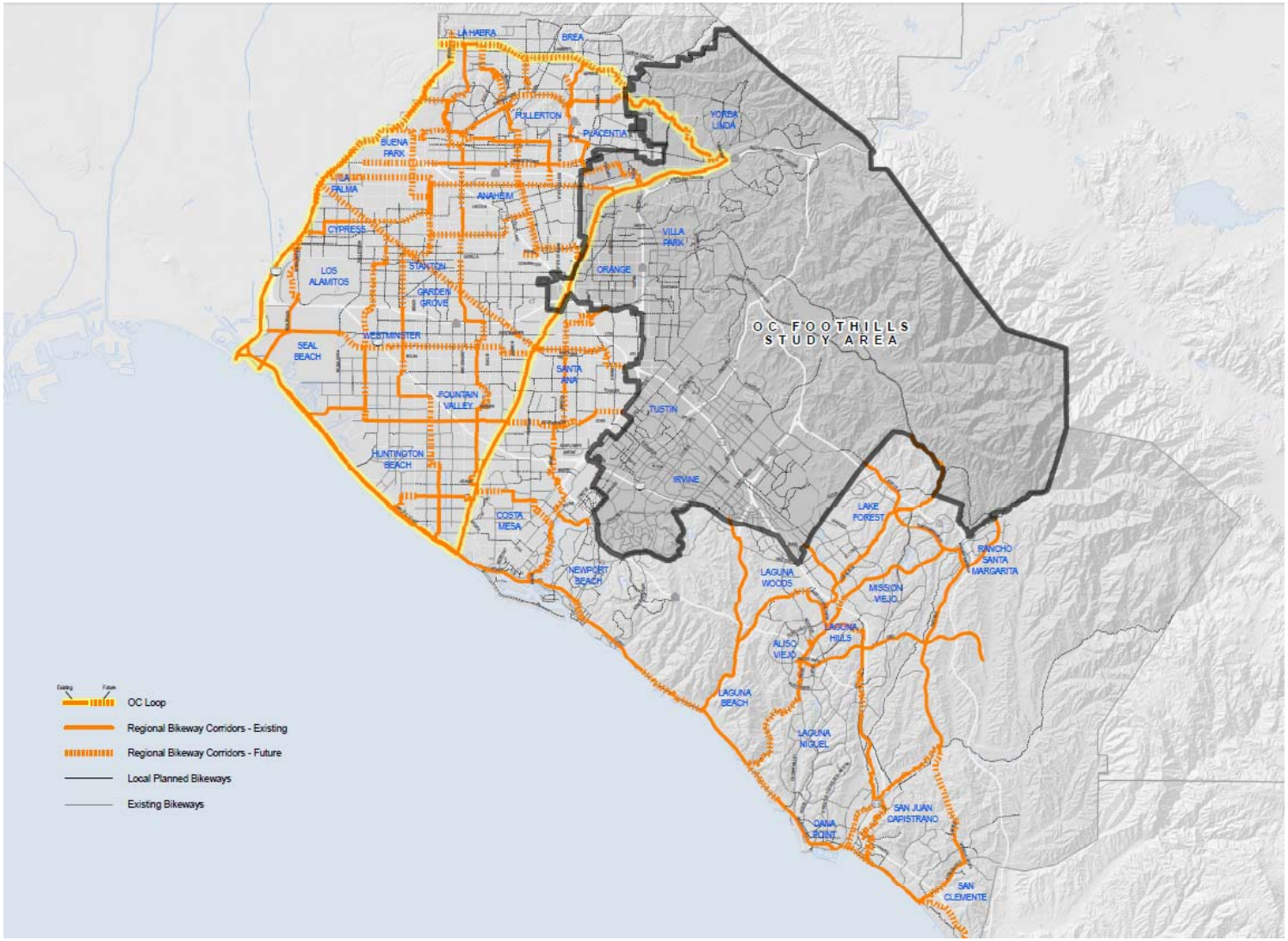
OC FOOTHILLS
BIKEWAYS COLLABORATIVE

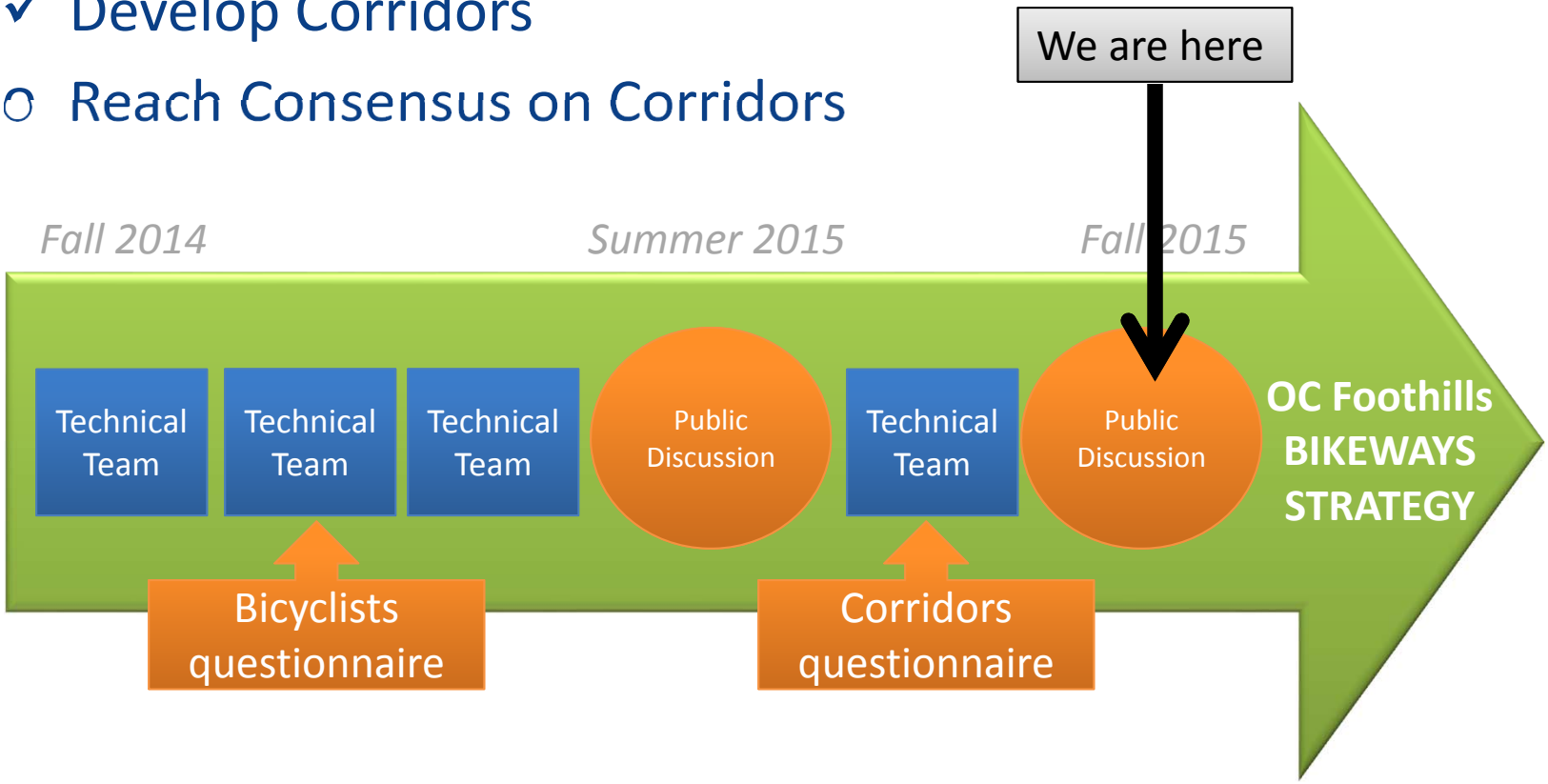
Roundtable Discussion
September 10, 2015

Regional Vision



Study Milestones

- ✓ Goals & Objectives
- ✓ Define Criteria
- ✓ Develop Corridors
- ○ Reach Consensus on Corridors



The Consensus-Building Process

TARGET AUDIENCES

Parents

Schools

Bicycle commuters

Bicycle shops

Bicycle advocates

Walking groups

Multicultural communities

Disadvantaged communities

Community Engagement

Santa Ana River Trail (Anaheim)

What makes bicycling challenging?

