

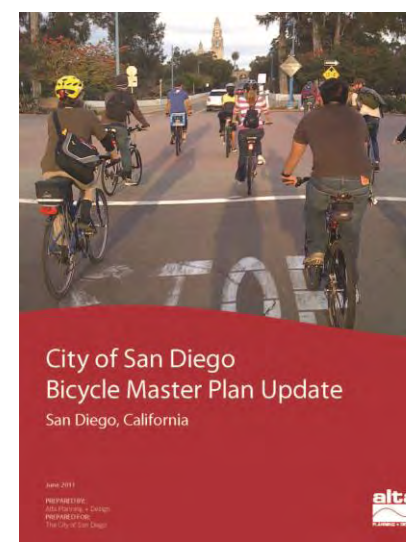
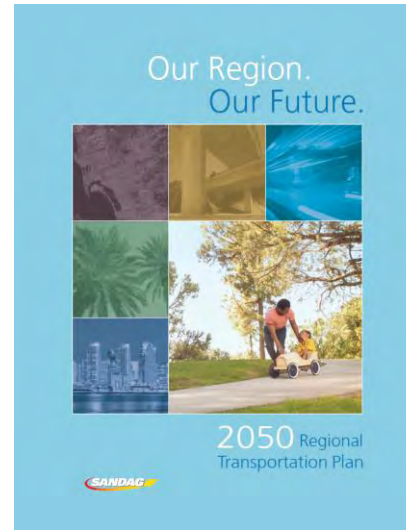
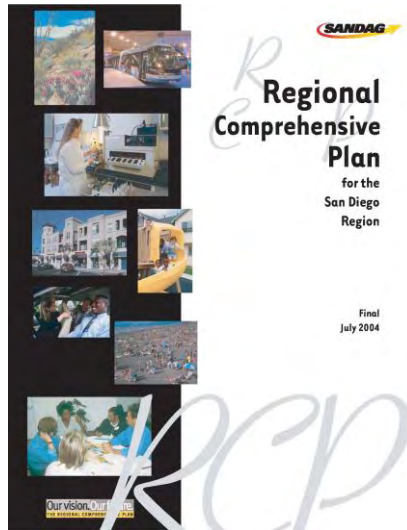
UPTOWN REGIONAL BIKE CORRIDORS

COMMUNITY ADVISORY GROUP
ALTERNATIVES ANALYSIS
JUNE 12, 2013

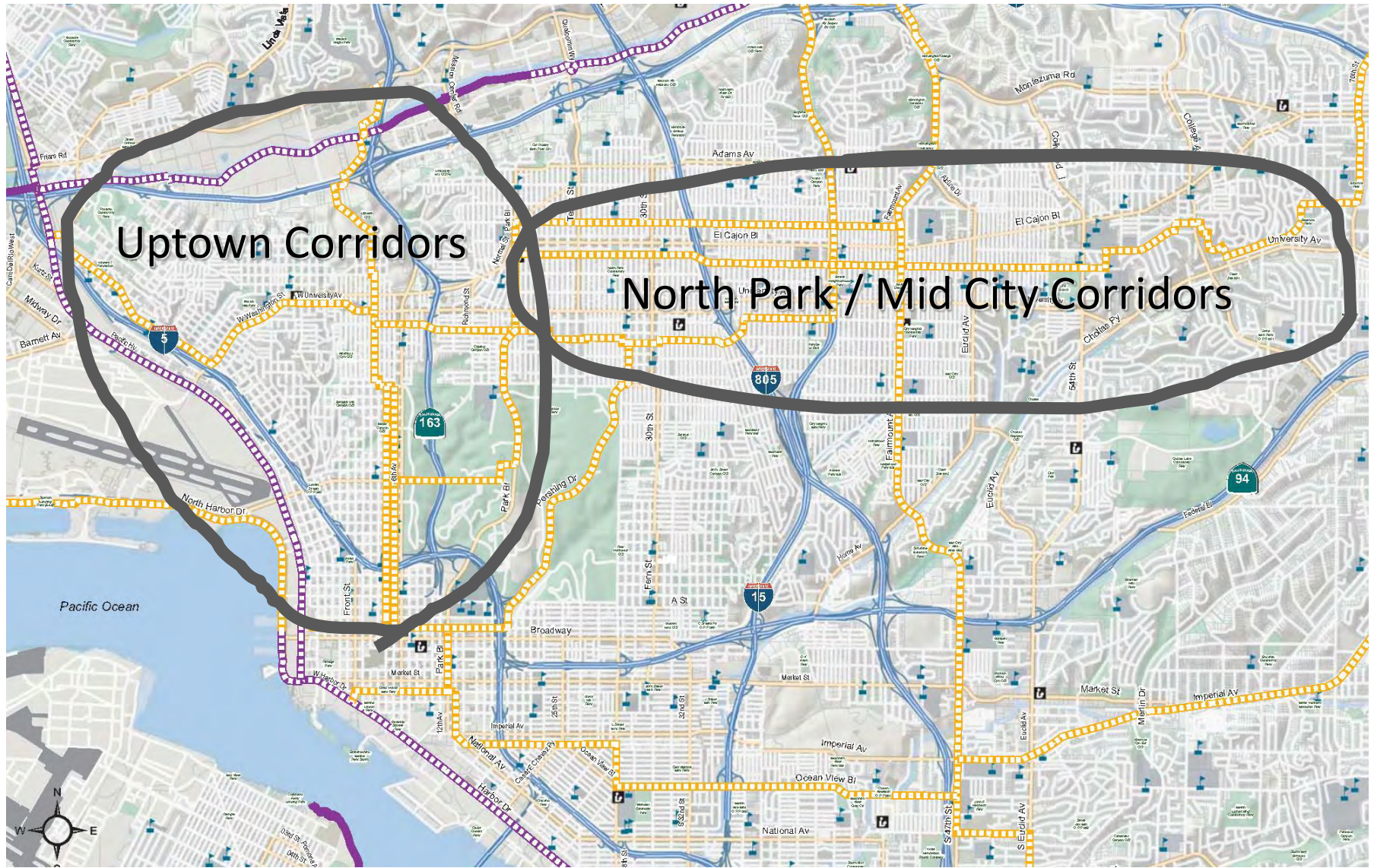
WELCOME

- I. Project Overview
- II. Alternatives Analysis Process & Outcomes
- III. Representative Cross Sections
- IV. Breakout Groups – Benefits & Challenges of Options
- V. Group Reports & Discussion
- VI. Next Meeting – Final Analysis Outcomes

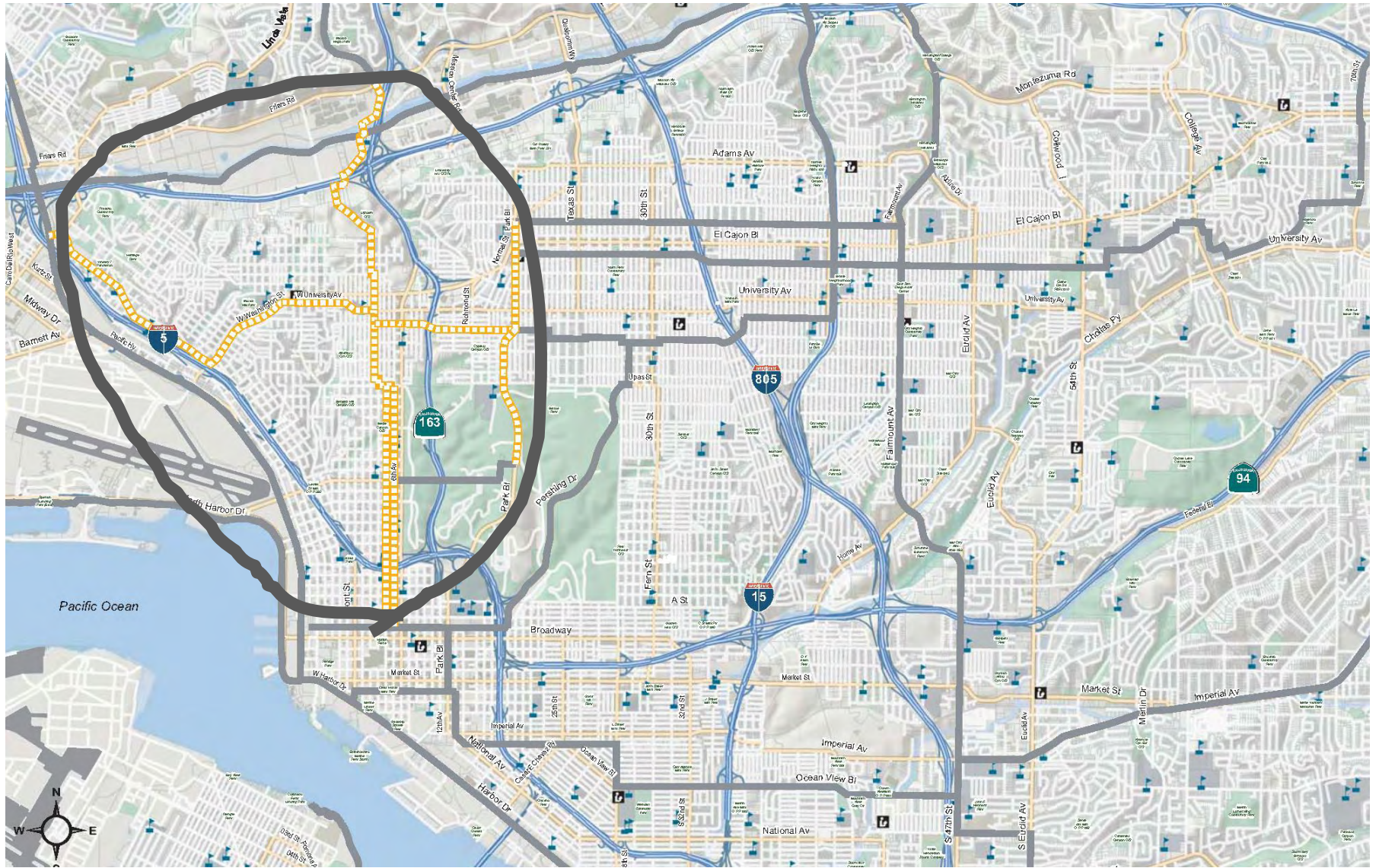
Regional Planning Background & Coordination



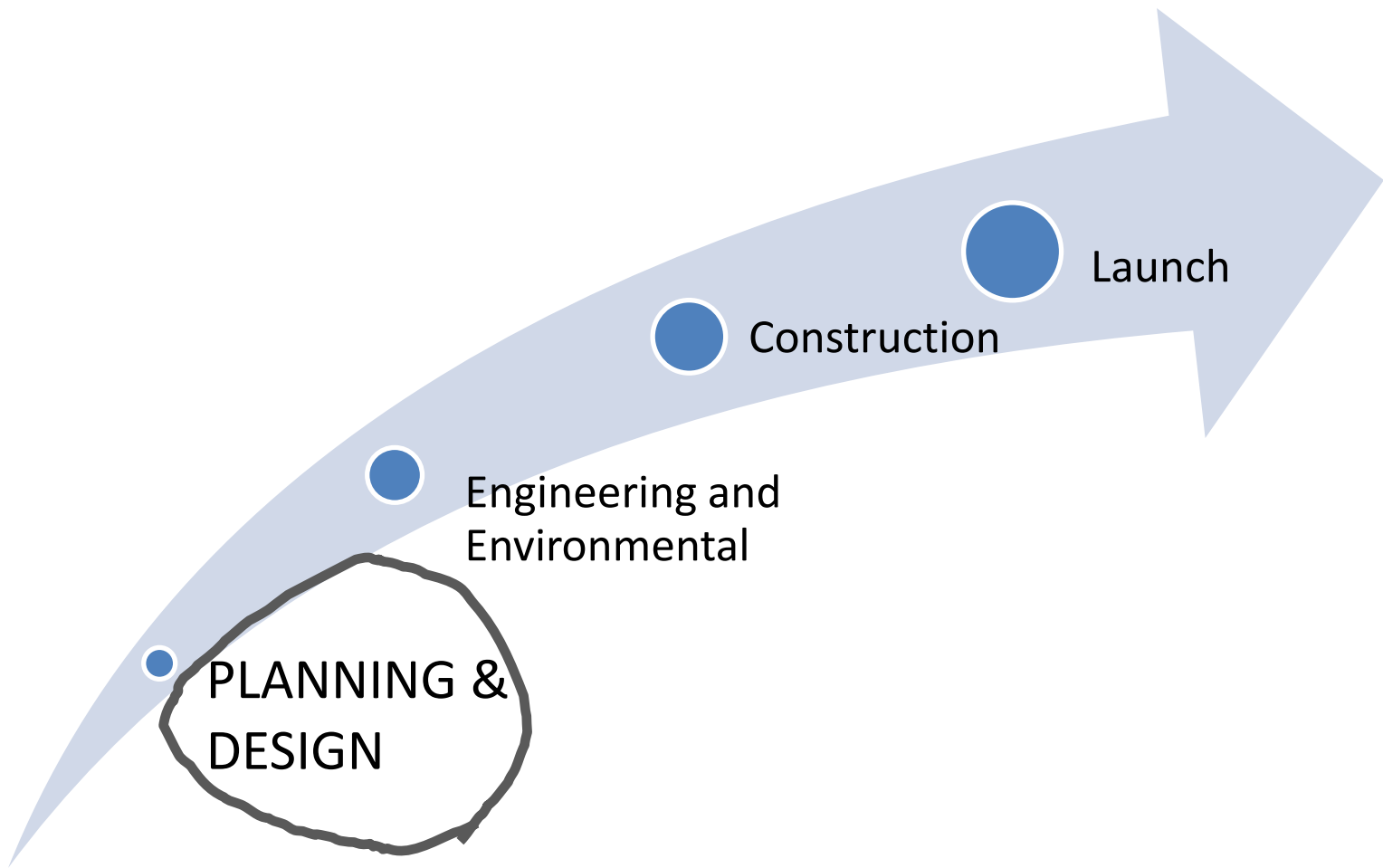
Priority Urban Projects in Design Phase



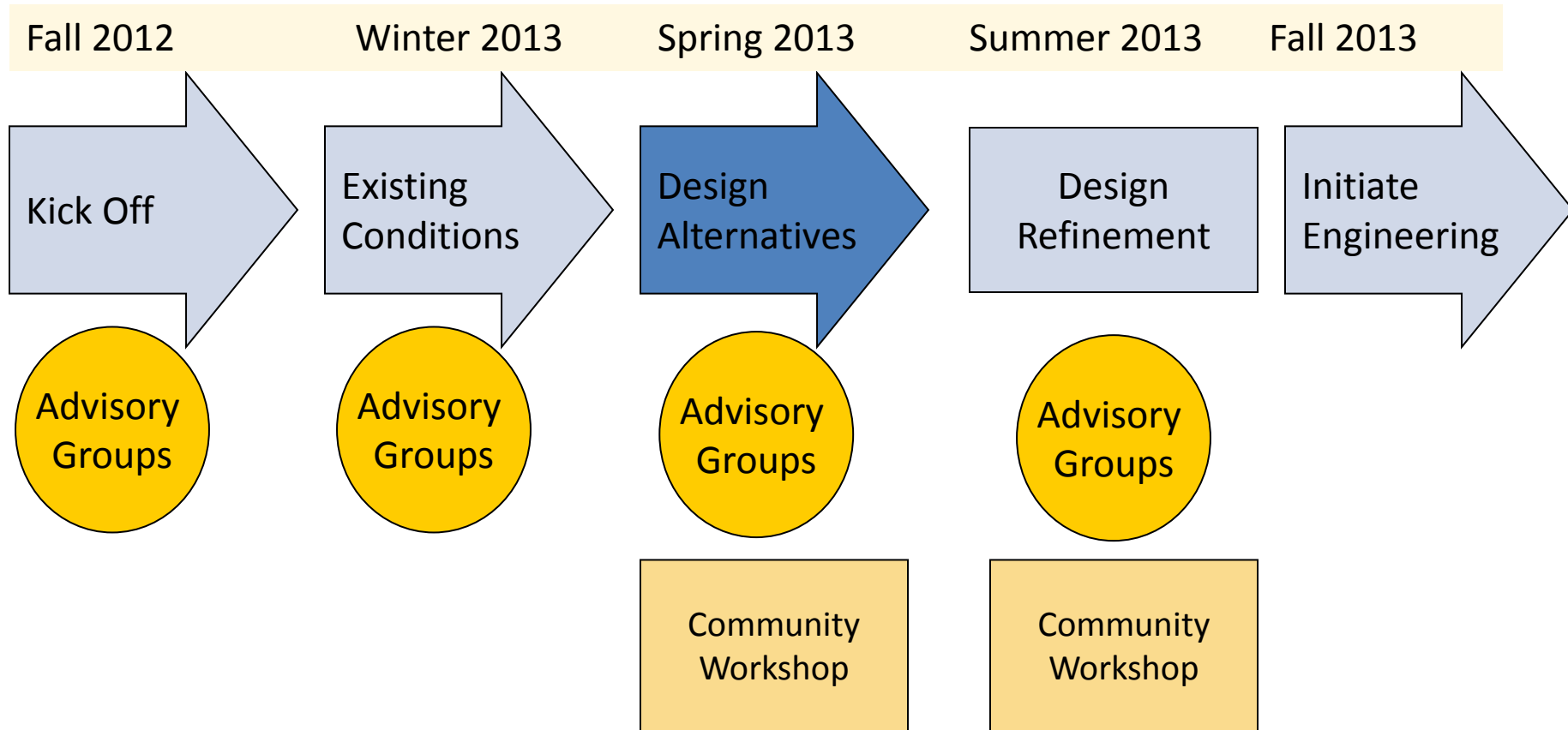
Uptown Project Area



Project Phases



Collaborative Design Process



Project Goals

Mobility: Increase choices; connect communities



Project Goals

Experience: Improve travel safety for everyone, and create an exceptional biking experience



Project Goals

Community: Build on and support related community initiatives



Project Goals

Placemaking: Enhance community identity and public spaces



Project Goals

Economic Development : Improve public infrastructure and strengthen opportunities for community and business development



