

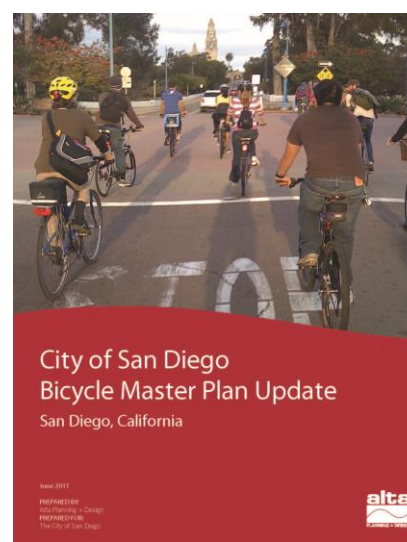
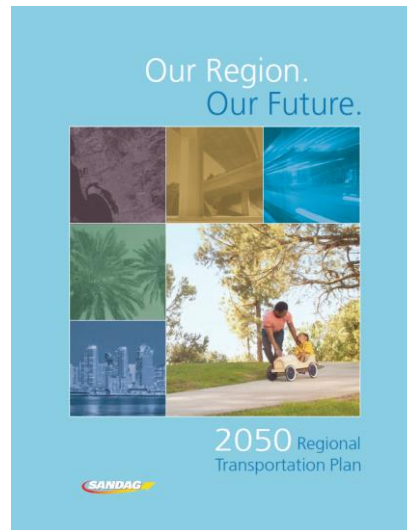
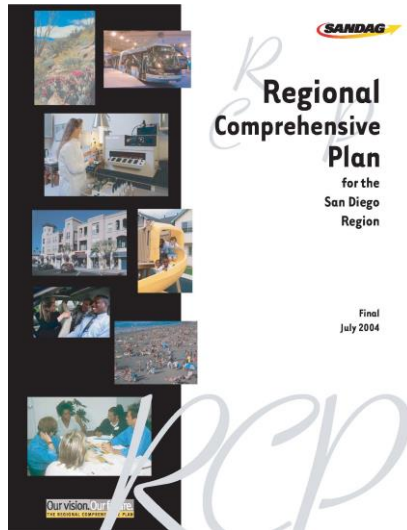
UPTOWN REGIONAL BIKE CORRIDORS

COMMUNITY WORKSHOP & OPEN HOUSE
ALTERNATIVES ANALYSIS
JULY 10, 2013

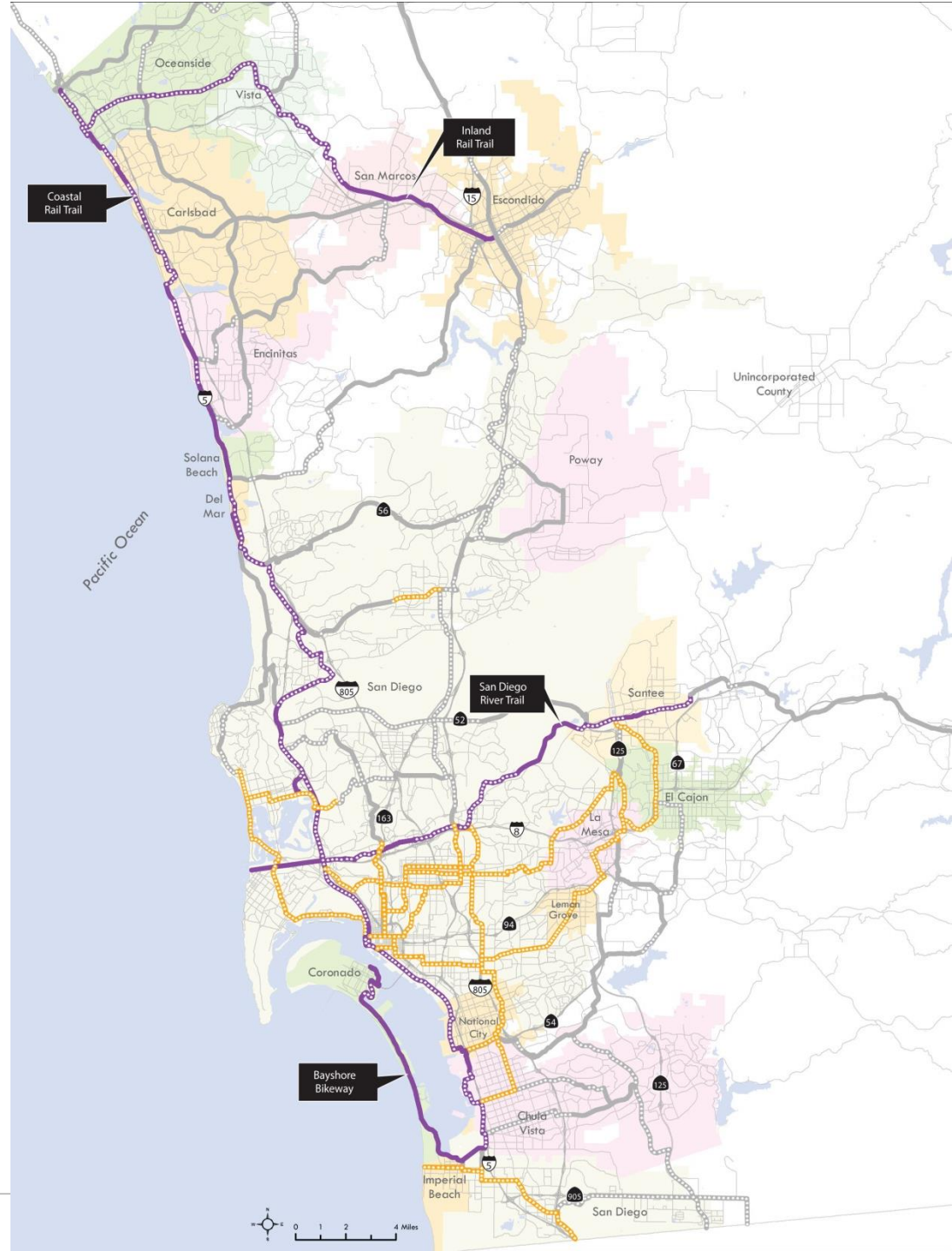
WELCOME

- I. Project Overview
- II. Alternatives Analysis Process & Outcomes
- III. Potential Designs
- IV. Next Steps

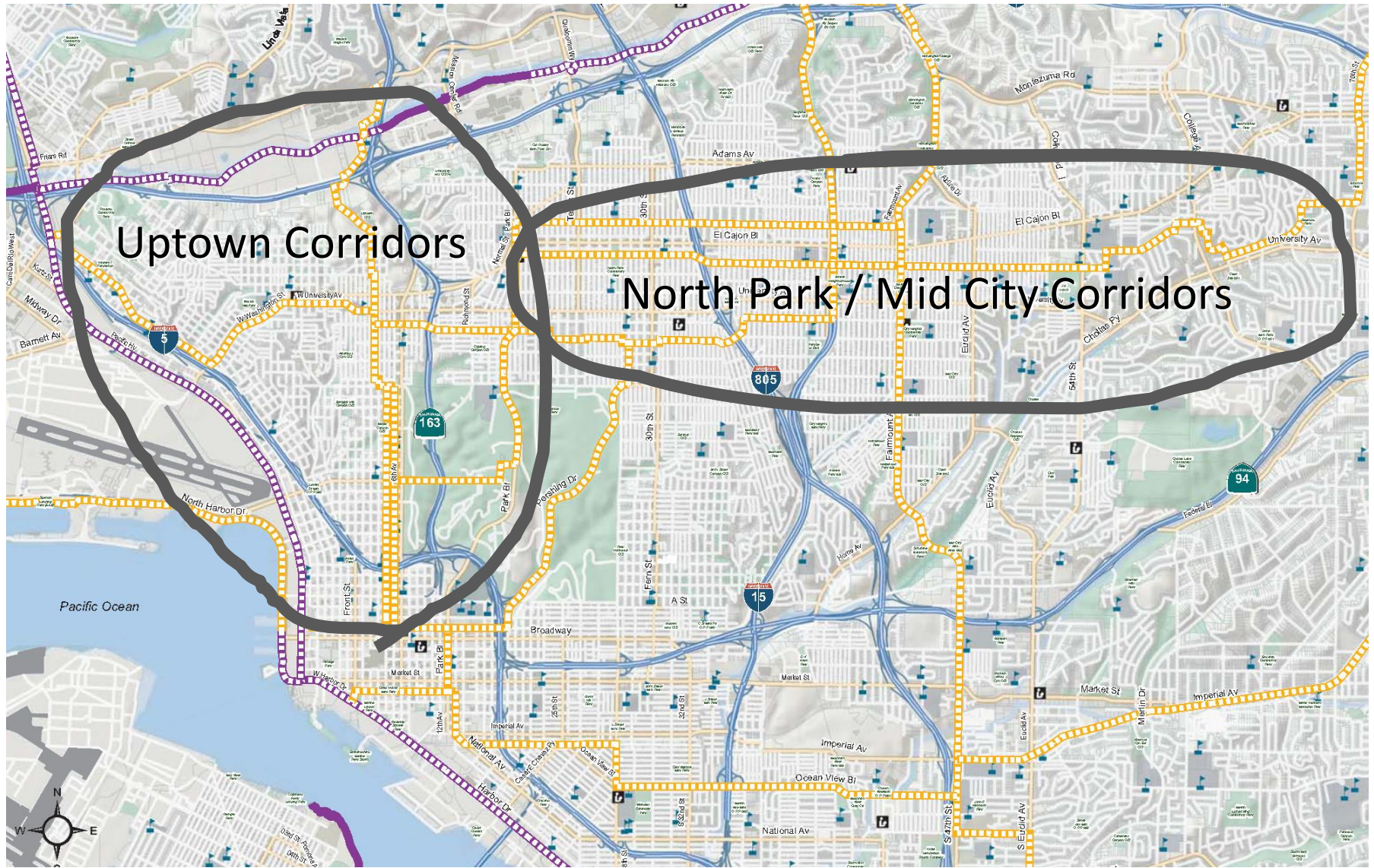
Regional Planning Background & Coordination



