Arrow Highway Multimodal Regional Corridor Plan

SGVCOG Transportation Committee

May 13, 2021

Plan Outline

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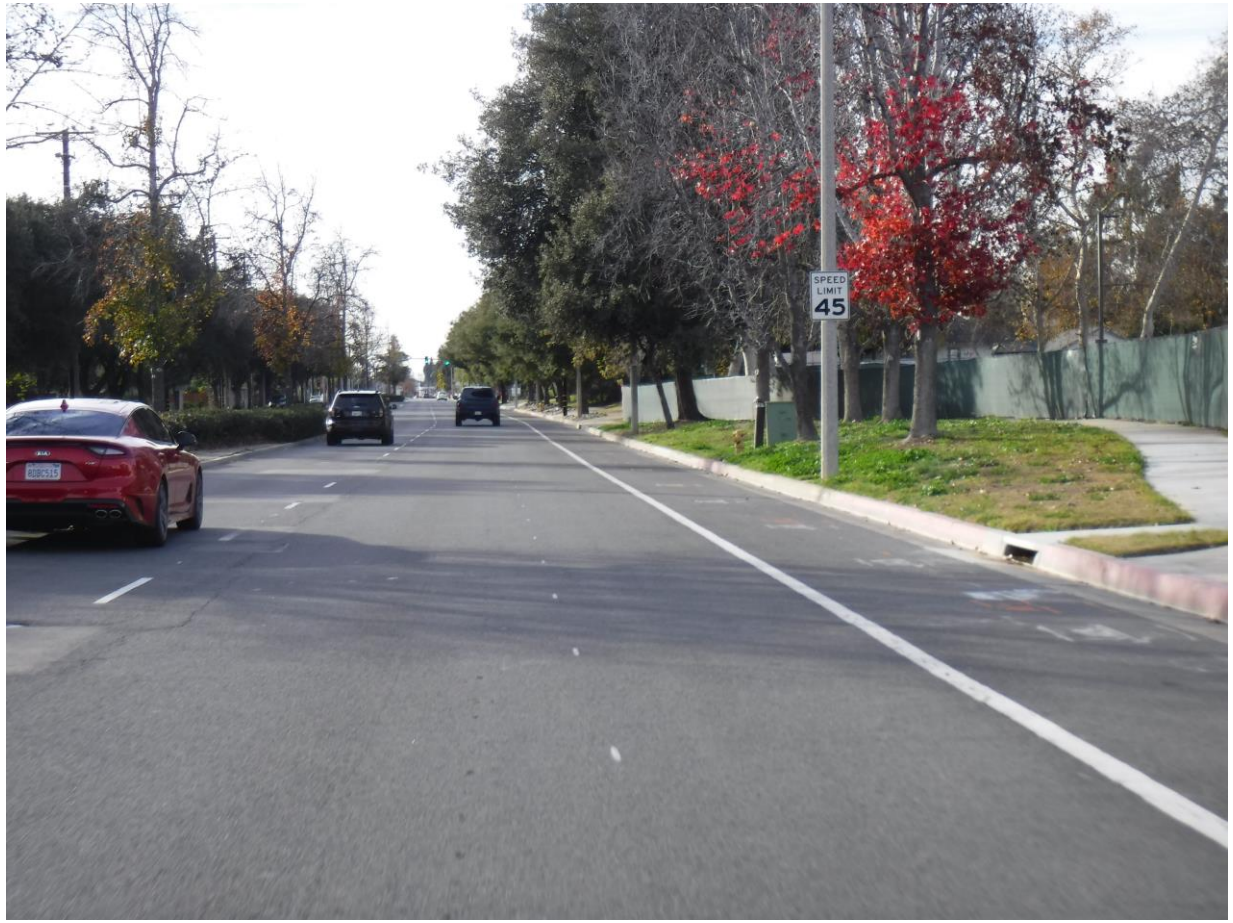
2. Stakeholder Engagement Process
3. Goals, Objectives & Vision
4. Existing Conditions Analysis
5. Infrastructure Recommendations
   - Pedestrian/Bicycle Spot Improvements
   - Arrow Hwy Short-Term Bikeway Project
6. Implementation Strategy



Project Background & Context

Arrow Highway Multimodal Regional Corridor Plan

0 1.25 2.5 Miles

Alternative Routes

Arrow Highway Route — Main Street Route — Neighborhood Route

Stakeholder Engagement Process

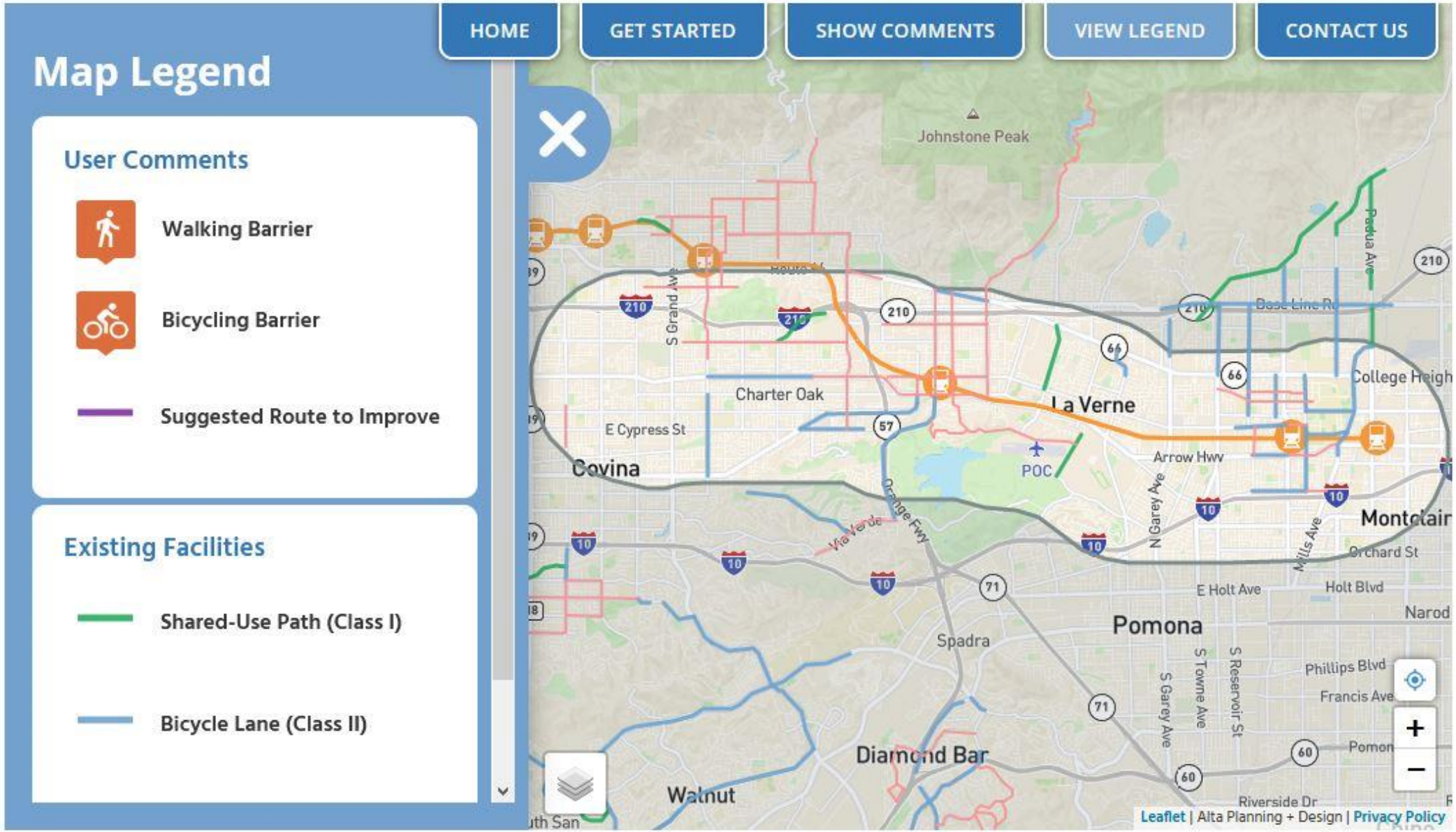
- Community Advisory Committee (CAC) – 4 meetings
- Project Website (www.eastsgvconnect.com)
- Online Input Map
- Public Survey
- Community Events & Presentations
- Go Human Demonstration