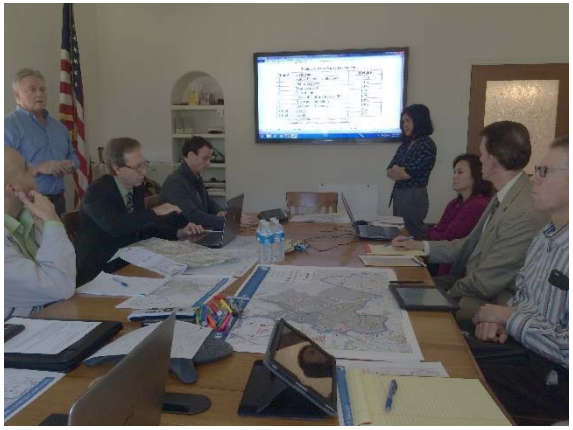
OCTA Bike Rally (Orange)

OC Public Works Open House (Orange)

National Night Out (Irvine)

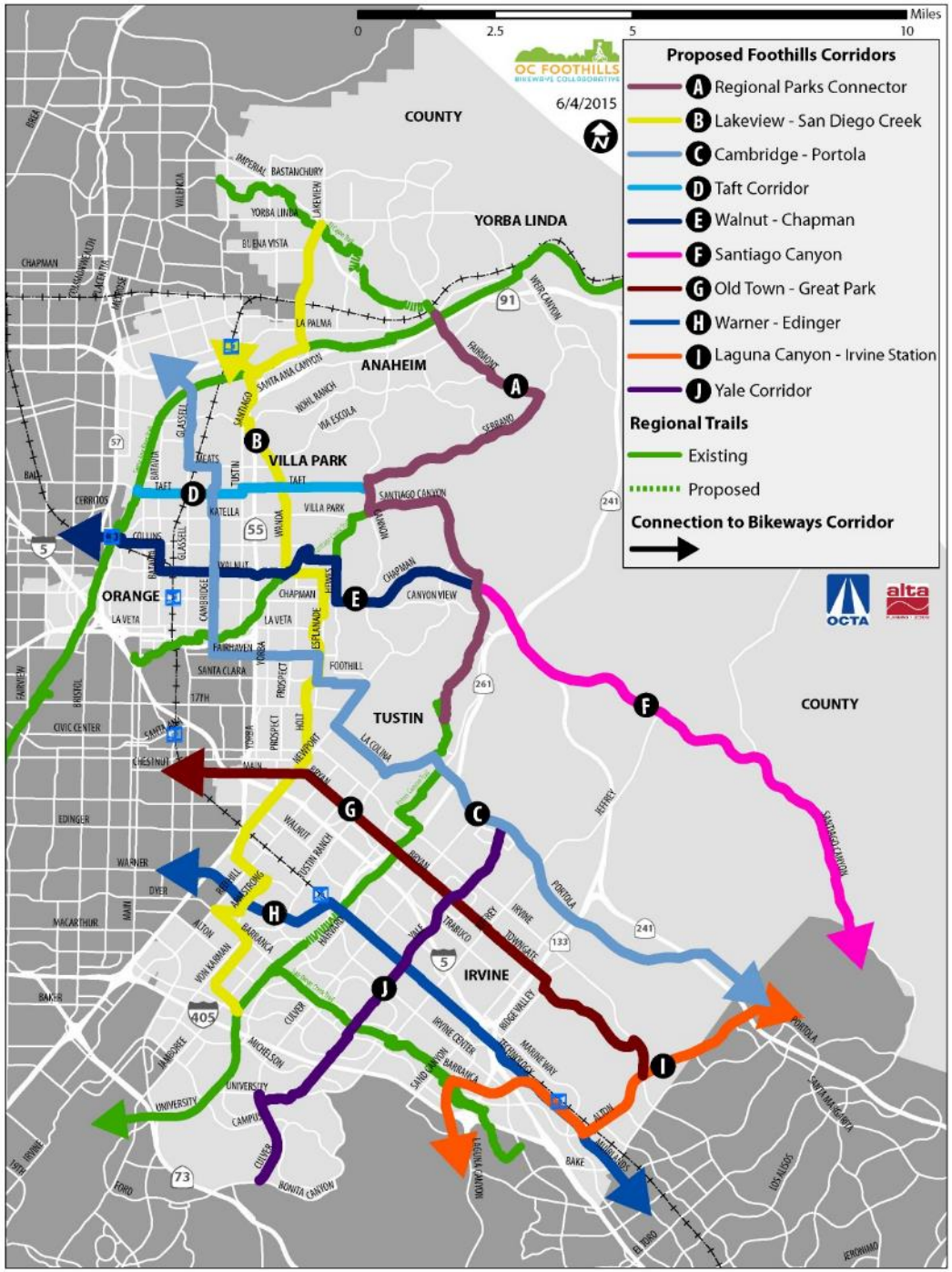
Project Development Team

- City / Agency Planners and Engineers
- Technical perspective
- Potential project sponsors
- 4+ PDT Meetings conducted



DRAFT CORRIDORS

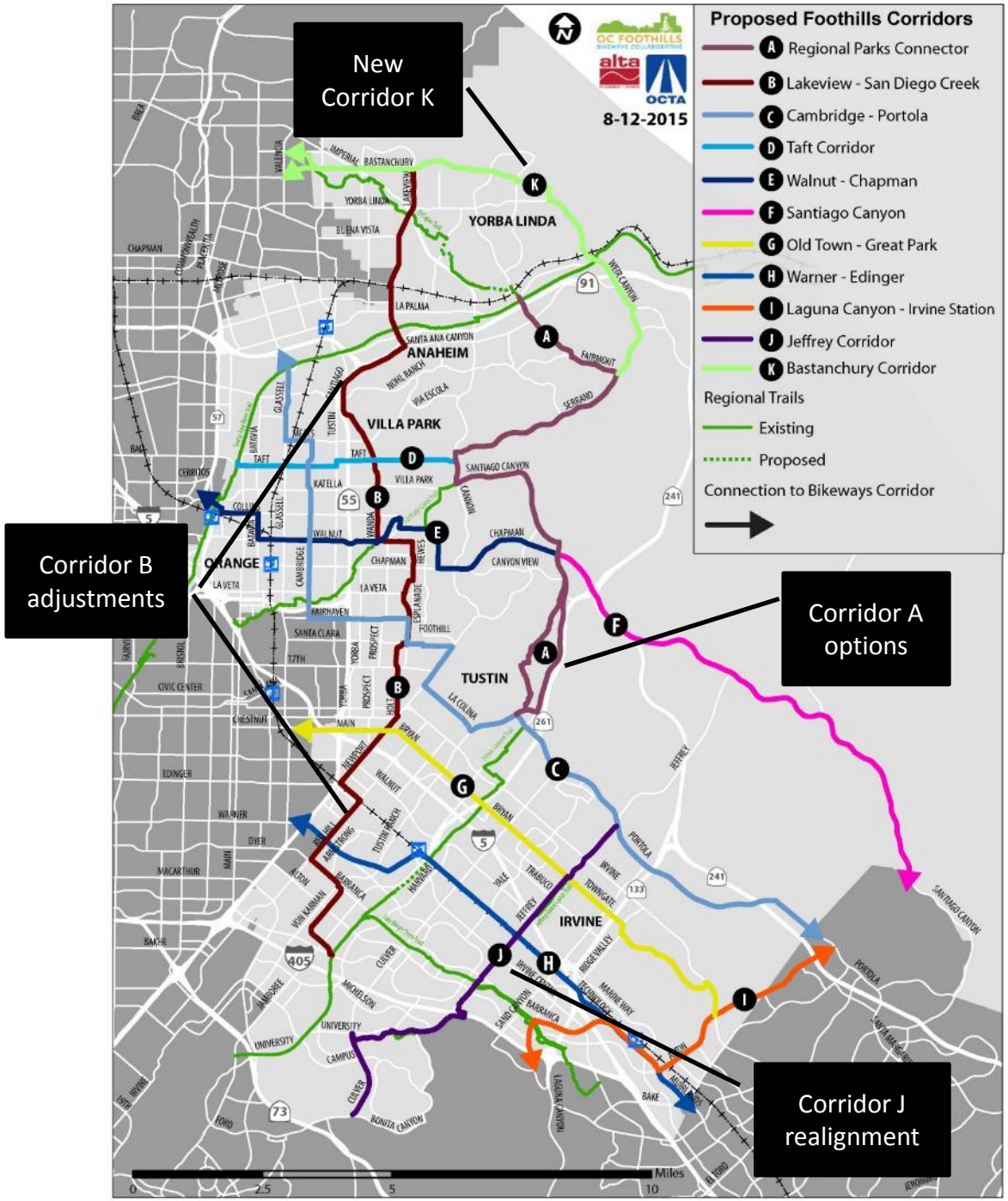
(JUNE 2015)