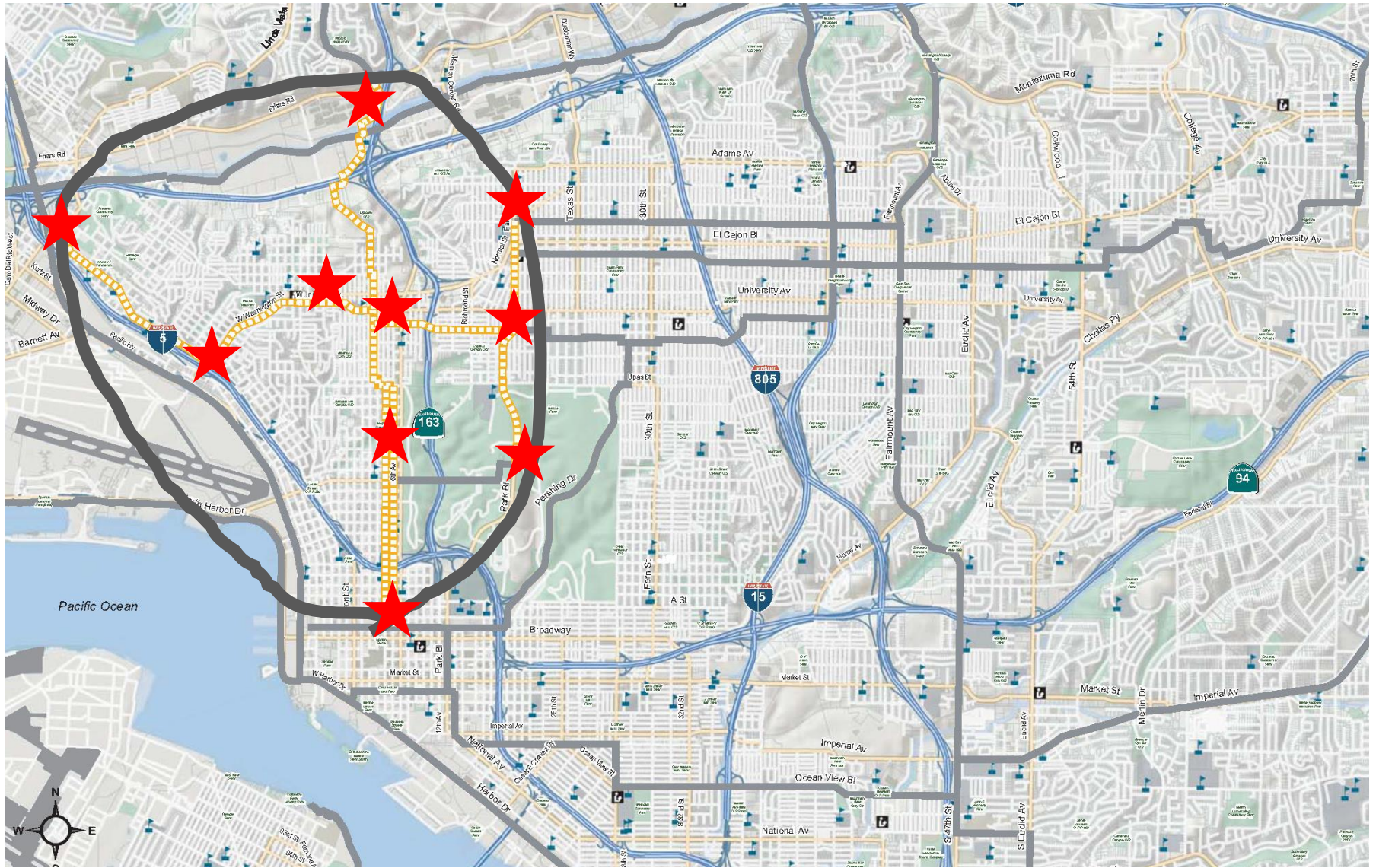
Priority Projects



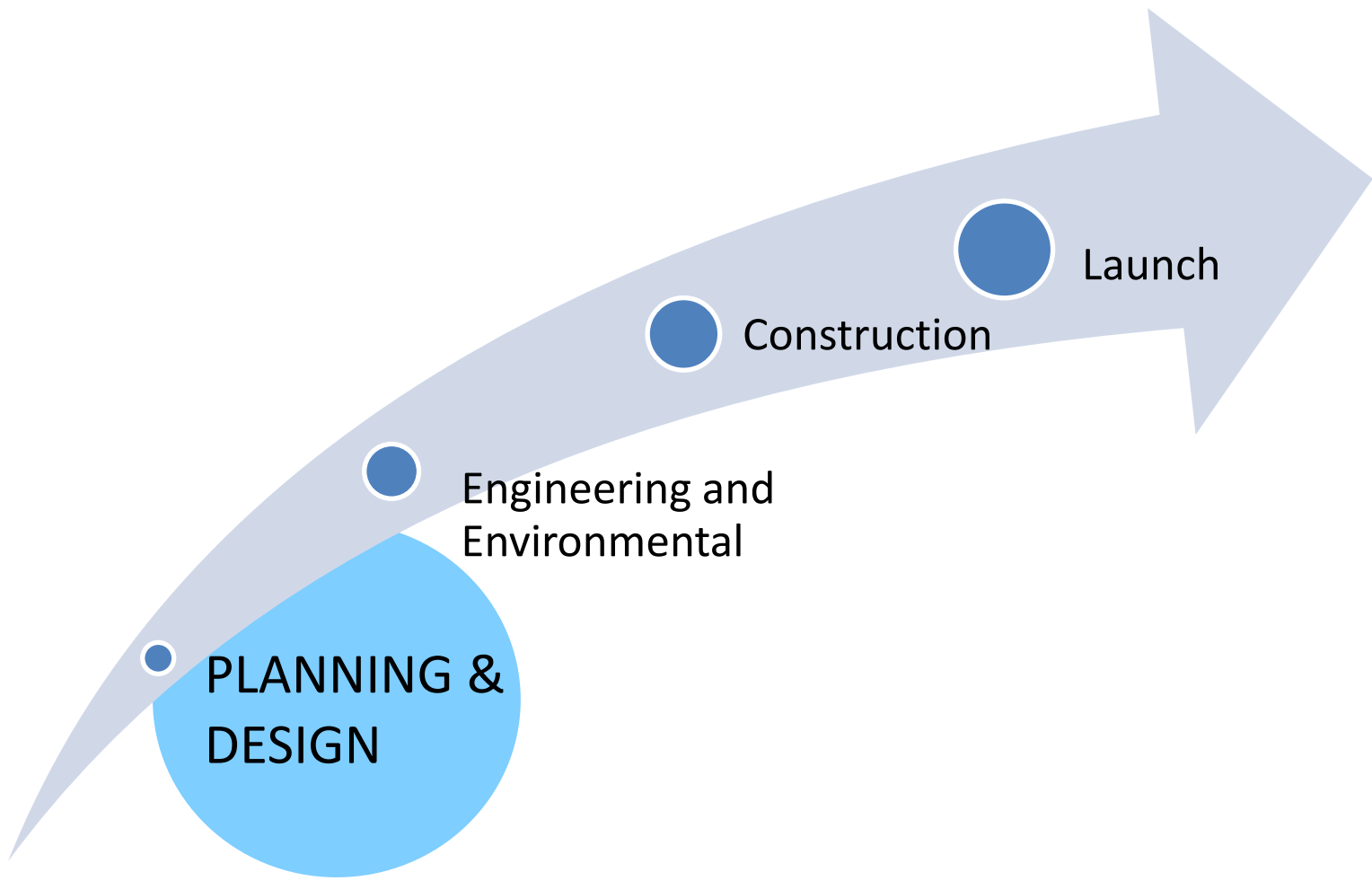
Priority Urban Projects in Design Phase



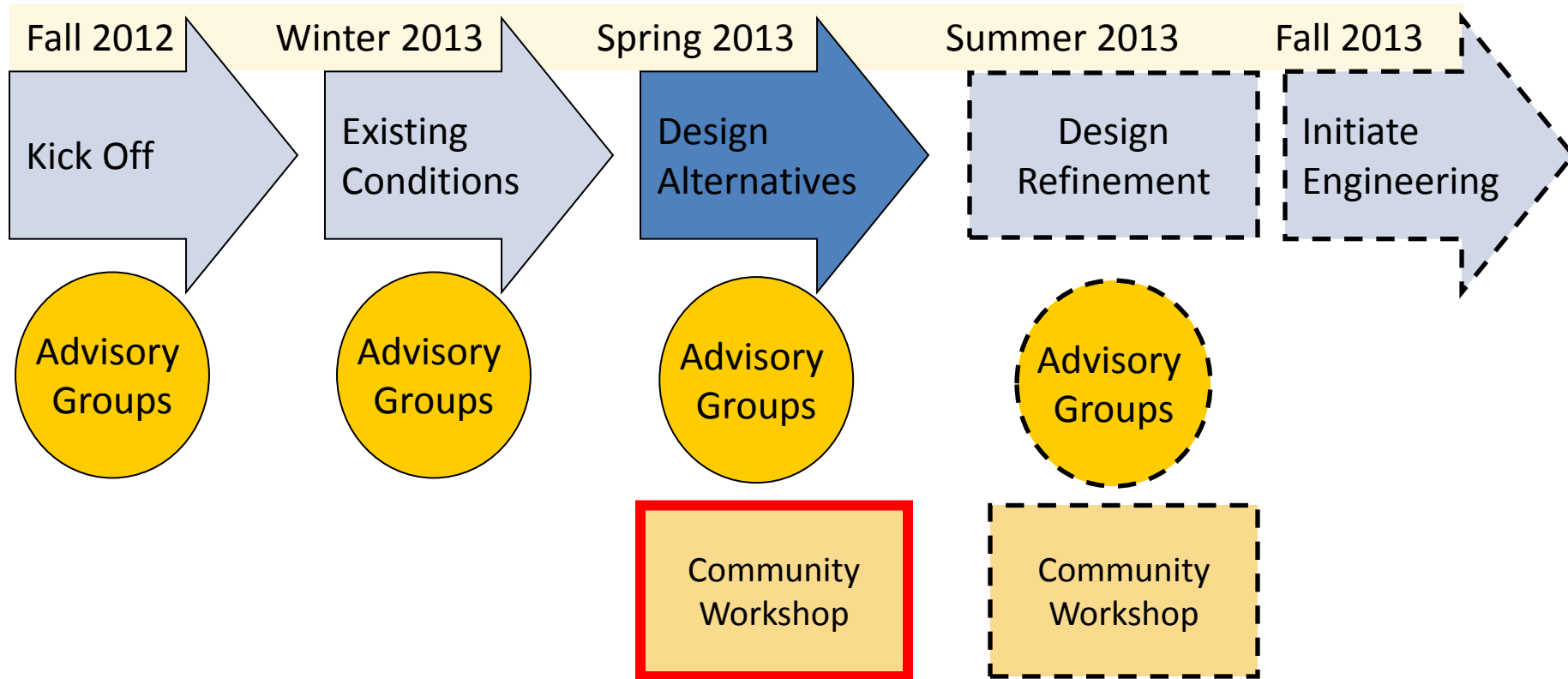
Uptown Project Area



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

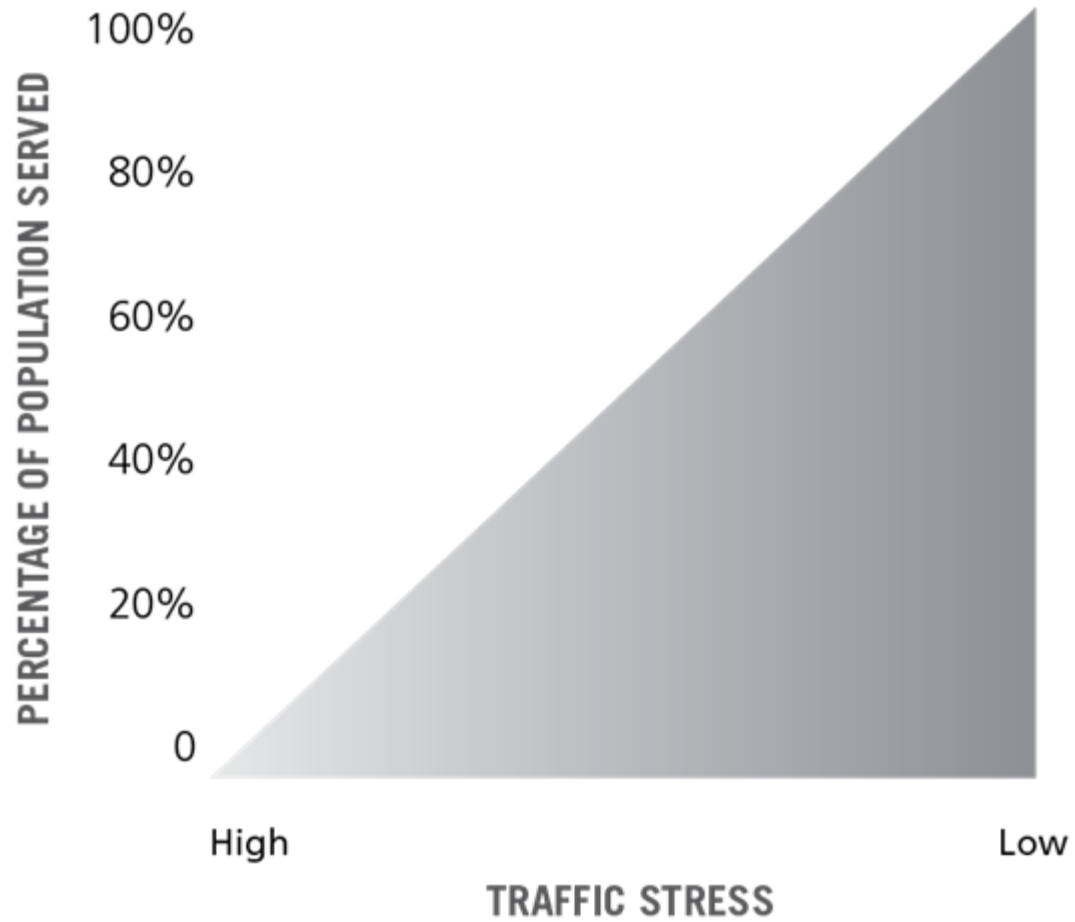
No Way

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

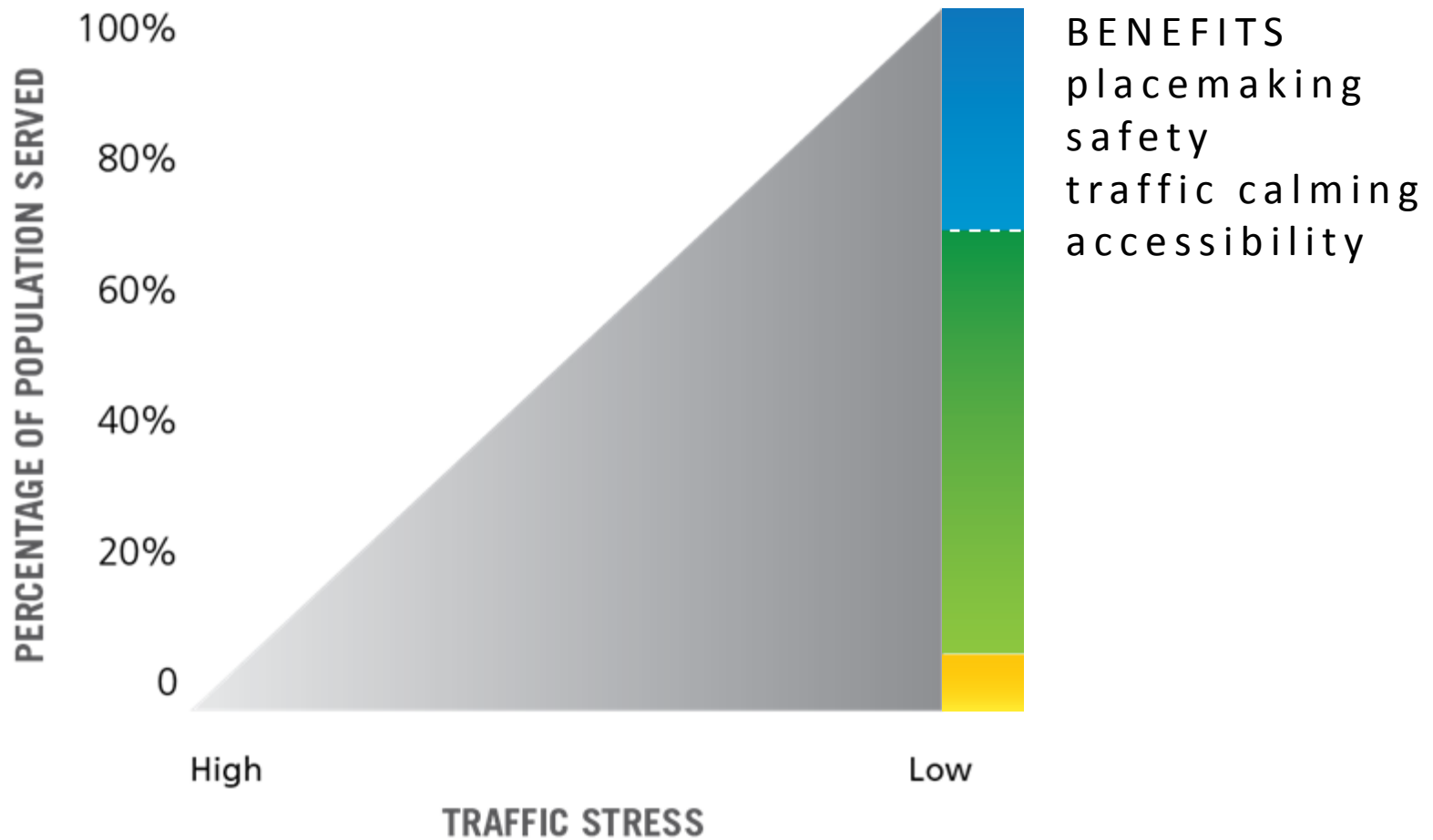
Anywhere, Anytime



LEVEL of TRAFFIC STRESS



LOW STRESS STREETS BENEFIT ALL USERS



“High Stress” – Mira Mesa Boulevard

San Diego



“Medium Stress” – University Ave

San Diego



“Low Stress” - Broadway

Long Beach

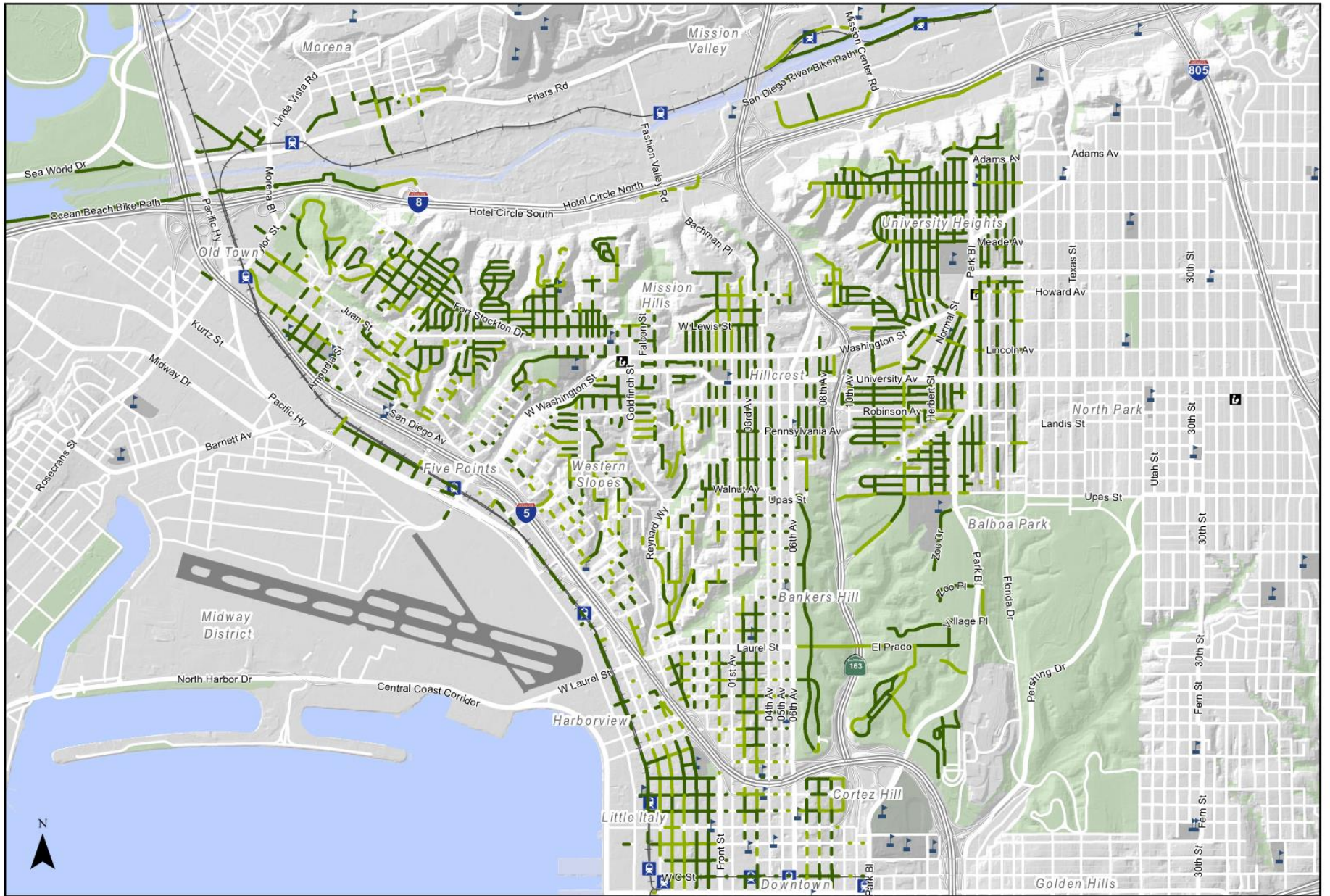


“Low Stress” - Greenway

Long Beach



NO PARKING
10:00 AM TO
12:00 NOON
FRIDAY
STREET CLEANSING



LTS Overall

Low Stress

High Stress

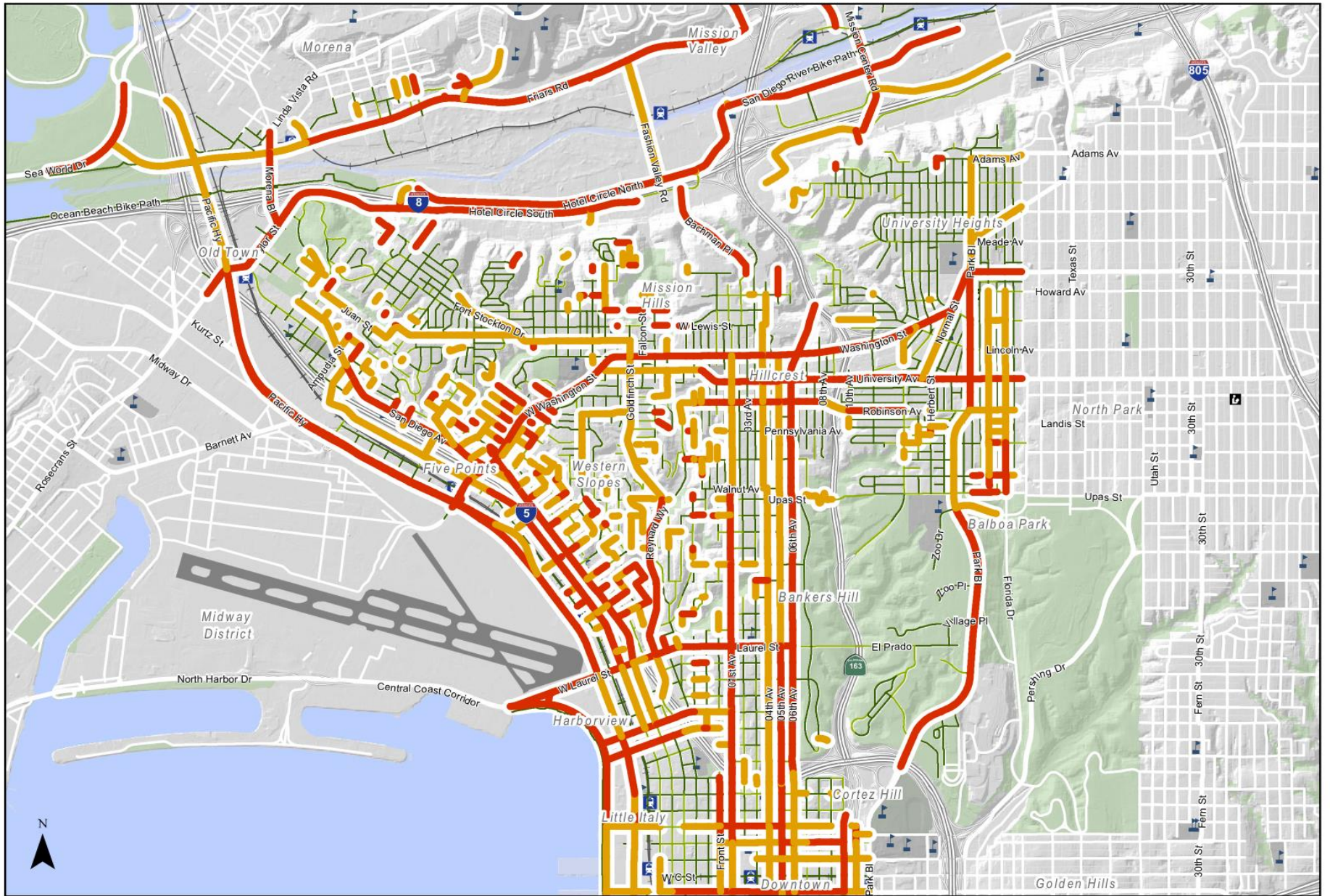
- Park
- Trolley Stop
- Rail Road
- School
- Library