EVERYDAY PEOPLE, EVERYDAY TRIPS

No Way

**Interested,
but Concerned**
(potential bikeway users)

Anywhere, Anytime



LEVEL of TRAFFIC STRESS



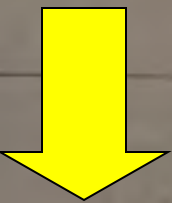
LOW STRESS STREETS BENEFIT ALL USERS



- BENEFITS**
- placemaking
 - safety
 - traffic calming
 - accessibility

“High Stress” – Mira Mesa Boulevard

San Diego



“Medium Stress” – University Ave

San Diego



“Low Stress” - Broadway

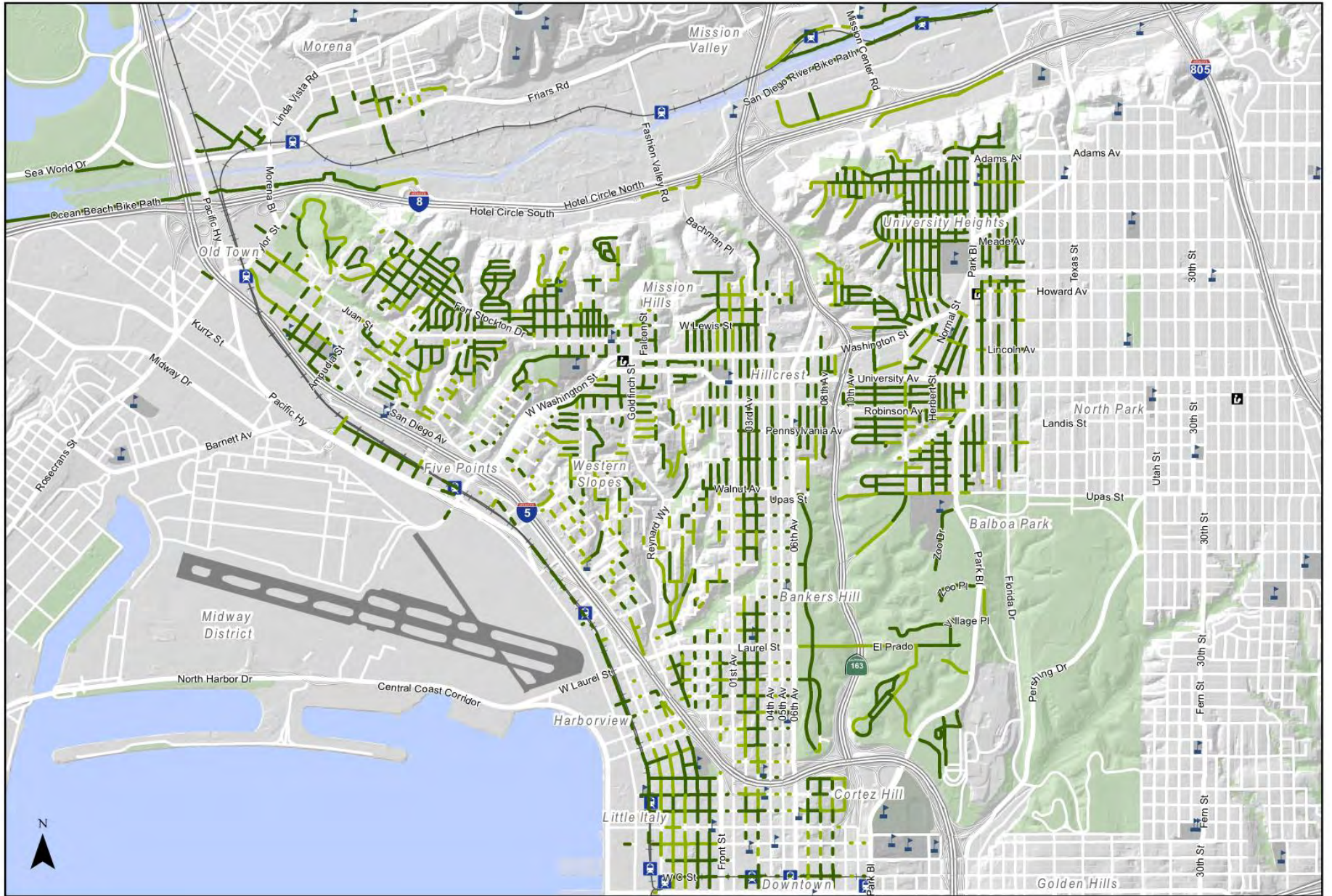
Long Beach



“Low Stress” - Greenway

Long Beach





LTS Overall

Low Stress

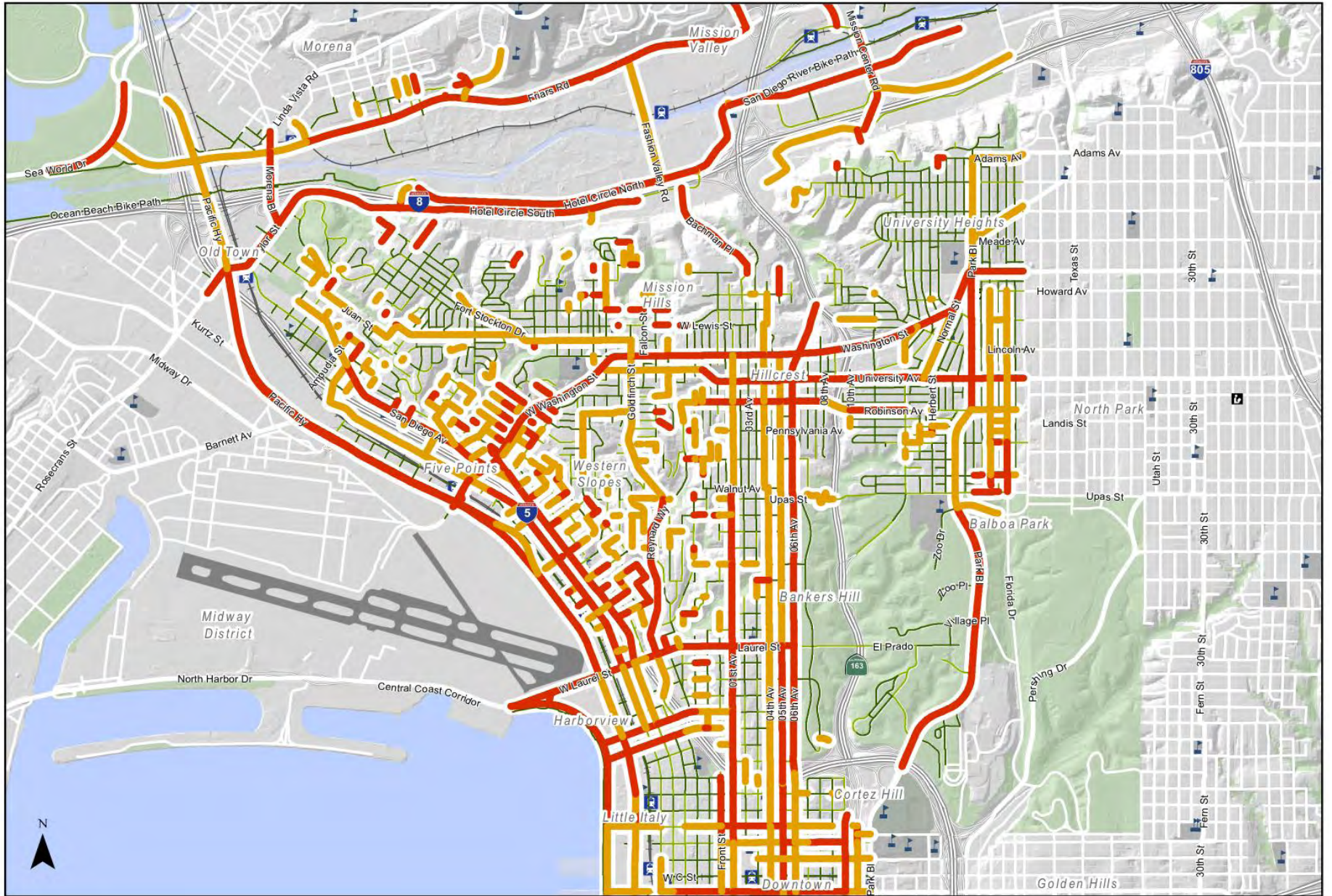
High Stress

- Park
- Trolley Stop
- School
- Library
- Rail Road

Uptown Regional Bike Corridor Project

Roadways Classified By Overall LTS





LTS Overall
 Low Stress
 High Stress

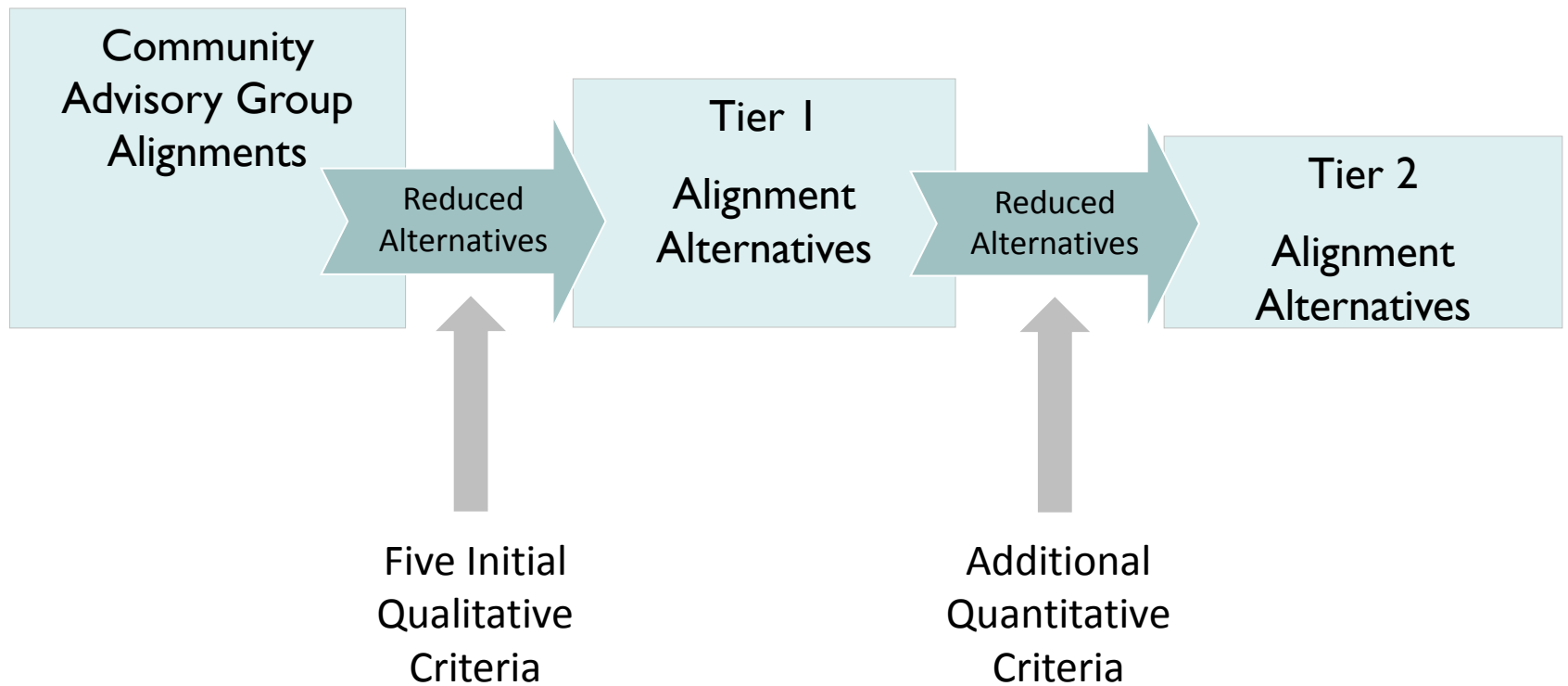
- Park
- Rail Road
- Trolley Stop
- School
- Library

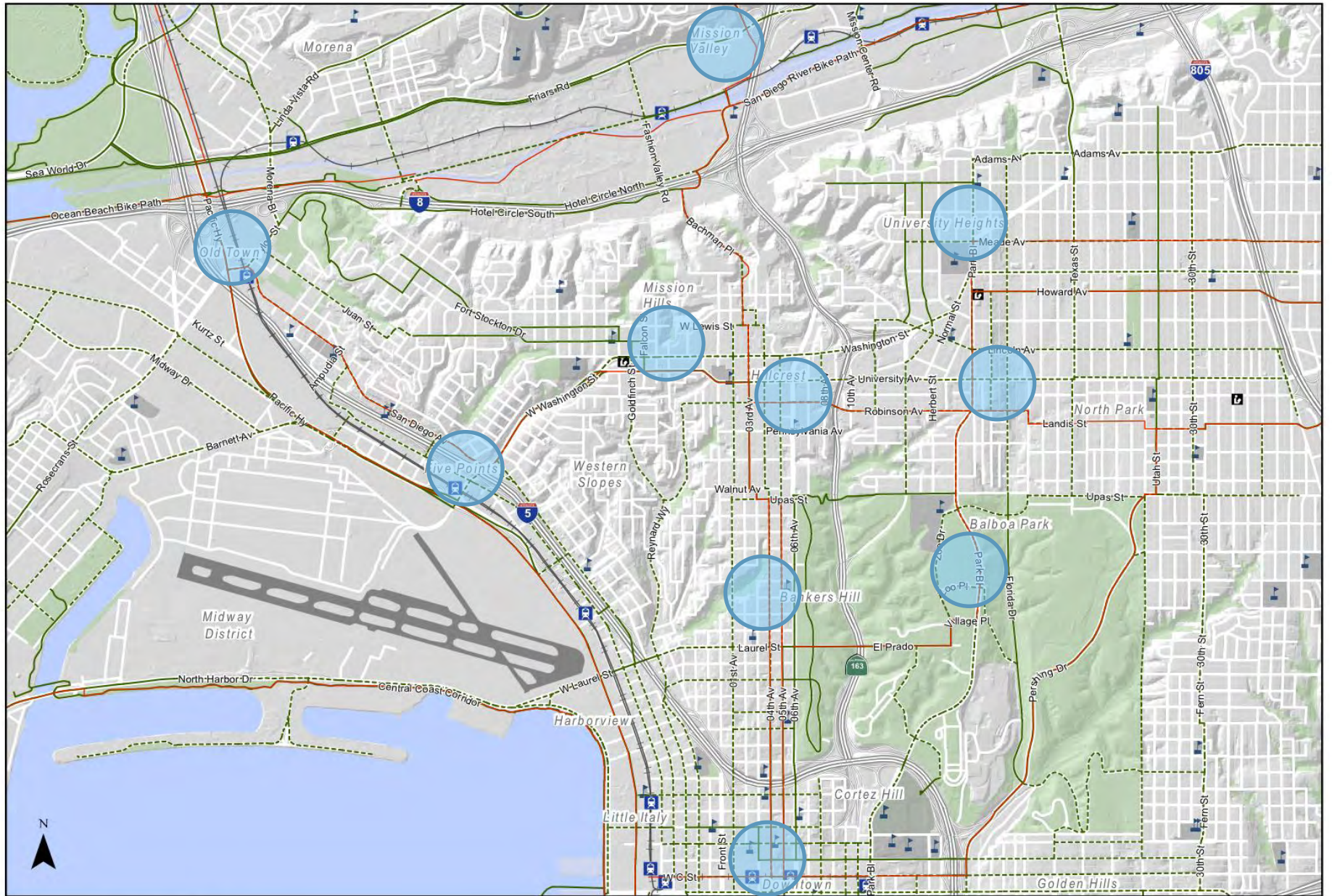
Uptown Regional Bike Corridor Project

Roadways Classified by Overall LTS



ALTERNATIVES ANALYSIS PROCESS





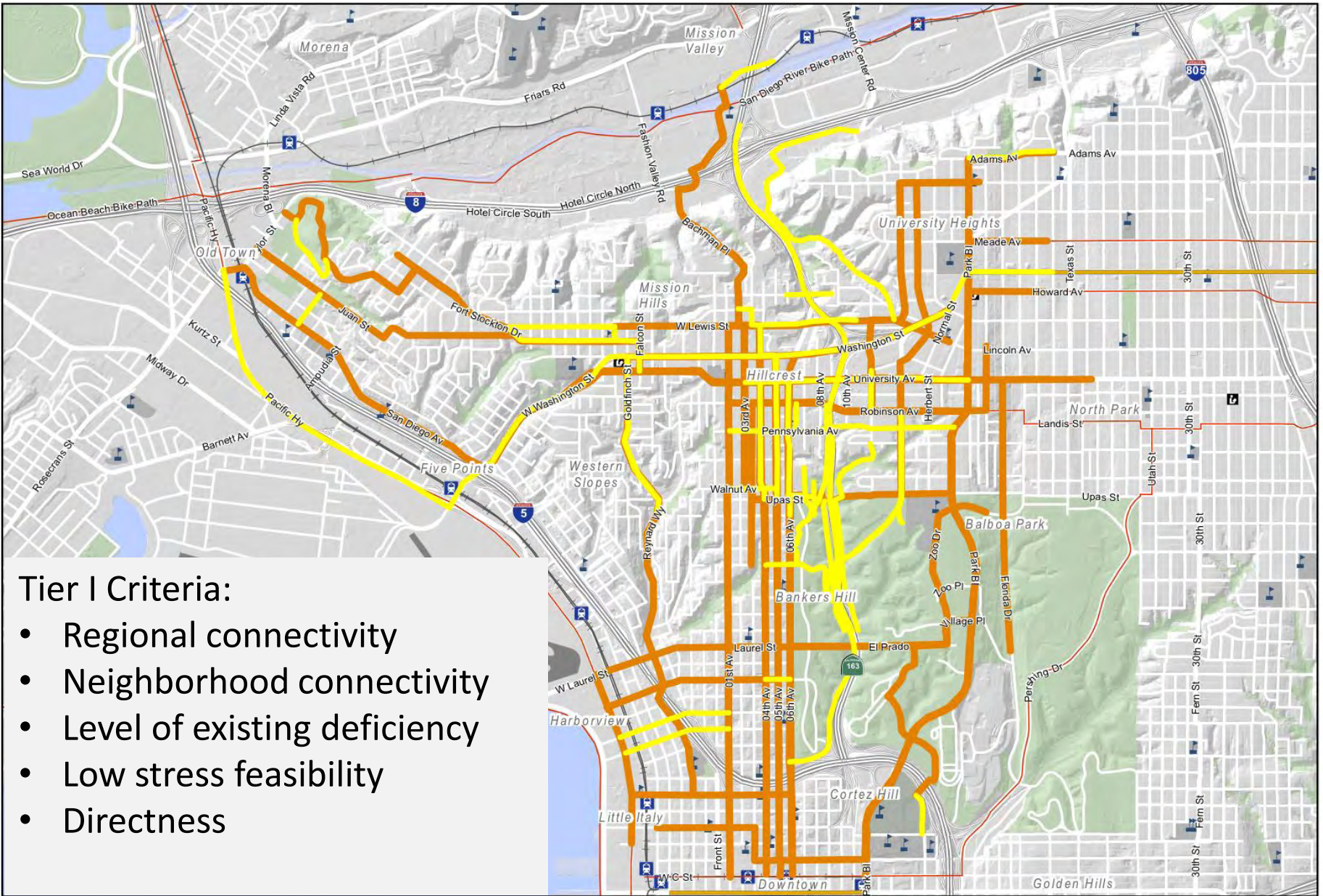
- Existing Bike Facility
- - - City Bike Plan Corridor
- Regional Bike Plan Corridor

- Park
- Rail Road
- Trolley Stop
- School
- Library

Uptown Regional Bike Corridor Project

Proposed Regional and City Bike Routes





Tier I Criteria:

- Regional connectivity
- Neighborhood connectivity
- Level of existing deficiency
- Low stress feasibility
- Directness

Alignments Regional Bike Plan Corridor Rapid Bus



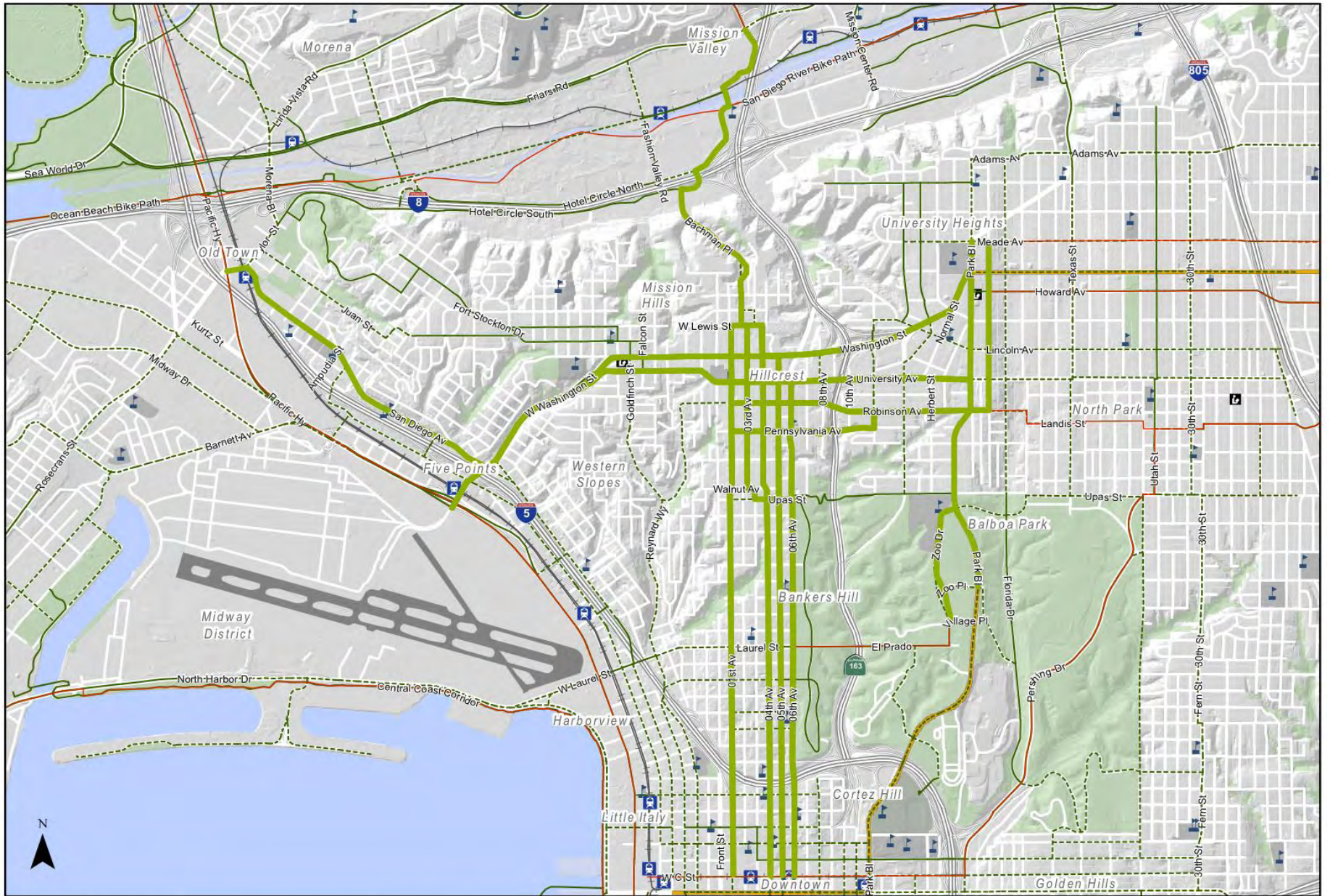
 Park
 Rail Road
 Trolley Stop
 School
 Library

Uptown Regional Bike Corridor Project

Community Input Alternative Alignments

KOA CORPORATION
PLANNING & ENGINEERING

SANDAG



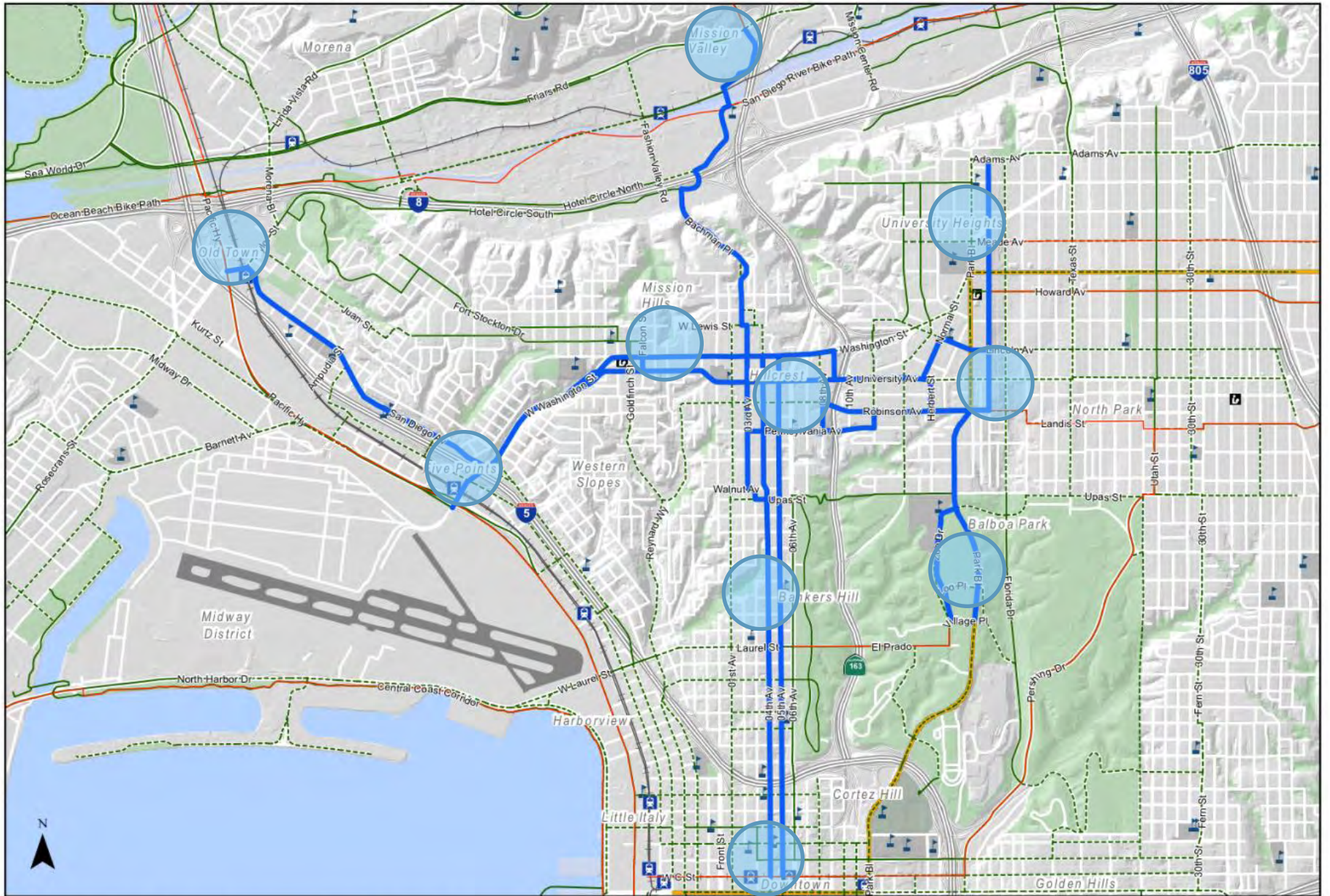
- Existing Bike Facility
- - - City Bike Plan Corridor
- Regional Bike Plan Corridor

- Alignments
- Rapid Bus

- Park
- Rail Road
- Trolley Stop
- School
- Library

Uptown Regional Bike Corridor Project

Top Scoring Alignments



Uptown Regional Bike Corridor Project

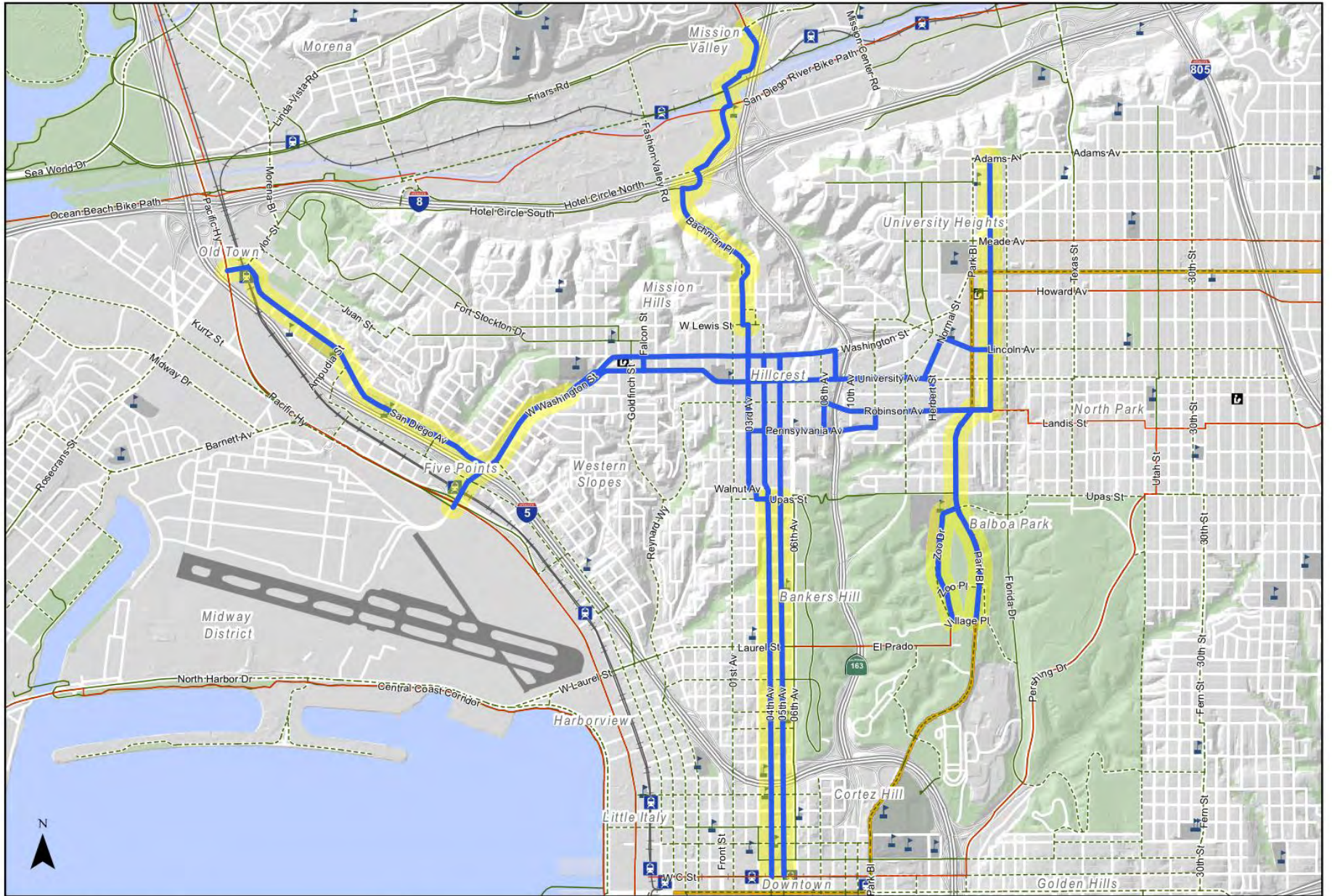
Tier III Alignments

- | | | | |
|-----------------------------|------------|-----------|--------------|
| Existing Bike Facility | Alignments | Park | Trolley Stop |
| City Bike Plan Corridor | Rapid Bus | Rail Road | School |
| Regional Bike Plan Corridor | | Library | |