City	Date	Event Info
Glendora	Nov. 22, 2019	Holiday Tree Lighting - Roll to the Stroll - Go Human Demo
San Dimas	Dec. 7, 2019	Holiday Extravaganza - Bonita Avenue in Old Town
	Dec. 18, 2019	Classroom presentations - Bonita Unified School District
La Verne	Dec. 14, 2019	Winter Wonderland - Old Town La Verne, corner of Third Street & D Street
	Jan. 8, 2020	Bonita Unified School District Board Meeting
	Jan. 14, 2020	La Verne Active Transportation Committee
Pomona	Oct. 12, 2019	Downtown Pomona 5K
	Oct. 14, 2019	Class presentation at Cal Poly Pomona
	Jan. 18, 2020	Claremont Trotters & Pomona Valley Runners Social - Sanctum Brewing
Claremont	Dec. 16, 2020	Claremont Bicycle & Pedestrian Advisory Committee and Sustainable Claremont - Virtual Presentation

Public Input Map

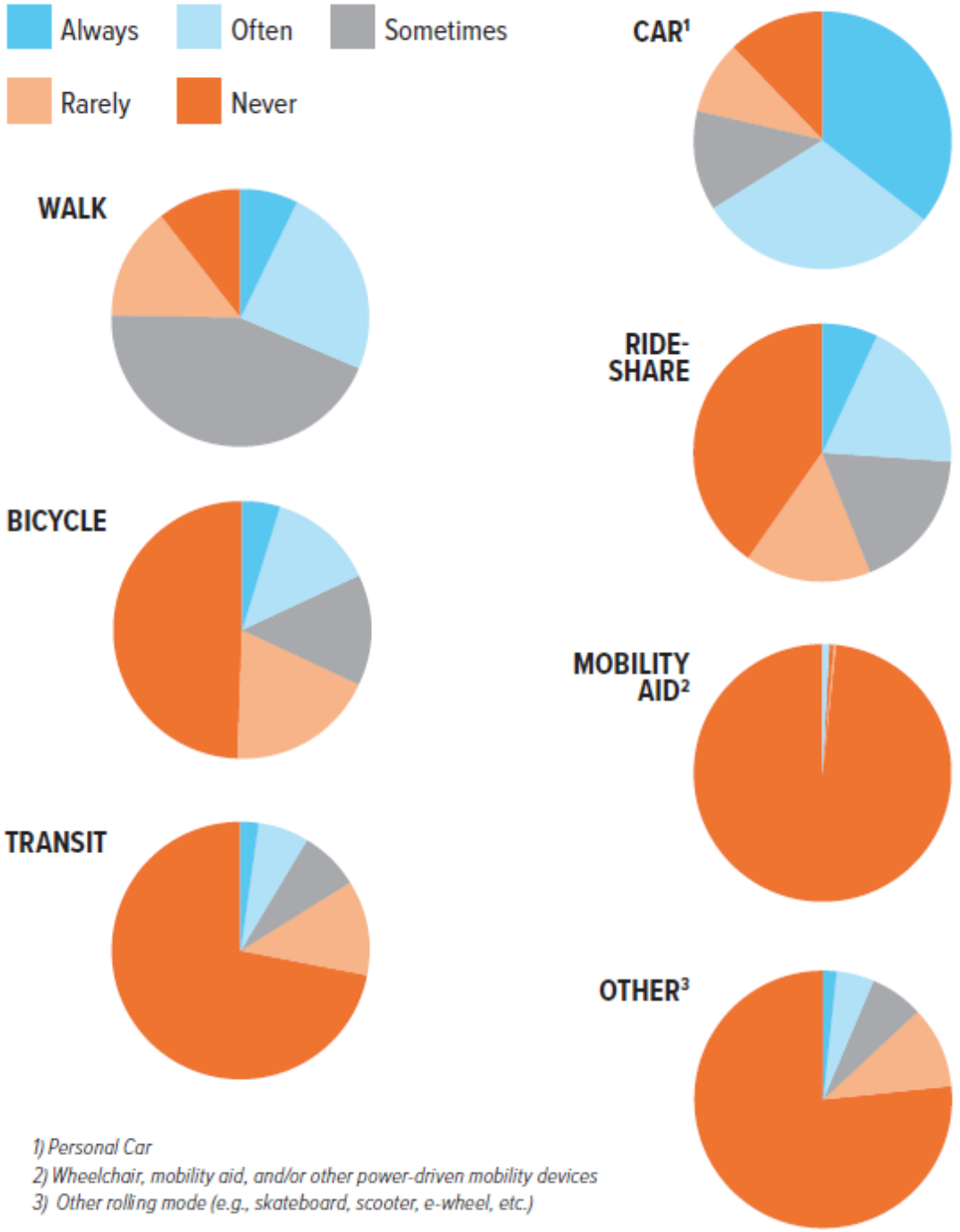
LAUNCH IN A NEW TAB

alta



Stakeholder Engagement Process

- Results for Survey Question: “When you make trips of less than one mile, how do you typically travel?”