Uptown Regional Bike Corridor Project

Roadways Classified By Overall LTS

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SANDAG



LTS Overall
 Low Stress
 High Stress

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

Uptown Regional Bike Corridor Project

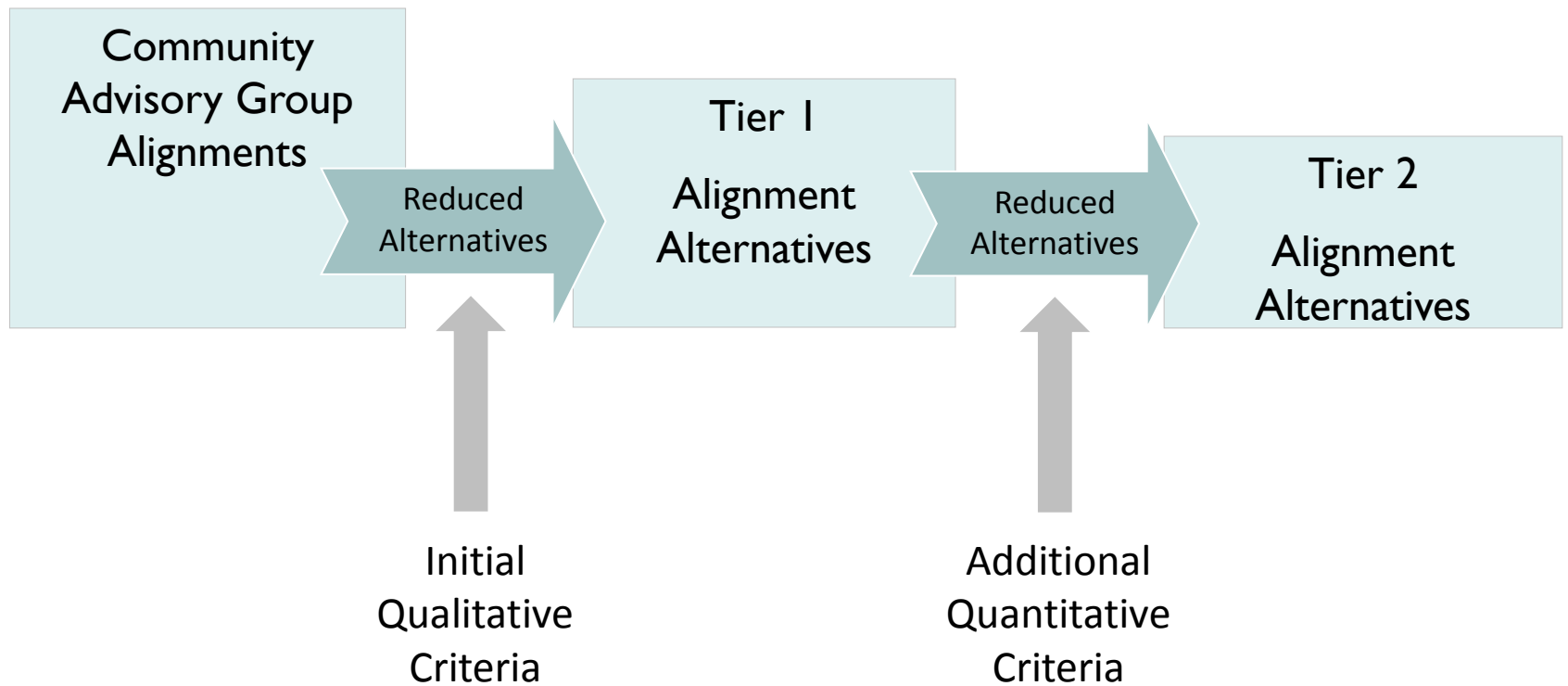
Roadways Classified by Overall LTS

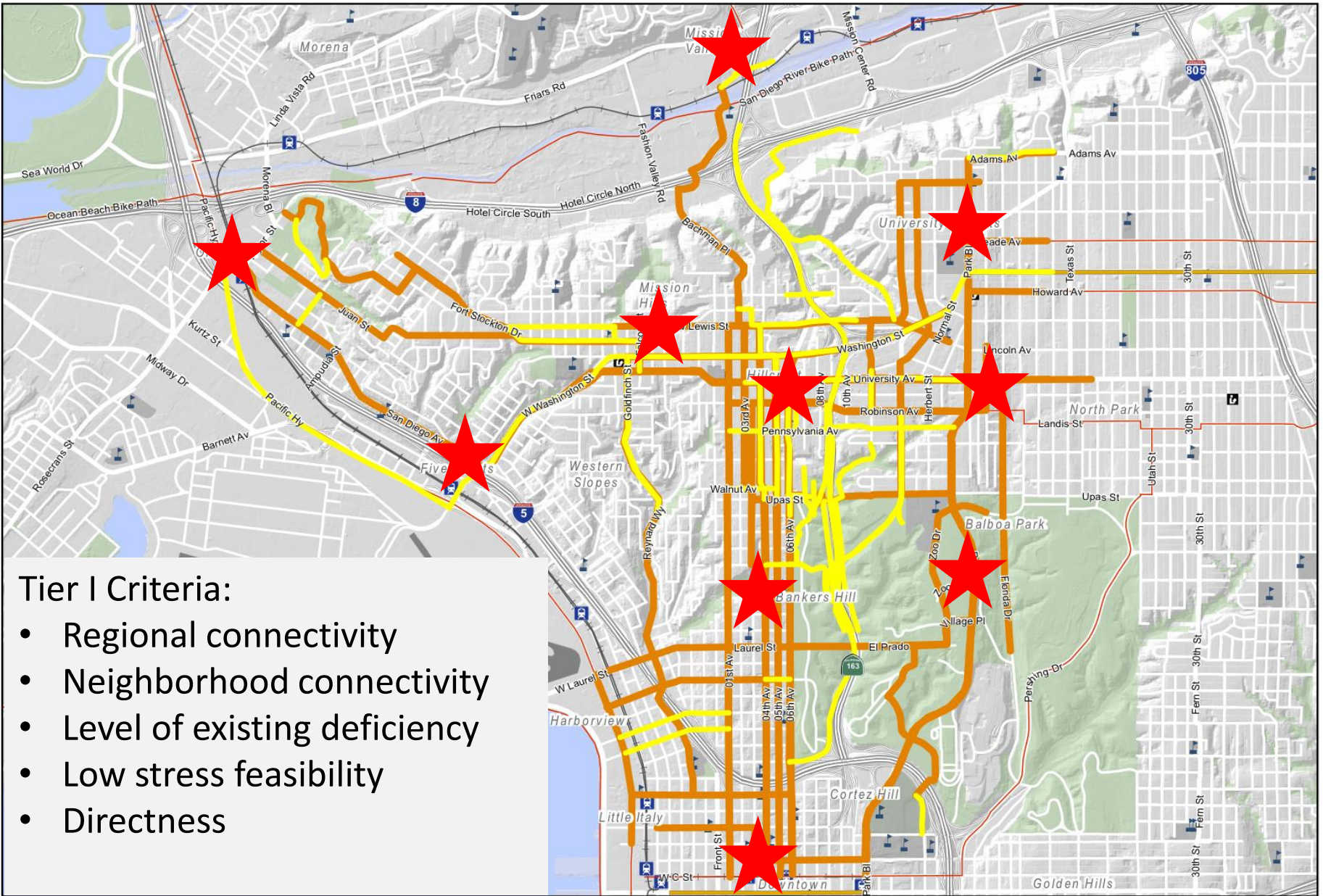


CASE STUDIES

- Bike Boulevards – Portland Greenways
- Protected Bikeways – NACTO Cities for Cycling Roadshow

ALTERNATIVES ANALYSIS PROCESS





Tier I Criteria:

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

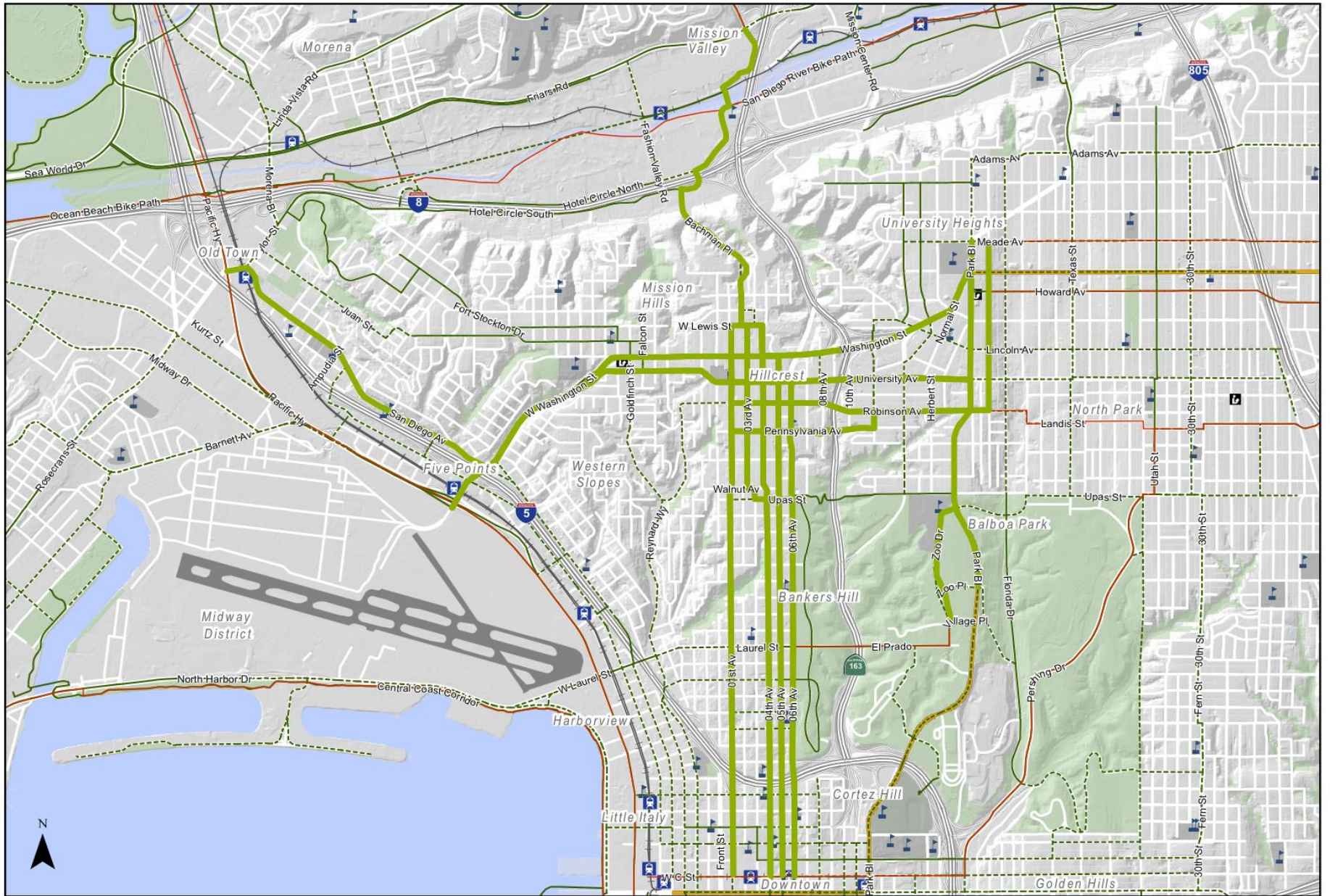
Alignments
 Regional Bike Plan Corridor
 Rapid Bus