ALIGNMENTS & POTENTIAL DESIGNS OVERVIEW



- Existing Bike Facility
- - - City Bike Plan Corridor
- Regional Bike Plan Corridor

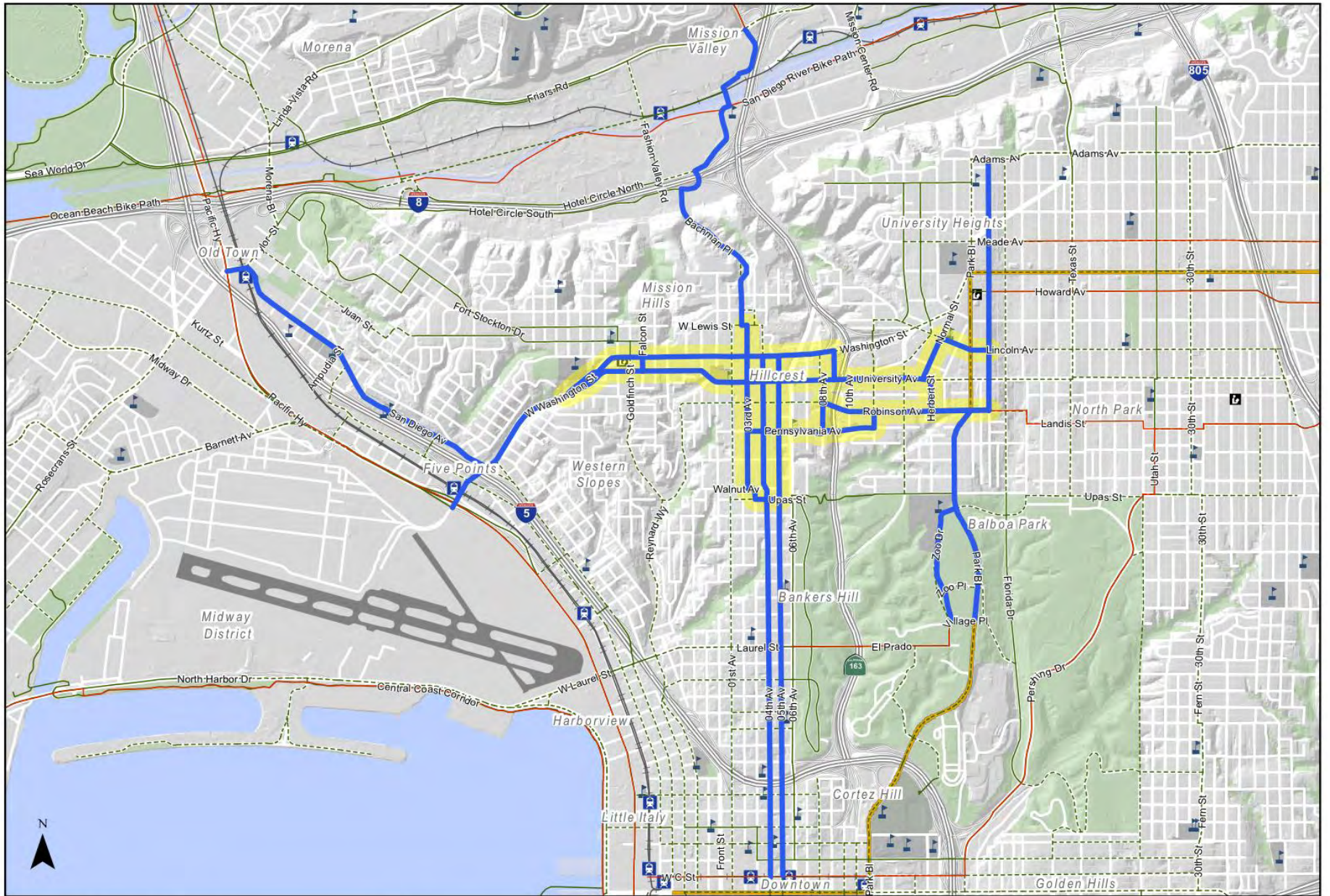
- Alignments
- Rapid Bus

- Park
- Rail Road
- Trolley Stop
- School
- Library

Uptown Regional Bike Corridor Project

Tier III Alignments





Uptown Regional Bike Corridor Project

Tier III Alignments

- Existing Bike Facility
- - - City Bike Plan Corridor
- Regional Bike Plan Corridor
- Alignments
- Rapid Bus
- Park
- Rail Road
- T Trolley Stop
- B School
- L Library

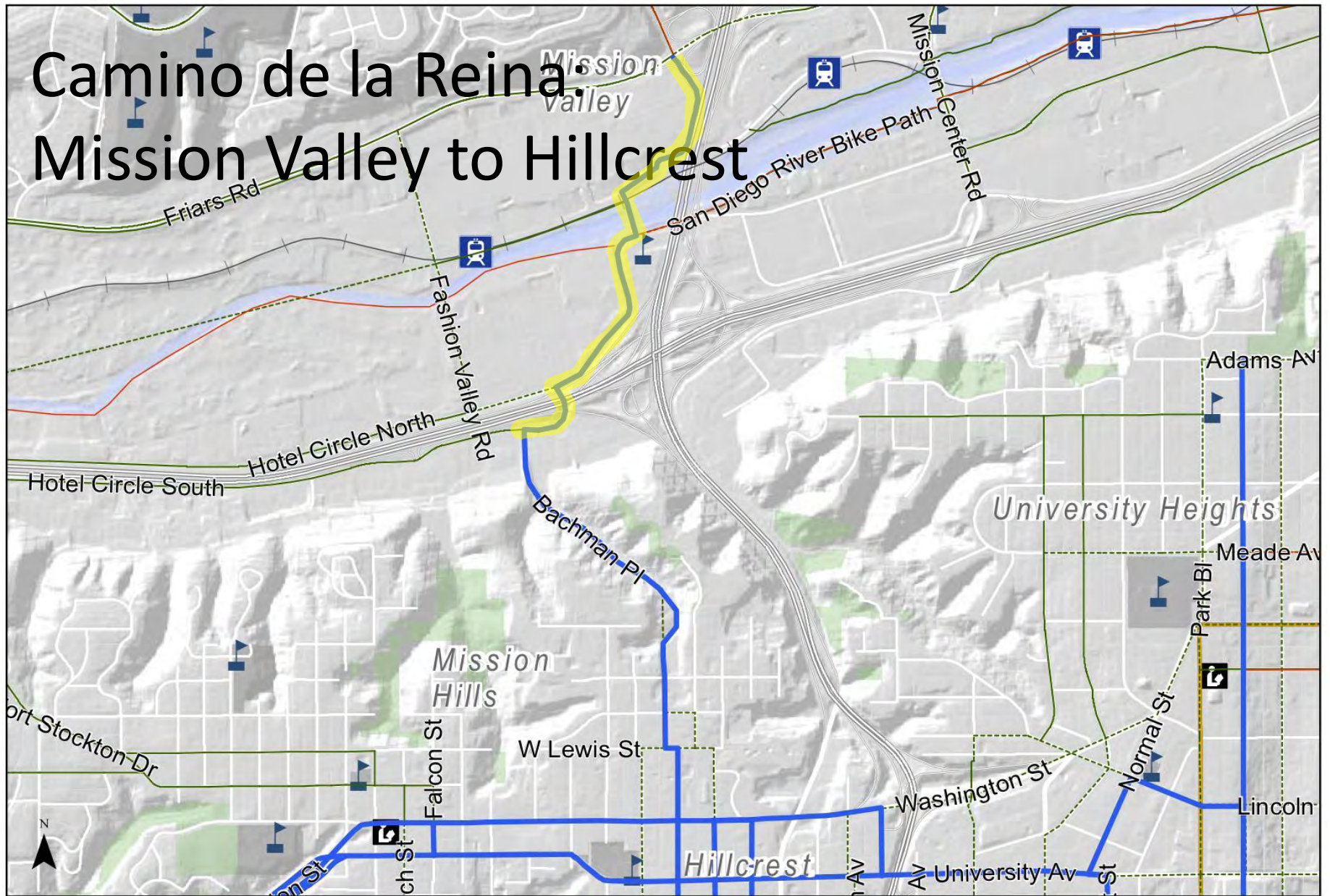


FIRST SET: NORTH / SOUTH OPTIONS

Mission Valley>Hillcrest>Bankers Hill>Downtown

- Camino de la Reina
- Bachman Place
- 3rd
- 4th
- 5th

Camino de la Reina: Mission Valley to Hillcrest



- Existing Bike Facility
- - - City Bike Plan Corridor
- Regional Bike Plan Corridor

- Alignments
- Rapid Bus

- Park
- Rail Road
- Trolley Stop
- ▲ School
- Library

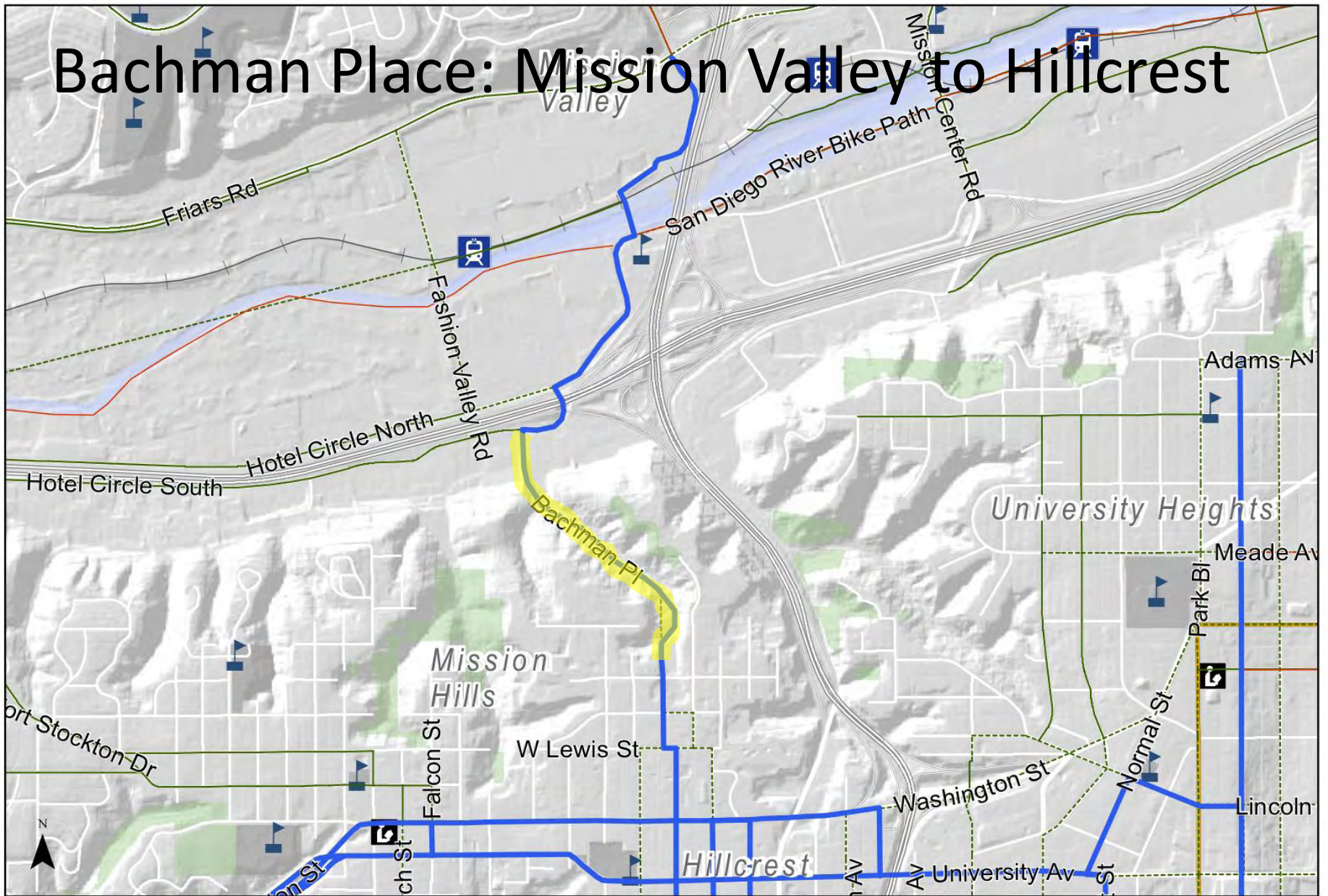
Uptown Regional Bike Corridor Project

Tier III Alignments





Bachman Place: Mission Valley to Hillcrest



- Existing Bike Facility
- - - City Bike Plan Corridor
- Regional Bike Plan Corridor

- Alignments
- Rapid Bus

- Park
- Rail Road

- Trolley Stop
- ▲ School
- Library

Uptown Regional Bike Corridor Project

Tier III Alignments

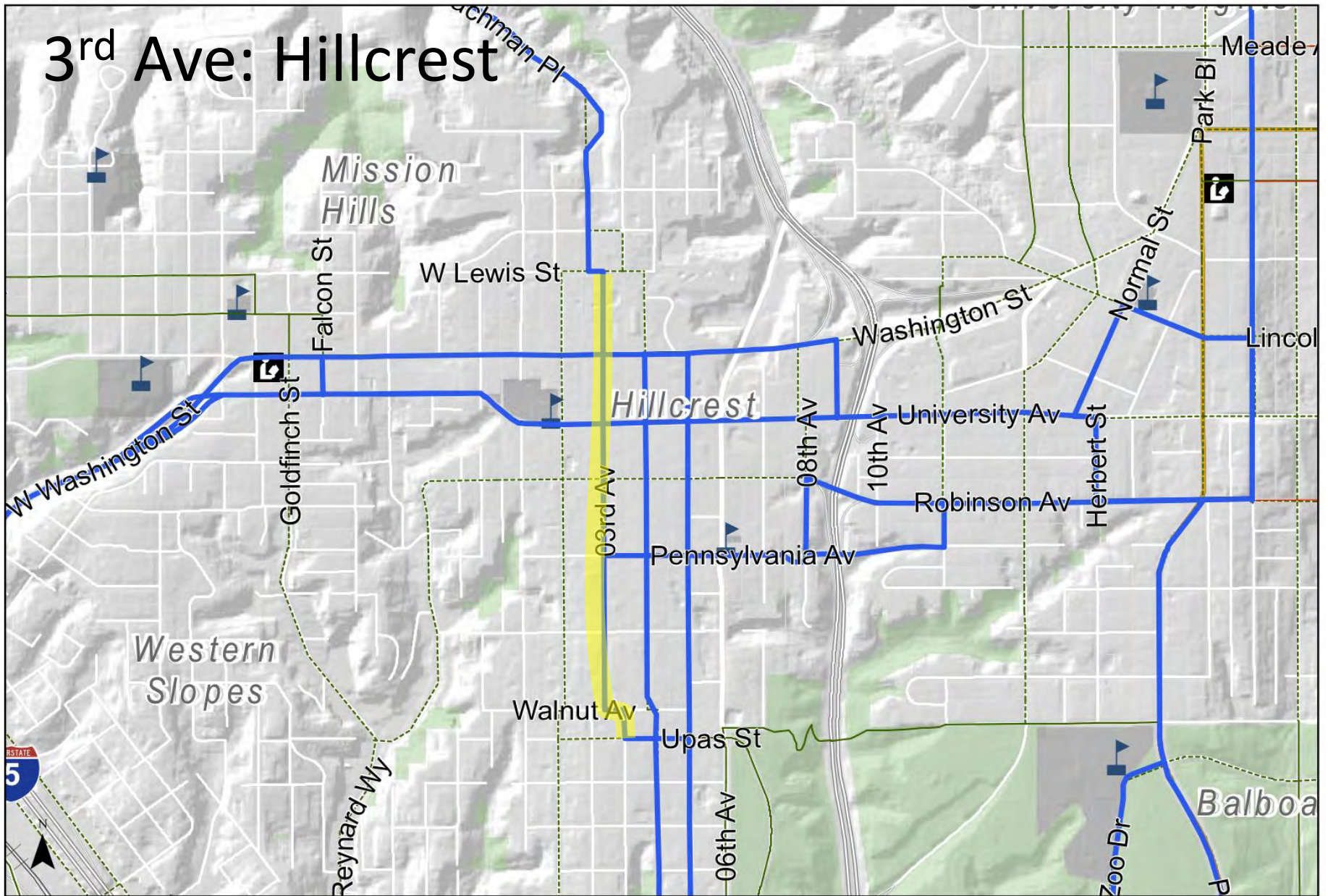




LANE

BIKE

3rd Ave: Hillcrest



- Existing Bike Facility
- - - City Bike Plan Corridor
- Regional Bike Plan Corridor

- Alignments
- Rapid Bus

- Park
- Rail Road
- Trolley Stop
- School
- Library

Uptown Regional Bike Corridor Project

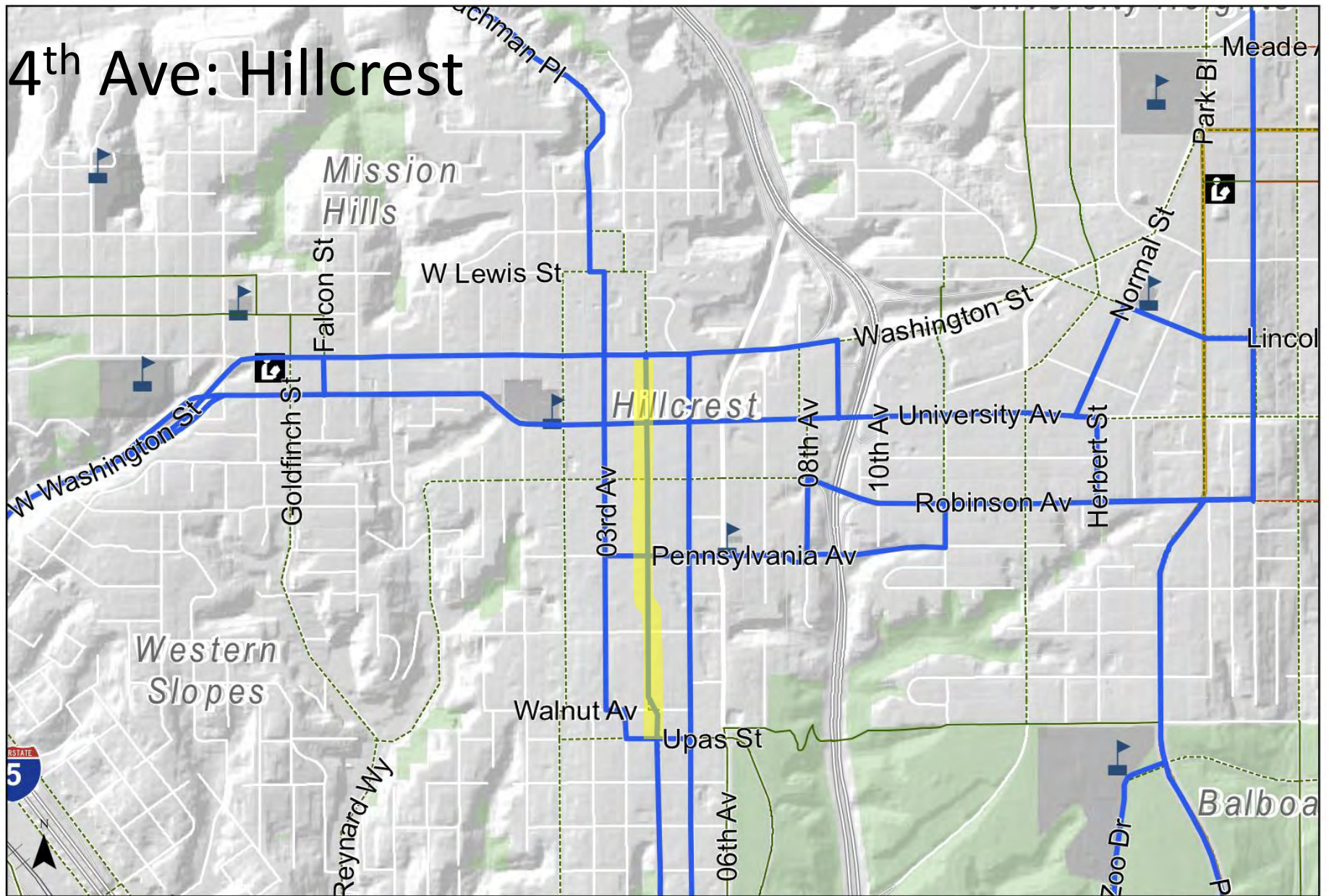
Tier III Alignments





SHARE
ROAD

4th Ave: Hillcrest



- Existing Bike Facility
- - - City Bike Plan Corridor
- Regional Bike Plan Corridor