Foothill Blvd
Foothill Blvd
RIGHT LANE
MUST
TURN RIGHT

Goals, Objectives & Vision

The project goals are:

- People of all ages and abilities safely walk and bike along the Multimodal Regional Corridor.
- The Multimodal Regional Corridor connects to rail transit and the key destinations in the area, reducing vehicle miles traveled while increasing the economic attractiveness of areas along it.
- The Multimodal Regional Corridor connects to the larger trail network and increases physical activity.
- The Multimodal Regional Corridor is a recognizable experience which showcases the identity, history/aspirations and sustainability of each of the five cities.
- The Multimodal Regional Corridor and Metro Gold Line are the infrastructural backbones of a region that promotes sustainable transportation through cooperation among cities and with institutions.

Goals, Objectives & Vision

The project objectives are to:

- Develop an east-west active transportation route or routes to facilitate walking, bicycling, using other non-motorized forms of transportation, and accessing transit networks
- Develop a recommended project list to create those routes
- Develop implementation strategies for the projects which include prioritization methodology, potential phasing, and funding opportunities
- Develop policies to help support active transportation in corridor cities

Goals, Objectives & Vision

No.	Objective	Baseline (Data Source)	No.	Strategy
Goal 1: People of all ages and abilities safely walk and bike along the Multimodal Regional Corridor.				
1.1	No traffic fatalities along project corridor(s) after project implementation	No traffic fatalities in the last five years (SWITRS, 1/1/2014-12/31/2018)	1.A	Improve all sidewalks along the Multimodal Regional Corridor to meet current ADA standards.
1.2	Crash rates are reduced by 33% along project corridor(s)	229 collisions on Arrow Hwy 127 collisions on Bonita (SWITRS, 1/1/2014-12/31/2018)	1.B	Fill in all gaps of shade trees and move narrow sidewalks away from the curb edge for pedestrian comfort.
1.3	Pedestrian volumes increase by 20% (Bonita) / 150% (Arrow)	Arrow: 189 Bonita: 1,216 (screenline Pedestrian Counts conducted at ten locations)	1.C	Create a continuous low-stress bicycle corridor appropriate for novice cyclists, including youth. Adhere to the speed/ volume criteria in the FHWA 2019 Bikeway Selection Guide in the choice of facility type.
1.4	One continuous 10-mile low-stress (LTS<=2) bicycle facility built from Barranca Avenue to the County line	No	1.D	Ensure that pedestrians and cyclists experience a high degree of safety at intersections.

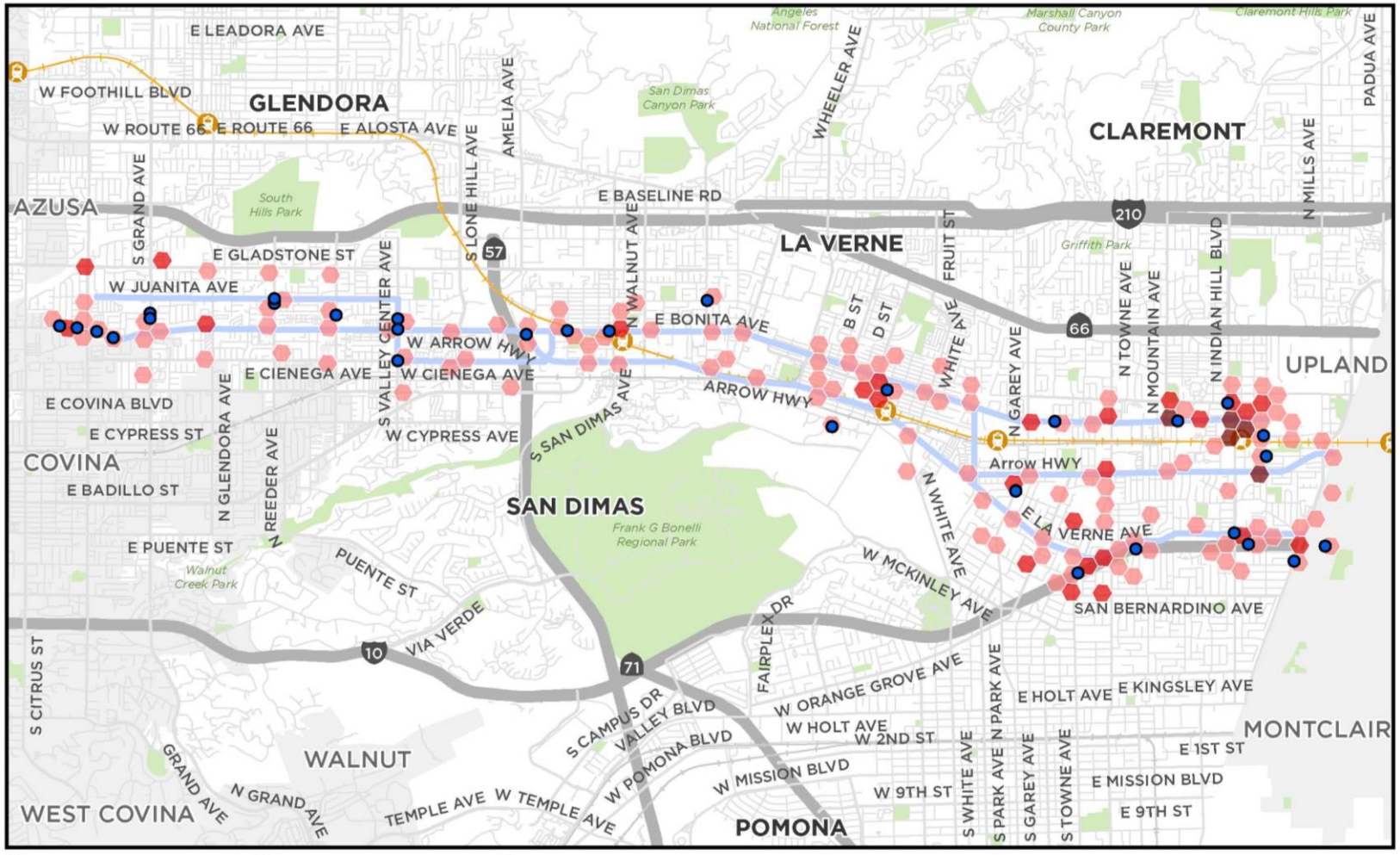
Existing Conditions Analysis – Traffic Volumes

