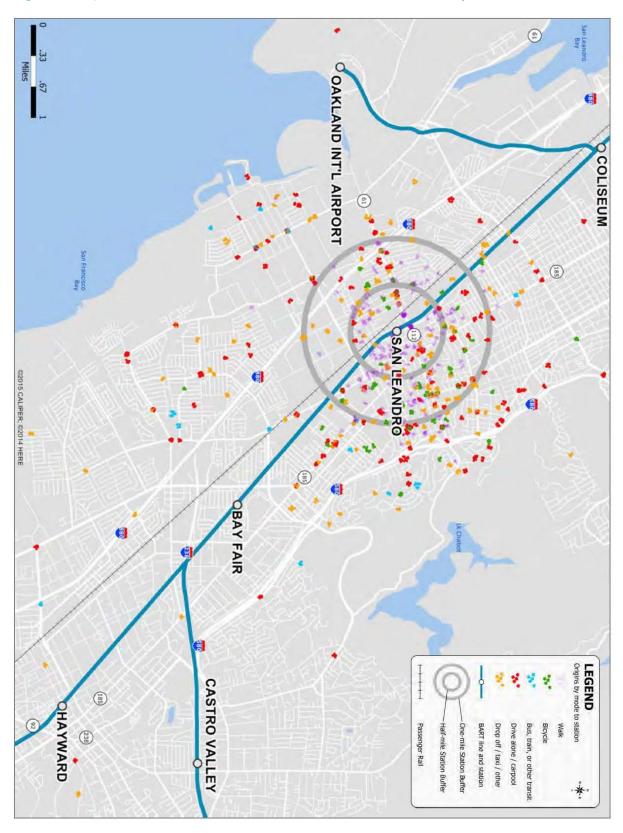
Figure C.11 | Richmond Station - Access from Home Location by Mode



0 SOUTH SAN FRANCISCO SAN BRUNO O SAN FRANCISCO INT'L AIRPORT ©2015 CALIPER; ©2014 HERE MILLBRAE (%) (82) LEGEND Origins by mode t orop off / taxi / other

Figure C.12 | San Bruno Station - Access from Home Location by Mode

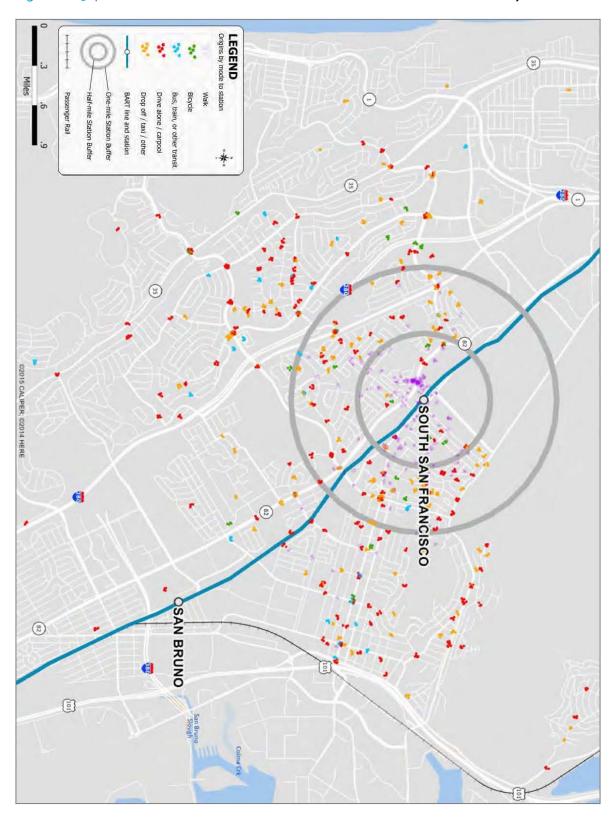
Figure C.13 | San Leandro Station - Access from Home Location by Mode



92 HAYWARD ©2015 CALIPER: ©2014 HERE **TH HAYWARD** NION CITY FREMONT LEGEND
Origins by mode to station talf-mile Station Buffer (238)

Figure C.14 | South Hayward Station - Access from Home Location by Mode

Figure C.15 | South San Francisco Station - Access from Home Location by Mode



FREMONT 238 Helf mile Station Buffer

Figure C.16 | Union City Station - Access from Home Location by Mode

Figure C.17 | West Dublin-Pleasanton Station - Access from Home Location by Mode