CORRIDOR REFINEMENTS

(AUGUST 2015)

PROPOSED CORRIDORS
(SEPTEMBER 2015)



Evaluation Criteria Feedback

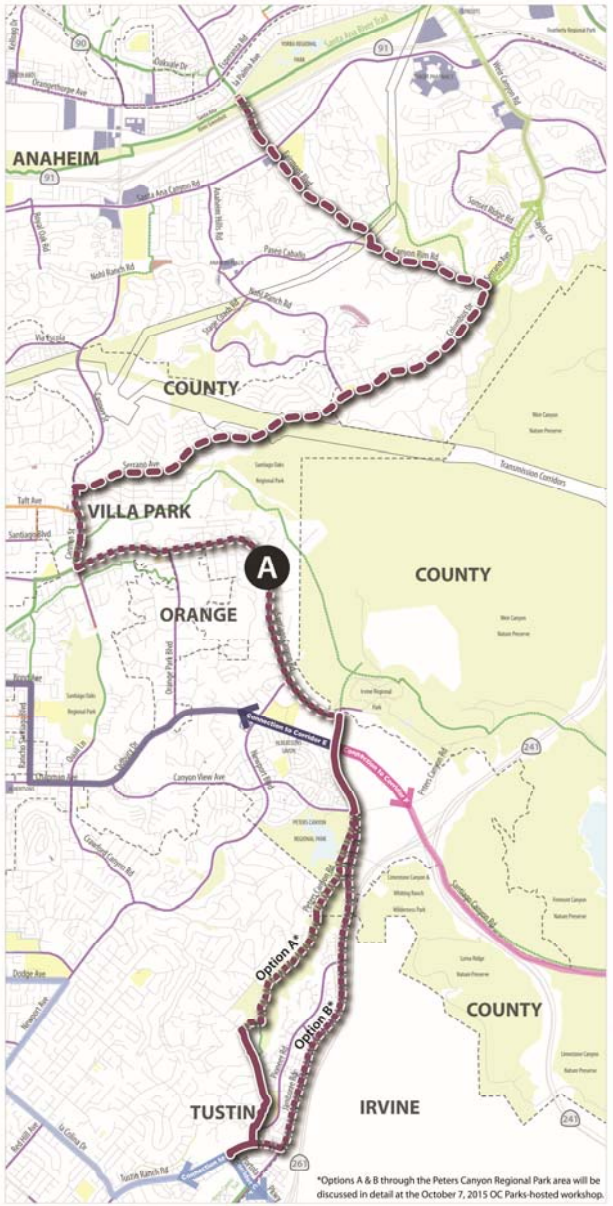
- Safety is key!
  - Strong emphasis on corridors that address higher speed and higher collisions
  - Consideration of parallel facilities

Corridor Criteria

1) Safety Needs
2) Public Support
3) Trip Demand
4) Ease of Implementation
5) Bikeway Completion
6) Cost per Benefit
7) Avoids Steep Hills
8) Disadvantaged Areas

CORRIDOR A: REGIONAL TRAILS CONNECTOR

OC Foothills Bikeways Collaborative



Corridor Details

2.1 miles of existing bikeways

9.3 miles of new bikeways

2.4 miles of new trails

= 13.8 miles of bikeways

- Existing Bikeway
- Proposed Class I Bike Path
- Proposed Class IV
- Proposed Class II Bike Lane with Striped Buffer

Scoring

Lower ..... Higher

Safety Needs	Bikeway Completion
Public Support	Cost per Benefit
Trip Demand	Disadvantaged Areas
Ease of Implementation	Avoids Steep Hills

Key Facts

- $40 million — Project Cost
- 9 — Schools + Universities within 1/4-mile Served
- 11.7 miles — Of Bikeway Improvements
- 116k — People within 1/4-mile Served (approx.)
- 8 — Parks within 1/4-mile Served

Legend

- City Boundary
- Existing / Proposed
- Class I (Regional)
- Class I (Local)
- Class II
- Class III
- Parks
- Schools
- Civic
- Shopping

CORRIDOR B: LAKEVIEW - SAN DIEGO CREEK

OC Foothills Bikeways Collaborative

Corridor Details

6.34 miles of existing bikeways

10.56 miles of new bikeways

2.05 miles of new trails

= 18.95 miles of bikeways

- Existing Bikeway
- Proposed Class I Bike Path
- Proposed Class II Bike Lane
- Proposed Class II Bike Lane with Striped Buffer
- Class III
- Proposed Class IV

Scoring

Lower ..... Higher

- Safety Needs
- Bikeway Completion
- Public Support
- Cost per Benefit
- Trip Demand
- Disadvantaged Areas
- Ease of Implementation
- Avoids Steep Hills

Key Facts

- $27 million Project Cost
- 25 Schools + Universities within 1/4-mile Served
- 12.61 miles Of Bikeway Improvements
- 179k People within 1/4-mile Served (approx.)
- 6 Parks within 1/4-mile Served

Legend

- City Boundary
- Existing / Proposed
- Class I (Regional)
- Class I (Local)
- Class II
- Class III
- Parks
- Schools
- Civic
- Shopping

CORRIDOR C: CAMBRIDGE - PORTOLA

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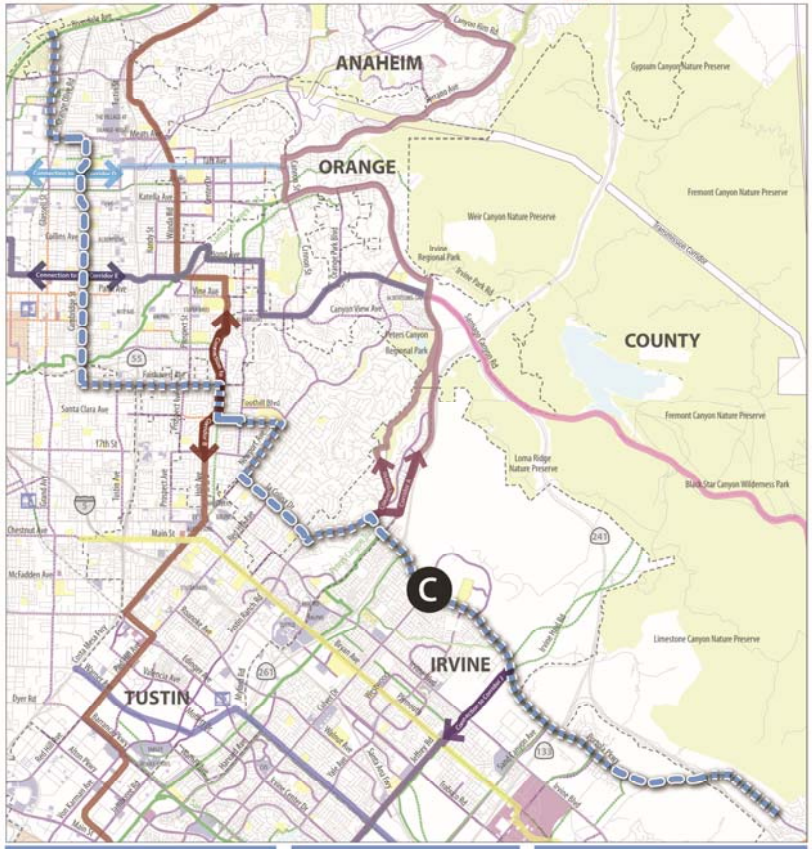