City	Corridor	Between		No. Travel lanes	Total Volume	Veh. / Ln.	% Buses	% Trucks
Glendora	Arrow Hwy	Sunflower Ave	Valley Center Ave	4	20,683	5,171	0.4%	2.7%
	Bonnie Cove Ave	Juanita Ave	Arrow Hwy	2	4,867	2,434	0.1%	0.4%
	Juanita Ave	Glendora Ave	Bonnie Cove Ave	2	3,048	1,524	0.0%	0.7%
	Sunflower Ave	Juanita Ave	Arrow Hwy	5	12,736	2,547	0.1%	1.4%
San Dimas	Bonita Ave	San Dimas Ave	Walnut Ave	3	14,635	4,878	0.6%	0.3%
	Cienega Ave	Huntington Ave	SR 57 Fwy	5	12,451	2,490	0.1%	0.9%
	San Dimas Ave	Bonita Ave	Arrow Hwy	4	10,716	2,679	0.6%	0.5%
La Verne	Arrow Hwy	Carrion Rd	Wheeler Ave	6	21,928	3,655	0.2%	2.3%
	Arrow Hwy	E St	White Ave	6	23,256	3,876	0.1%	2.4%
	Bonita Ave	Wheeler Ave	A St	2	11,385	5,693	0.7%	0.2%
	Wheeler Ave	2nd St	3rd St	4	10,676	2,669	0.2%	1.1%
Pomona	Arrow Hwy	Garey Ave	Maple Ave	5	17,557	3,511	0.4%	2.5%
	Bonita Ave	Towne Ave	Garey	3	12,152	4,051	0.8%	0.6%
	Towne Ave	Bonita Ave	Metrolink	4	24,605	6,151	0.2%	1.9%
Claremont	Arrow Hwy	Cambridge Ave	Indian Hill Blvd	4	20,160	5,040	0.4%	2.0%
	Arrow Hwy	College Ave	Mills Ave/Claremont Blvd	4	19,394	4,849	0.5%	1.9%
	Bonita Ave	Indian Hill Blvd	Alley 37/38	2	4,780	2,390	0.2%	3.0%

Existing Conditions Analysis – Vehicle Speeds

City	Route	Between		Posted Speed Limit	Average Speed	85th Percentile Speed
Glendora	Arrow Hwy	Sunflower Ave	Valley Center Ave	45 MPH	35 MPH	42 MPH
	Bonnie Cove Ave	Juanita Ave	Arrow Hwy	30 MPH	22 MPH	30 MPH
	Juanita Ave	Glendora Ave	Bonnie Cove Ave	30 MPH	27 mph	34 mph
	Sunflower Ave	Juanita Ave	Arrow Hwy	35 MPH	32 MPH	39 MPH
San Dimas	Bonita Ave	San Dimas Ave	Walnut Ave	25 MPH	21 MPH	27 MPH
	Cienega Ave	Huntington Ave	SR 57 Fwy	40 MPH	37 MPH	43 MPH
	San Dimas Ave	Bonita Ave	Arrow Hwy	35 MPH	24 MPH	29 MPH
La Verne	Arrow Hwy	Carrion Rd	Wheeler Ave	45 MPH	36 MPH	44 MPH
	Arrow Hwy	E St	White St	45 MPH	27 MPH	35 MPH
	Bonita Ave	Wheeler Ave	A St	35 MPH	31 MPH	36 MPH
	Wheeler Ave	2nd St	3rd St	40 MPH	30 MPH	36 MPH
Pomona	Arrow Hwy	Garey Ave	Maple	45 MPH	33 MPH	41 MPH
	Bonita Ave	Garey Ave	Towne Ave	35 MPH	33 MPH	39 MPH
	Towne Ave	Bonita Ave	Metrolink	40 MPH	31 MPH	38 MPH
Claremont	Arrow Hwy	Cambridge Ave	Indian Hill Blvd	45 MPH	36 MPH	43 MPH
	Arrow Hwy	College Ave	Mills Ave	40 MPH*	34 MPH	40 MPH