Park
 Rail Road
 Trolley Stop
 School
 Library

Uptown Regional Bike Corridor Project

Community Input Alternative Alignments

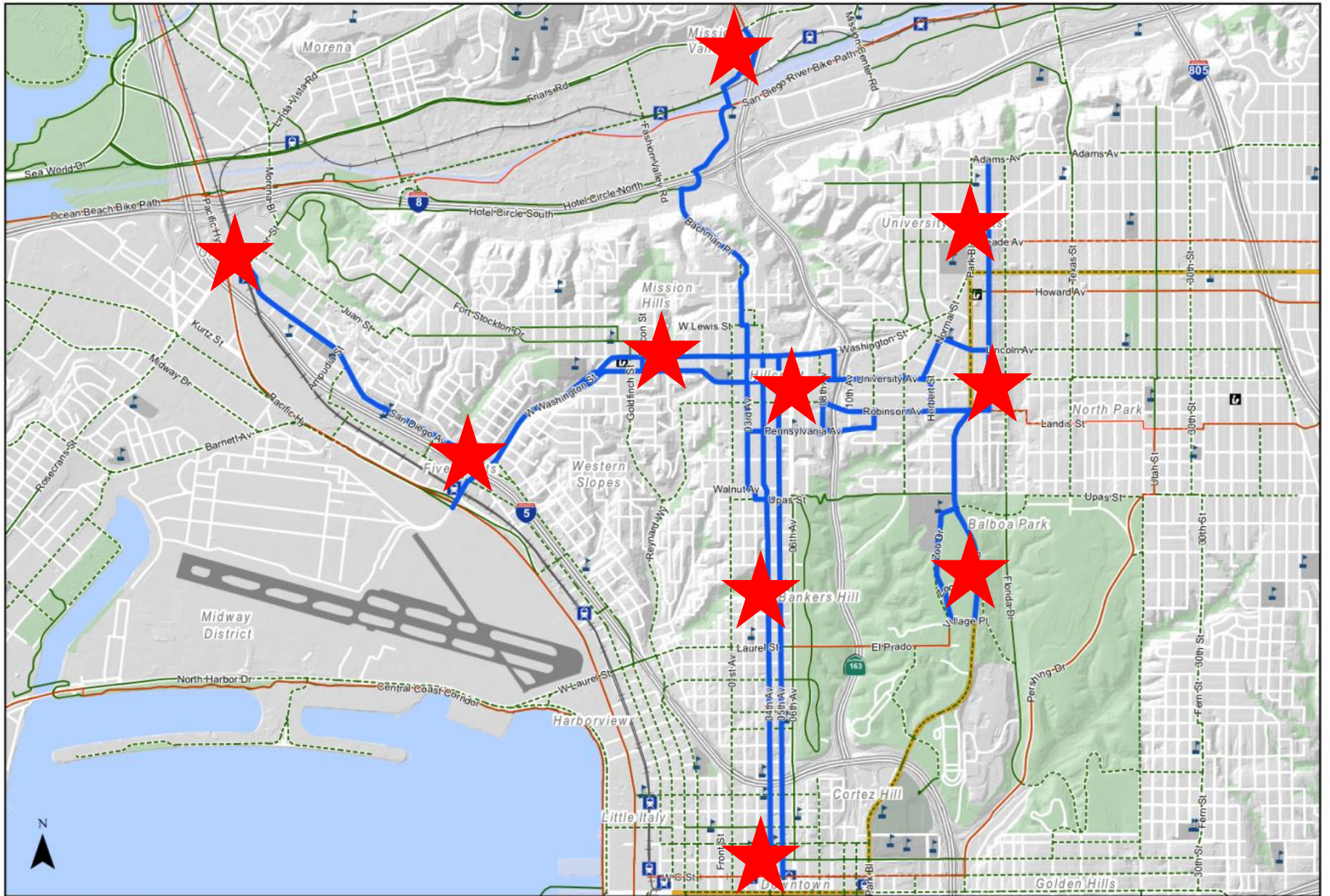




Uptown Regional Bike Corridor Project

Top Scoring Alignments

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

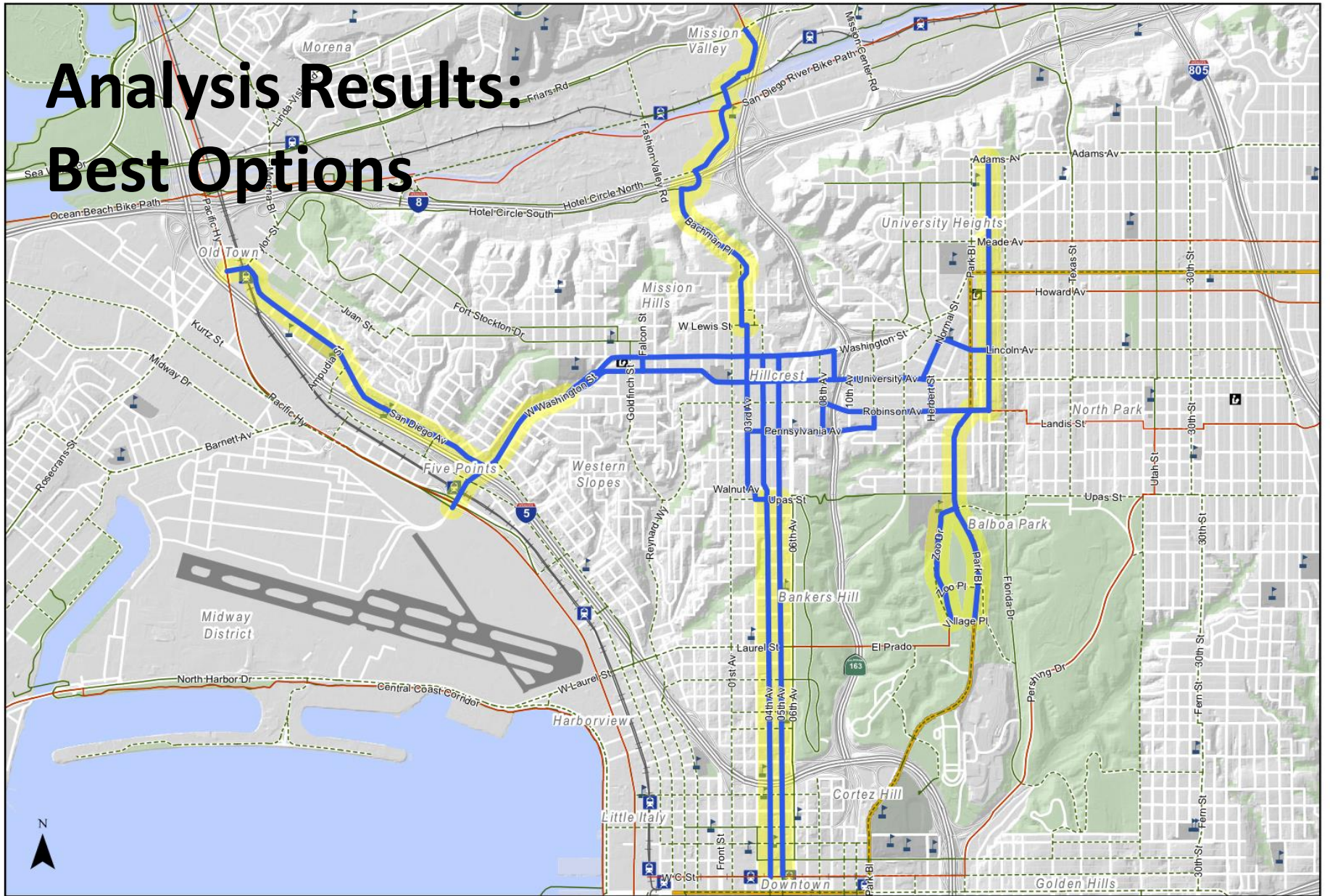


Uptown Regional Bike Corridor Project

Tier III Alignments

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

Analysis Results: Best Options



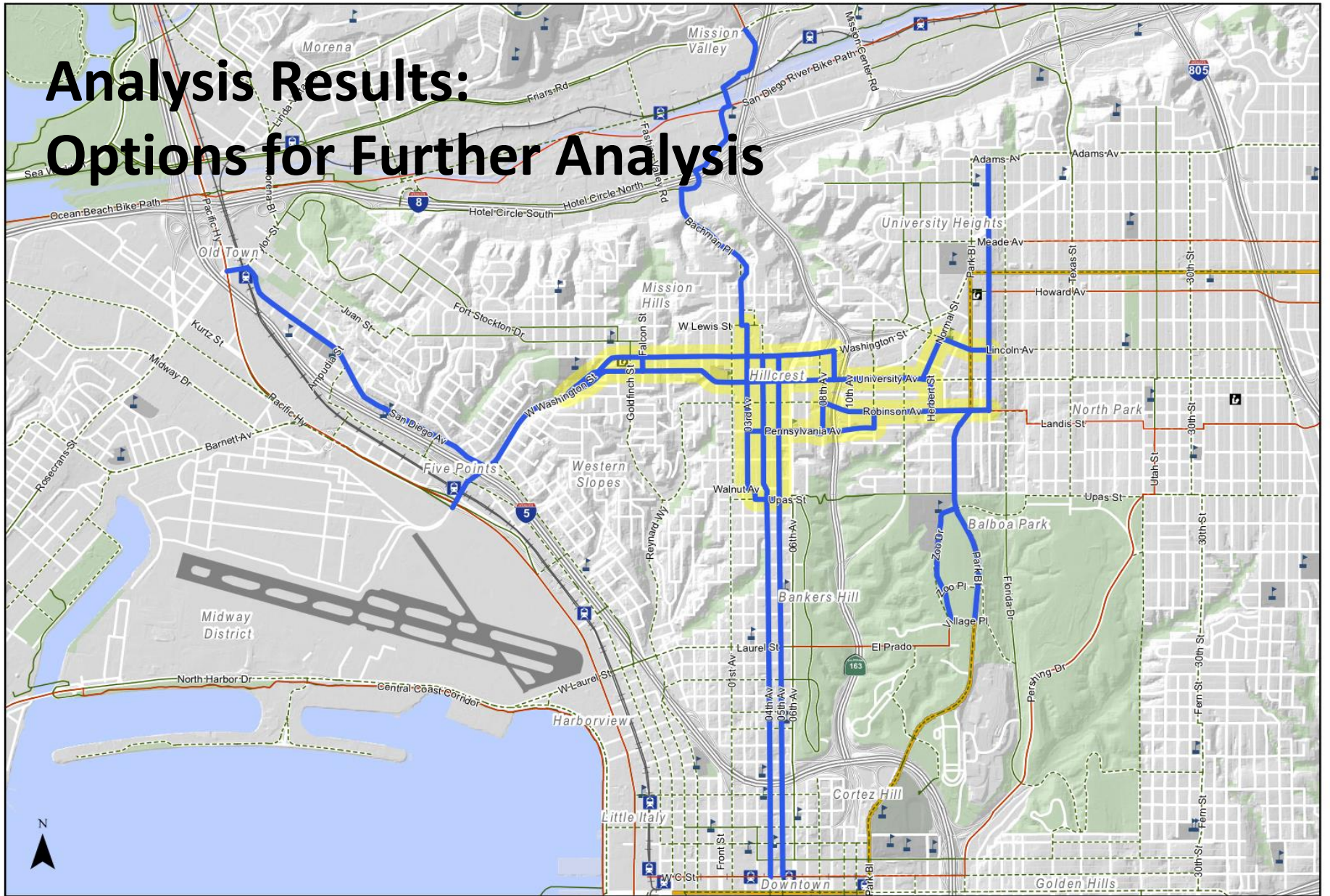
Uptown Regional Bike Corridor Project

Tier III Alignments

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



Analysis Results: Options for Further Analysis



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

- Alignments
- Rapid Bus

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

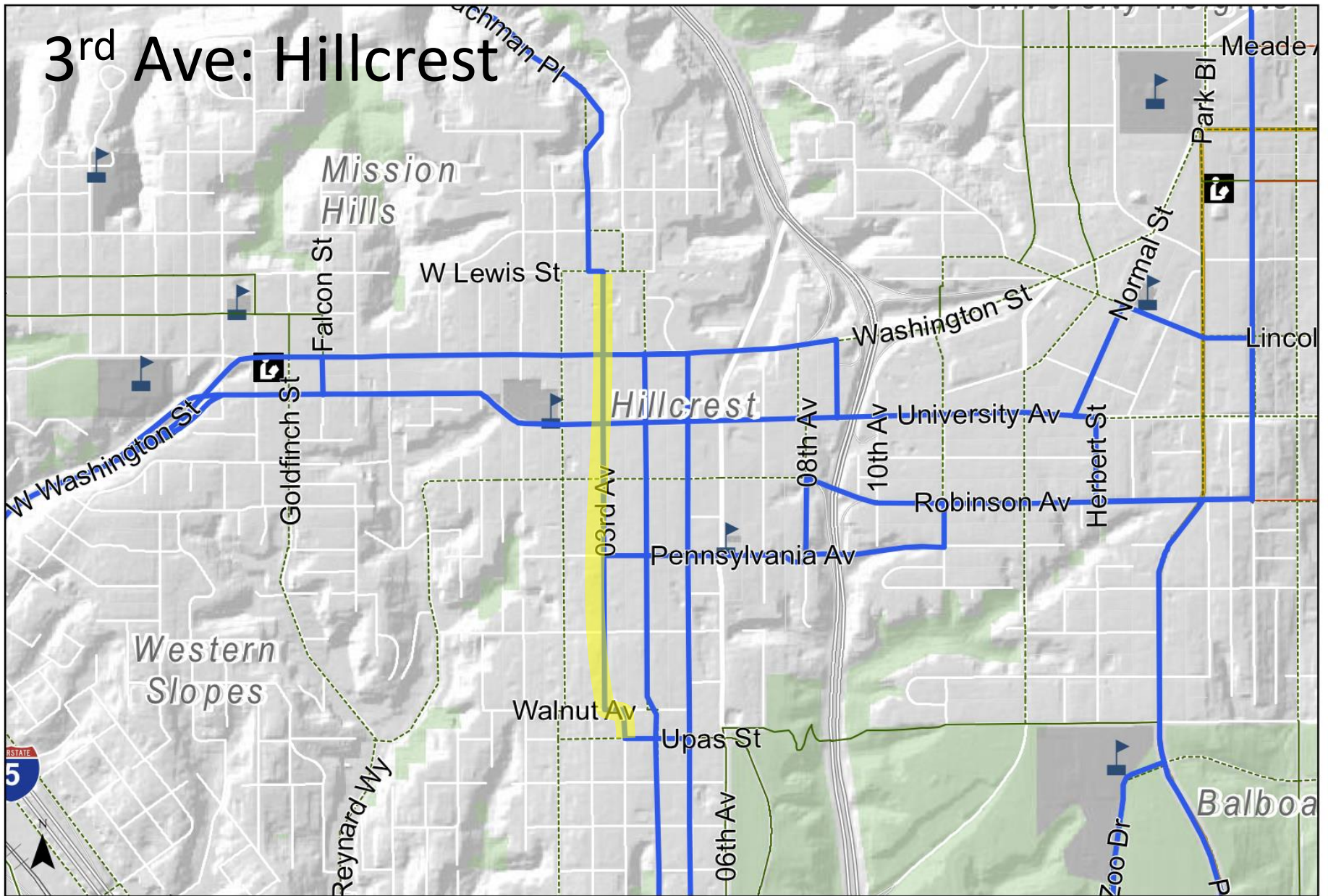
Uptown Regional Bike Corridor Project

Tier III Alignments



ALIGNMENTS & POTENTIAL DESIGNS HIGHLIGHTS

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

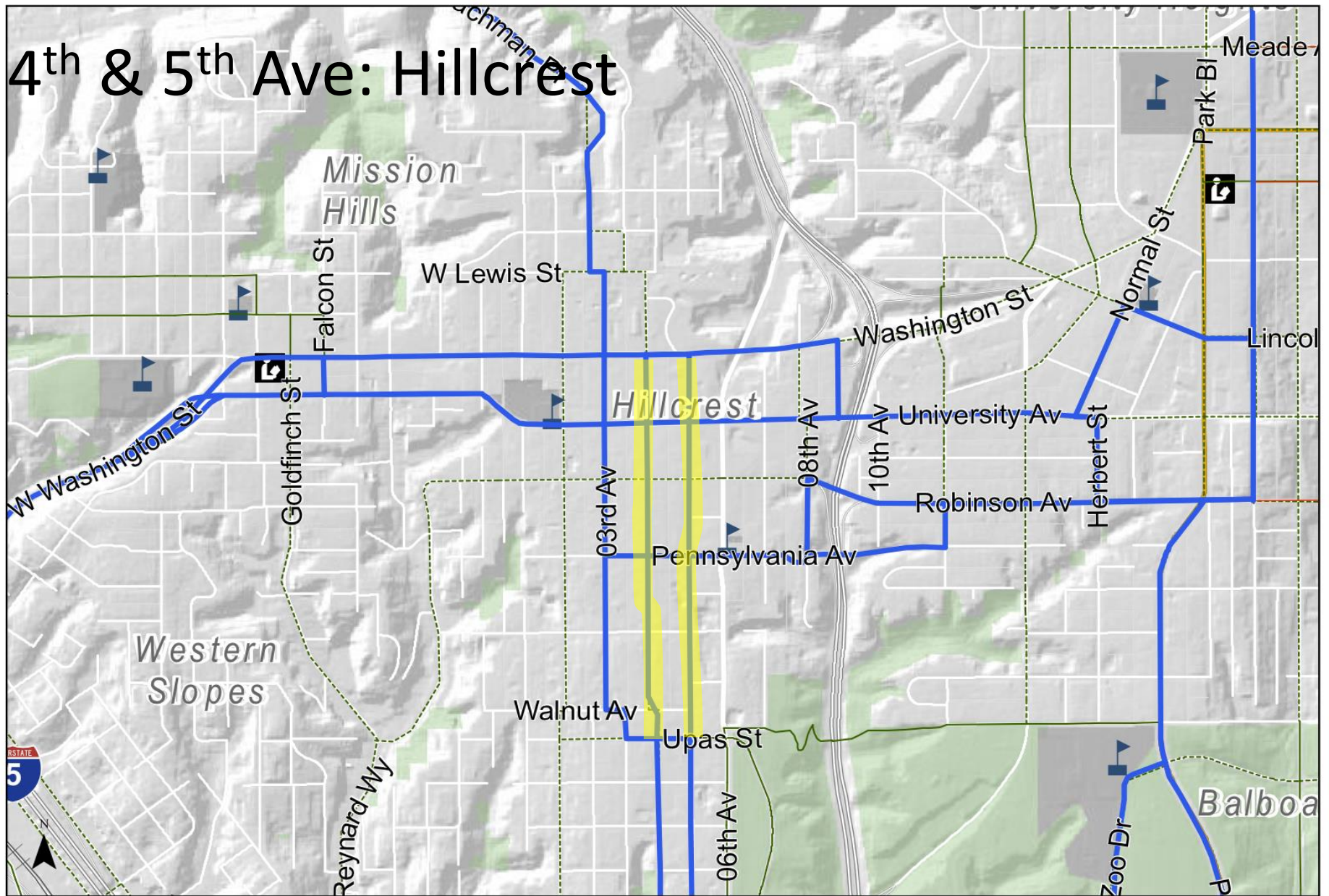
Tier III Alignments





↑
VD

4th & 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