Corridor Details

0.29 miles of existing bikeways

17.53 miles of new bikeways

1.77 miles of new trails

= 19.6 miles of bikeways

- Existing Bikeway
- Proposed Class I Bike Path
- Proposed Class II Bike Lane with Striped Buffer
- Proposed Class IV

Key Facts

- $11.4 million — Project Cost
- 26 — Schools + Universities within 1/4-mile Served
- 19.3 miles — Of Bikeway Improvements
- 152k — People within 1/4-mile Served (approx.)
- 5 — Parks within 1/4-mile Served

Legend

- City Boundary
- Existing / Proposed
- Class I (Regional)
- Class I (Local)
- Class II
- Class III
- Parks
- Schools
- Civic
- Shopping

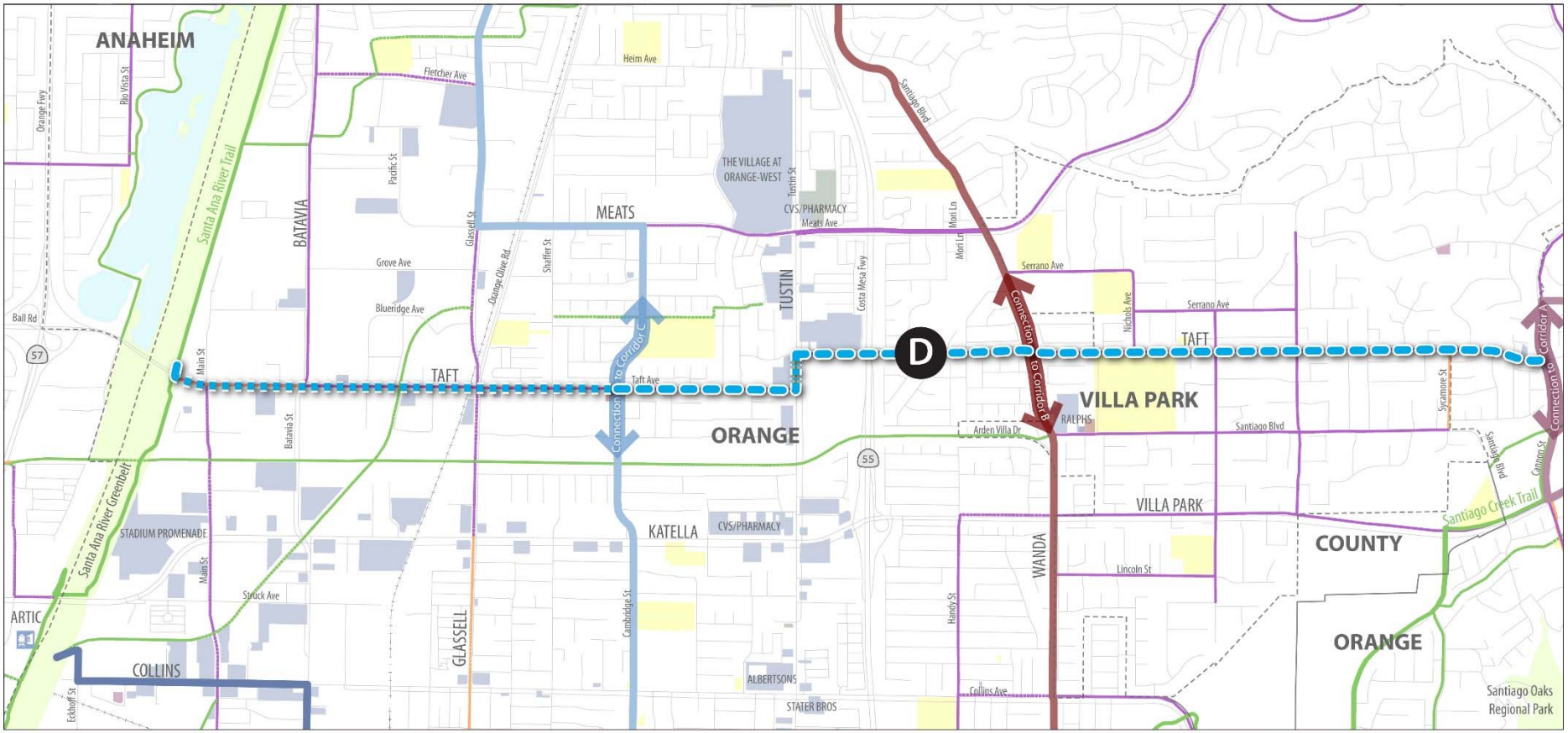
Scoring

Lower ..... Higher

- Safety Needs
- Bikeway Completion
- Public Support
- Cost per Benefit
- Trip Demand
- Disadvantaged Areas
- Ease of Implementation
- Avoids Steep Hills

CORRIDOR D: TAFT CORRIDOR

OC Foothills Bikeways Collaborative



Corridor Details

0 miles of existing bikeways

4.24 miles of new bikeways

0.14 miles of new trails

- Existing Bikeway
- Class I Bike Path
- Proposed Class II Bike Lane with Striped Buffer
- Proposed Class IV

= 4.38 miles of bikeways

Key Facts

- **2** Parks within 1/4-mile Served
- **6** Schools + Universities within 1/4-mile Served
- **$2.2 million** Project Cost
- **52k** People within 1/4-mile Served (approx.)
- **4.38 miles** Of Bikeway Improvements

Scoring

Lower ..... Higher

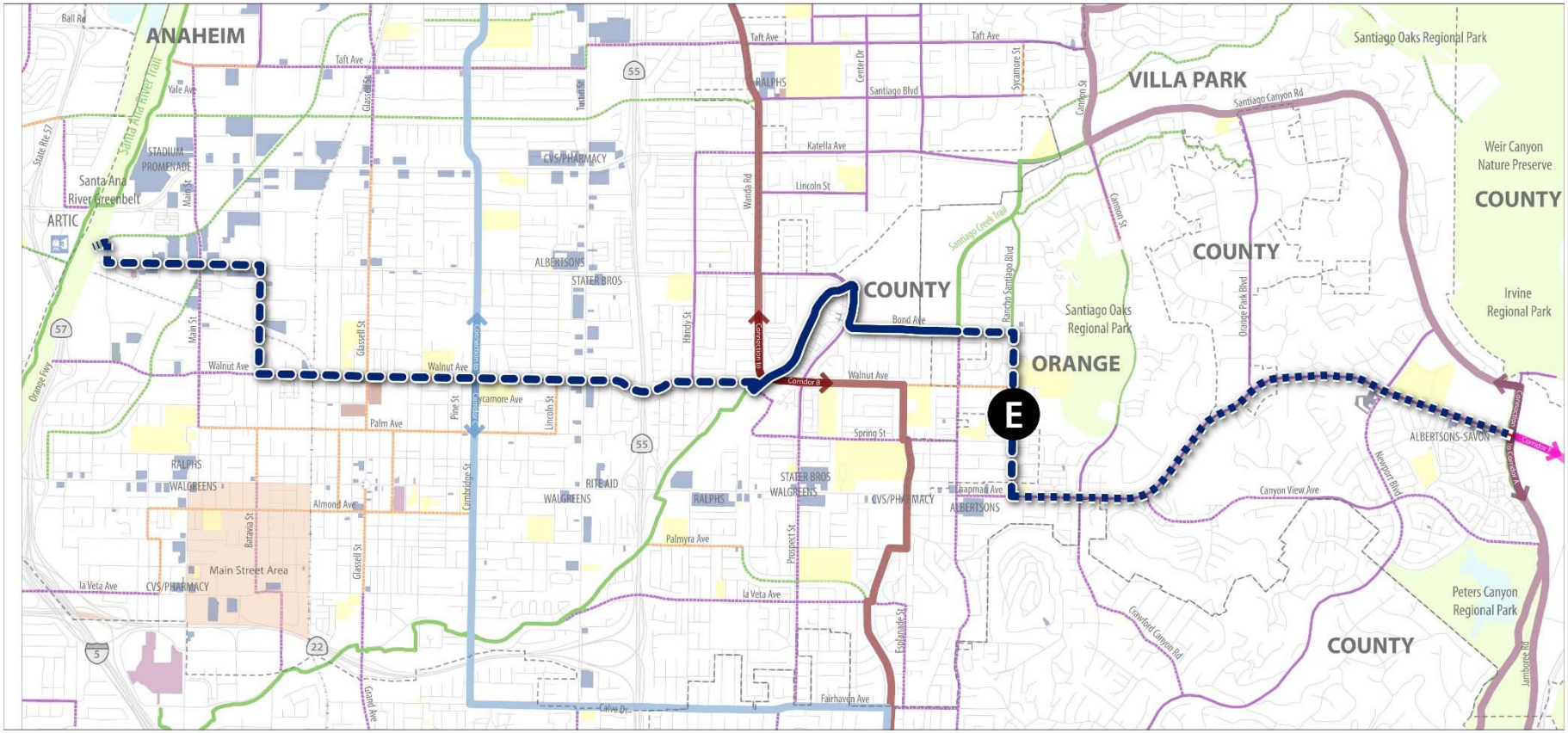
- Safety Needs
- Bikeway Completion
- Public Support
- Cost per Benefit
- Trip Demand
- Disadvantaged Areas
- Ease of Implementation
- Avoids Steep Hills