- Alignments
- Rapid Bus

- Park
- Rail Road
- Trolley Stop
- School
- Library

Uptown Regional Bike Corridor Project

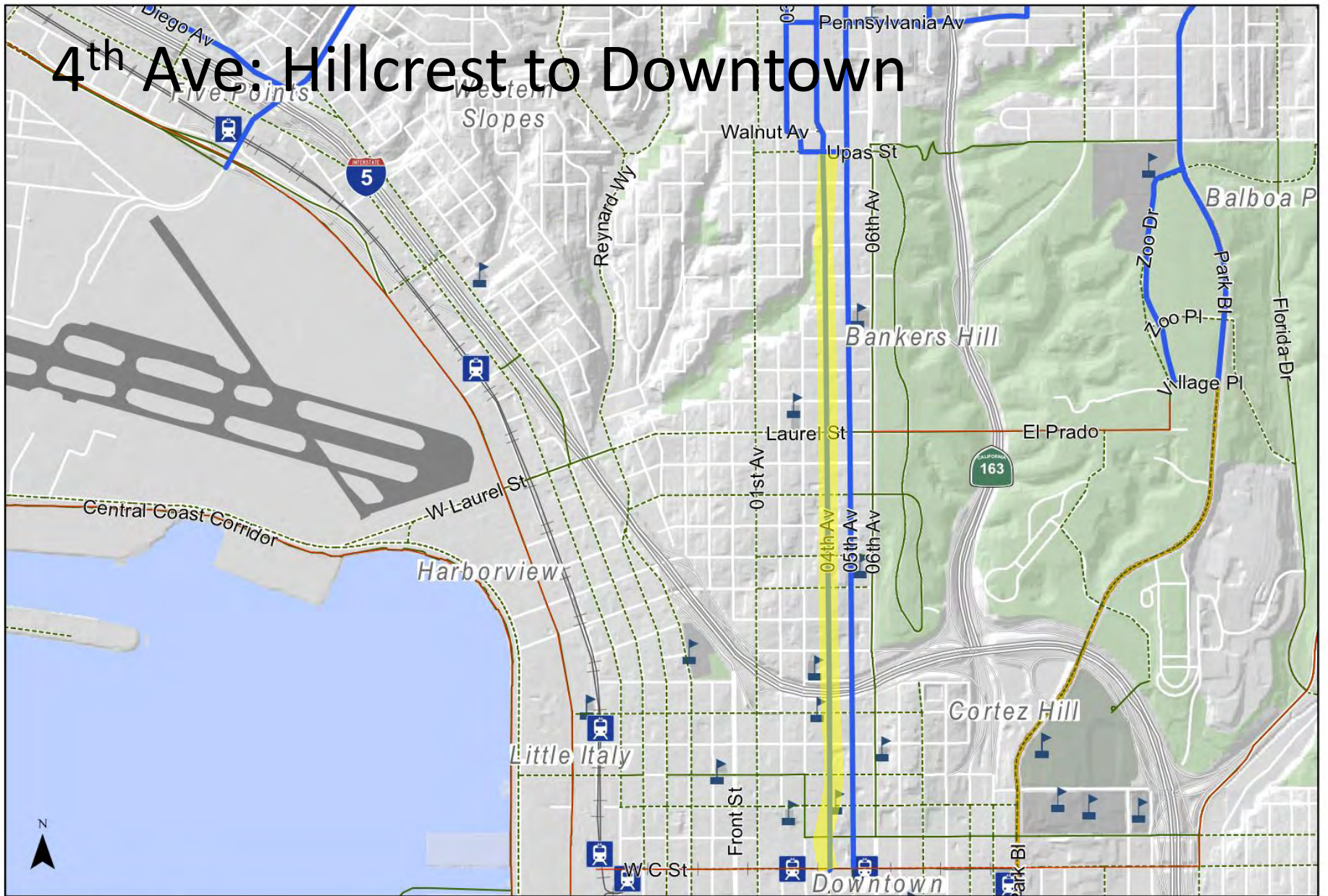
Tier III Alignments







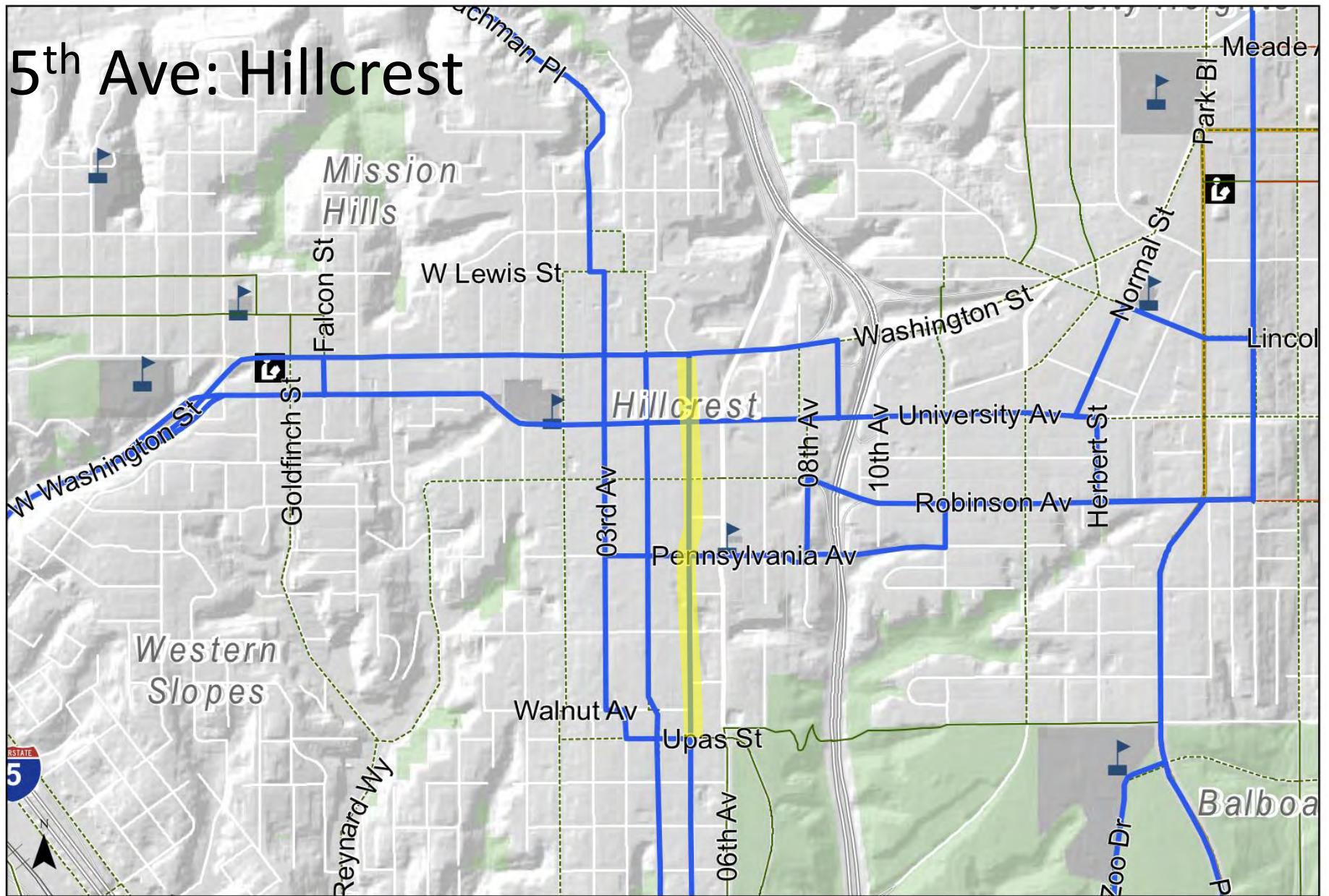
4th Ave: Hillcrest to Downtown



- | | | | |
|-----------------------------|------------|-----------|--------------|
| Existing Bike Facility | Alignments | Park | Trolley Stop |
| City Bike Plan Corridor | Rapid Bus | Rail Road | School |
| Regional Bike Plan Corridor | | | Library |



5th Ave: Hillcrest



- Existing Bike Facility
- - - City Bike Plan Corridor
- Regional Bike Plan Corridor

- Alignments
- Rapid Bus

- Park
- Rail Road
- Trolley Stop
- School
- Library

Uptown Regional Bike Corridor Project

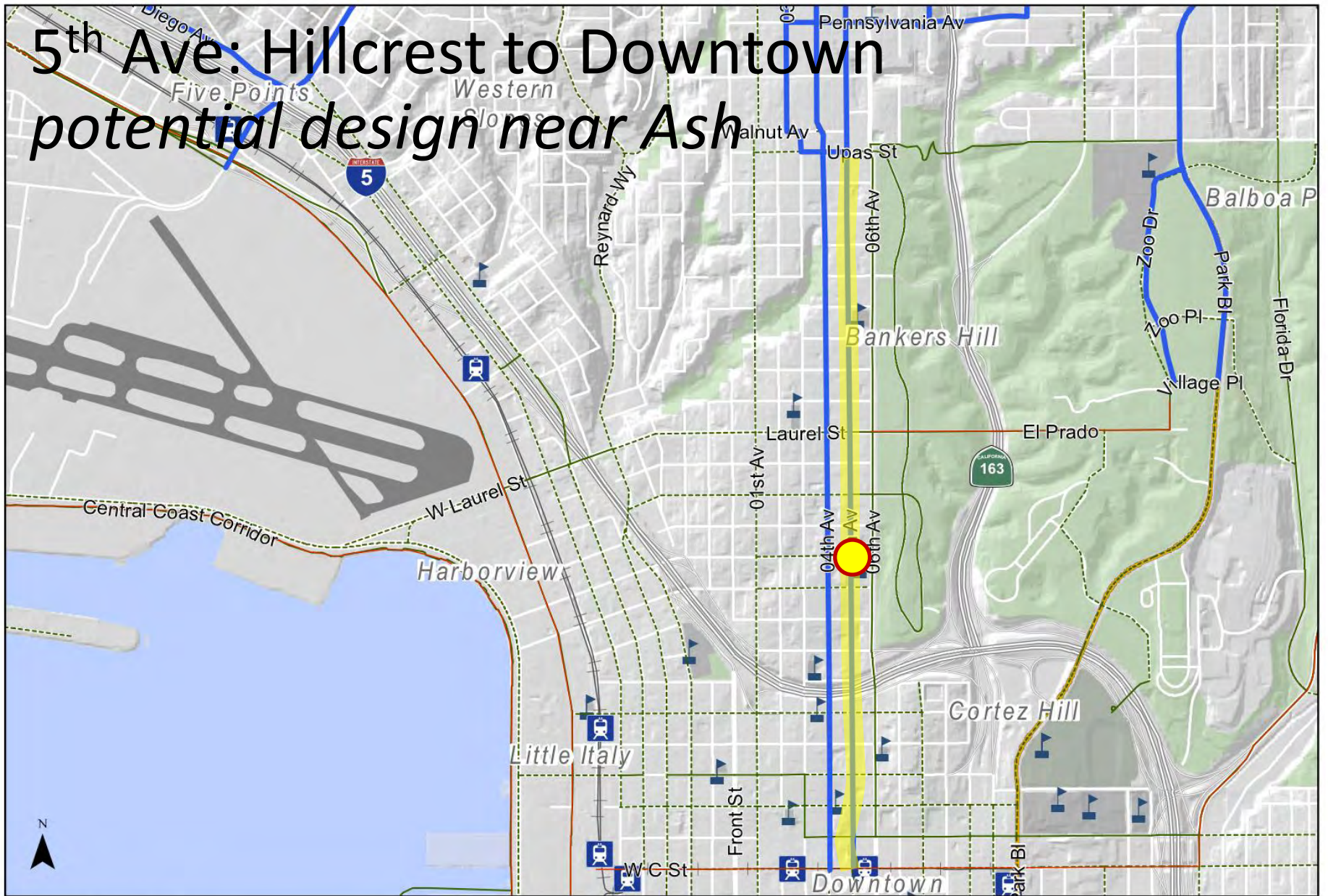
Tier III Alignments







5th Ave: Hillcrest to Downtown potential design near Ash



- Existing Bike Facility
- - - City Bike Plan Corridor
- Regional Bike Plan Corridor

- Alignments
- Rapid Bus

- Park
- Rail Road
- Trolley Stop
- School
- Library

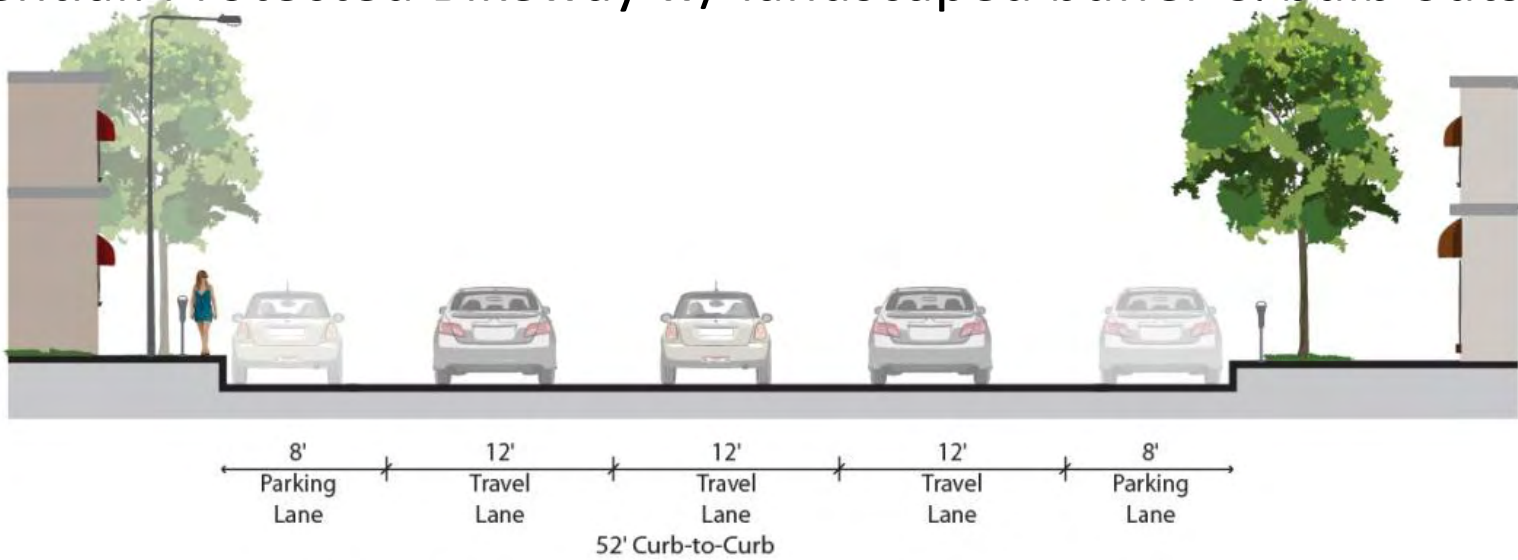
Uptown Regional Bike Corridor Project

Tier III Alignments

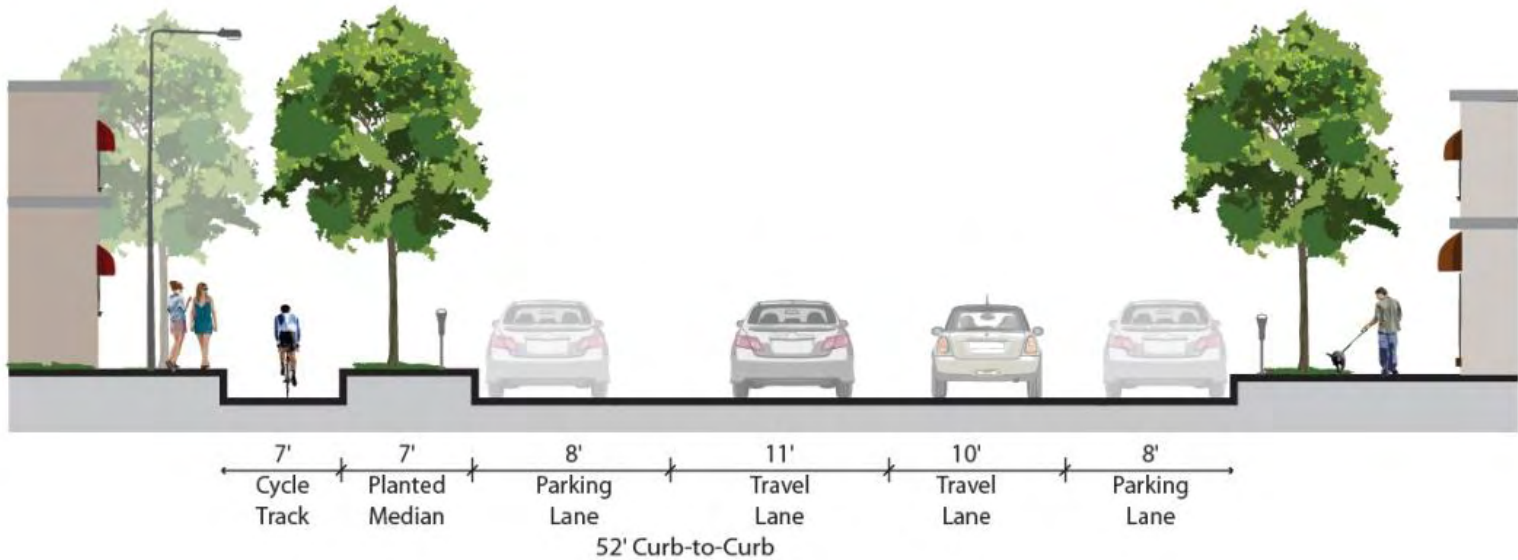
5th Ave: near Ash St

Potential: Protected Bikeway w/ landscaped buffer & bulb outs

Existing



Potential



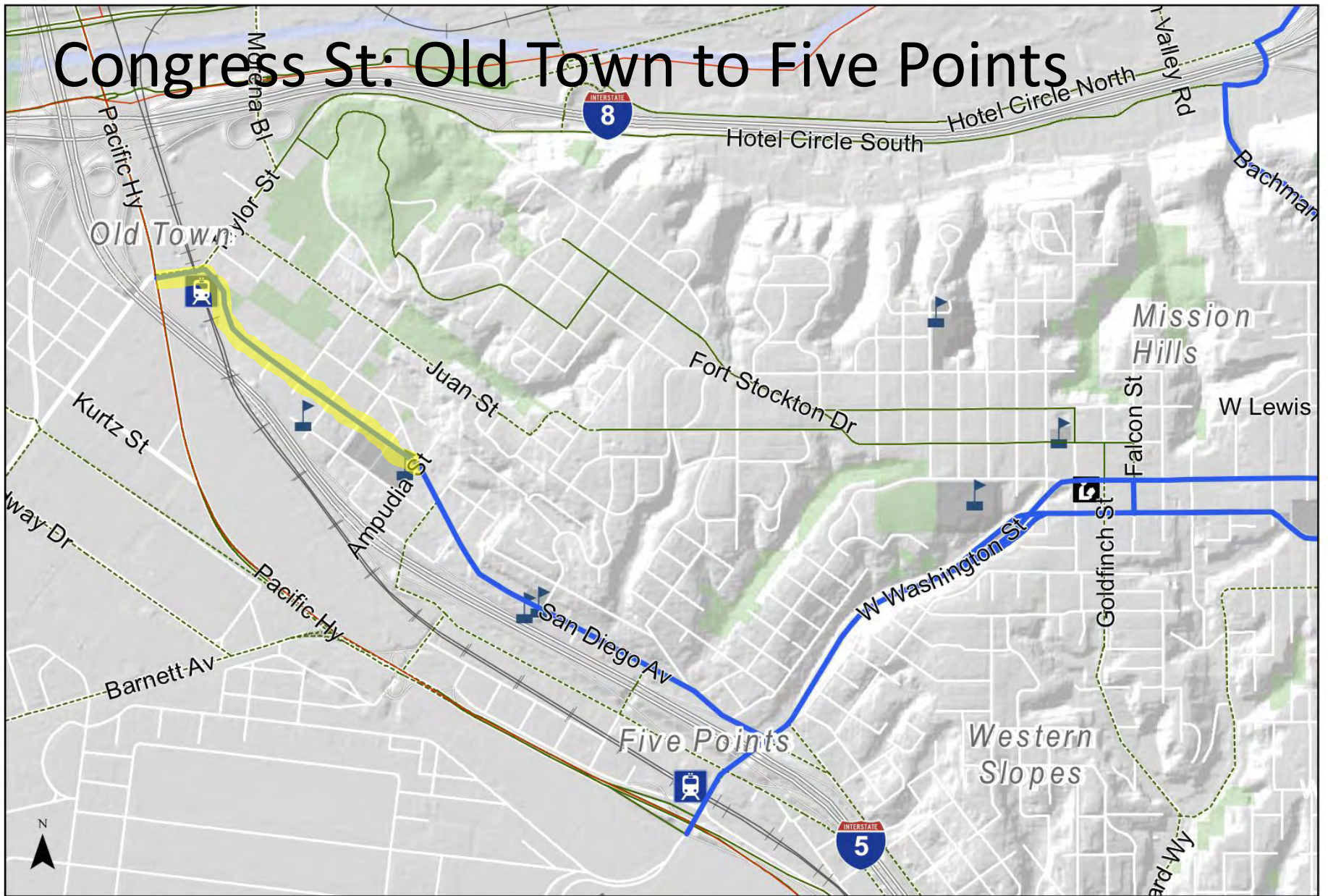


NEXT SET: WEST / EAST OPTIONS

Old Town>Five Points>Mission Hills>Hillcrest>North Park

- Congress St
- San Diego Ave
- Washington St
- University Ave
- Robinson St
- Pennsylvania St

Congress St: Old Town to Five Points



- Existing Bike Facility
- - - City Bike Plan Corridor
- Regional Bike Plan Corridor

- Alignments
- Rapid Bus

- Park
- Rail Road
- Trolley Stop
- School
- Library

Uptown Regional Bike Corridor Project

Tier III Alignments





San Diego Ave: Old Town to Five Points



- Existing Bike Facility
- - - City Bike Plan Corridor
- Regional Bike Plan Corridor

- Alignments
- Rapid Bus

- Park
- Rail Road
- Trolley Stop
- School
- Library

Uptown Regional Bike Corridor Project

Tier III Alignments







Washington St: Five Points to Mission Hills potential design near India St



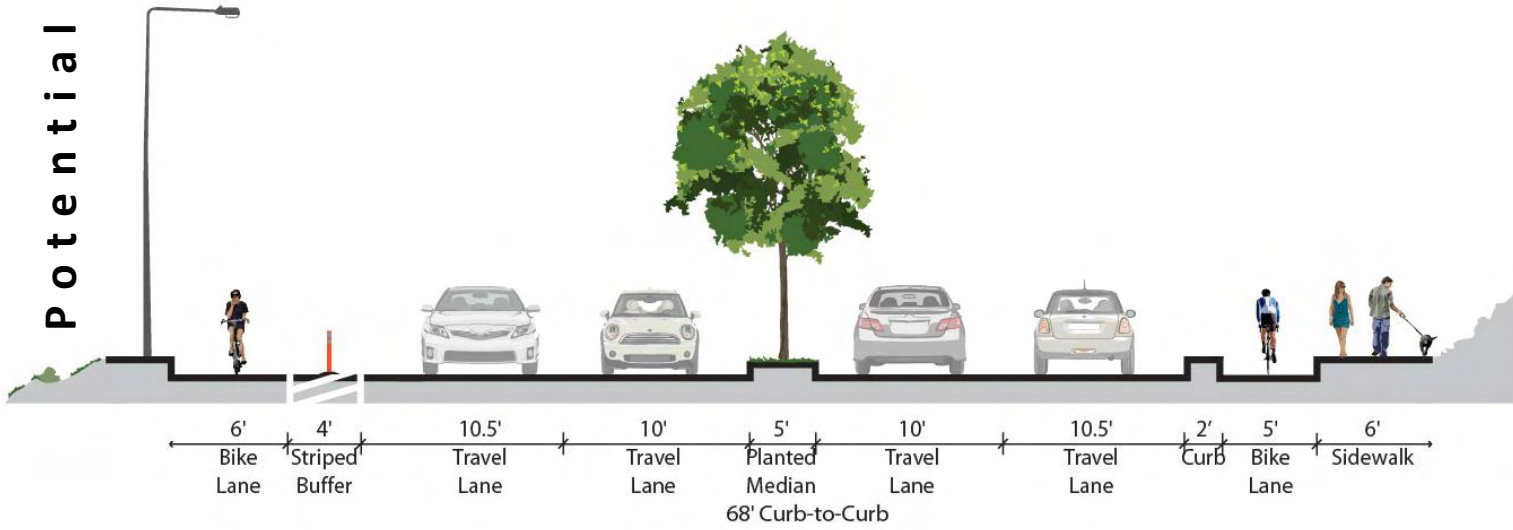
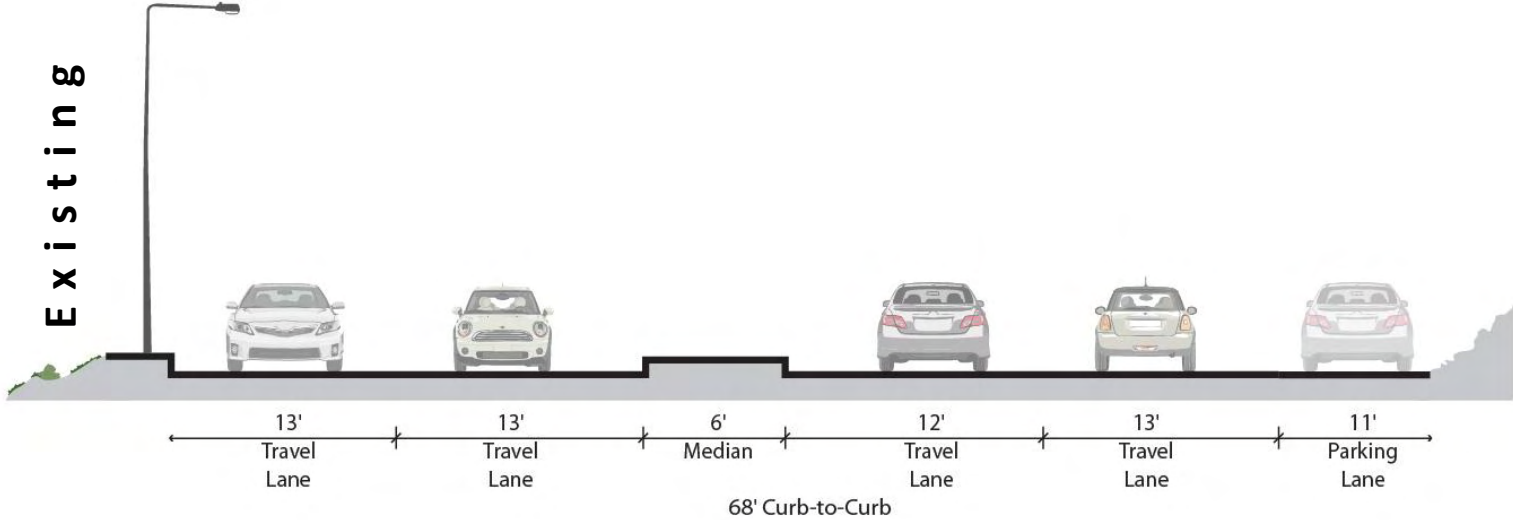
- | | | | |
|-----------------------------|------------|-----------|--------------|
| Existing Bike Facility | Alignments | Park | Trolley Stop |
| City Bike Plan Corridor | Rapid Bus | Rail Road | School |
| Regional Bike Plan Corridor | | | Library |