Existing Conditions Analysis



Arrow Highway Multimodal Regional Corridor Plan

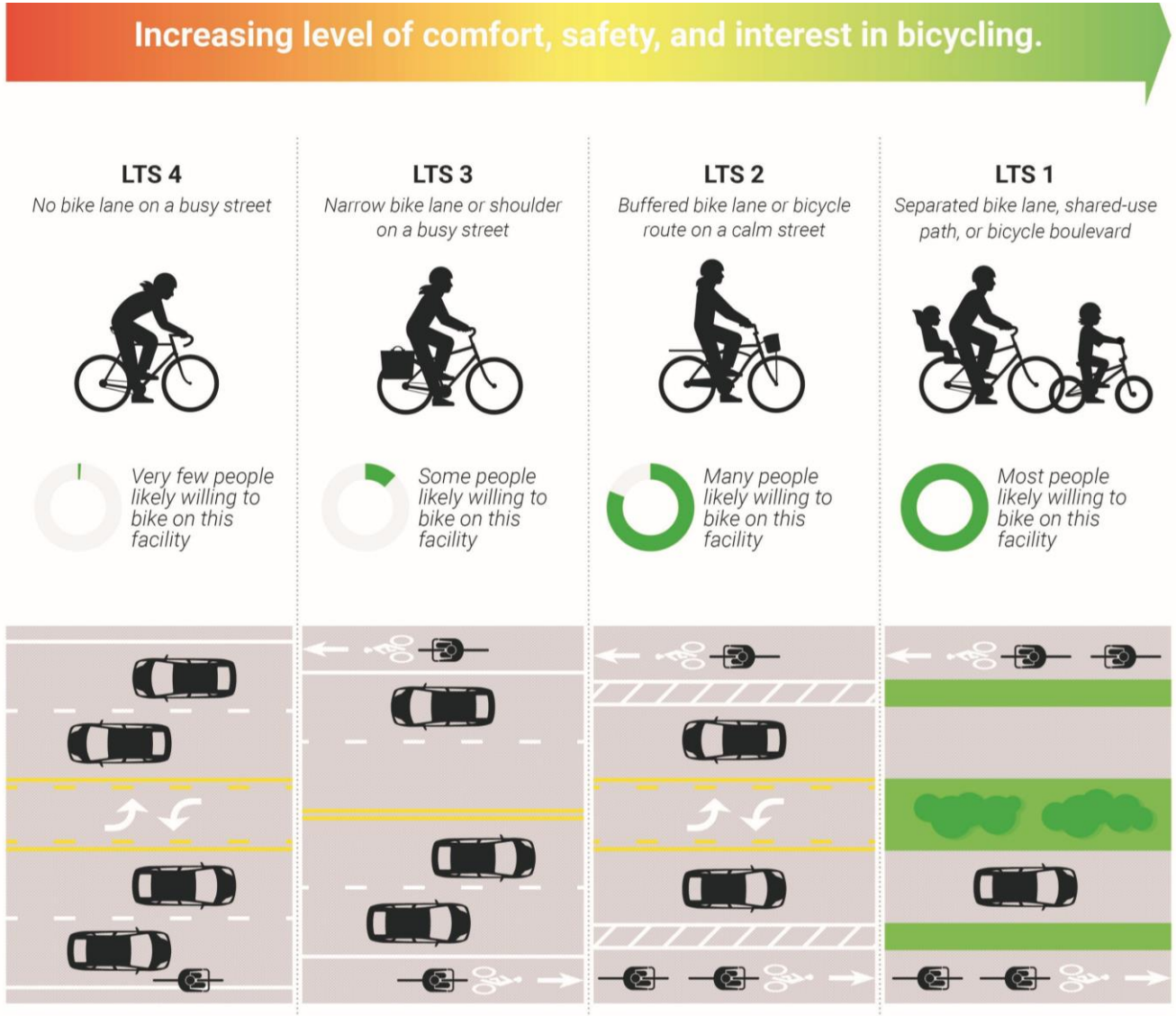
Bicycle and Pedestrian Collisions

Existing Conditions Analysis

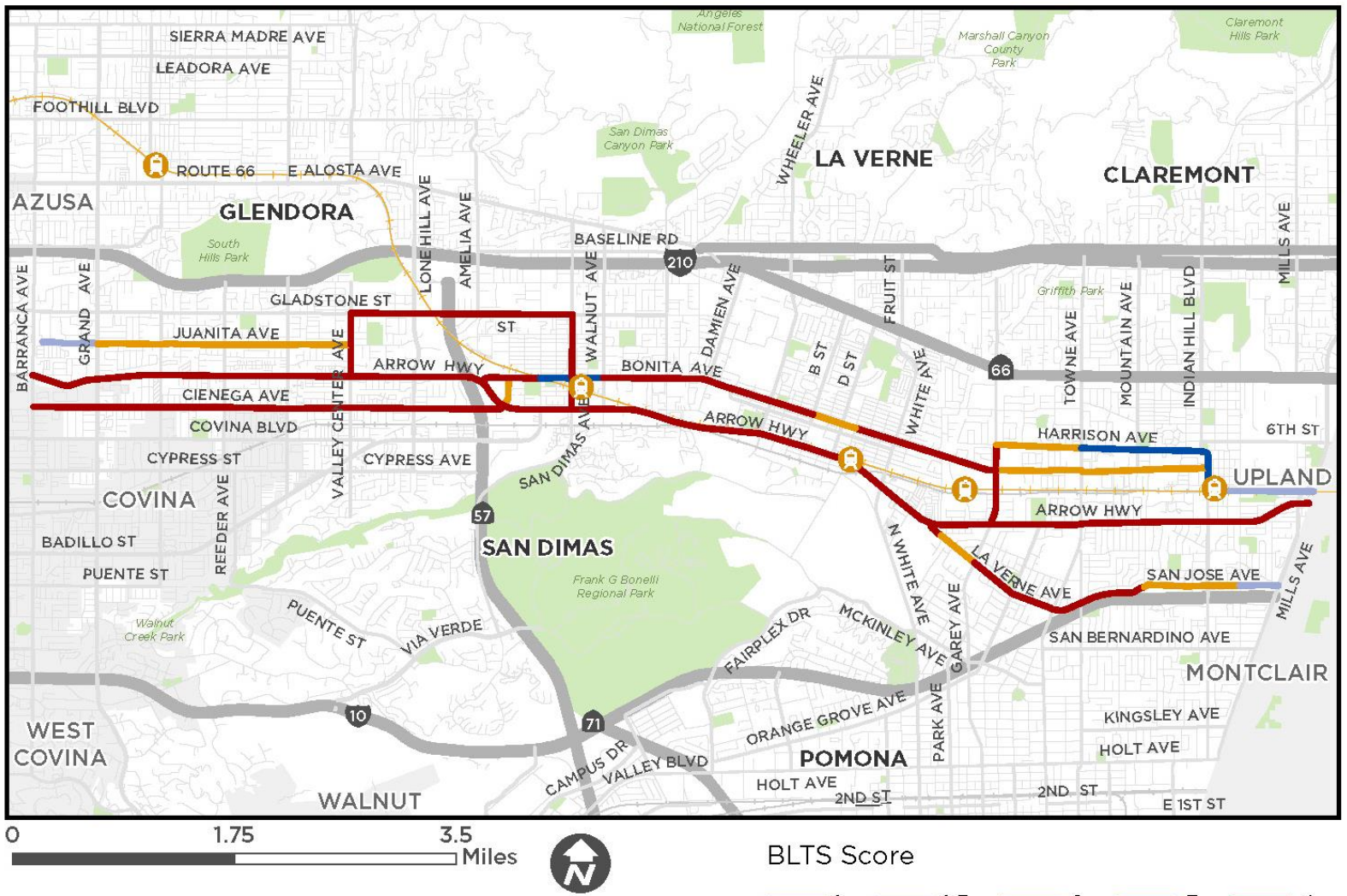
Table 6. Pedestrian and Bicycle Counts along Arrow Highway