Legend

- City Boundary
- Existing / Proposed
- Class I (Regional)
- Class I (Local)
- Class II
- Class III
- Parks
- Schools
- Civic
- Shopping

CORRIDOR E: WALNUT - CHAPMAN

OC Foothills Bikeways Collaborative



Corridor Details

1.47 miles of existing bikeways

7.21 miles of new bikeways

0.1 miles of new trails

= 8.78 miles of bikeways

- Existing Bikeway
- Proposed Class I Bike Path
- Proposed Class II Bike Lane with Striped Buffer
- Proposed Class IV

Key Facts

- 4 Parks within 1/4-mile Served
- 10 Schools + Universities within 1/4-mile Served
- $3.7 million Project Cost
- 107k People within 1/4-mile Served (approx.)
- 7.31 miles Of Bikeway Improvements

Scoring

Lower ..... Higher

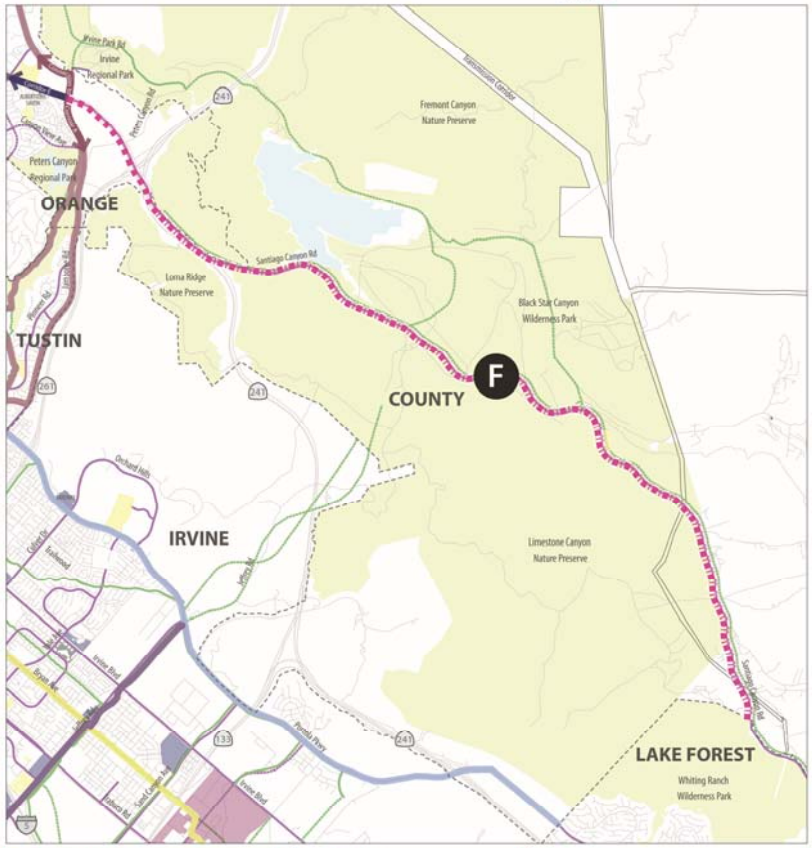
- Safety Needs
- Bikeway Completion
- Public Support
- Cost per Benefit
- Trip Demand
- Disadvantaged Areas
- Ease of Implementation
- Avoids Steep Hills

Legend

- City Boundary
- Existing / Proposed
- Class I (Regional)
- Class I (Local)
- Class II
- Class III
- Parks
- Schools
- Civic
- Shopping

CORRIDOR F: SANTIAGO CANYON

OC Foothills Bikeways Collaborative



Corridor Details

0 miles of existing bikeways

1.54 miles of new bikeways

8.73 miles of new trails

= 10.3 miles of bikeways

- Existing Bikeway
- Proposed Class I Bike Path
- Proposed Class IV

Key Facts

$15.9 million
Project Cost

1
Schools + Universities within 1/4-mile Served

10.3 miles
Of Bikeway Improvements

55k
People within 1/4-mile Served (approx.)

7
Parks within 1/4-mile Served

Legend

- City Boundary
- Existing / Proposed
- Class I (Regional)
- Class I (Local)
- Class II
- Class III
- Parks
- Schools
- Civic
- Shopping

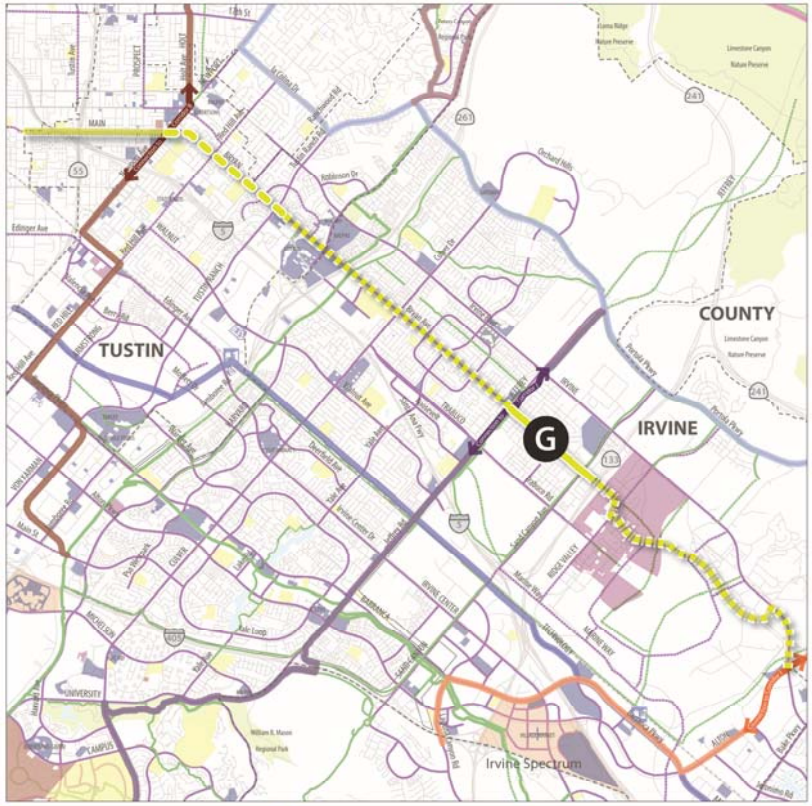
Scoring

Lower ..... Higher

- Safety Needs
- Bikeway Completion
- Public Support
- Cost per Benefit
- Trip Demand
- Disadvantaged Areas
- Ease of Implementation
- Avoids Steep Hills

CORRIDOR G: OLD TOWN - GREAT PARK

OC Foothills Bikeways Collaborative



Corridor Details

- 1.09 miles of existing bikeways
- 5.28 miles of new bikeways
- 2.68 miles of new trails
- 1.48 miles of bike routes