Uptown Regional Bike Corridor Project

Tier III Alignments

Washington St: near India St

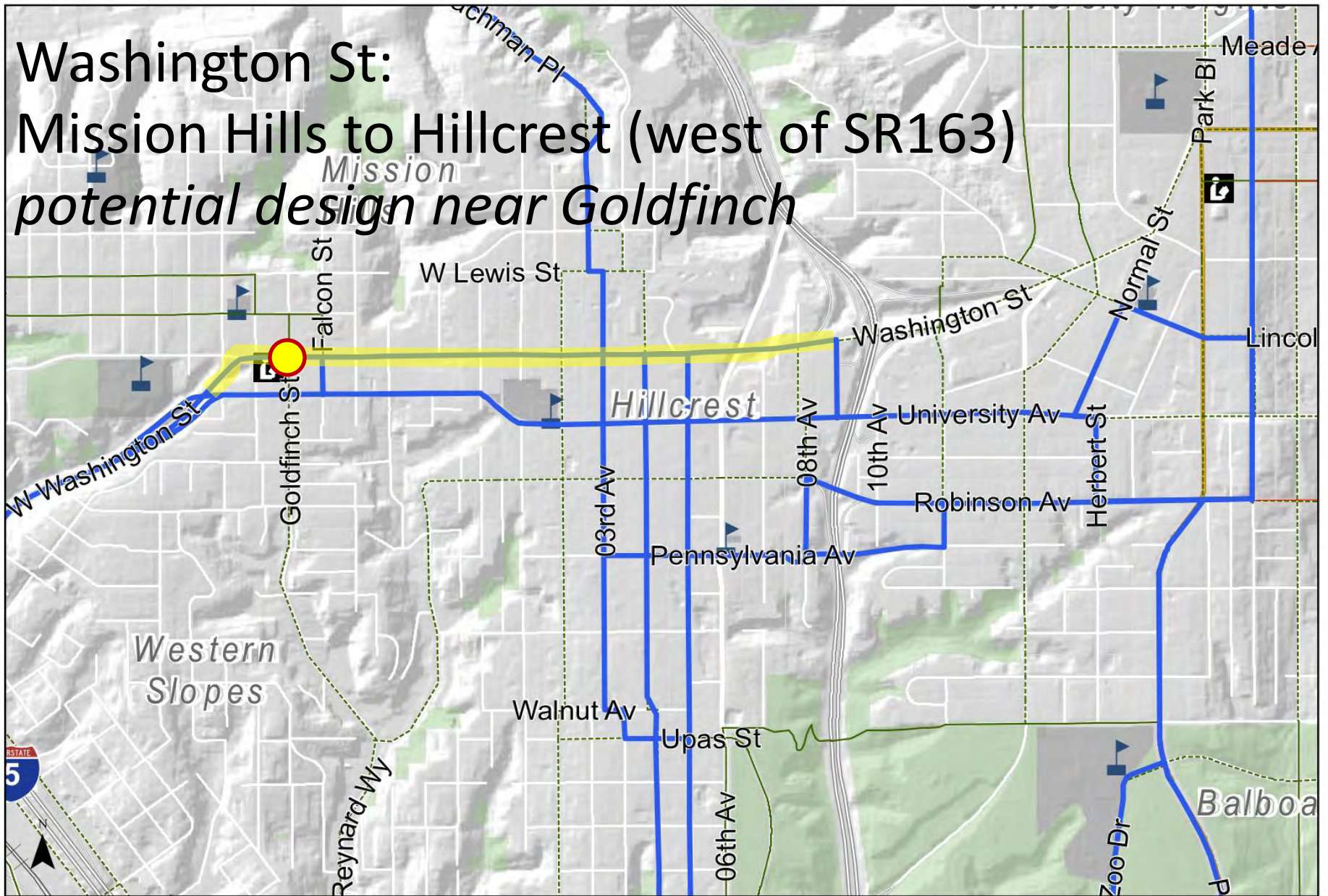
Potential: Protected Bikeway w/ sidewalk (uphill)







Washington St: Mission Hills to Hillcrest (west of SR163) *potential design near Goldfinch*



- Existing Bike Facility
- - - City Bike Plan Corridor
- Regional Bike Plan Corridor

- Alignments
- Rapid Bus

- Park
- +— Rail Road
- Trolley Stop
- School
- Library

Uptown Regional Bike Corridor Project

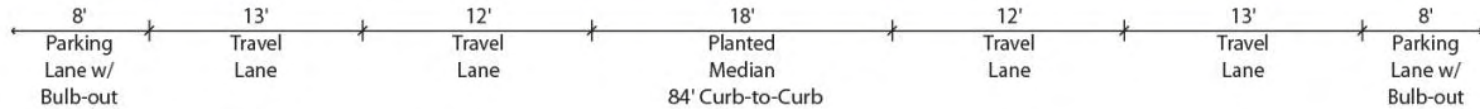
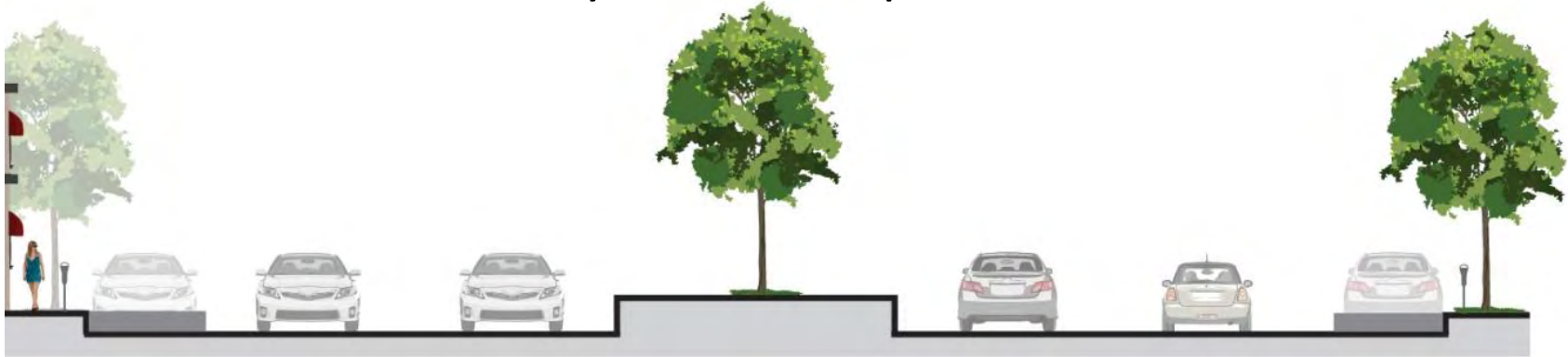
Tier III Alignments



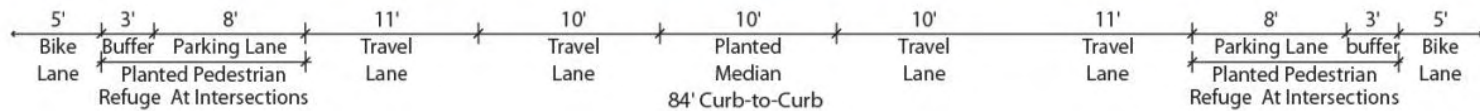
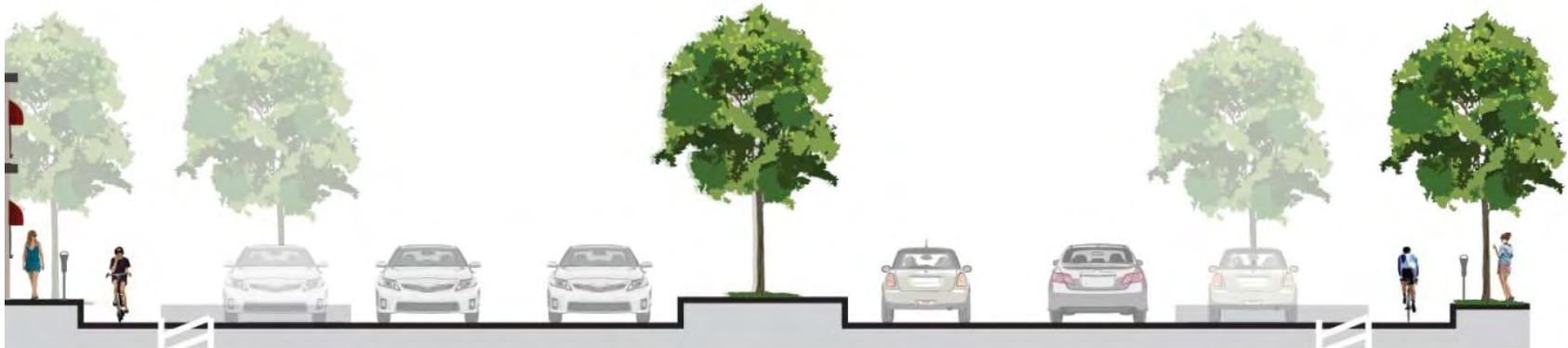
Washington: near Goldfinch Street

Potential: Protected Bikeway w/ landscaped buffer & bulb outs

Existing



Potential

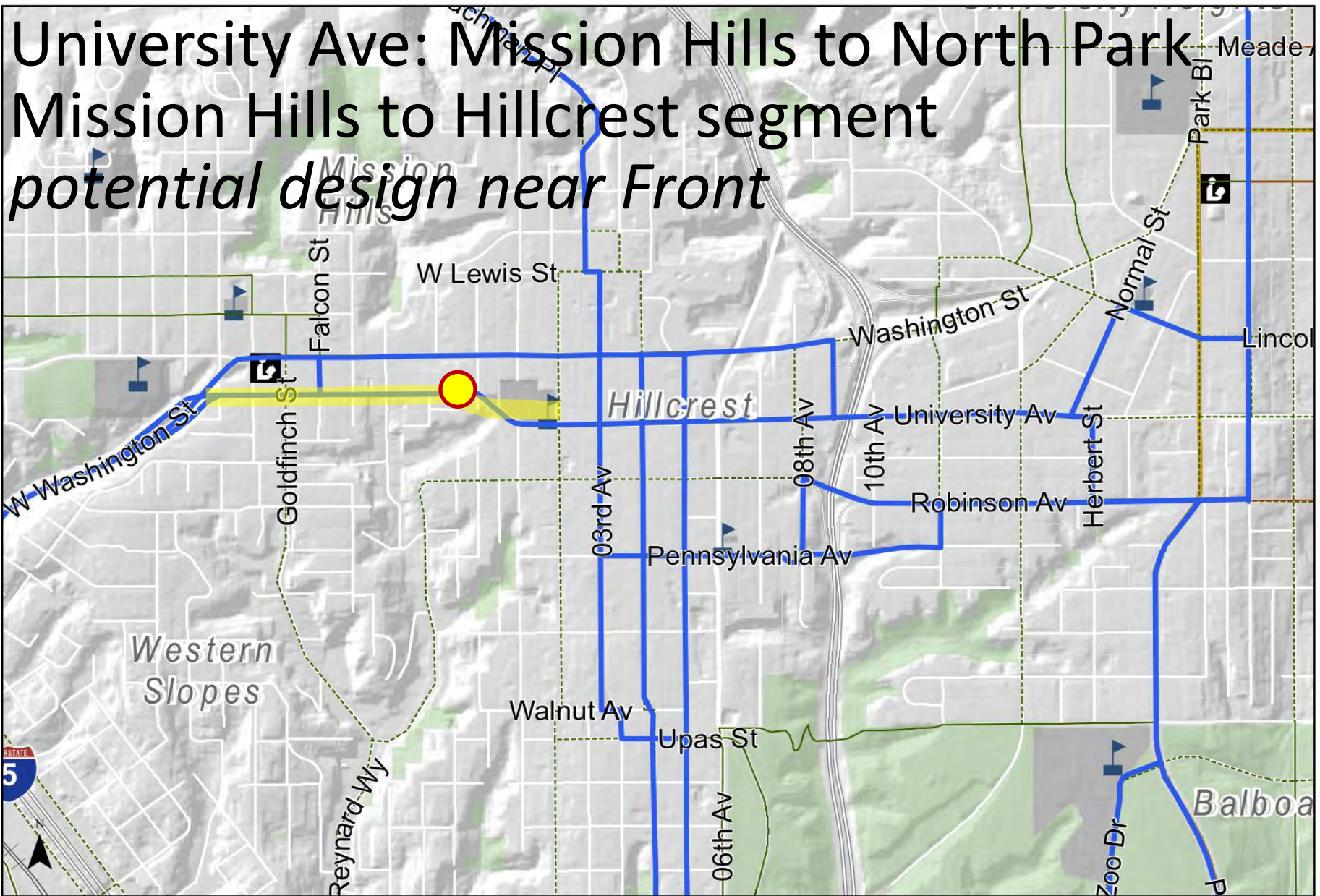




University Ave: Mission Hills to North Park

Mission Hills to Hillcrest segment

potential design near Front



- Existing Bike Facility
- - - City Bike Plan Corridor
- Regional Bike Plan Corridor

- Alignments
- Rapid Bus

- Park
- +— Rail Road
- Trolley Stop
- School
- Library

Uptown Regional Bike Corridor Project

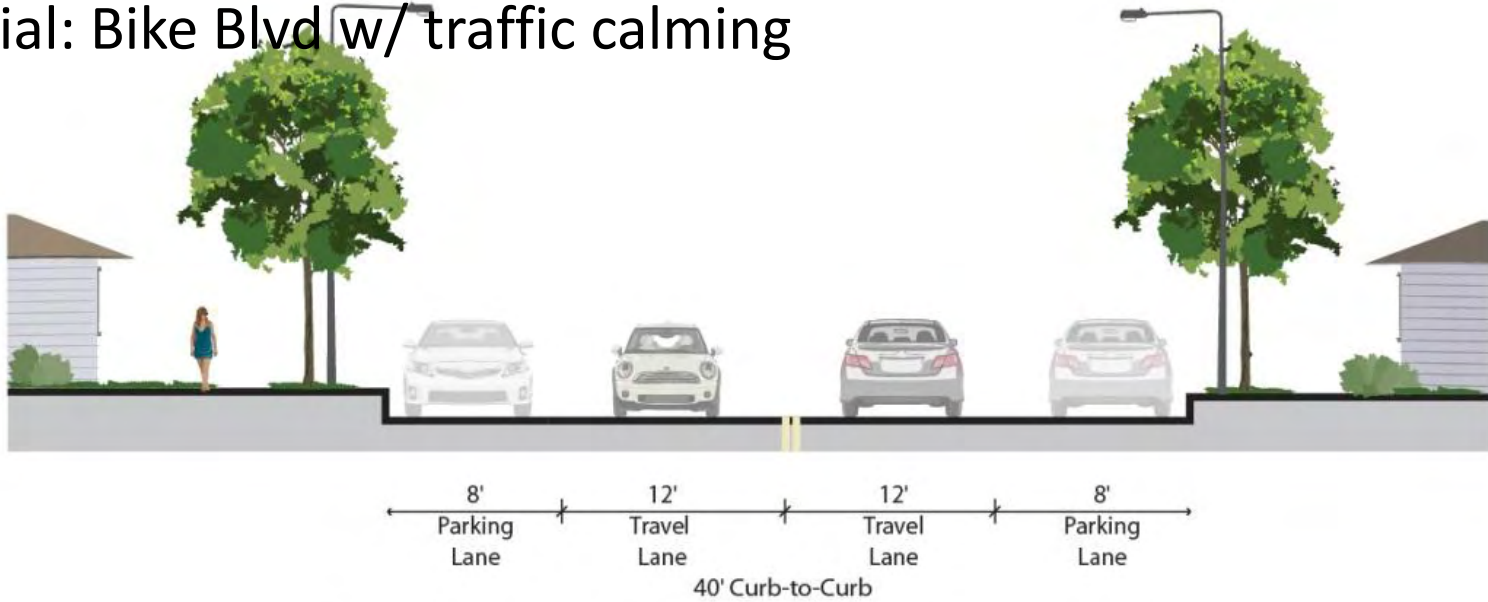
Tier III Alignments



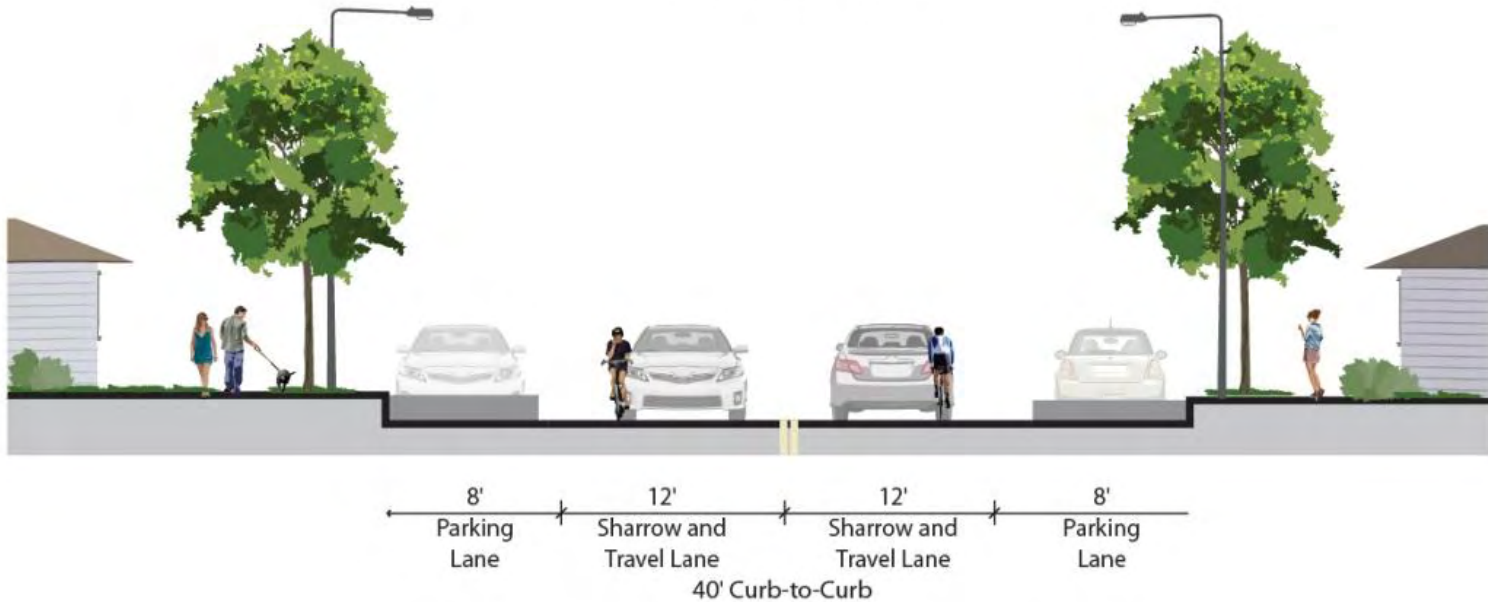
University Ave: near Front St

Potential: Bike Blvd w/ traffic calming

Existing

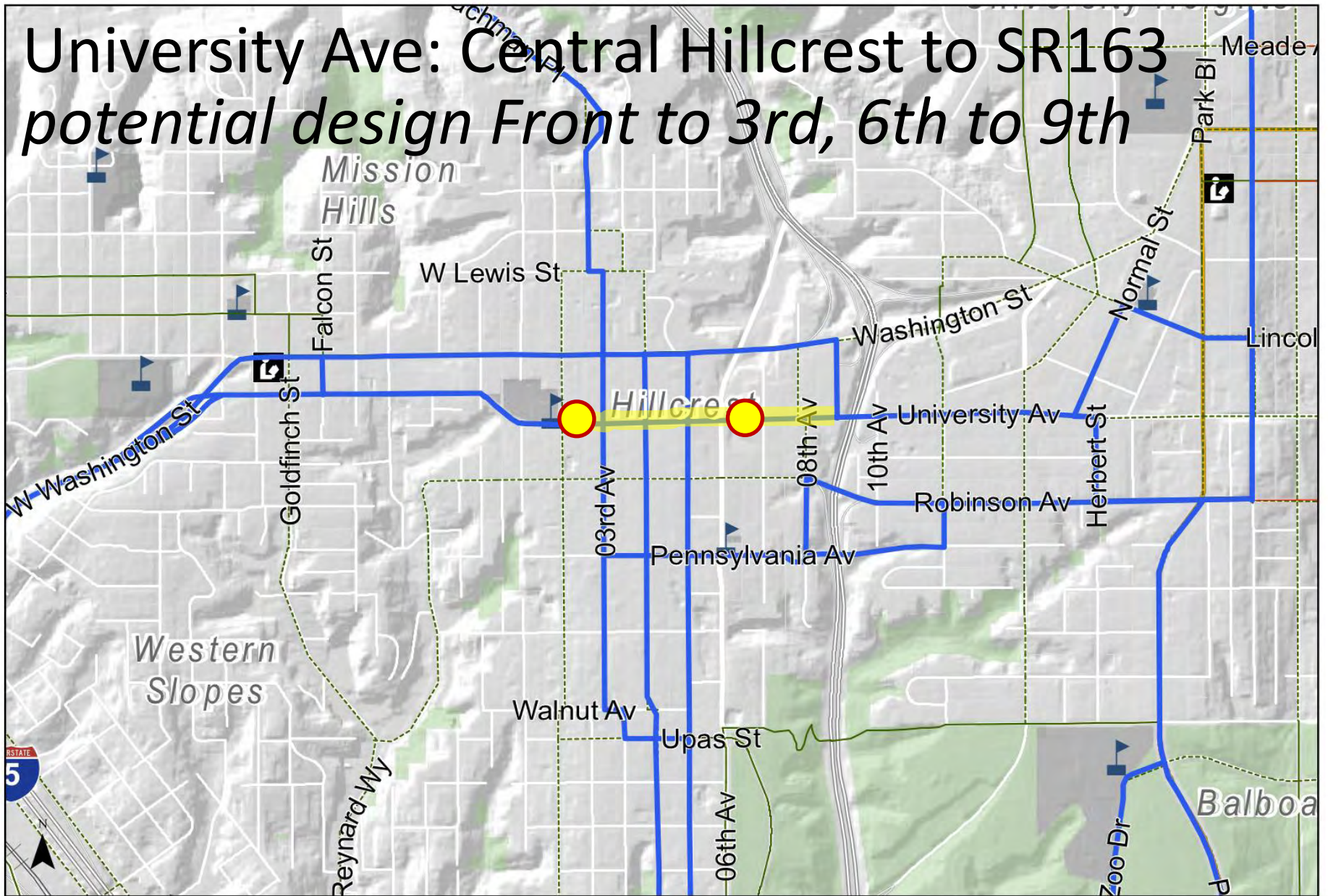


Potential





University Ave: Central Hillcrest to SR163 *potential design Front to 3rd, 6th to 9th*



- Existing Bike Facility
- - - City Bike Plan Corridor
- Regional Bike Plan Corridor

- Alignments
- Rapid Bus

- Park
- Rail Road
- Trolley Stop
- School
- Library

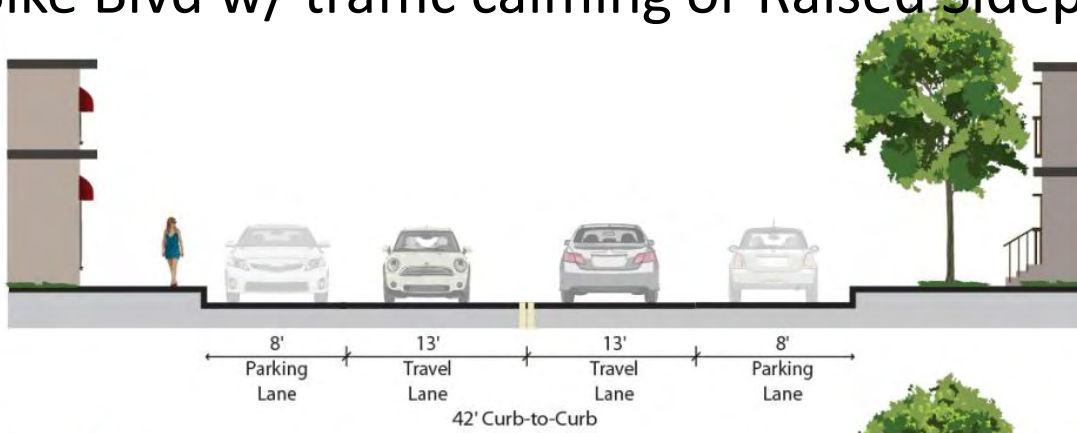
Uptown Regional Bike Corridor Project

Tier III Alignments

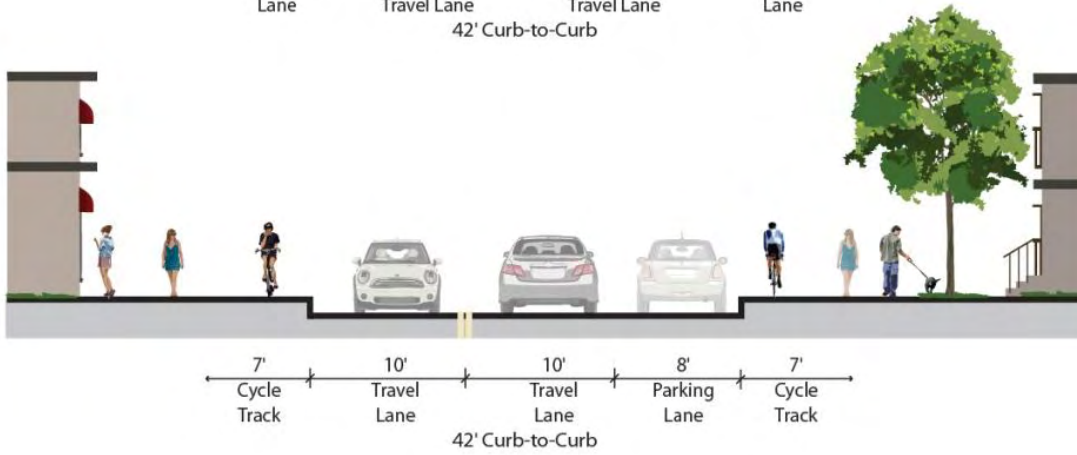
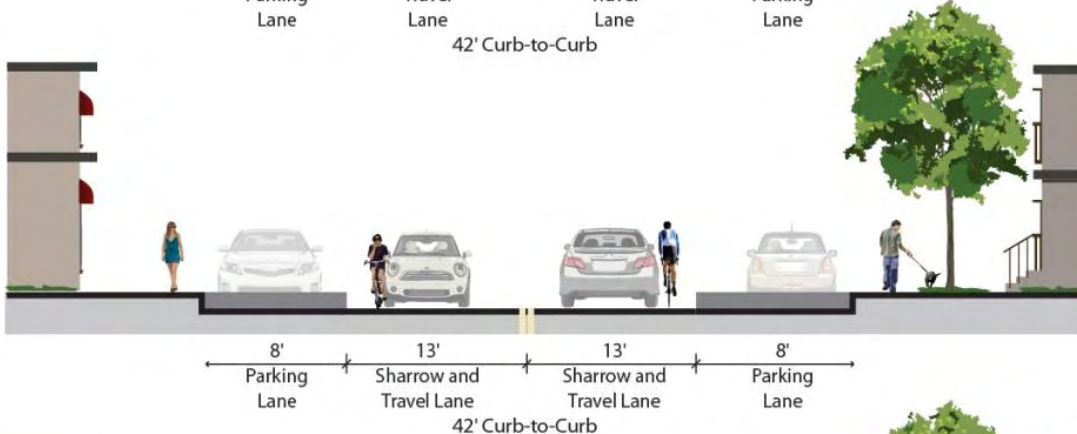
University Ave: Front St to 3rd Ave