Celebrate the Study

STOP

1



STOP

STOP

STOP

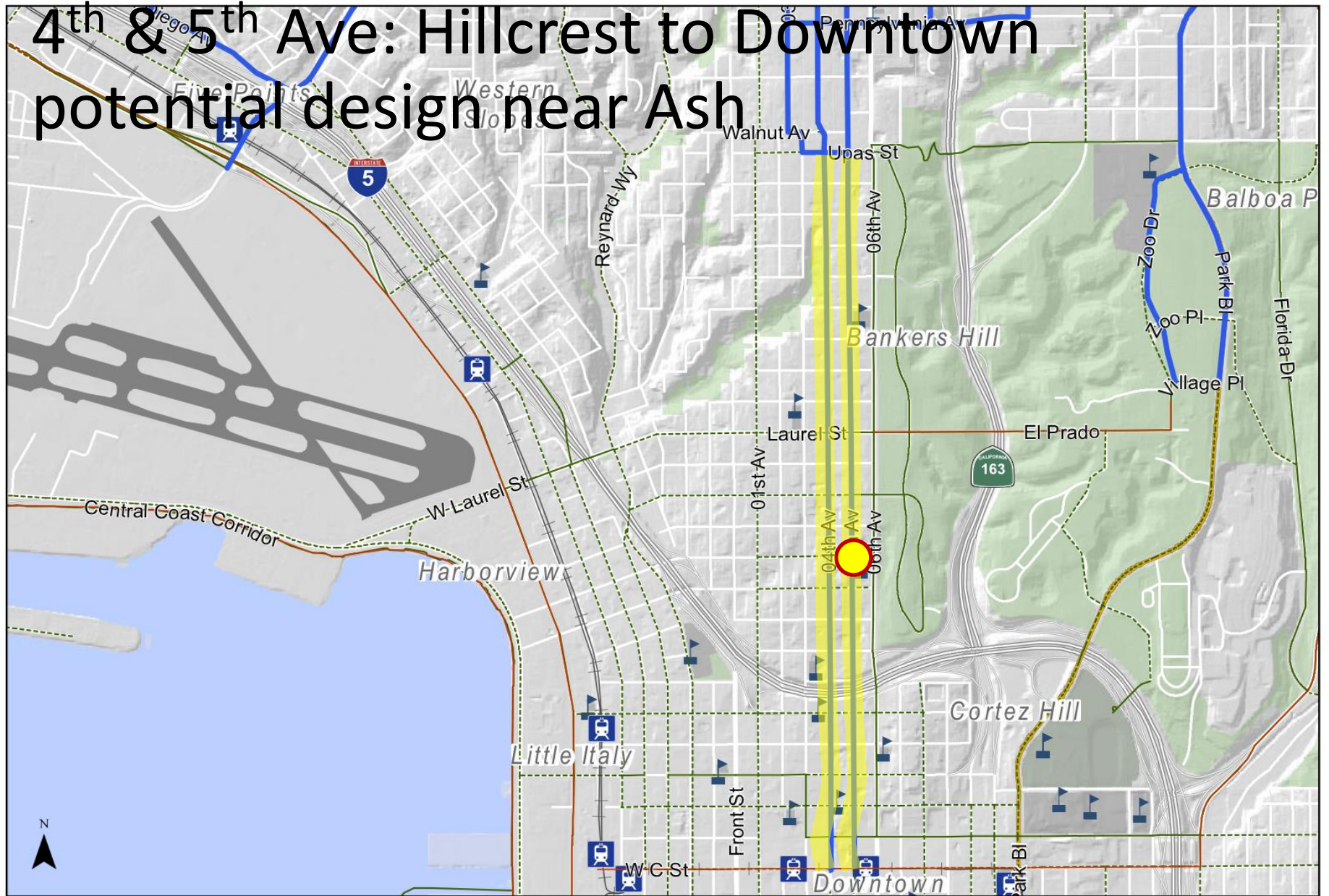
STOP







4th & 5th Ave: Hillcrest to Downtown potential design near Ash



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

Uptown Regional Bike Corridor Project

Tier III Alignments



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



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

- Alignments
- Rapid Bus

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

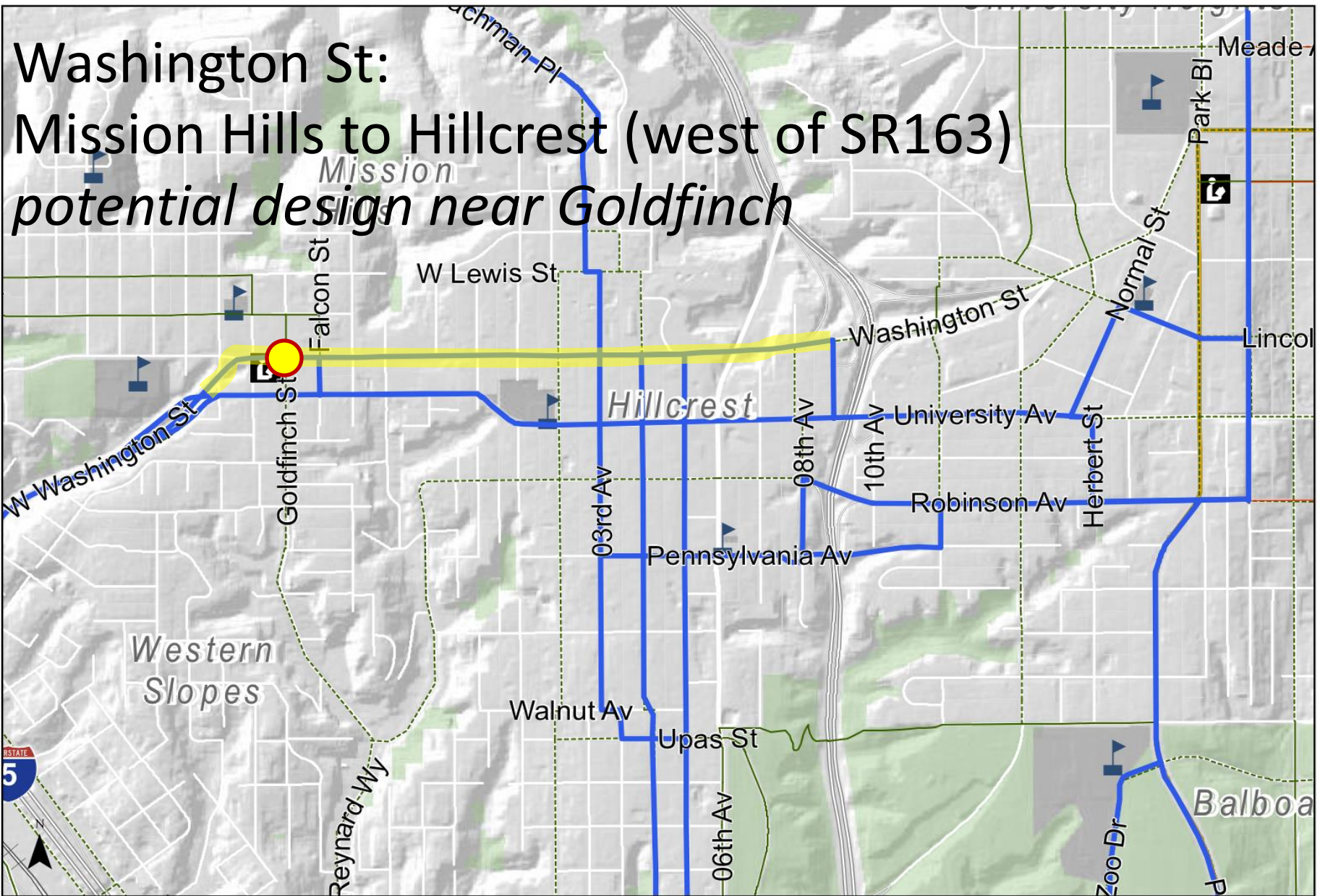
Uptown Regional Bike Corridor Project

Tier III Alignments





Washington St: 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

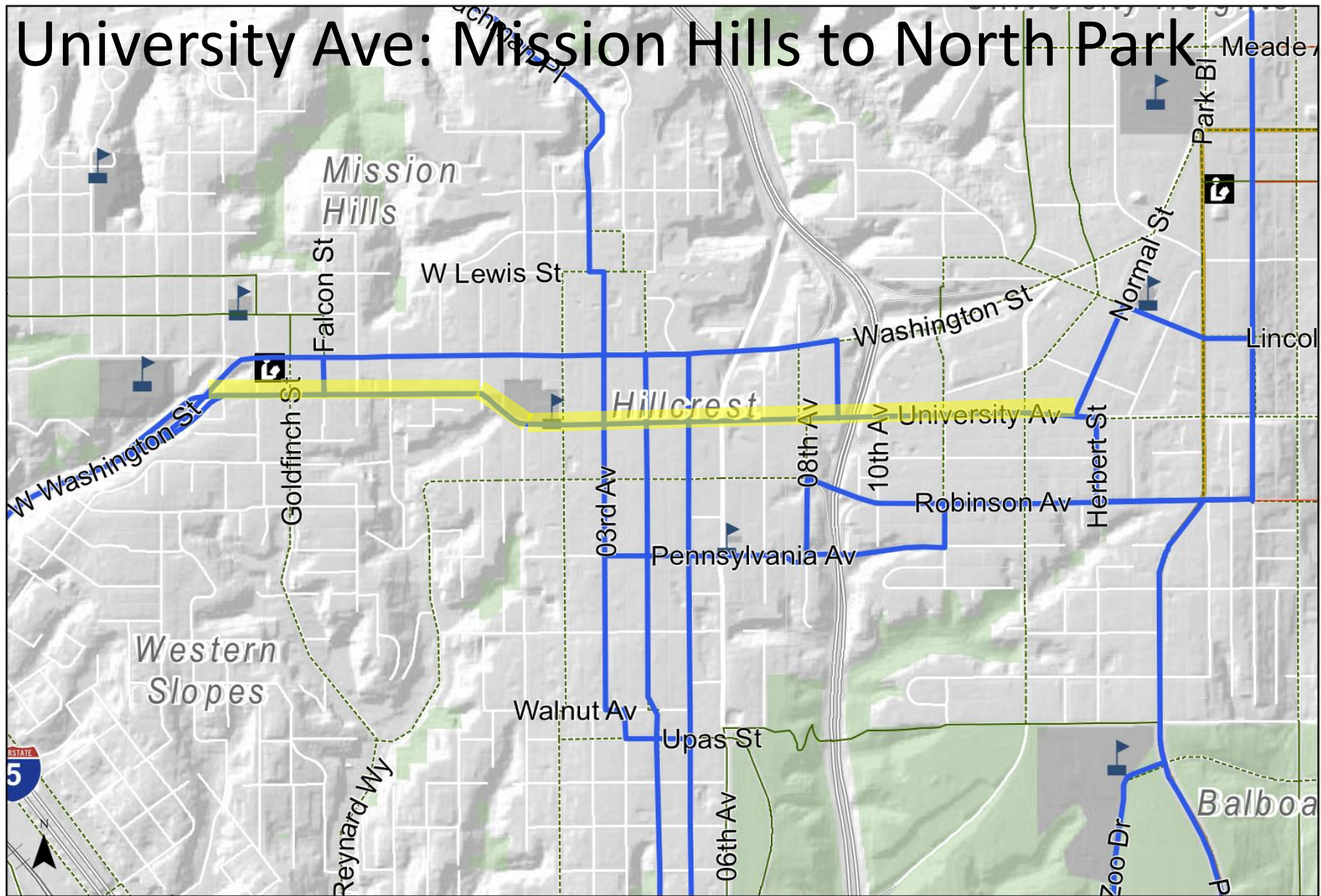
Uptown Regional Bike Corridor Project

Tier III Alignments





University Ave: Mission Hills to North Park



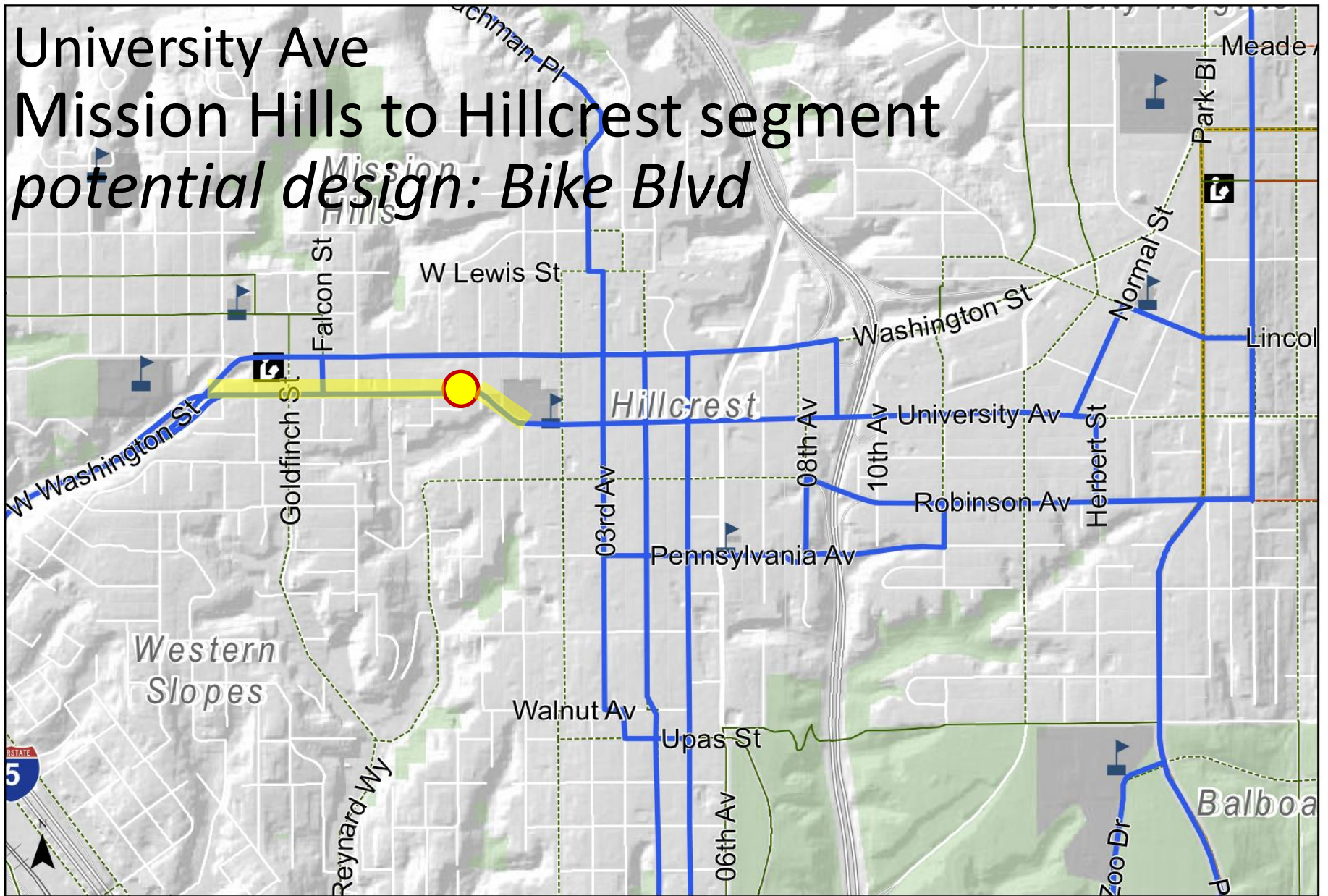
- | | | | |
|-----------------------------|------------|-----------|--------------|
| Existing Bike Facility | Alignments | Park | Trolley Stop |
| City Bike Plan Corridor | Rapid Bus | Rail Road | School |
| Regional Bike Plan Corridor | | | Library |