= 9.1 miles of bikeways

- Existing Bikeway
- Proposed Class II Bike Lane with Striped Buffer
- Proposed Class III
- Proposed Class IV

Key Facts

- $21.2 million — Project Cost
- 12 — Schools + Universities within 1/4-mile Served
- 7.96 miles — Of Bikeway Improvements
- 93k — People within 1/4-mile Served (approx.)
- 11 — Parks within 1/4-mile Served

Legend

- City Boundary
- Existing / Proposed
- Class I (Regional)
- Class I (Local)
- Class II
- Class III
- Parks
- Schools
- Civic
- Shopping

Scoring

Lower ..... Higher

- Safety Needs
- Bikeway Completion
- Public Support
- Cost per Benefit
- Trip Demand
- Disadvantaged Areas
- Ease of Implementation
- Avoids Steep Hills

CORRIDOR H: WARNER - EDINGER

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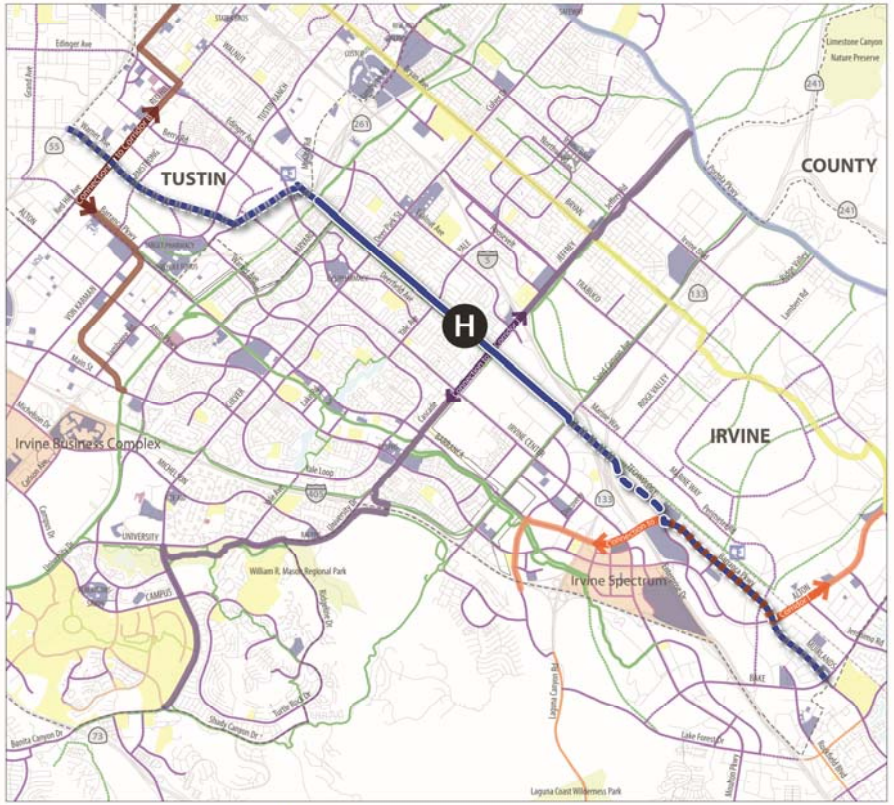


Corridor Details

- 3.22 miles of existing bikeways
- 3.53 miles of new bikeways
- 2.98 miles of new trails

= 9.73 miles of bikeways

- Existing Bikeway
- Proposed Class I Bike Path
- Proposed Class II Bike Lane with Striped Buffer
- Proposed Class IV

Key Facts

- $6.2 million — Project Cost
- 3 — Schools + Universities within 1/4-mile Served
- 6.51 miles — Of Bikeway Improvements
- 89k — People within 1/4-mile Served (approx.)
- 8 — Parks within 1/4-mile Served

Legend

Existing	Proposed	
		City Boundary
		Class I (Regional)
		Class I (Local)
		Class II
		Class III
Parks		Schools
Civic		Shopping

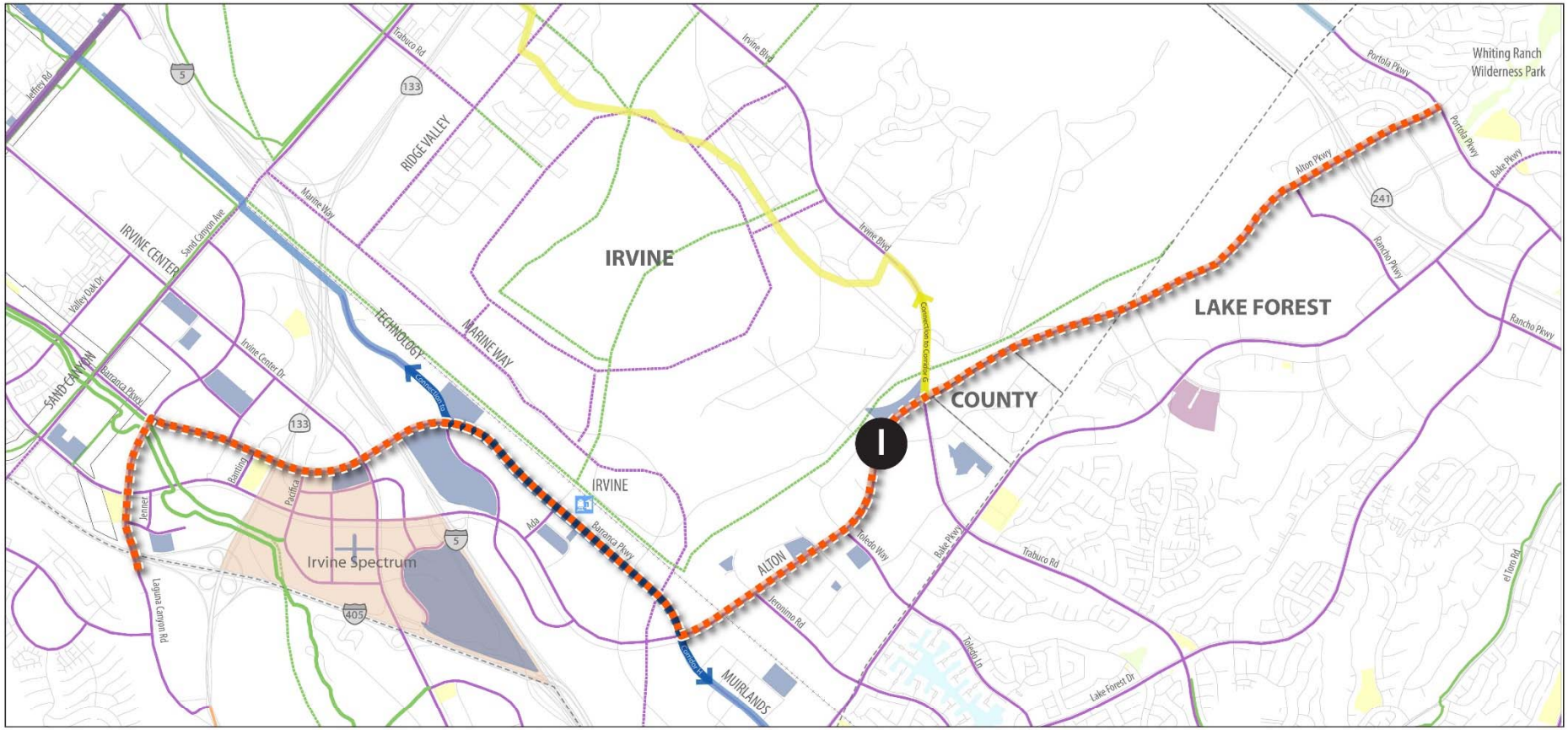
Scoring

Lower ..... Higher

- Safety Needs
- Bikeway Completion
- Public Support
- Cost per Benefit
- Trip Demand
- Disadvantaged Areas
- Ease of Implementation
- Avoids Steep Hills

CORRIDOR I: LAGUNA CANYON - IRVINE STATION

OC Foothills Bikeways Collaborative



Corridor Details

0 miles of existing bikeways

7.9 miles of new bikeways

0 miles of new trails

Existing Bikeway

Proposed Class IV

= 7.9 miles of bikeways

Key Facts

3 Parks within 1/4-mile Served

2 Schools + Universities within 1/4-mile Served

$13.9 million Project Cost

26k People within 1/4-mile Served (approx.)