Source	Location	Date(s)	Pedestrians	Bicyclists	Scooters
ATD	Arrow Hwy at Cataract Ave	9/2/19-9/7/19	9	5	0
ATD	Arrow Hwy at Glendora Ave	9/9/19-9/14/19	100	15	6
ATD	Arrow Hwy at Kimball Ave	9/16/19-9/21/19	38	24	2
ATD	Arrow Hwy at College Ave	9/23/19-10/12/19	53	17	5
ATD	Arrow Hwy at E St/Fairplex	9/30/19-10/5/19	3	8	0
TMC	Arrow Hwy at Glendora Ave	11/5/19 7:00 – 9:00 am 4:00 – 6:00 pm	 57 48	 9 9	 N/A
TMC	Arrow Hwy at D St	11/5/19 7:00 – 9:00 am 4:00 – 6:00 pm	 15 15	 5 8	 N/A
TMC	Arrow Hwy at Towne Ave	11/5/19 7:00 – 9:00 am 4:00 – 6:00 pm	 75 128	 11 19	 N/A
TMC	Arrow Hwy at College Ave	11/5/19 7:00 – 9:00 am 4:00 – 6:00 pm	 64 42	 14 12	 N/A
TMC	Arrow Hwy at Mountain Ave	11/5/19 7:00 – 9:00 am 4:00 – 6:00 pm	 25 42	 9 9	 N/A

Existing Conditions Analysis



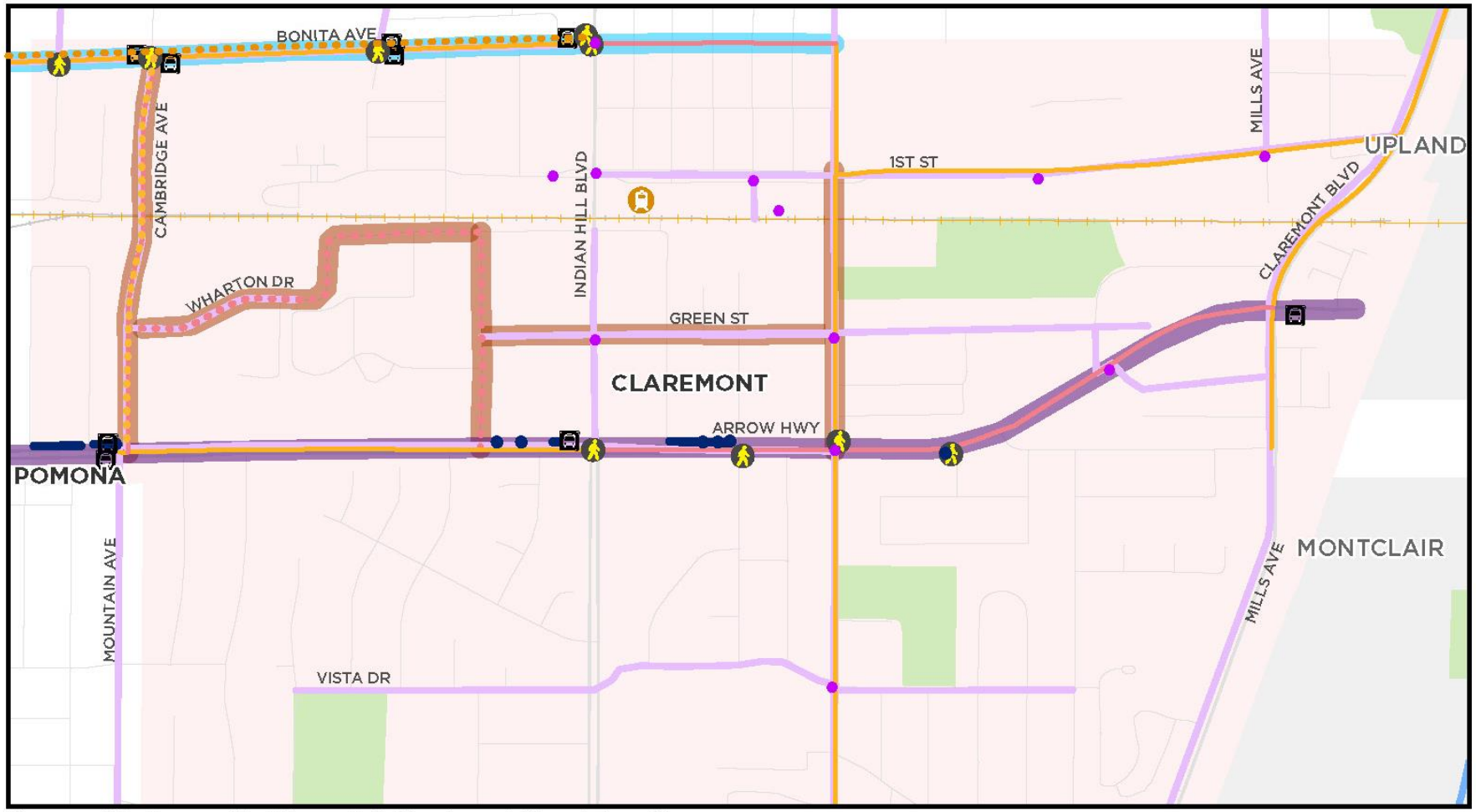
Existing Conditions Analysis



Arrow Highway Multimodal Regional Corridor Plan
Bike Level of Traffic Stress (BLTS)

Infrastructure Recommendations

What We Heard	What We Propose
Conditions do not support safe walking, biking, and rolling	Make it Safe Sidewalks, crosswalks, bikeways, and other new facilities help ensure streets provide safe places for people to walk, bike, and roll.
Streets lack lighting and shade	Make it Comfortable Street lighting, trees, and bus stop shelters will make walking, biking, rolling, and waiting for transit more comfortable. Lighting will also help to improve visibility for all roadway users.
Residents feel car-dependent	Make it Connected and Regional The proposed east-west multimodal routes will connect all five cities to each other and to important destinations within the communities. The proposed multimodal facilities will also connect to regional transportation options.
Residents want Complete Streets	Make it Transformative The long-term transformation of Arrow Highway will encourage active transportation by providing protected bike/roll lanes and improved crossing opportunities throughout the corridor.
Residents want to walk, bike, and roll on their neighborhood streets	Make it Local While the recommendations focus on connecting the five cities, they also provide connections to local destinations and improved facilities for walking, biking, and rolling within local neighborhoods.