Potential: Bike Blvd w/ traffic calming or Raised Sidepath

Existing



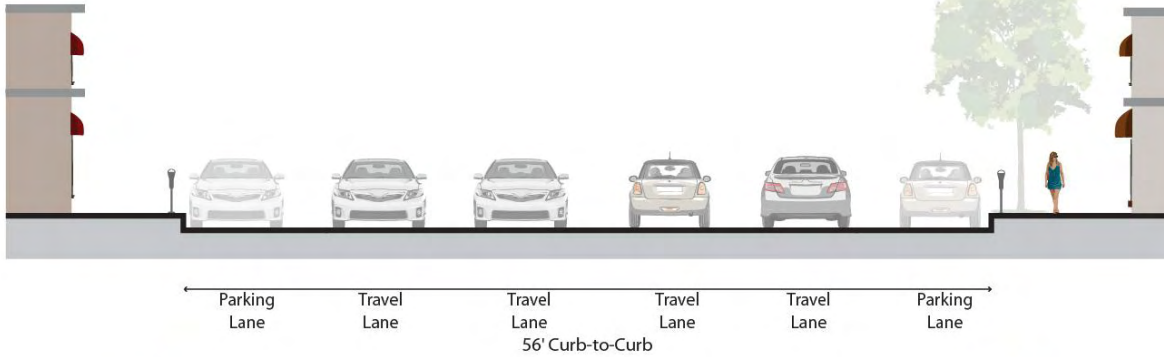
Potential



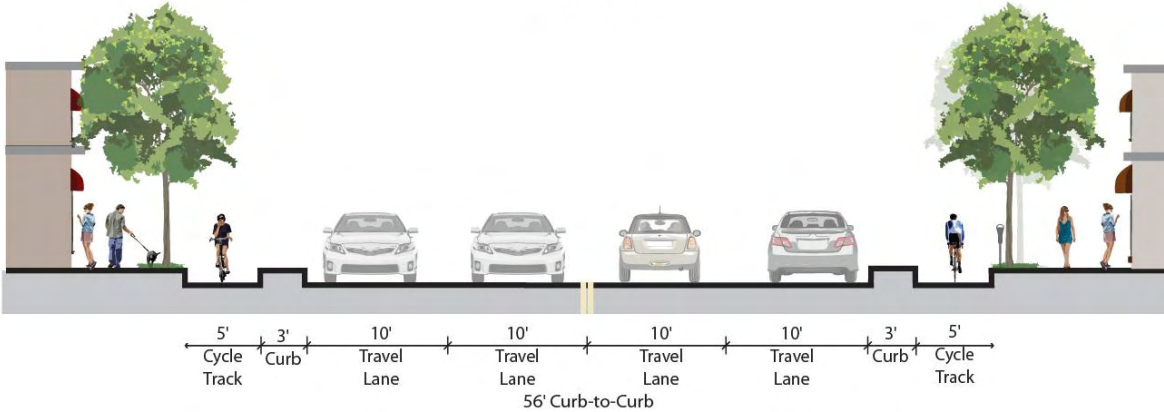
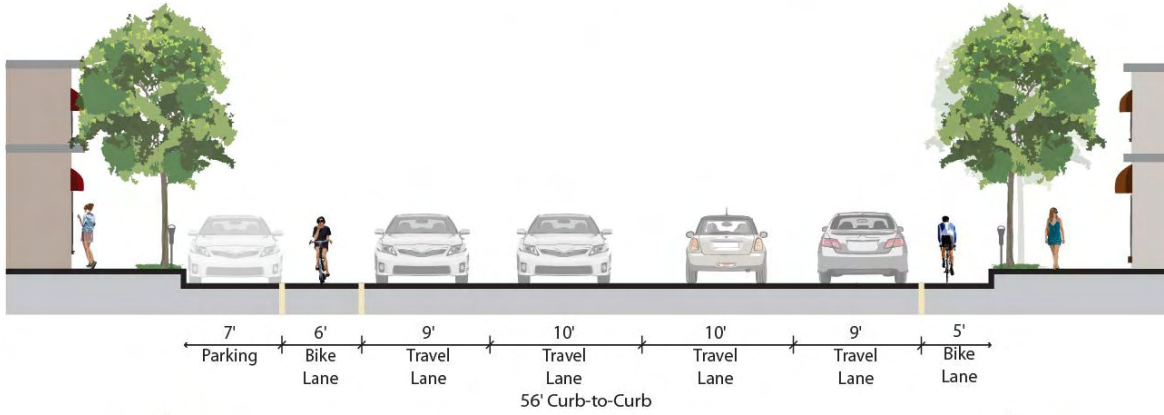
University Ave: 6th to 9th

Potential: Bike Lanes or Protected Bikeway

Existing

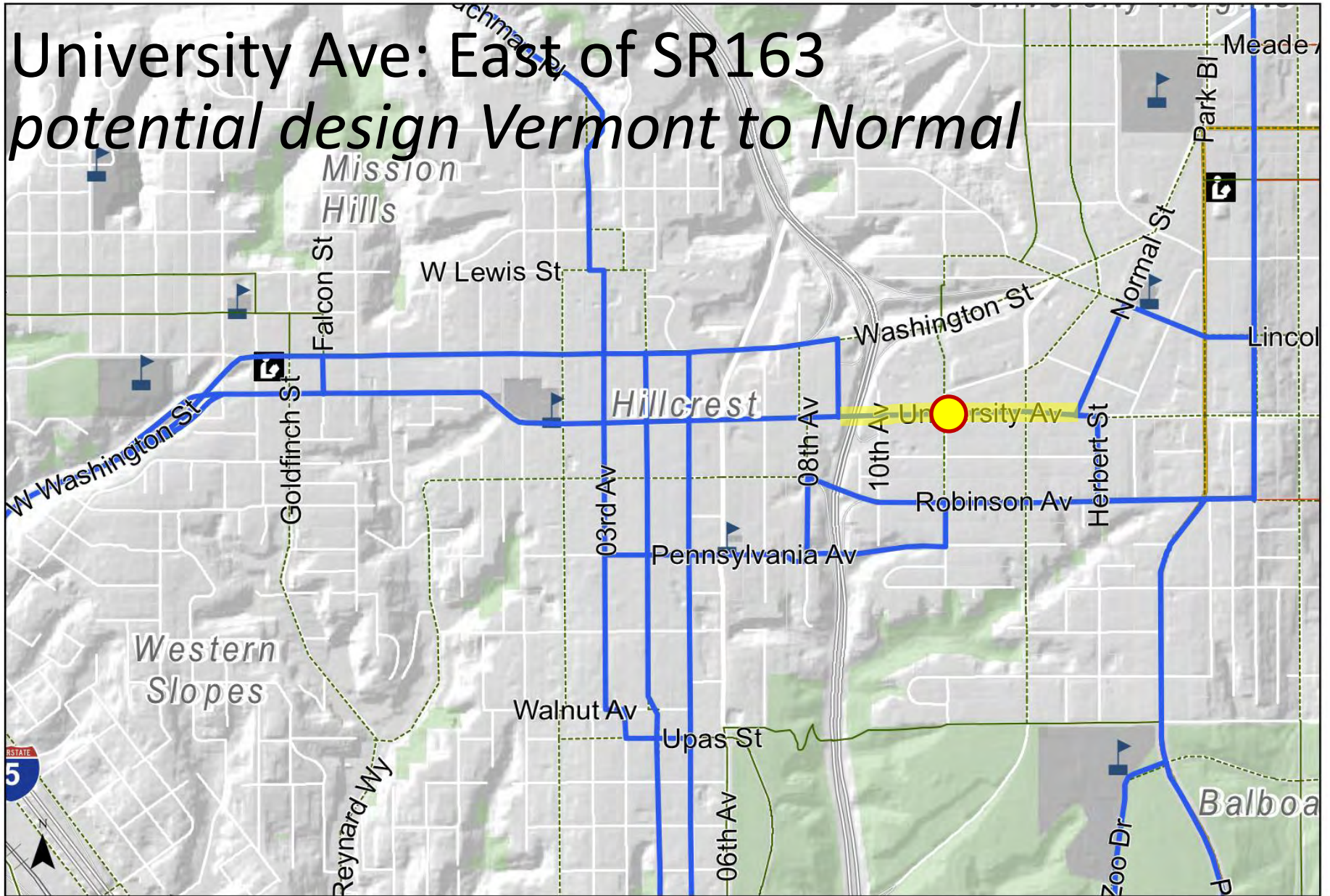


Potential





University Ave: East of SR163 potential design Vermont to Normal



Uptown Regional Bike Corridor Project

Tier III Alignments

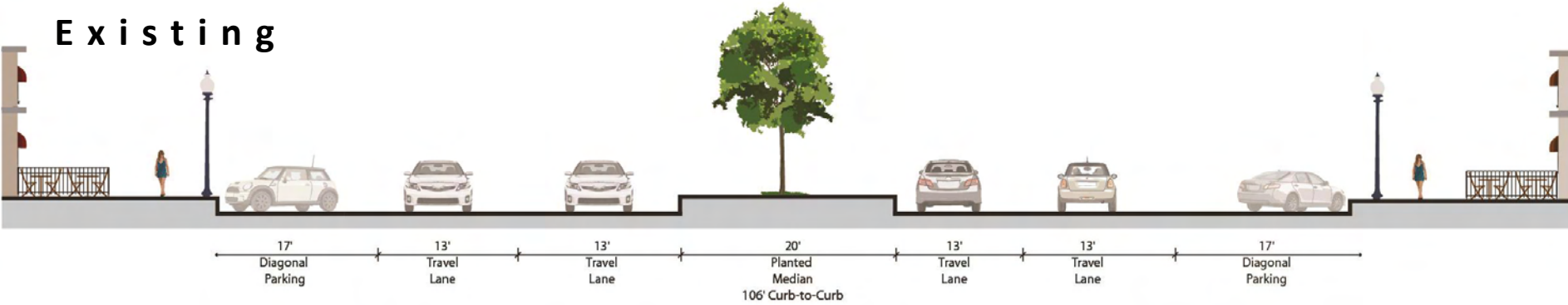
- Existing Bike Facility
- - - City Bike Plan Corridor
- Regional Bike Plan Corridor
- Alignments
- Rapid Bus
- Park
- Rail Road
- Trolley Stop
- School
- Library



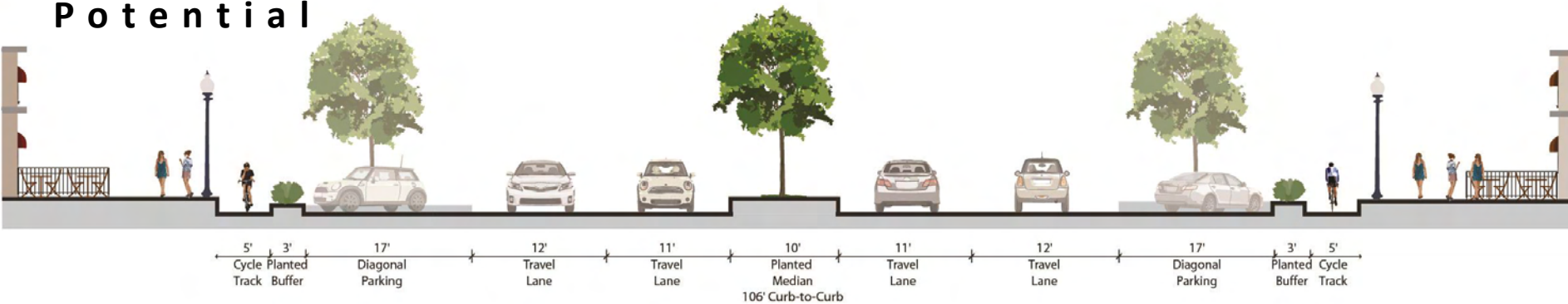
University Ave: Vermont St to Normal

Potential: Protected Bikeway w/ landscaped bulb outs

Existing

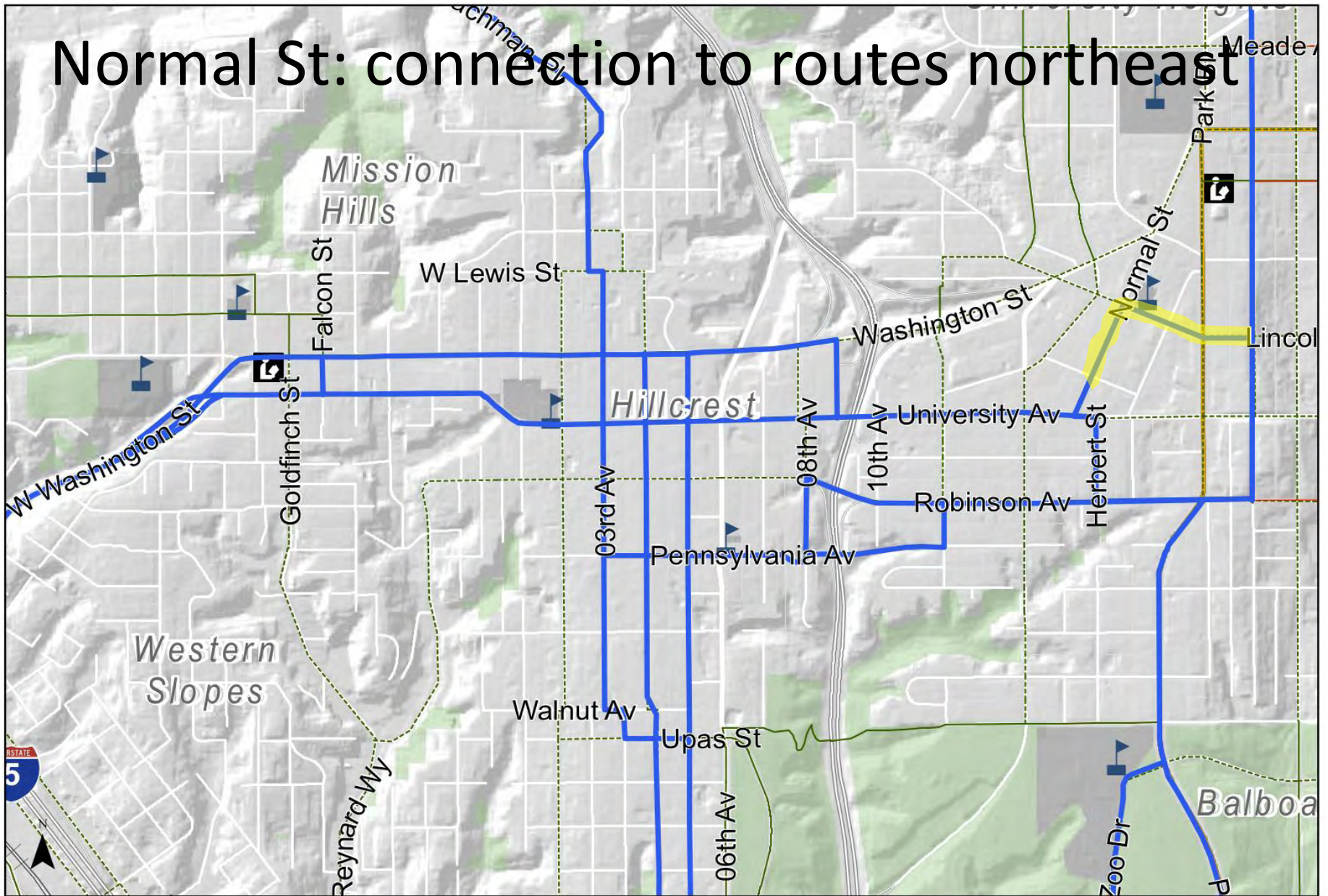


Potential





Normal St: connection to routes northeast



- Existing Bike Facility
- - - City Bike Plan Corridor
- Regional Bike Plan Corridor

- Alignments
- Rapid Bus

- Park
- +— Rail Road
- Trolley Stop
- School
- Library

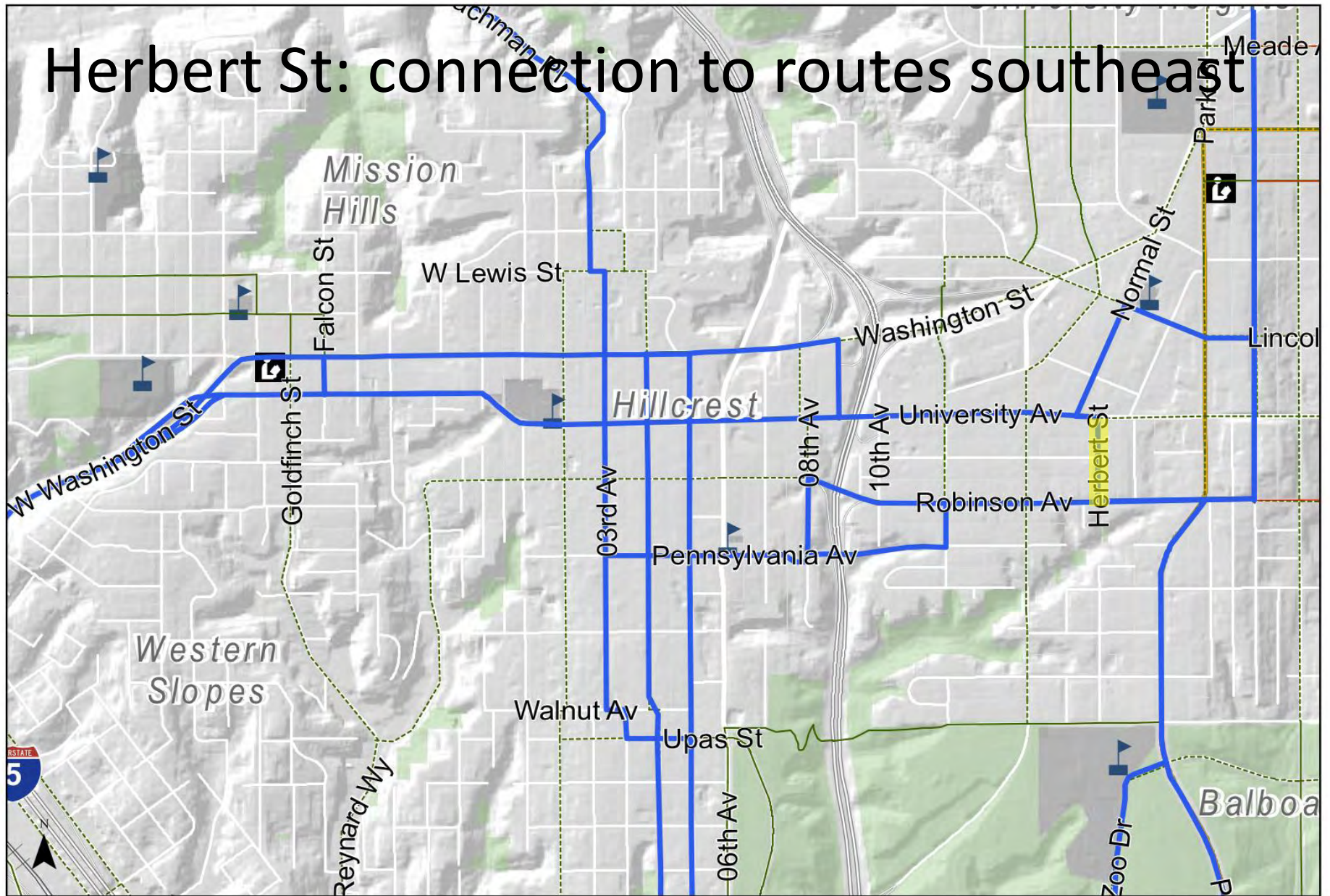
Uptown Regional Bike Corridor Project

Tier III Alignments





Herbert St: connection to routes southeast



- Existing Bike Facility
- - - City Bike Plan Corridor
- - - Regional Bike Plan Corridor

- Alignments
- Rapid Bus

- Park
- Rail Road
- Trolley Stop
- School
- Library

Uptown Regional Bike Corridor Project

Tier III Alignments

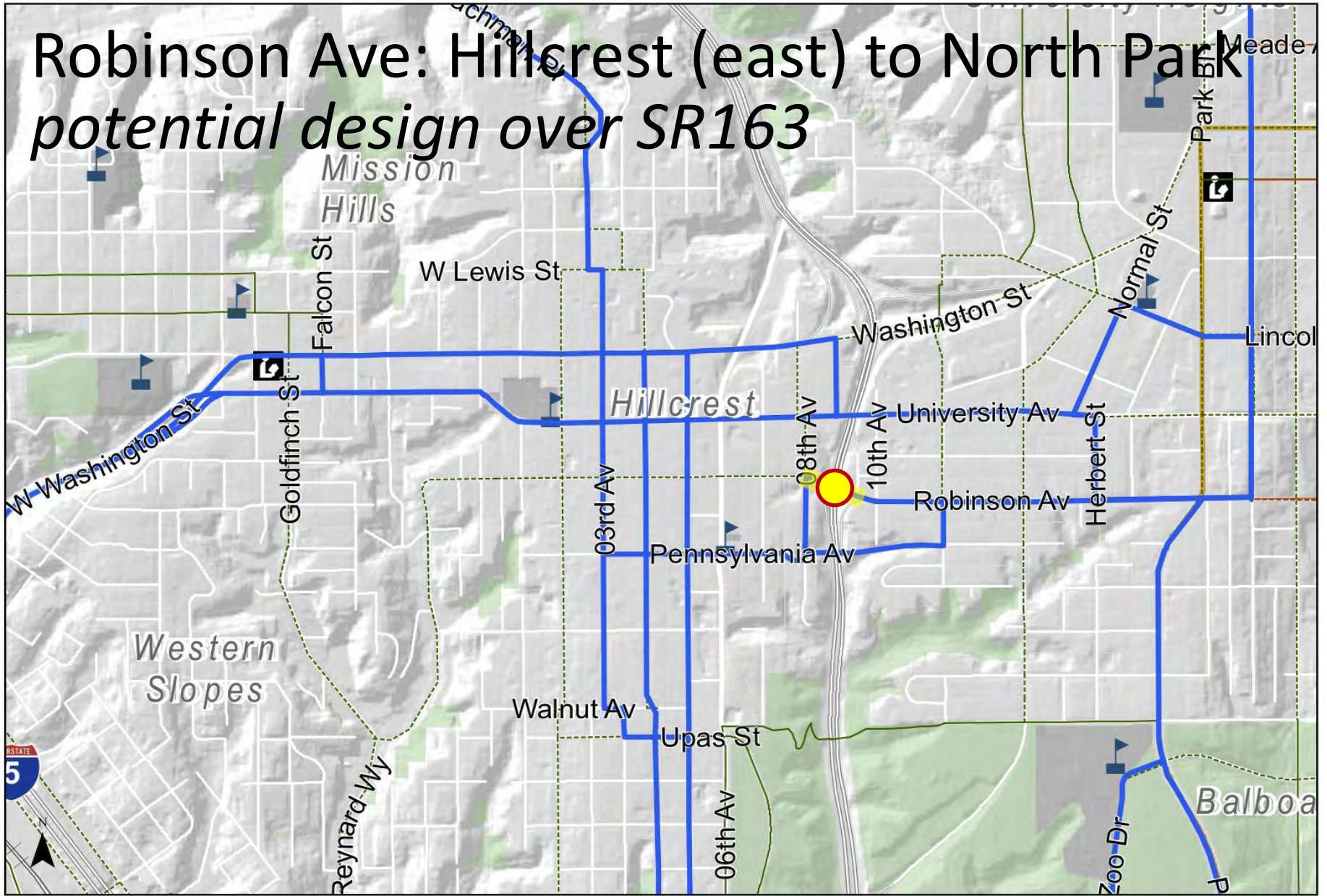




BLVD

BLVD
Bicycle symbol and arrow

Robinson Ave: Hillcrest (east) to North Park *potential design over SR163*



- Existing Bike Facility
- - - City Bike Plan Corridor
- Regional Bike Plan Corridor