7.9 miles Of Bikeway Improvements

Scoring

Lower ..... Higher

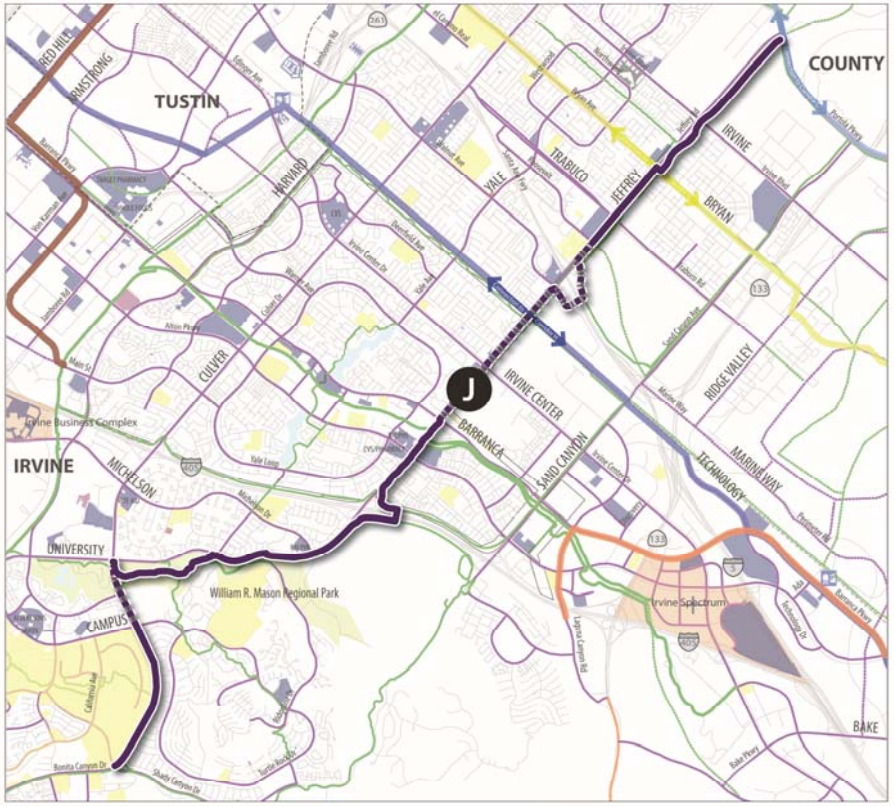
- Safety Needs
- Bikeway Completion
- Public Support
- Cost per Benefit
- Trip Demand
- Disadvantaged Areas
- Ease of Implementation
- Avoids Steep Hills

Legend

- City Boundary
- Existing / Proposed
- Class I (Regional)
- Class I (Local)
- Class II
- Class III
- Parks
- Schools
- Civic
- Shopping

CORRIDOR J: JEFFREY CORRIDOR

OC Foothills Bikeways Collaborative



Corridor Details

- 6.84 miles of existing bikeways
- 0.33 miles of new bikeways
- 2 miles of new trails
- **= 9.17 miles of bikeways**

- Existing Bikeway
- Proposed Class I Bike Path
- Proposed Class IV

Key Facts

- $14.6 million — Project Cost
- 11 — Schools + Universities within 1/4-mile Served
- 2.33 miles — Of Bikeway Improvements
- 194k — People within 1/4-mile Served (approx.)
- 12 — Parks within 1/4-mile Served

Legend

- City Boundary
- Existing / Proposed
- Class I (Regional)
- Class I (Local)
- Class II
- Class III
- Parks
- Schools
- Civic
- Shopping

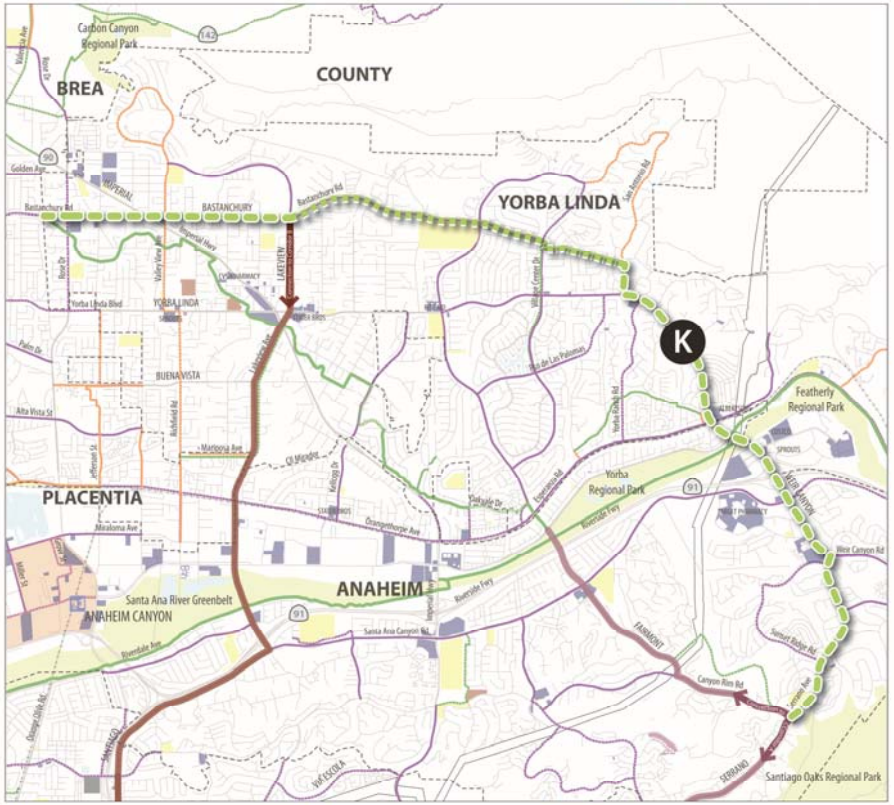
Scoring

Lower ..... Higher

- Safety Needs
- Bikeway Completion
- Public Support
- Cost per Benefit
- Trip Demand
- Disadvantaged Areas
- Ease of Implementation
- Avoids Steep Hills

CORRIDOR K: BASTANCHURY CORRIDOR

OC Foothills Bikeways Collaborative



Corridor Details

04.59 miles of existing bikeways

8.47 miles of new bikeways

0.69 miles of new trails

= 9.16 miles of bikeways

- Existing Bikeway
- Proposed Class I Bike Path
- Proposed Class II Bike Lane with Striped Buffer
- Proposed Class IV

Key Facts

$33.4 million Project Cost

8 Schools + Universities within 1/4-mile Served

9.16 miles Of Bikeway Improvements

95k People within 1/4-mile Served (approx.)