Arrow Highway Multimodal Regional Corridor Plan

Recommended Improvements

0 0.2 0.4 Miles

Route Alternatives

- Arrow Highway Route
- Main Street Route
- Neighborhood Route

Existing Bikeways

- Class II Bicycle Lane
- Class III Bicycle Route or Boulevard

Recommended Spot Improvements

- Bikeway Improvement
- Bus Stop Improvement
- Pedestrian Crossing Improvement
- Sidewalk Improvement or Gap Closure
- Traffic Calming

Other Existing Features

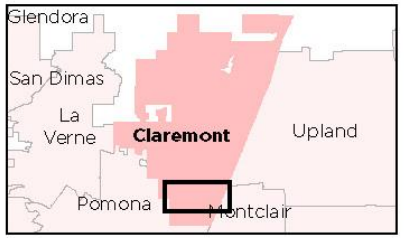
- Waterway
- Metro Gold Line Station

Recommended Bikeway Improvements

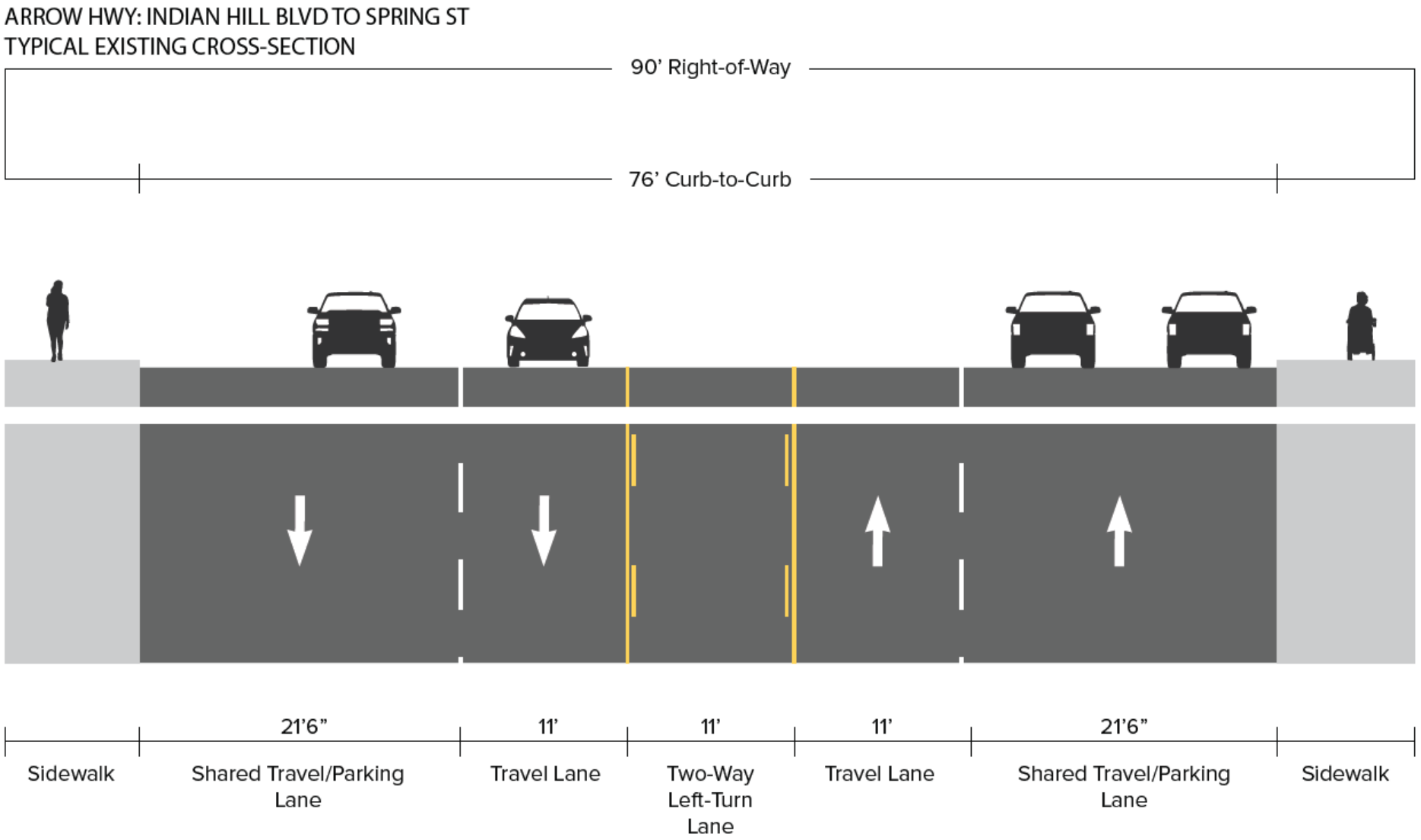
- Class II Bicycle Lane
- Class II Buffered Bike Lane
- Class III Bicycle Route