Uptown Regional Bike Corridor Project

Tier III Alignments



University Ave Mission Hills to Hillcrest segment *potential design: Bike Blvd*



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

- Alignments
- Rapid Bus

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

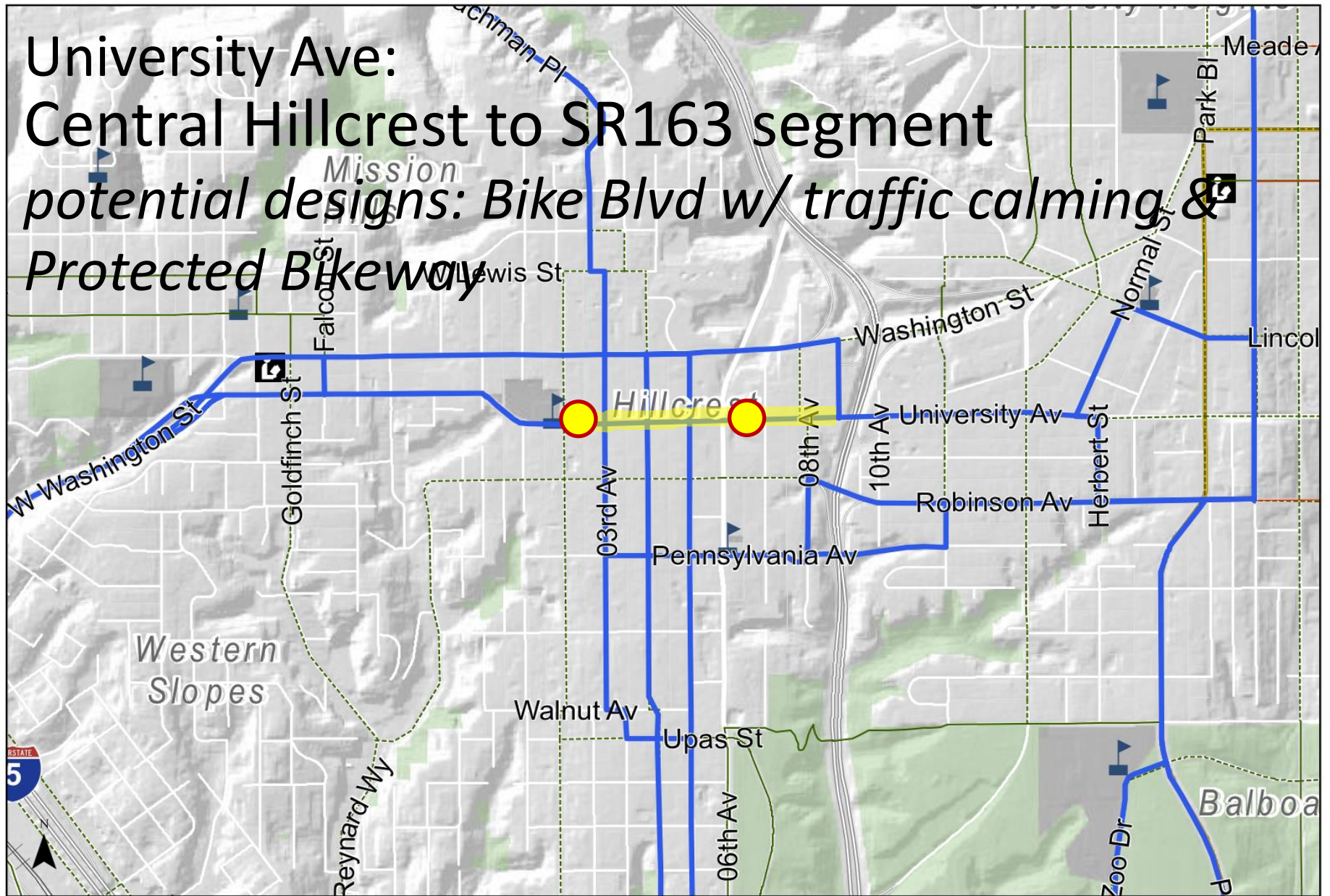
Uptown Regional Bike Corridor Project

Tier III Alignments



University Ave: Central Hillcrest to SR163 segment

potential designs: Bike Blvd w/ traffic calming & Protected Bikeway



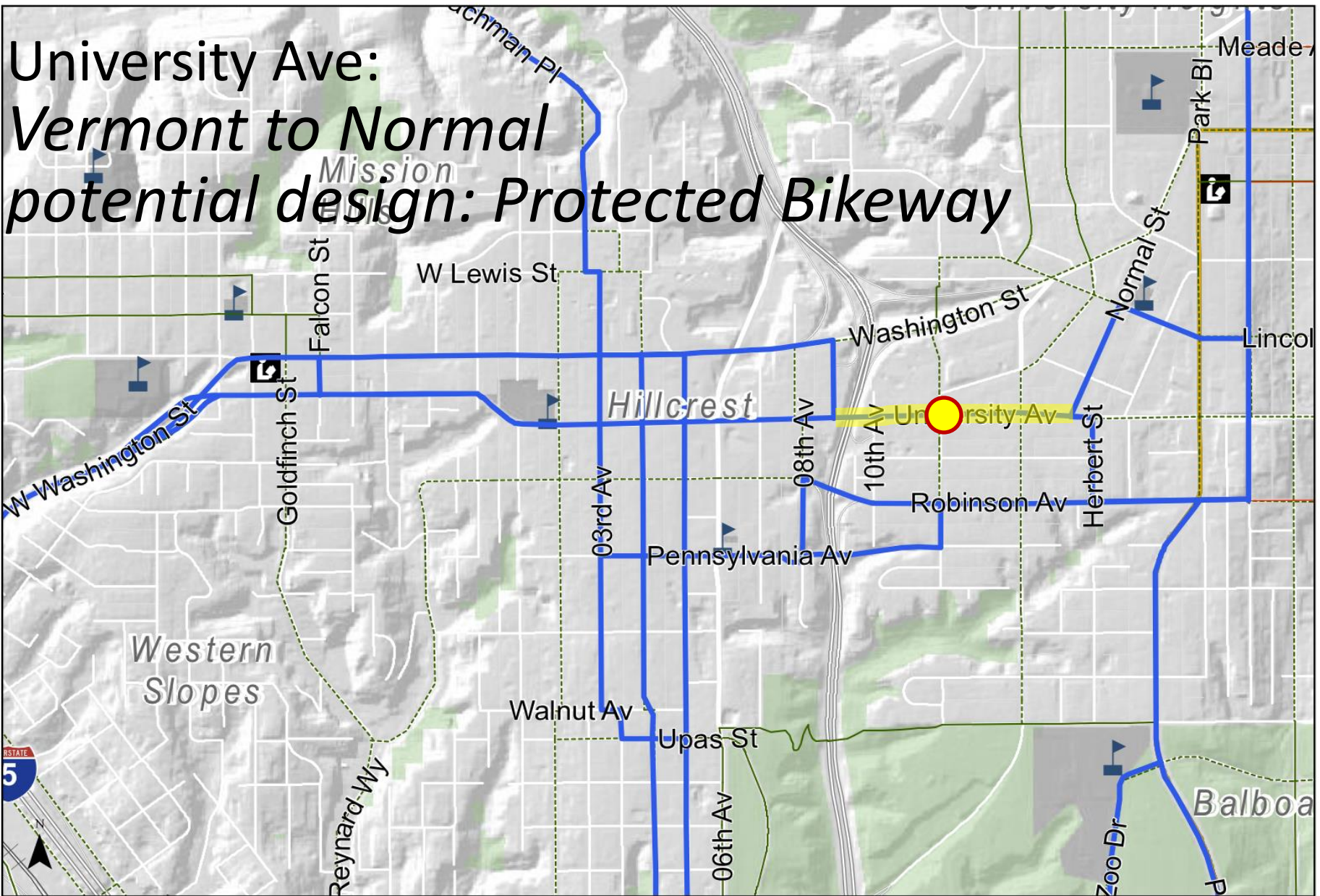
Uptown Regional Bike Corridor Project

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 to Normal potential design: Protected Bikeway



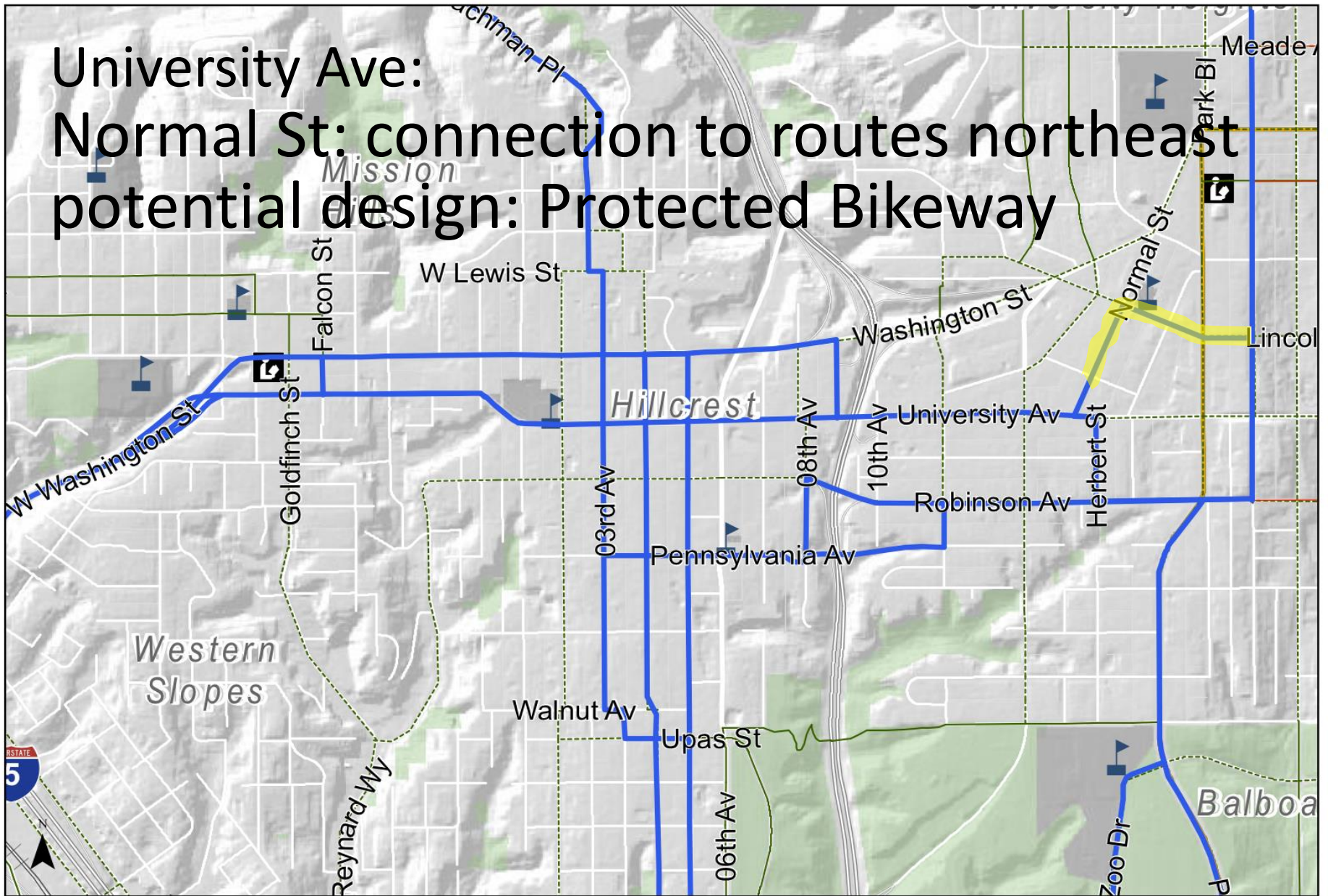
- Existing Bike Facility
- - - City Bike Plan Corridor
- Regional Bike Plan Corridor
- Alignments
- Rapid Bus
- Park
- Rail Road
- Trolley Stop
- School
- Library

Uptown Regional Bike Corridor Project

Tier III Alignments



University Ave: Normal St: connection to routes northeast potential design: Protected Bikeway



- 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

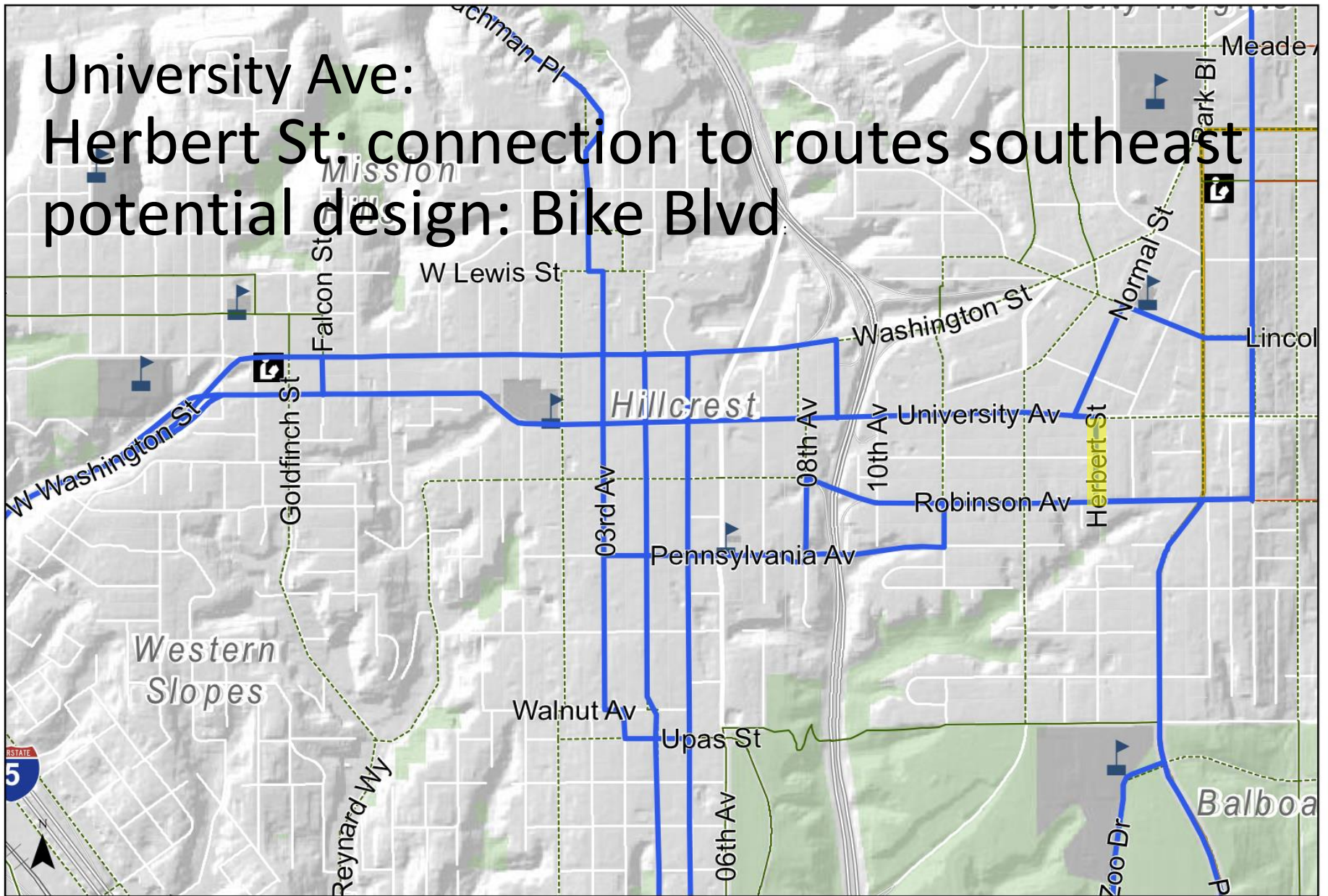
Tier III Alignments







University Ave: Herbert St: connection to routes southeast potential design: Bike Blvd