8 Parks within 1/4-mile Served

Legend

City Boundary

Existing	Proposed
	Class I (Regional)
	Class I (Local)
	Class II
	Class III

Parks · Schools · Civic · Shopping

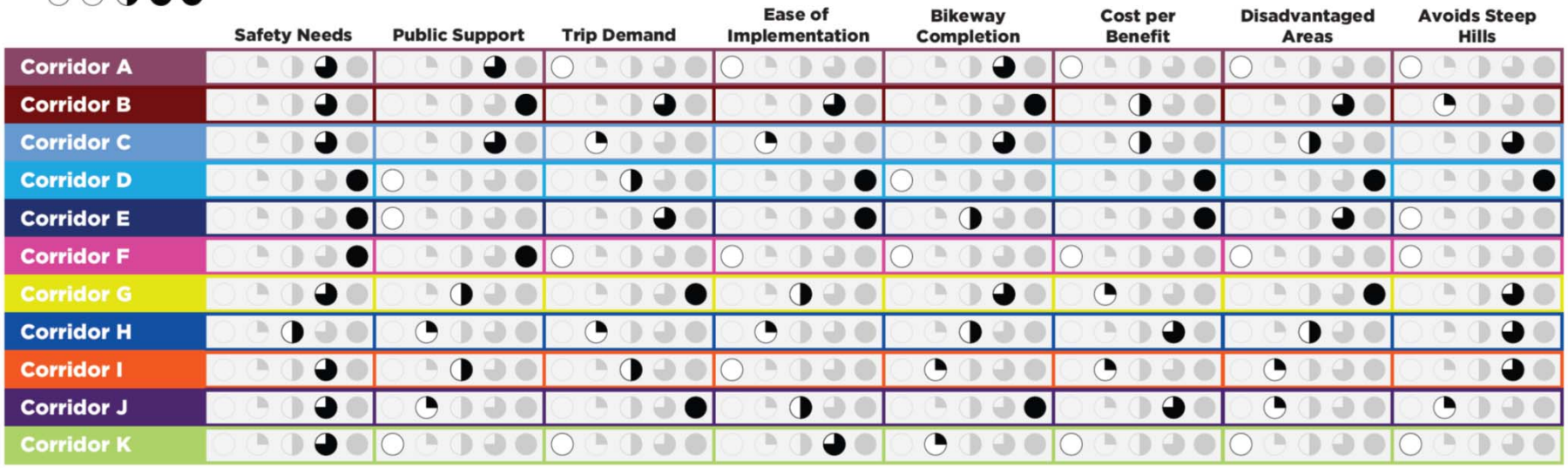
Scoring

Lower ..... Higher

Safety Needs · Bikeway Completion · Public Support · Cost per Benefit · Trip Demand · Disadvantaged Areas · Ease of Implementation · Avoids Steep Hills

Overall Corridor Criteria

Lower . . . . . Higher



	Safety Needs	Public Support	Trip Demand	Ease of Implementation	Bikeway Completion	Cost per Benefit	Disadvantaged Areas	Avoids Steep Hills
●	D, E, F	B, F	G, J	D, E	B, J	D, E	D, G	D
◕	A, B, C, G, I, J, K	A, C	B, E	B, K	A, C, G	H, J	B, E	C, G, H, I
◑	H	G, I	D, I	G, J	E, H	B, C	C, H	
◔		H, J	C, H	C, H	I, K	G, I	I, J	B, J
○		D, E, K	A, F, K	A, F, I	D, F	A, F, K	A, F, K	A, E, F, K

Discussion

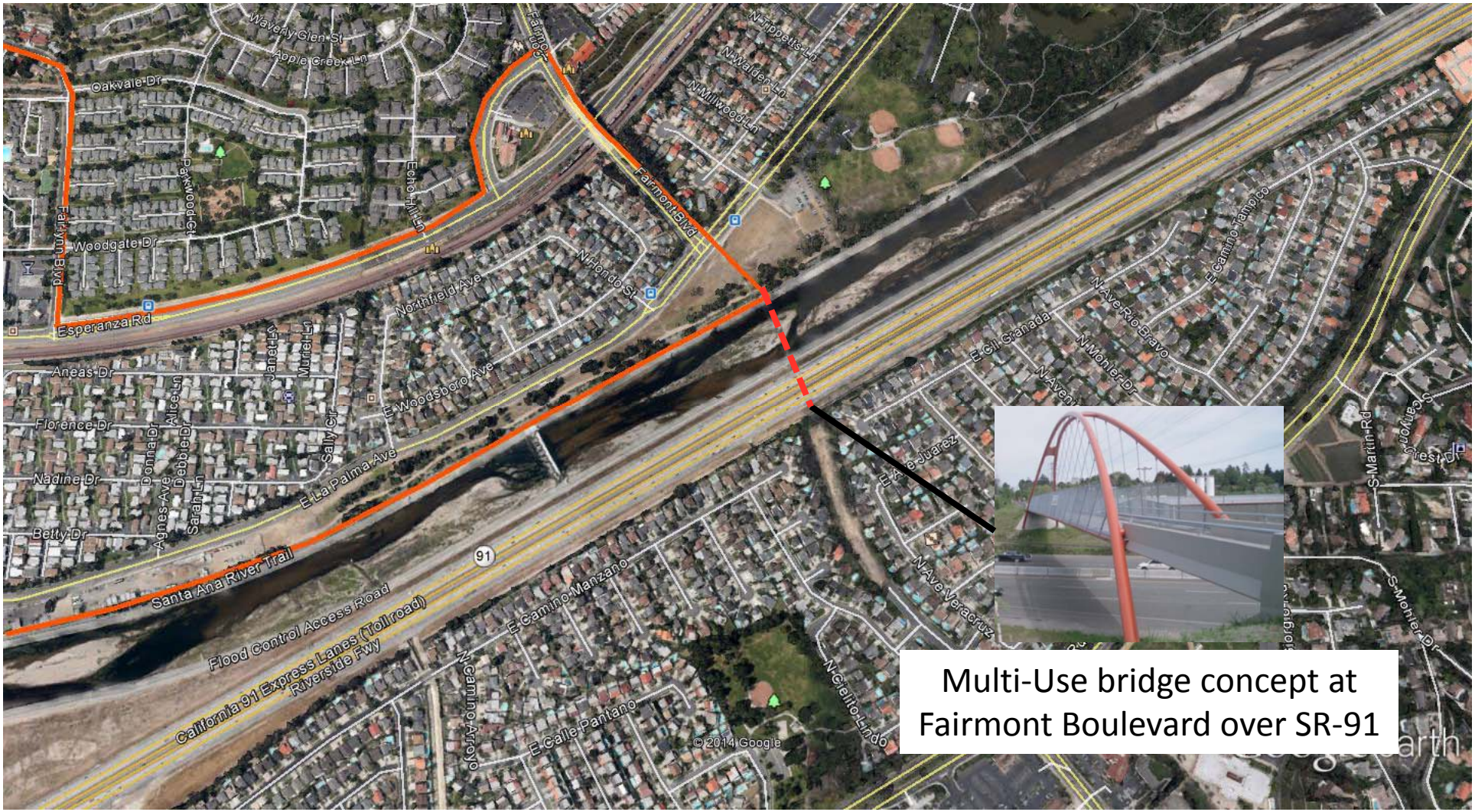
Next Steps

- Finalize OC Foothills Bikeways Strategy
  - Present to OCTA Board December 2015
- Support regional bikeway implementation!

Potential Early Action Projects

- "Early Actions" may include:
  - more detailed evaluation
  - neighborhood outreach
  - grant pursuit
  - final design

Corridor A – Fairmont Bridge



Multi-Use bridge concept at Fairmont Boulevard over SR-91

Corridor F: Santiago Canyon

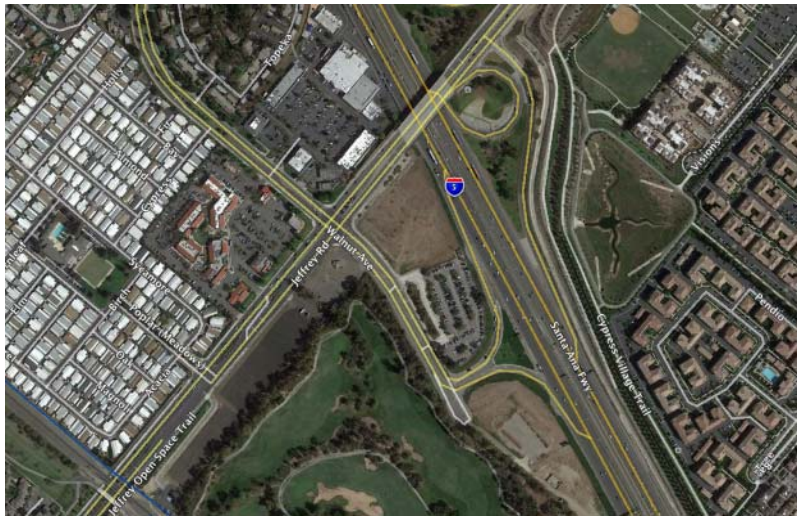
Corridor Safety Enhancements

Corridor G – Main Street

Complete Streets

Roadway reallocation

Corridor J – JOST Bridge



Missing link: Jeffrey Open Space Trail connection to Cypress Village Trail at I-5

Jeffrey Open Space Trail with existing bridge over I-405

www.octa.net/bikeways