- Alignments
- Rapid Bus

- Park
- Rail Road

- Trolley Stop
- School
- Library

Uptown Regional Bike Corridor Project

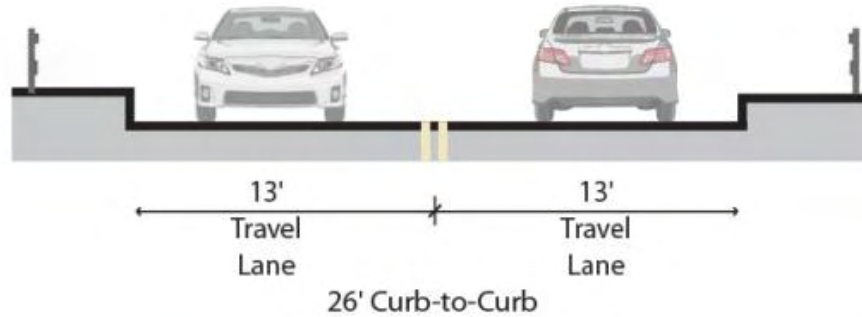
Tier III Alignments



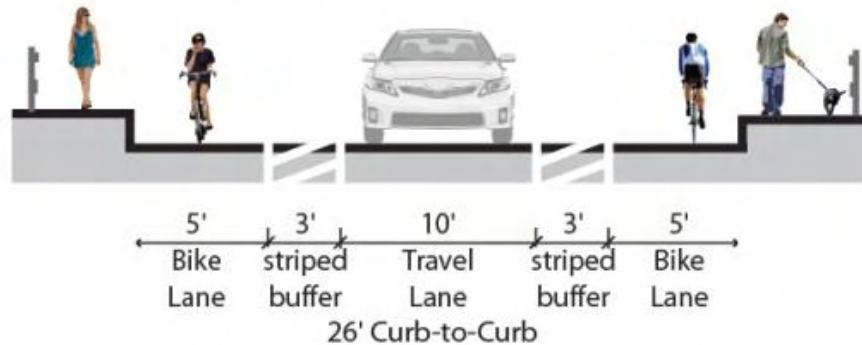
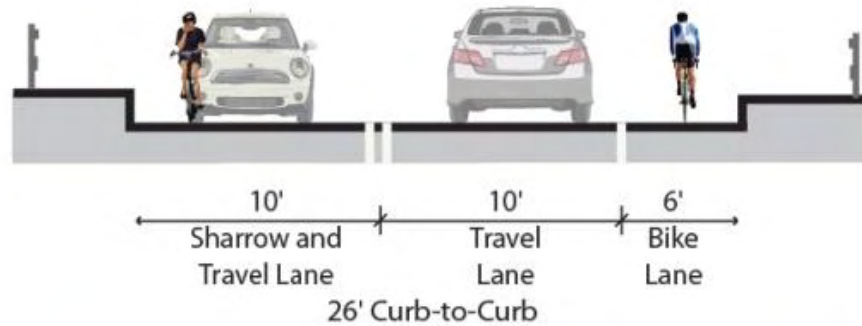
Robinson Ave: SR163 Bridge

Potential: Shared lane w/ bike lane or one lane w/ buffered bike lane

Existing

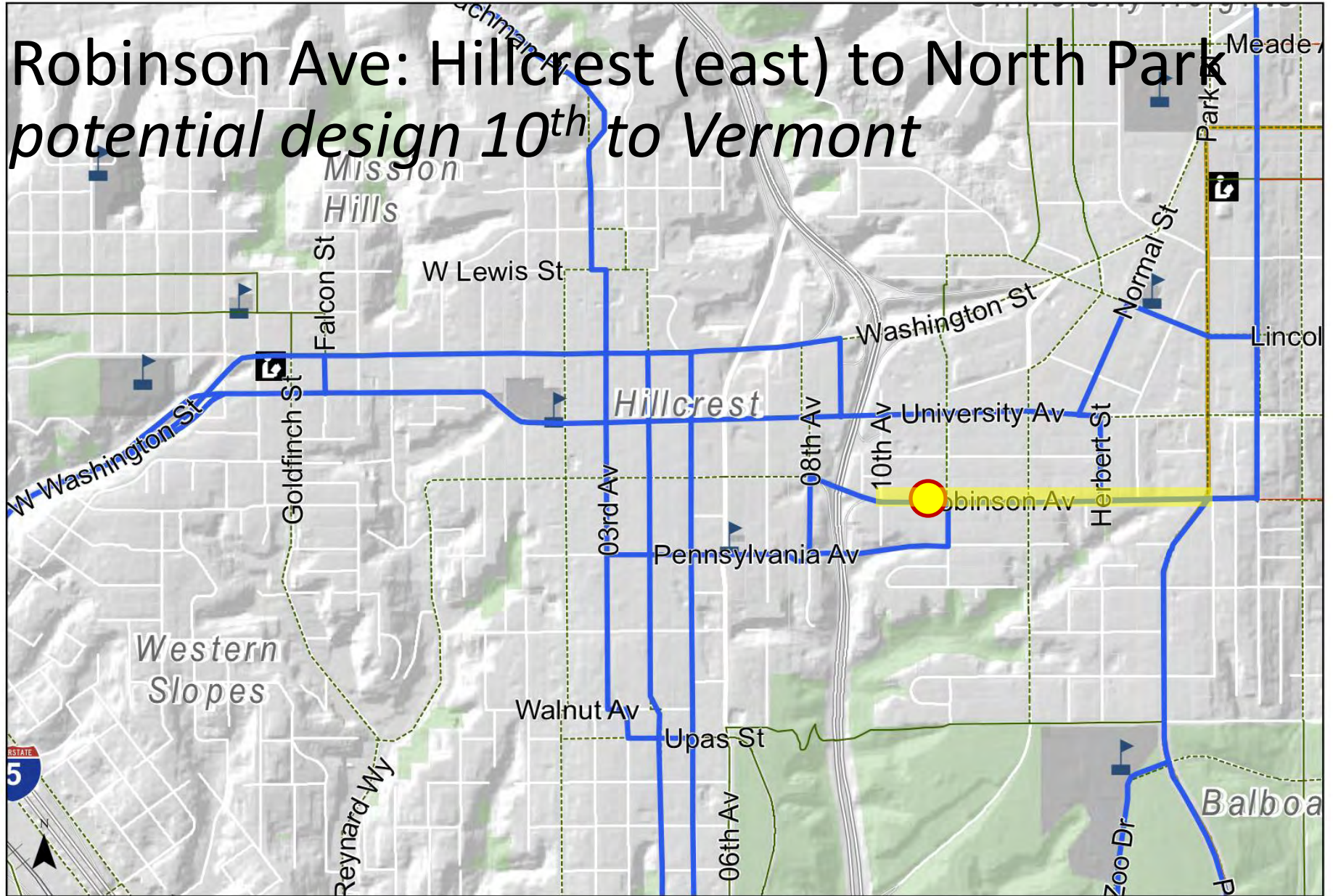


Potential





Robinson Ave: Hillcrest (east) to North Park *potential design 10th to Vermont*



- Existing Bike Facility
- - - City Bike Plan Corridor
- Regional Bike Plan Corridor

- Alignments
- Rapid Bus

- Park
- Rail Road
- Trolley Stop
- School
- Library

Uptown Regional Bike Corridor Project

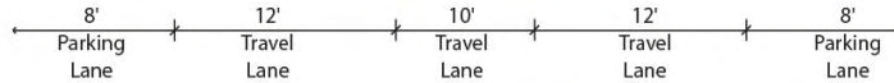
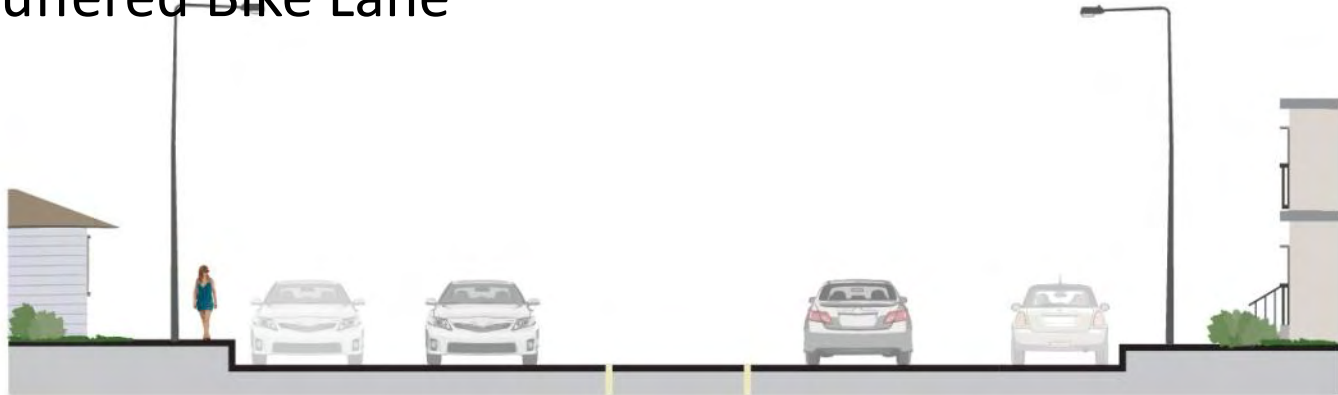
Tier III Alignments



Robinson Ave: 10th Ave to Vermont St

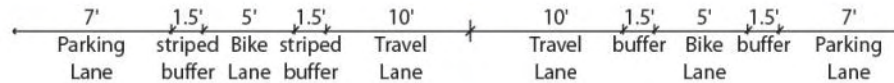
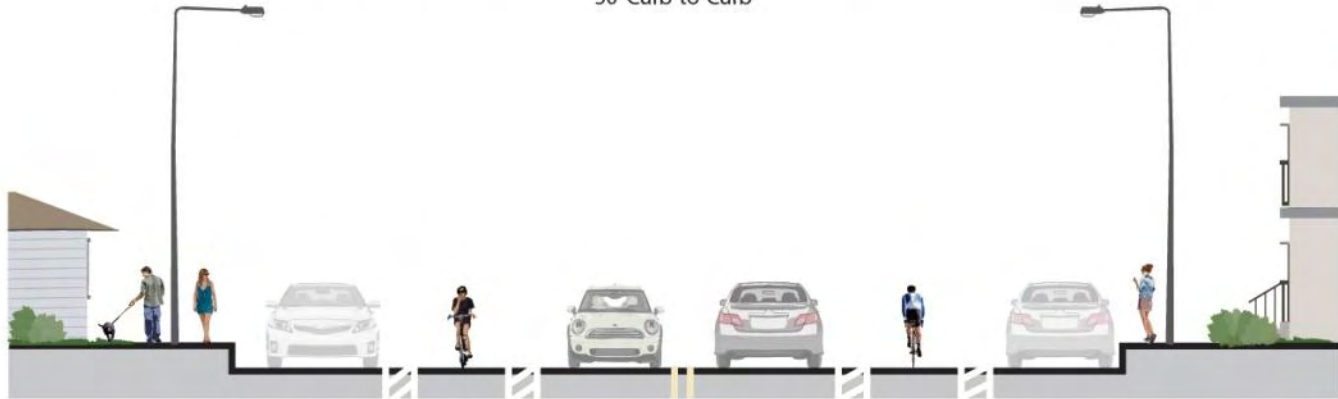
Potential: Buffered Bike Lane

Existing



50' Curb-to-Curb

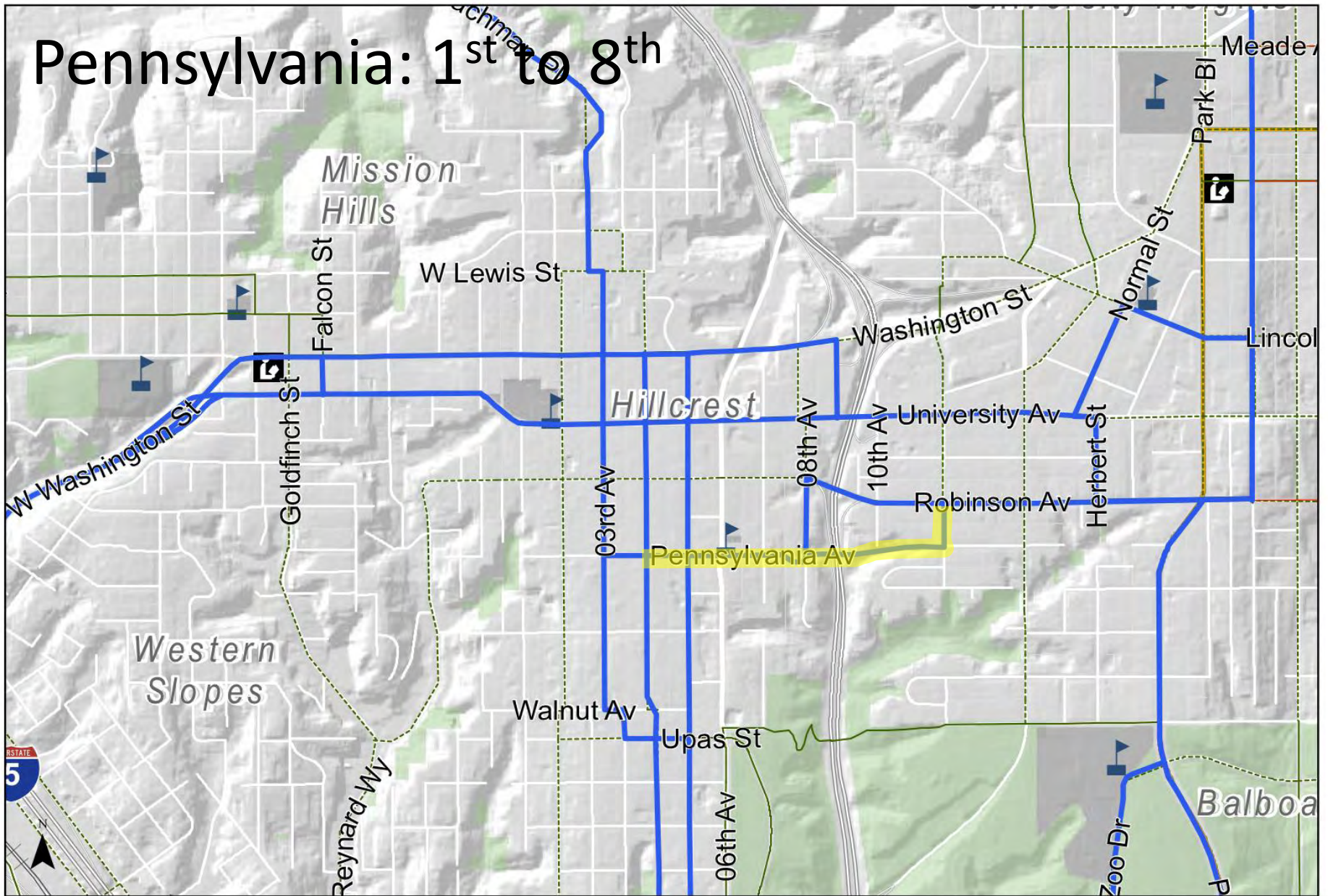
Potential



50' Curb-to-Curb



Pennsylvania: 1st to 8th



- Existing Bike Facility
- - - City Bike Plan Corridor
- Regional Bike Plan Corridor

- Alignments
- Rapid Bus

- Park
- Rail Road
- Trolley Stop
- School
- Library

Uptown Regional Bike Corridor Project

Tier III Alignments



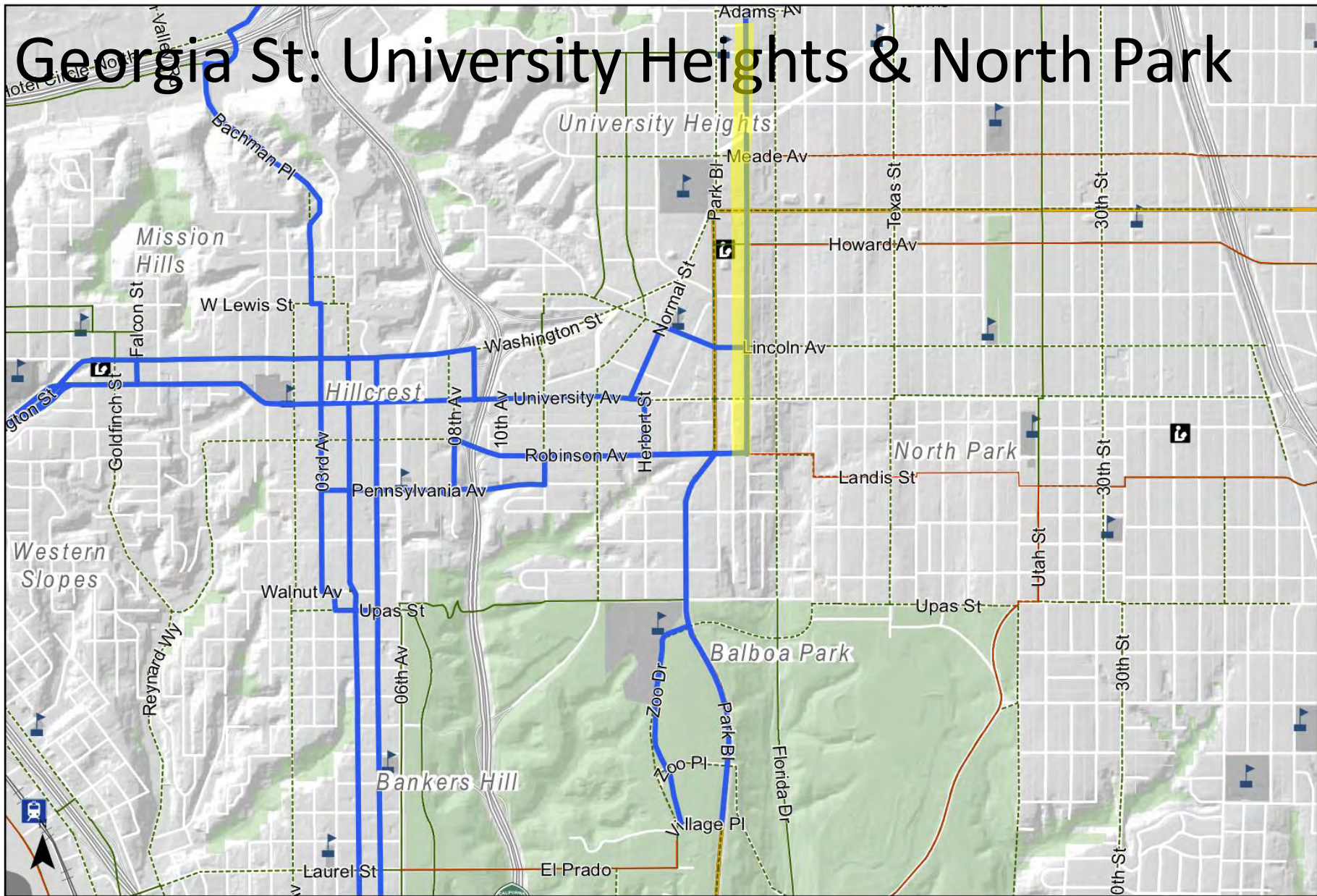


FINAL SET: NORTH / SOUTH OPTIONS

University Heights>North Park>Hillcrest>Balboa Park

- Georgia St
- Park Blvd

Georgia St: University Heights & North Park



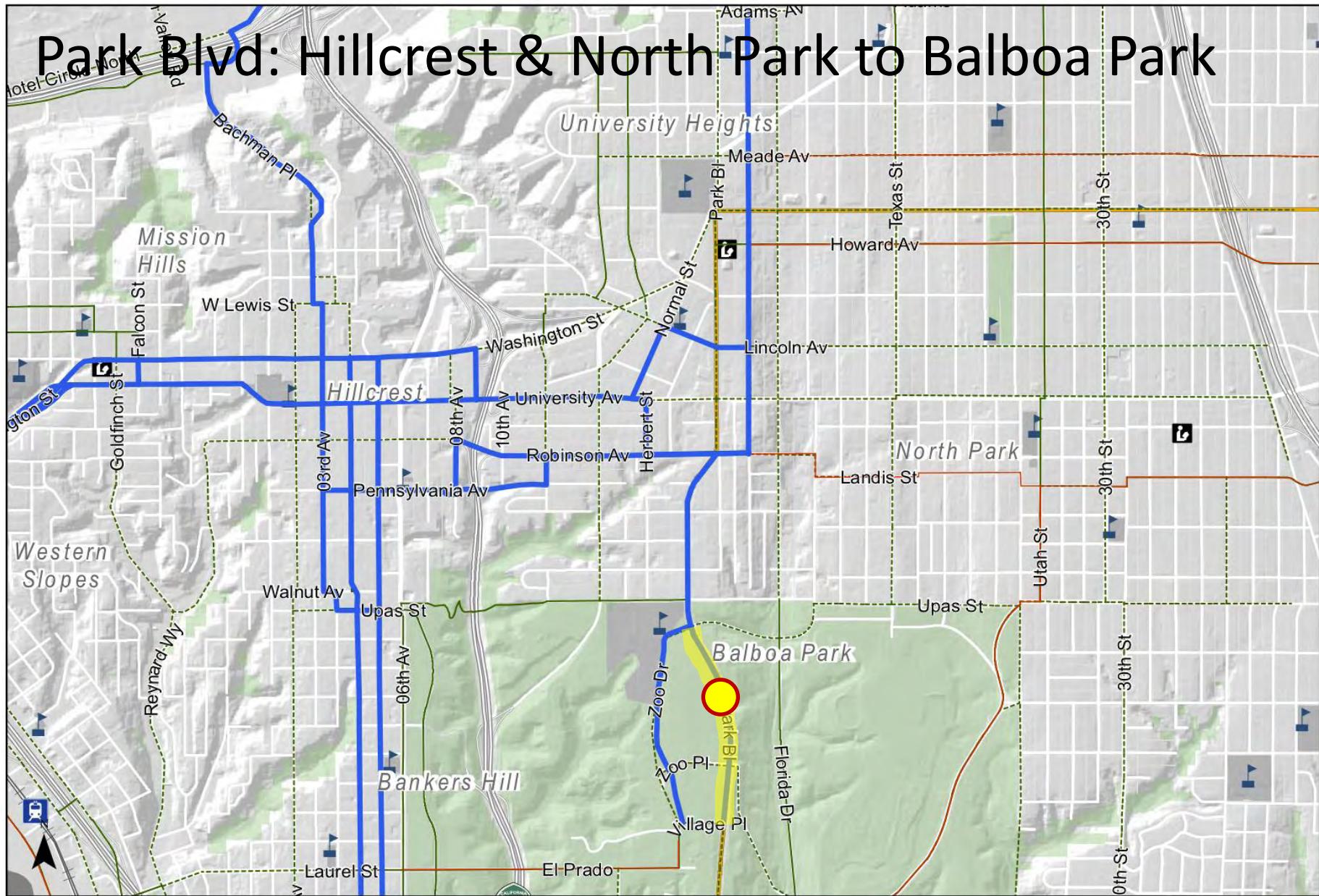
- Existing Bike Facility
- - - City Bike Plan Corridor
- Regional Bike Plan Corridor
- Alignments
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Uptown Regional Bike Corridor Project

Tier III Alignments



Park Blvd: Hillcrest & North Park to Balboa Park



- Existing Bike Facility
- - - City Bike Plan Corridor
- Regional Bike Plan Corridor