Other Recommended Improvements

- First/Last Mile Spot Recommendation
- First/Last Mile Linear Recommendation

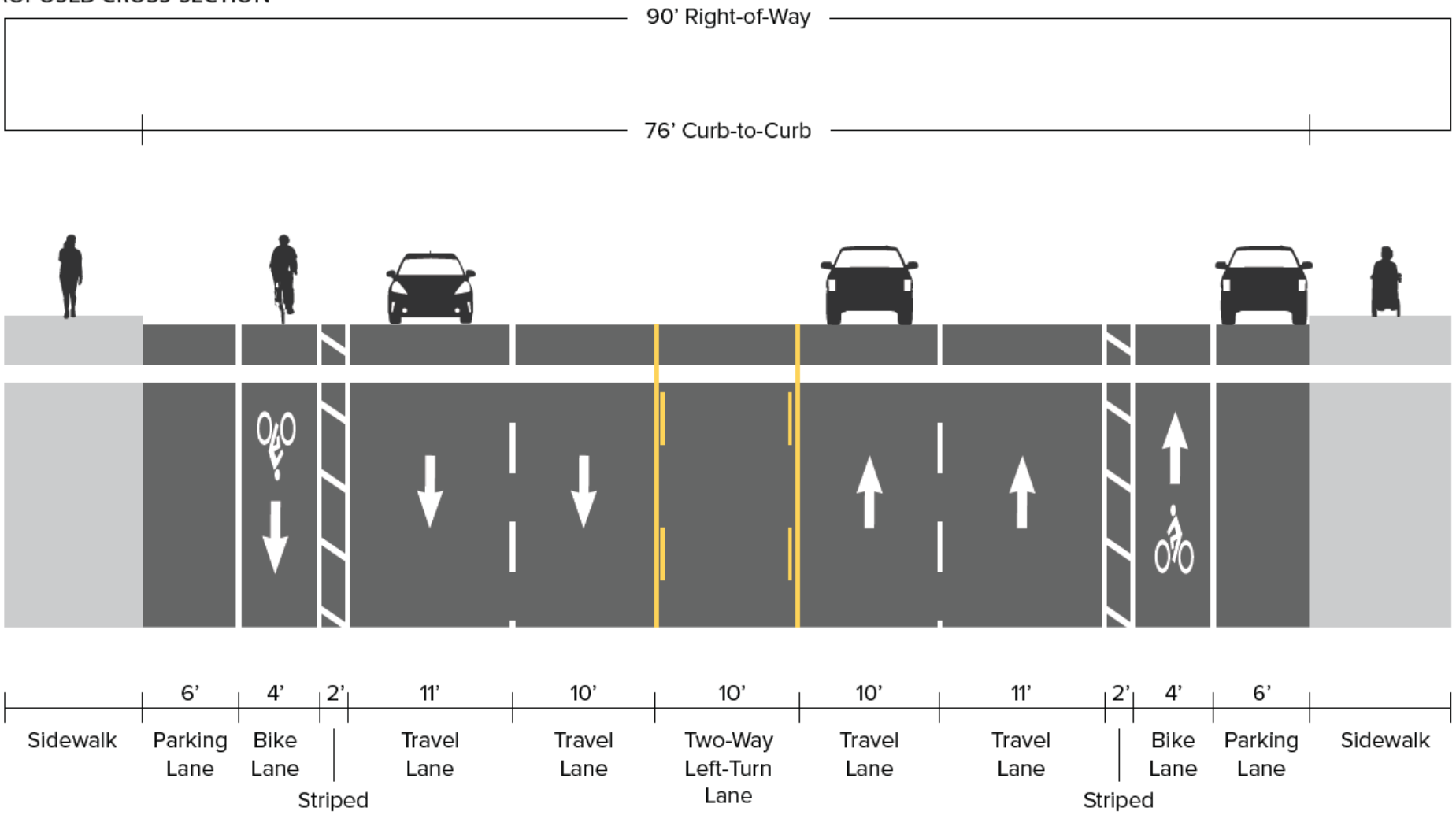


Short-Term Infrastructure Recommendations



Short-Term Infrastructure Recommendations

ARROW HWY: INDIAN HILL BLVD TO SPRING ST
PROPOSED CROSS-SECTION



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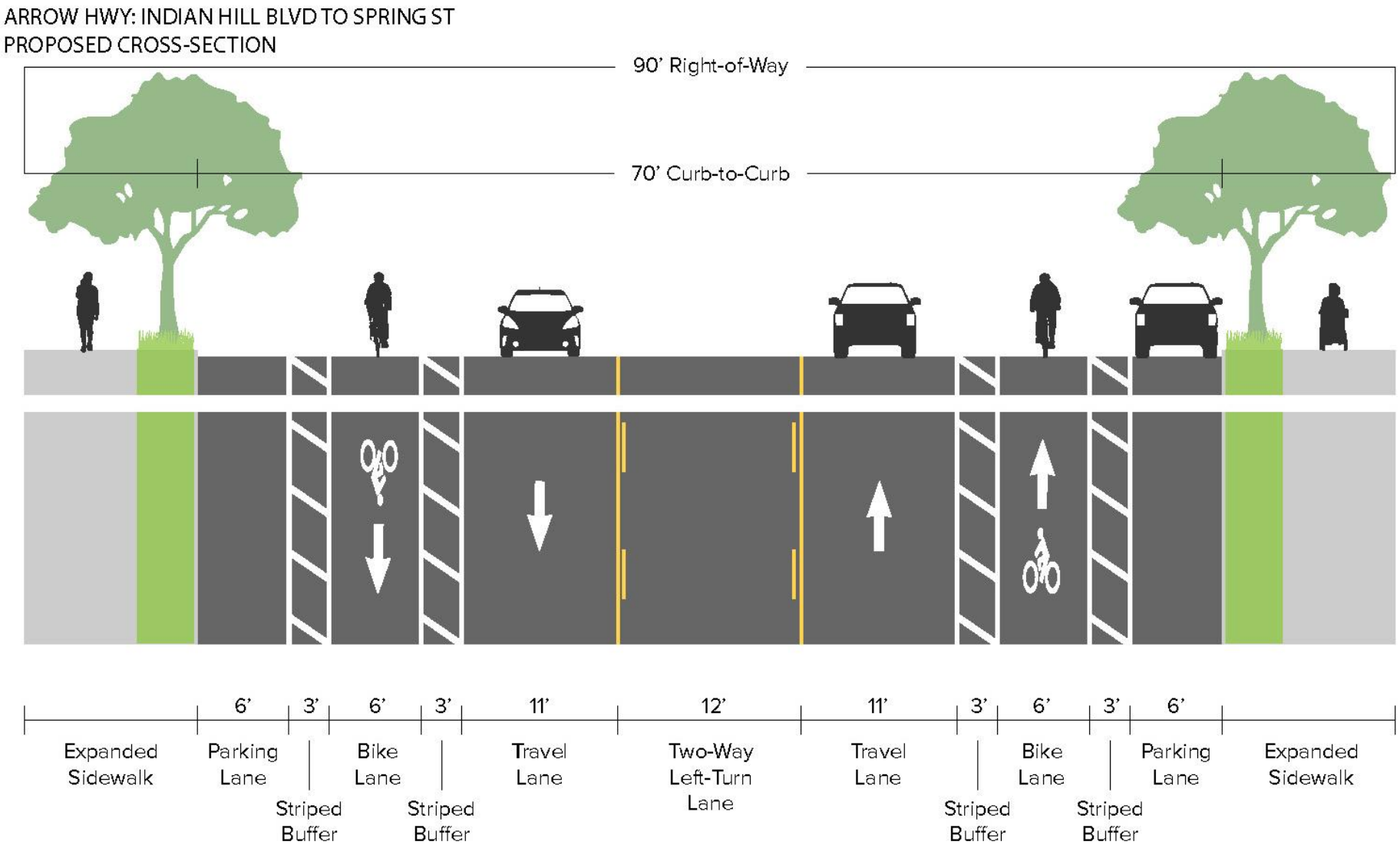

Short-Term Infrastructure Recommendations

Long-Term Vision

Education/Encouragement Programs

PHOTO: ACTIVESGV / ANDY RODRIGUEZ

PHOTO: ACTIVESGV / ERIC JUNG

ESGV / OTTO SAYES

ESGV / ERNEST LEE

Next Steps

- Final Plan document posted at www.eastsgvconnect.com
- Cities apply for implementation grant funds
- Identify opportunities during maintenance/CIP projects
- Continue regional coordination

Questions or comments?

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