- 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



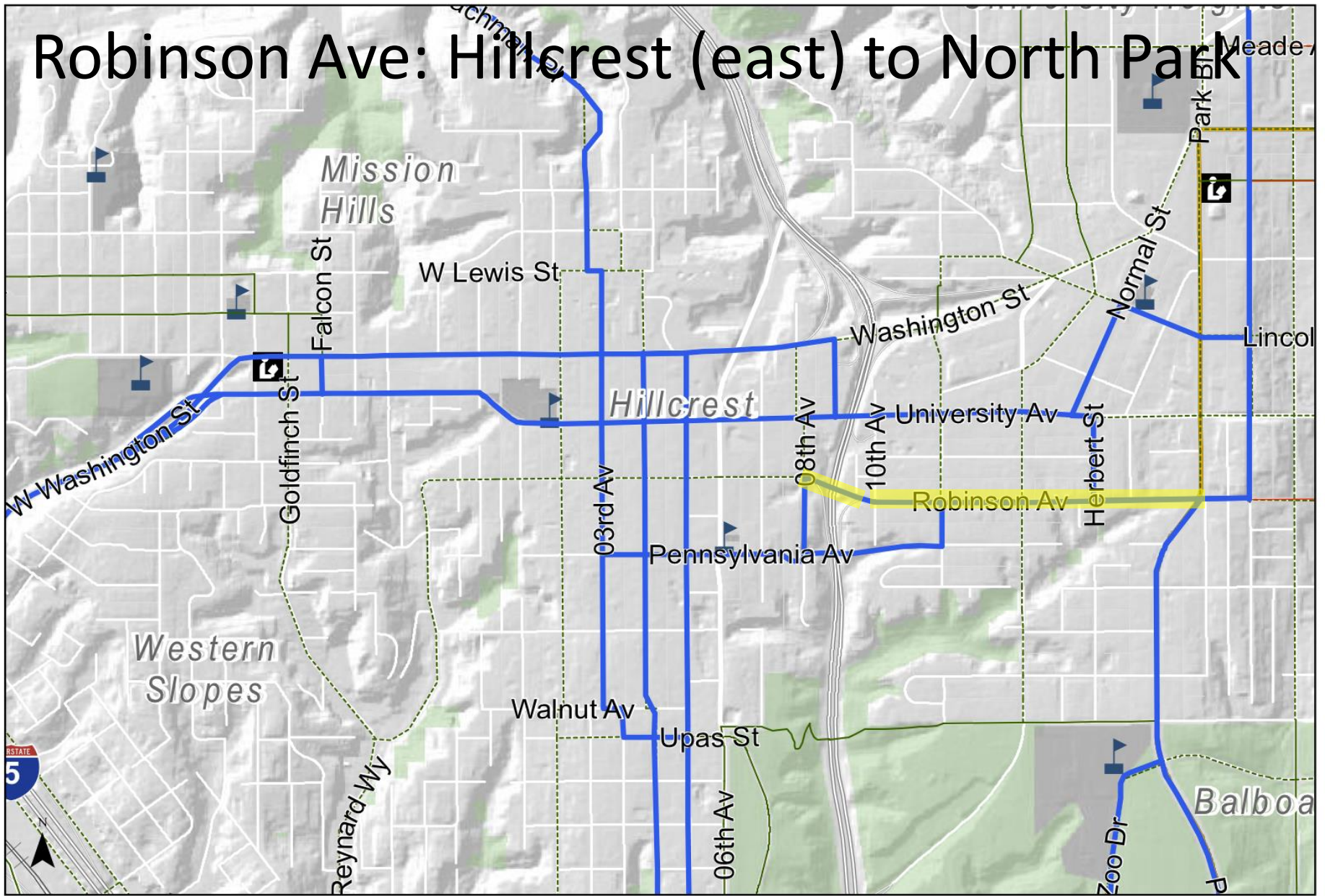


EAST

BLVD



Robinson Ave: Hillcrest (east) to North Park



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

- Alignments
- Rapid Bus

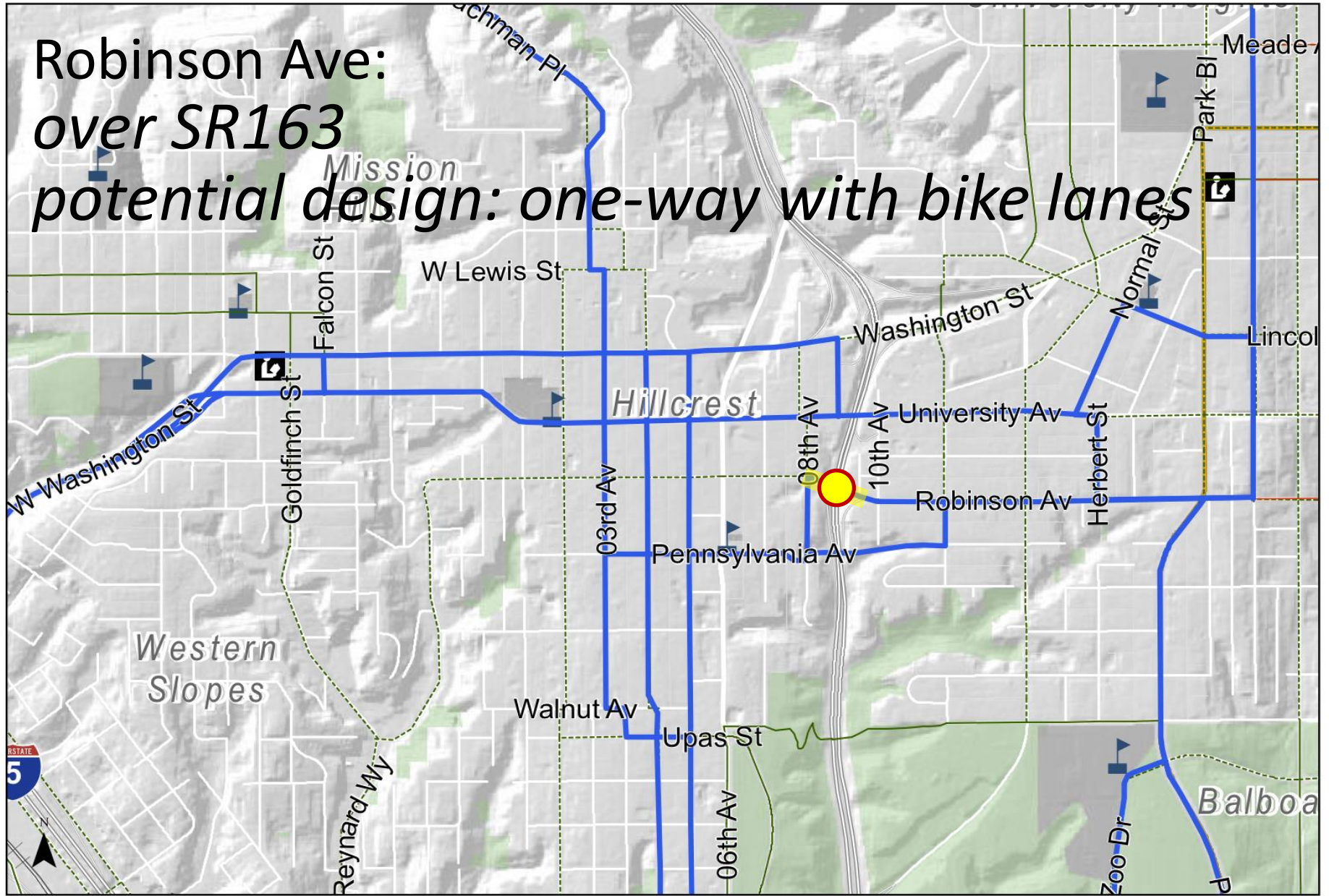
- Park
- Rail Road

- Trolley Stop
- School
- Library

Uptown Regional Bike Corridor Project

Tier III Alignments

Robinson Ave: over SR163 potential design: one-way with bike lanes



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

- Alignments
- Rapid Bus

- Park
- Rail Road

- Trolley Stop
- School
- Library

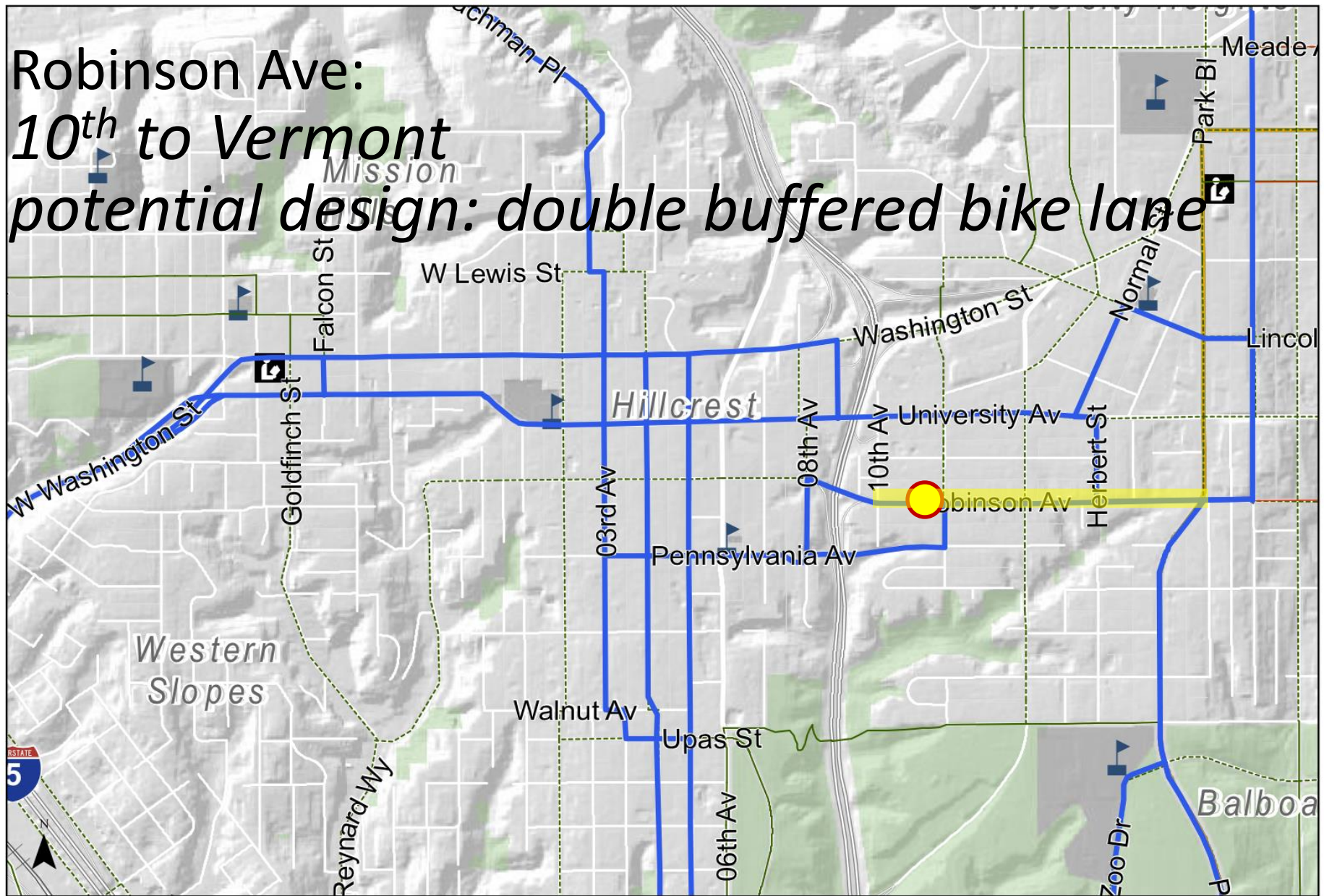
Uptown Regional Bike Corridor Project

Tier III Alignments





Robinson Ave: 10th to Vermont potential design: double buffered bike lane

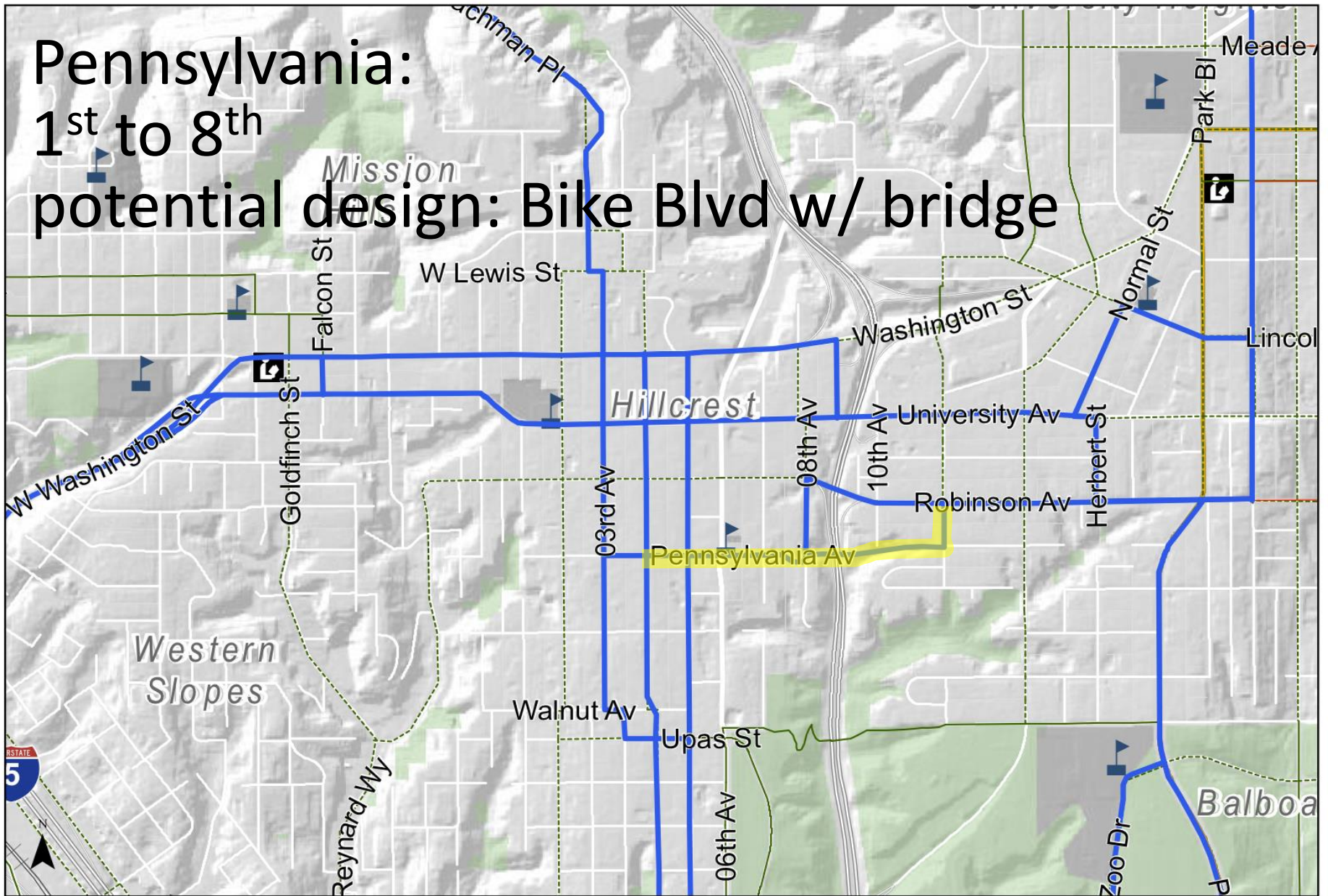


Existing Bike Facility	Alignments	Park	Trolley Stop
City Bike Plan Corridor	Rapid Bus	Rail Road	School
Regional Bike Plan Corridor			Library