- Alignments
- Rapid Bus

- Park
- Rail Road
- Trolley Stop
- ▲ School
- Library

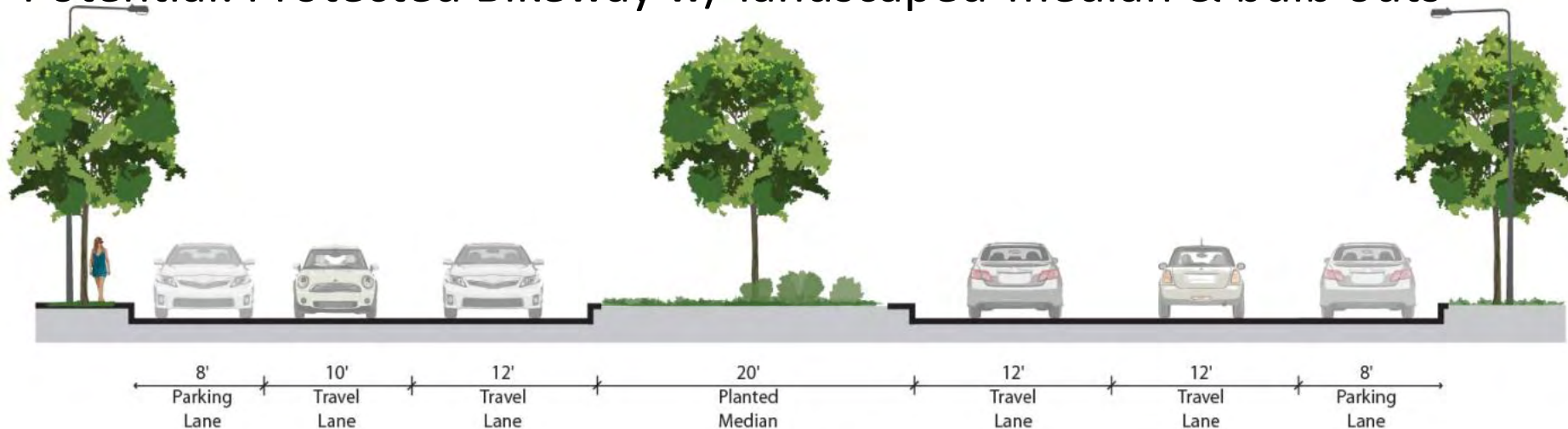
Uptown Regional Bike Corridor Project

Tier III Alignments

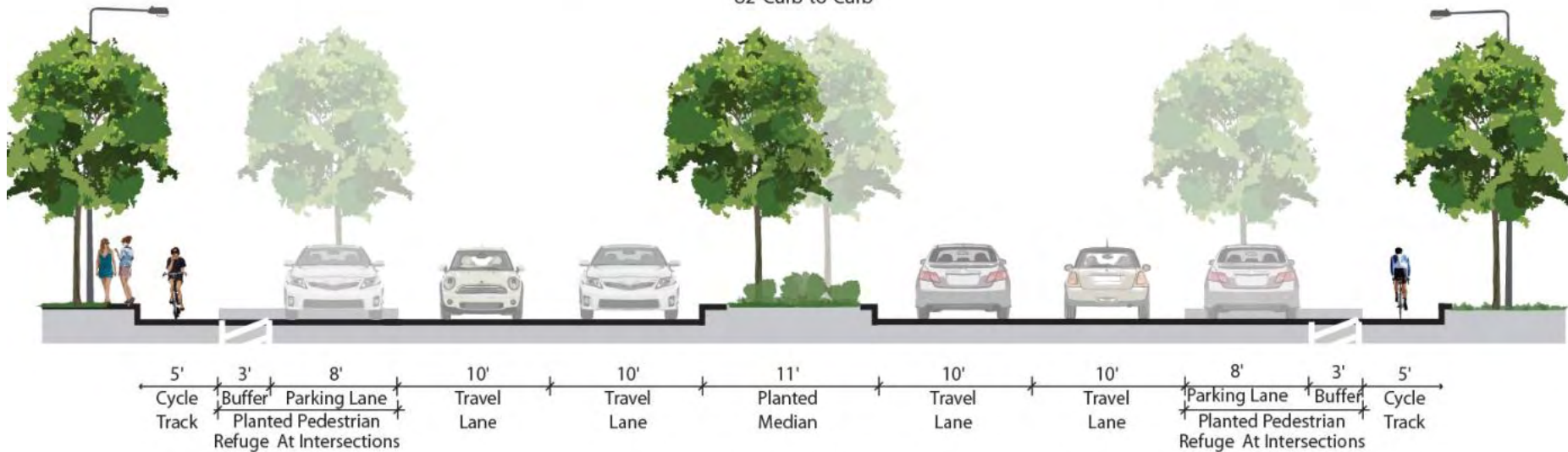


Park Blvd: Upas to Zoo Pl

Potential: Protected Bikeway w/ landscaped median & bulb outs



82' Curb-to-Curb



82' Curb-to-Curb



LOW STRESS STREETS BENEFIT ALL USERS





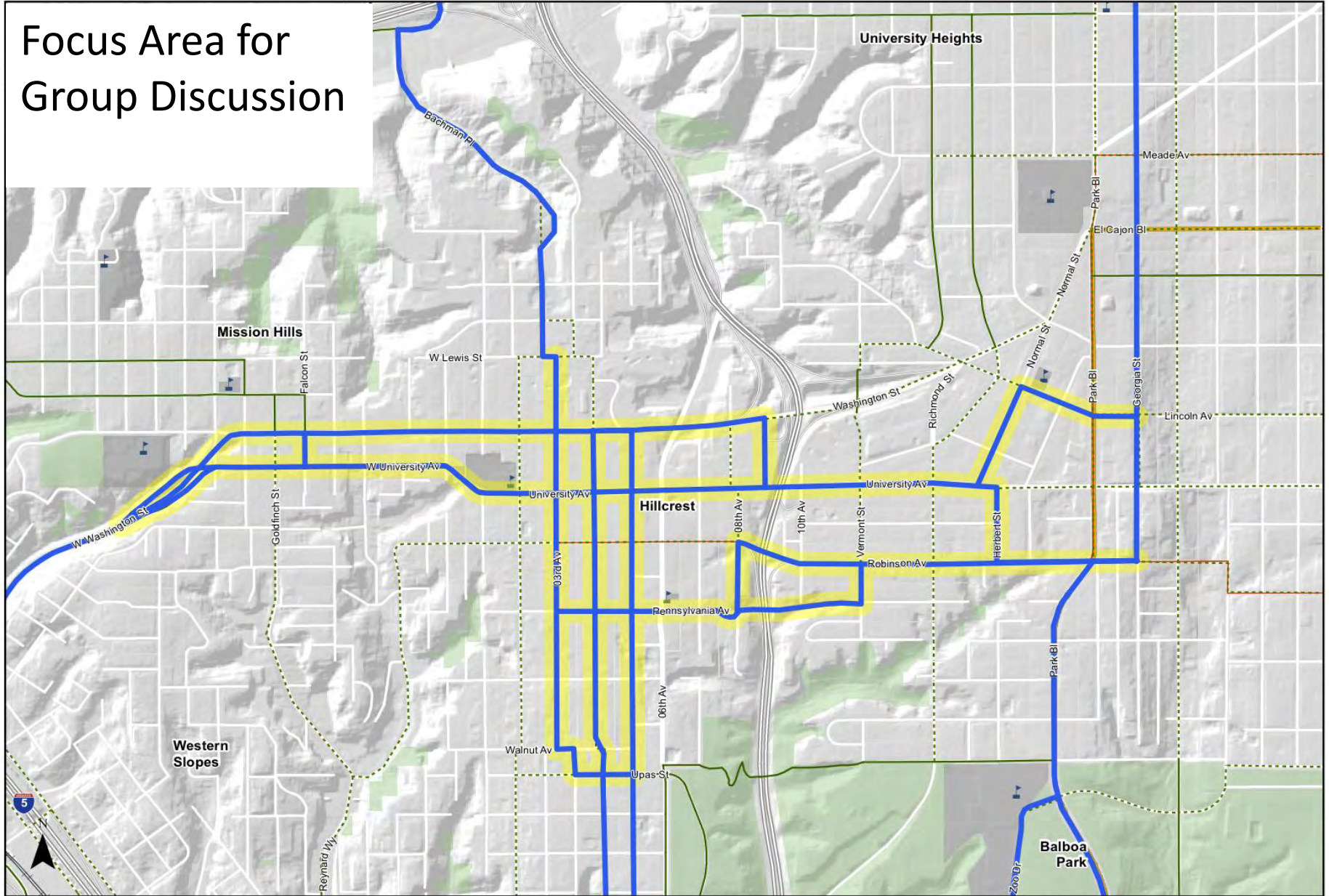
● Mobility ● Experience ● Community
● Placemaking ● Economic Development



GROUP DISCUSSION

- Four Breakout Groups
- Report Back
- Group Discussion

Focus Area for Group Discussion



- Existing Bike Facility
- City Bike Plan Corridor
- Regional Bike Plan Corridor

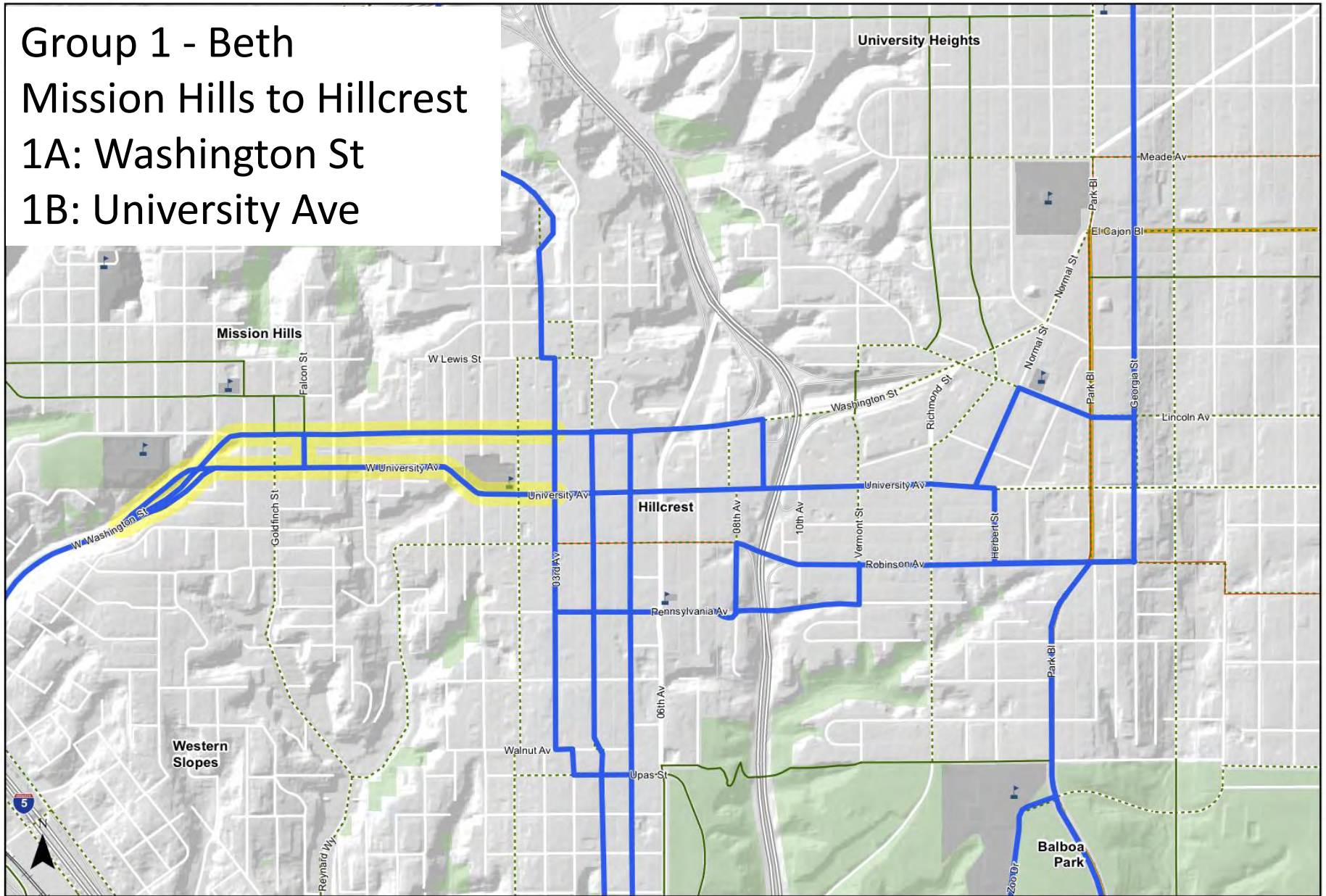
- Alignments
- Rapid Bus

- Park
- Rail Road
- Trolley Stop
- School
- Library

Uptown Regional Bike Corridor Project

Tier III Alignments

Group 1 - Beth
 Mission Hills to Hillcrest
 1A: Washington St
 1B: University Ave

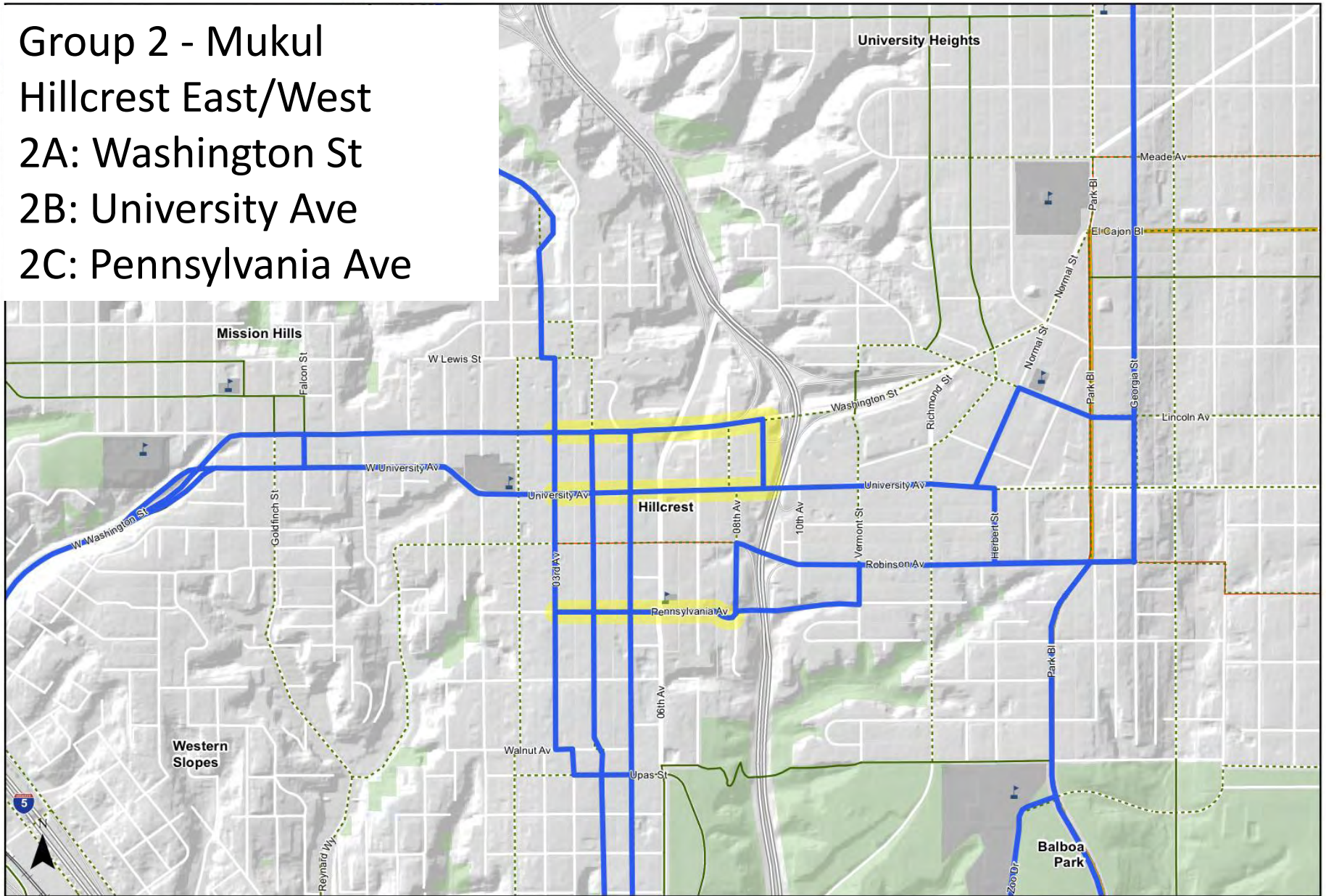


Uptown Regional Bike Corridor Project

Tier III Alignments

- Existing Bike Facility
- Alignments
- Park
- Trolley Stop
- - - City Bike Plan Corridor
- Rapid Bus
- + Rail Road
- School
- Regional Bike Plan Corridor
- Library

Group 2 - Mukul Hillcrest East/West
 2A: Washington St
 2B: University Ave
 2C: Pennsylvania Ave



- Existing Bike Facility
- - - City Bike Plan Corridor
- Regional Bike Plan Corridor

- Alignments
- Rapid Bus

- Park
- +— Rail Road
- Trolley Stop
- School
- Library

Uptown Regional Bike Corridor Project

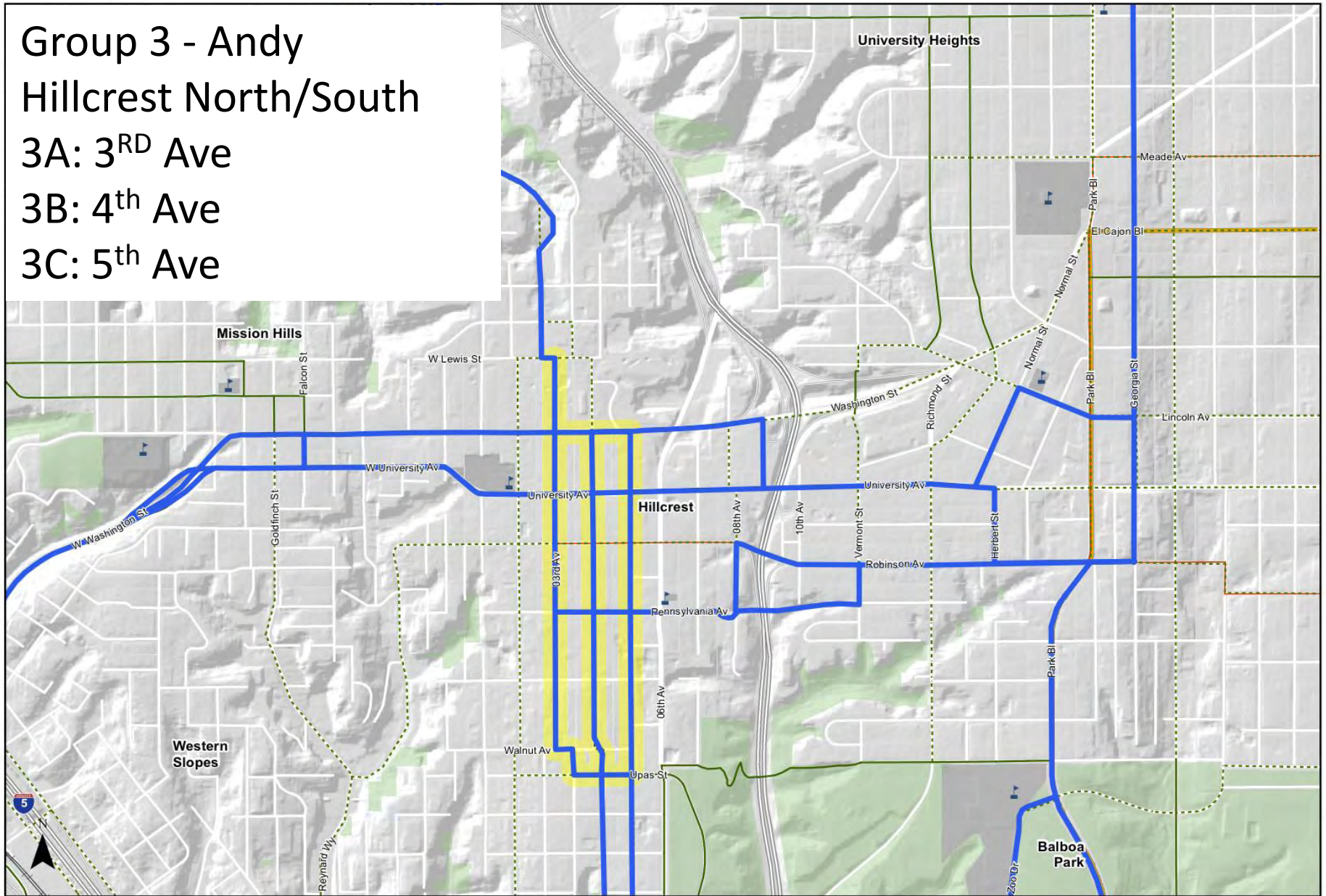
Tier III Alignments

Group 3 - Andy Hillcrest North/South

3A: 3RD Ave

3B: 4th Ave

3C: 5th Ave



- Existing Bike Facility
- - - City Bike Plan Corridor
- - - Regional Bike Plan Corridor

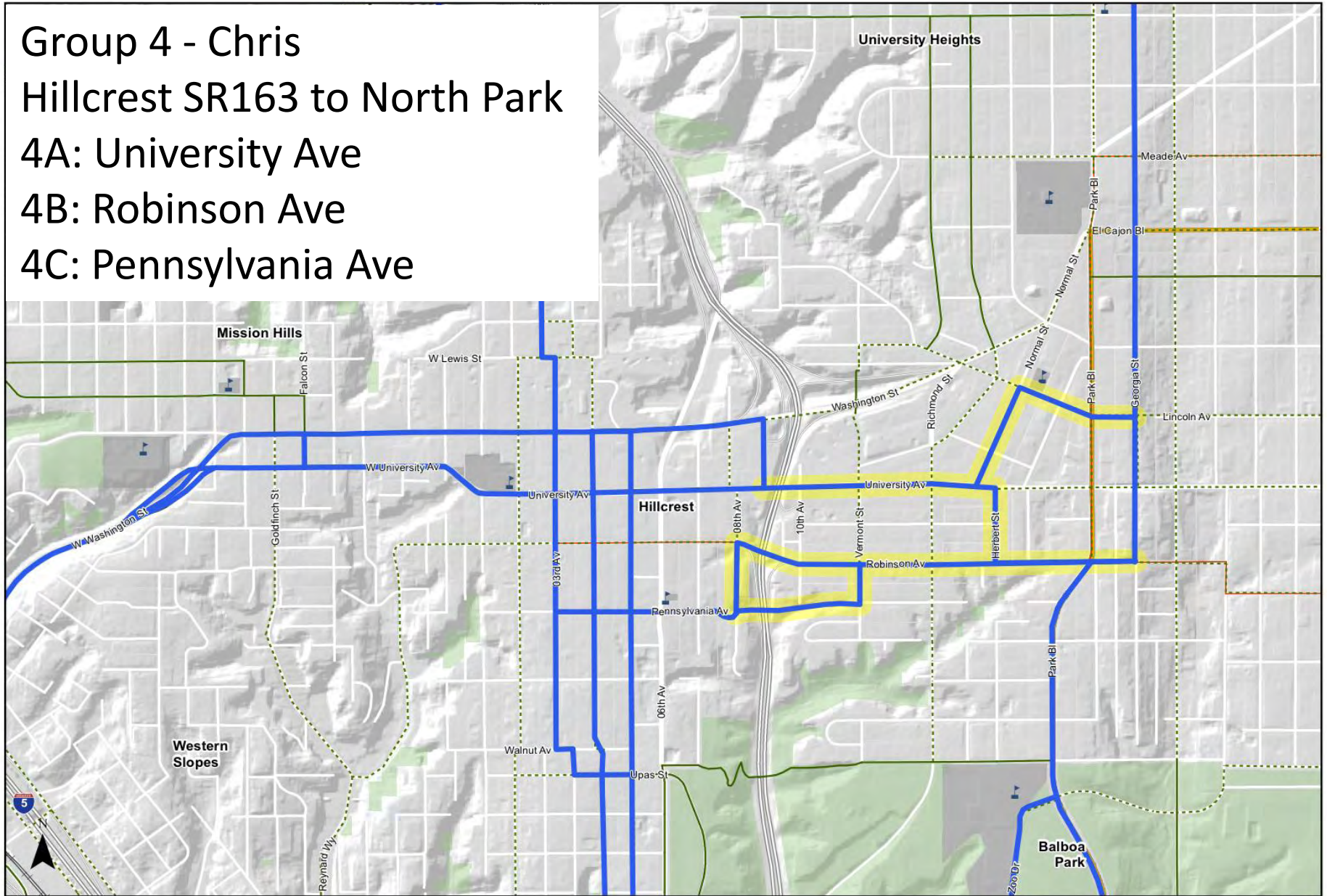
- Alignments
- Rapid Bus

- Park
- +— Rail Road
- Trolley Stop
- School
- Library

Uptown Regional Bike Corridor Project

Tier III Alignments

Group 4 - Chris Hillcrest SR163 to North Park
 4A: University Ave
 4B: Robinson Ave
 4C: Pennsylvania Ave



- Existing Bike Facility
- - - City Bike Plan Corridor
- - - Regional Bike Plan Corridor

- Alignments
- Rapid Bus

- Park
- Rail Road
- T Trolley Stop
- S School
- L Library

Uptown Regional Bike Corridor Project

Tier III Alignments

GROUP DISCUSSION

- Discuss the benefits, considerations and design concept for each option
- Identify additional benefits of each
- Identify additional considerations of each

NEXT STEPS

- Meeting Findings
- Update alignment analysis
- Host July 10 Community Workshop
- Conduct Tier 3 analysis
- Present the final analysis results and preferred options in late summer/early fall