Uptown Regional Bike Corridor Project
Tier III Alignments



Pennsylvania: 1st to 8th potential design: Bike Blvd w/ bridge



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

- Alignments
- Rapid Bus

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

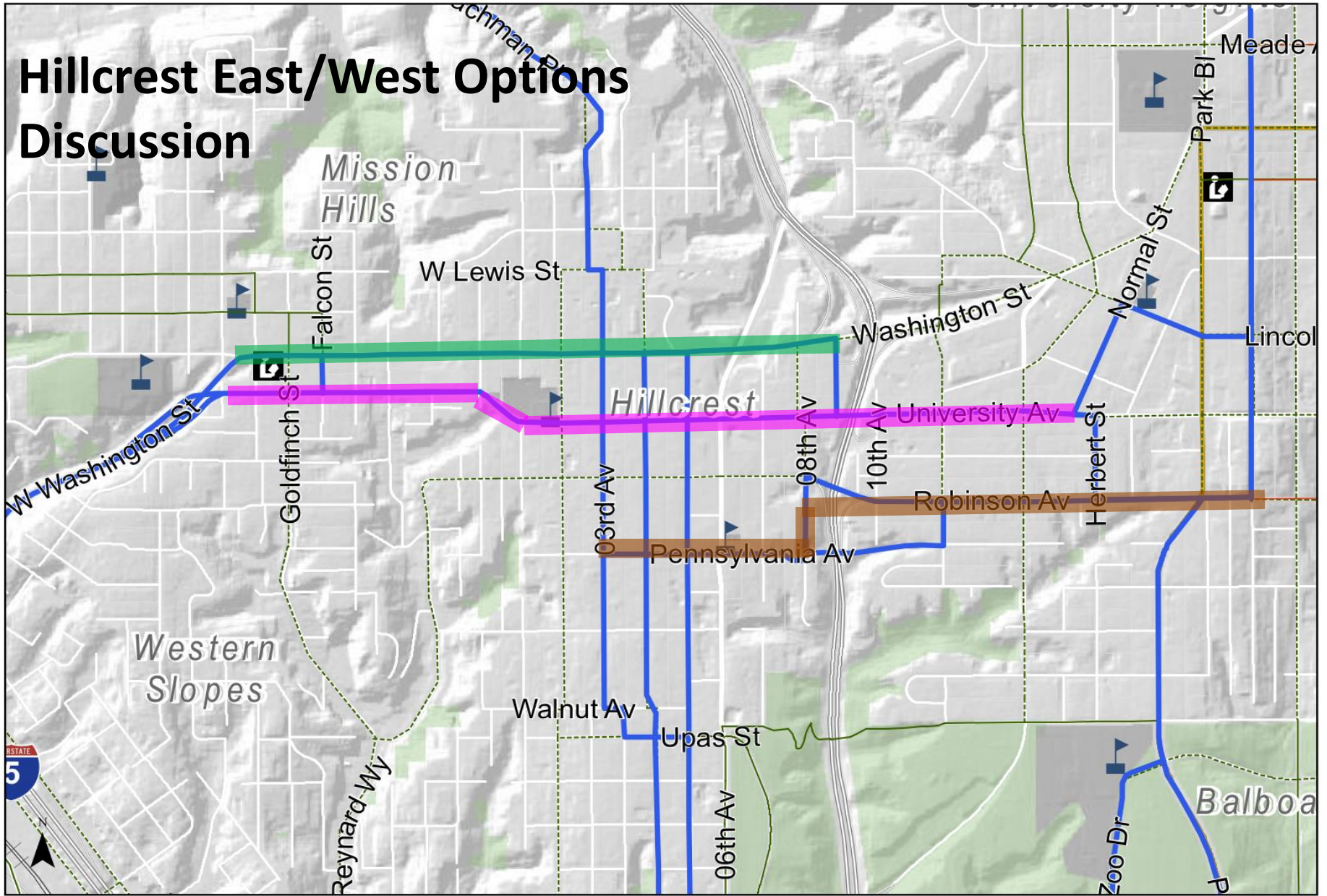
Uptown Regional Bike Corridor Project

Tier III Alignments





Hillcrest East/West Options Discussion



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

- Alignments
- Rapid Bus

- Park
- Rail Road

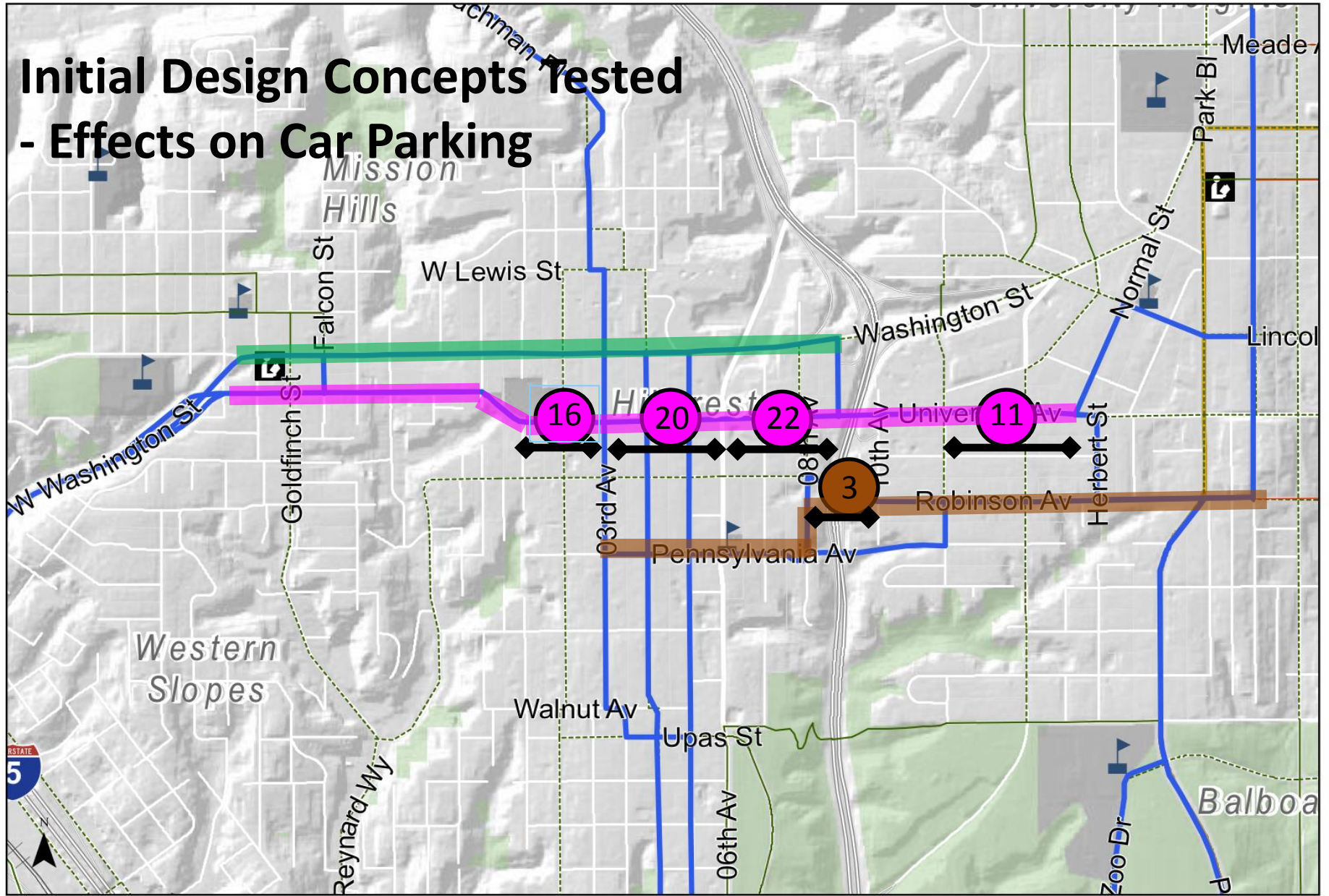
- Trolley Stop
- School
- Library

Uptown Regional Bike Corridor Project

Tier III Alignments



Initial Design Concepts Tested - Effects on Car Parking



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

- Alignments
- Rapid Bus

- Park
- Rail Road

- Trolley Stop
- School
- Library

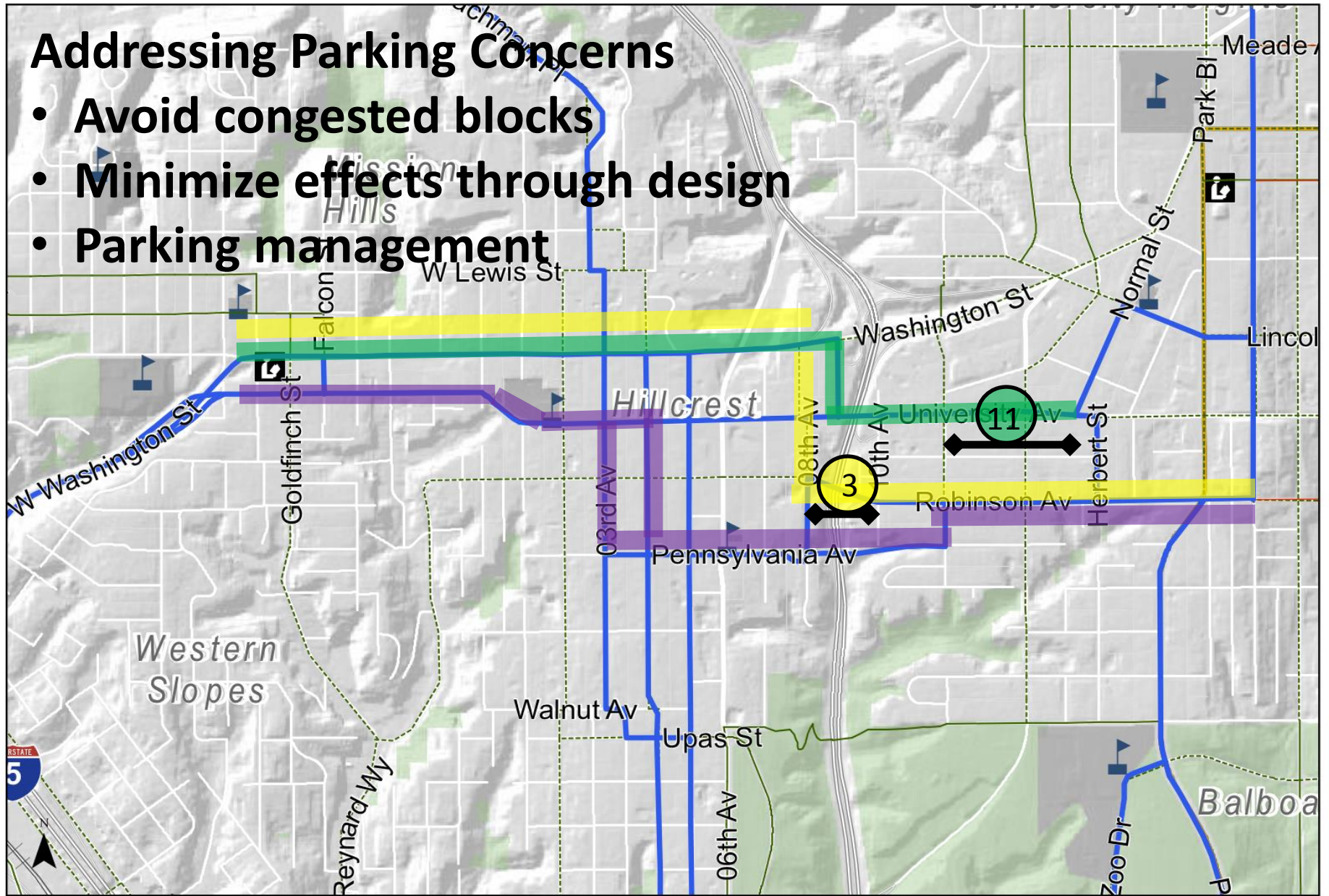
Uptown Regional Bike Corridor Project

Tier III Alignments



Addressing Parking Concerns

- Avoid congested blocks
- Minimize effects through design
- Parking management



Uptown Regional Bike Corridor Project

Tier III Alignments

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

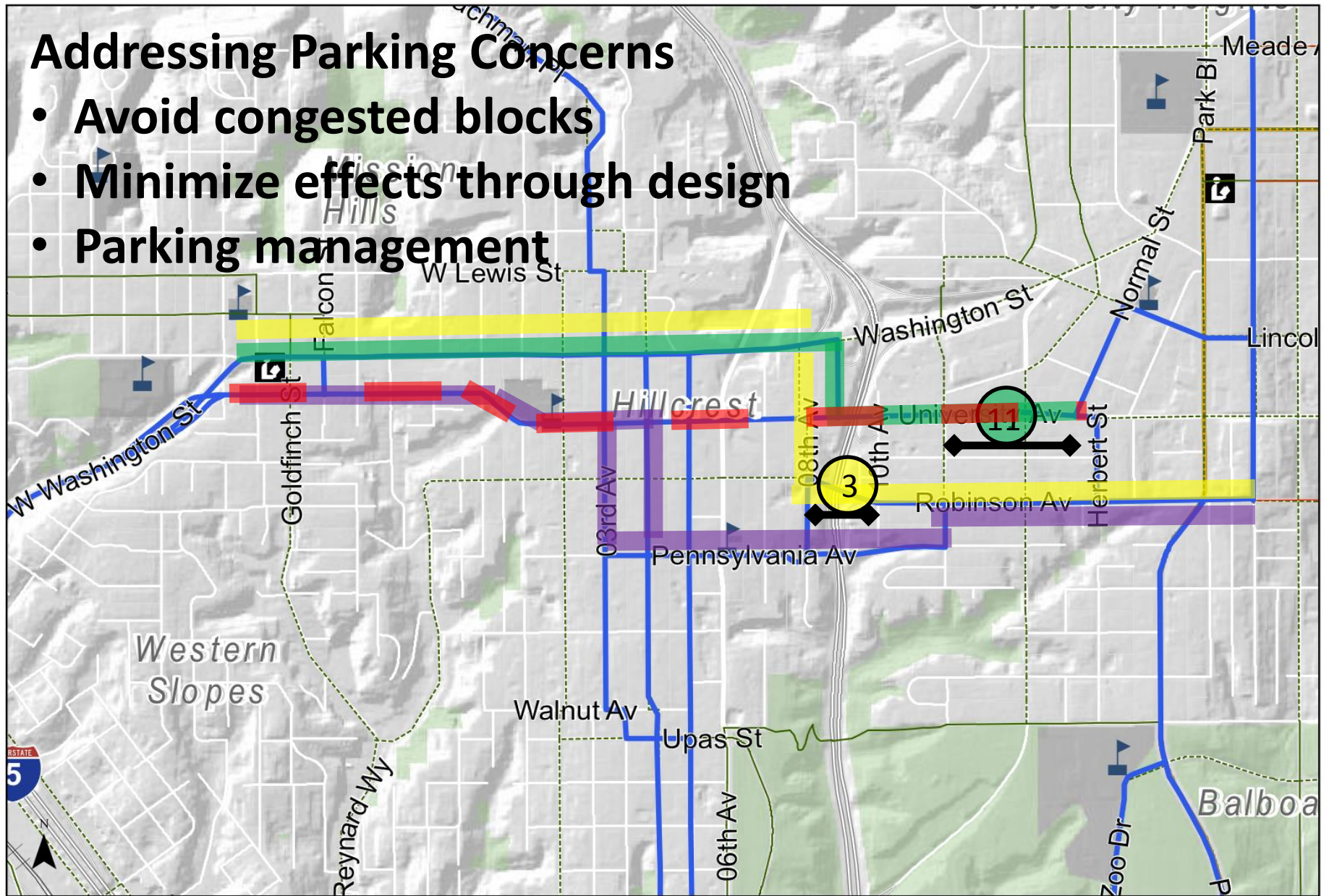
- Alignments
- Rapid Bus

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- Trolley Stop
- School
- Library



Addressing Parking Concerns

- Avoid congested blocks
- Minimize effects through design
- Parking management



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

— Alignments
 — Rapid Bus

■ Park
 — Rail Road
 ■ Trolley Stop
 ■ School
 ■ Library

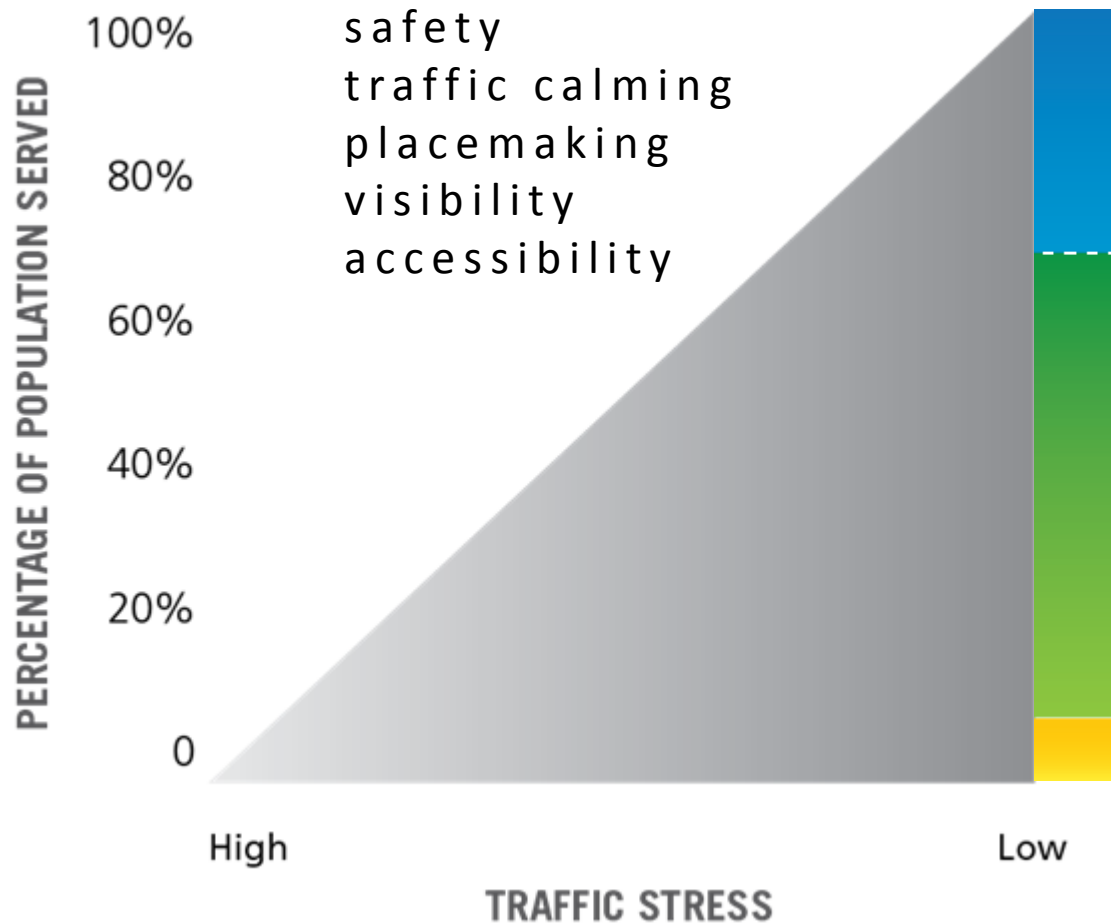
Uptown Regional Bike Corridor Project

Tier III Alignments

KOA CORPORATION
 PLANNING & ENGINEERING

SANDAG

LOW STRESS STREETS BENEFIT ALL USERS





● Mobility ● Experience ● Community
● Placemaking ● Economic Development



NYC Case Studies

Retail Sales Increase

- 49% 9th Ave
(3% borough-wide)
- 172% Pearl St
(18% borough-wide)
- 71% Fordham St
(23% borough-wide)

Vacancies

- 49% fewer Union Sq
- 47% fewer 1st & 2nd Aves



NEXT STEPS

- Advisory and Workshop Findings
- Conduct additional analysis
- Present the final analysis results and preferred options in late summer/early fall

OPEN HOUSE DISCUSSION

- The benefits, considerations and design concept for each option
- Additional benefits of each
- Additional considerations of each



● Mobility ● Experience ● Community
● Placemaking ● Economic Development

