



Mobility Analysis

Existing Conditions

**Community Plan Advisory
Committee**

February 15, 2012

Fehr & Peers Transportation Consultants

Introduction

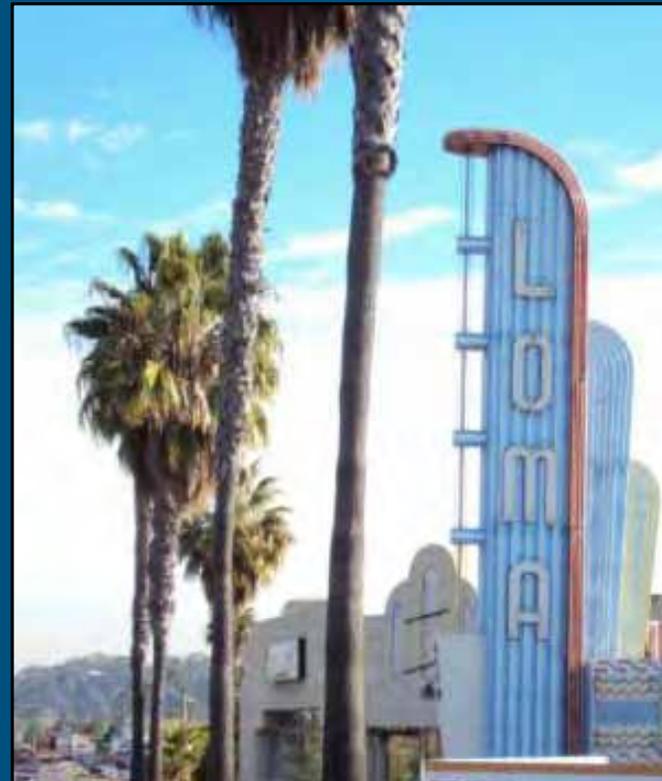
Analysis Overview



Introduction

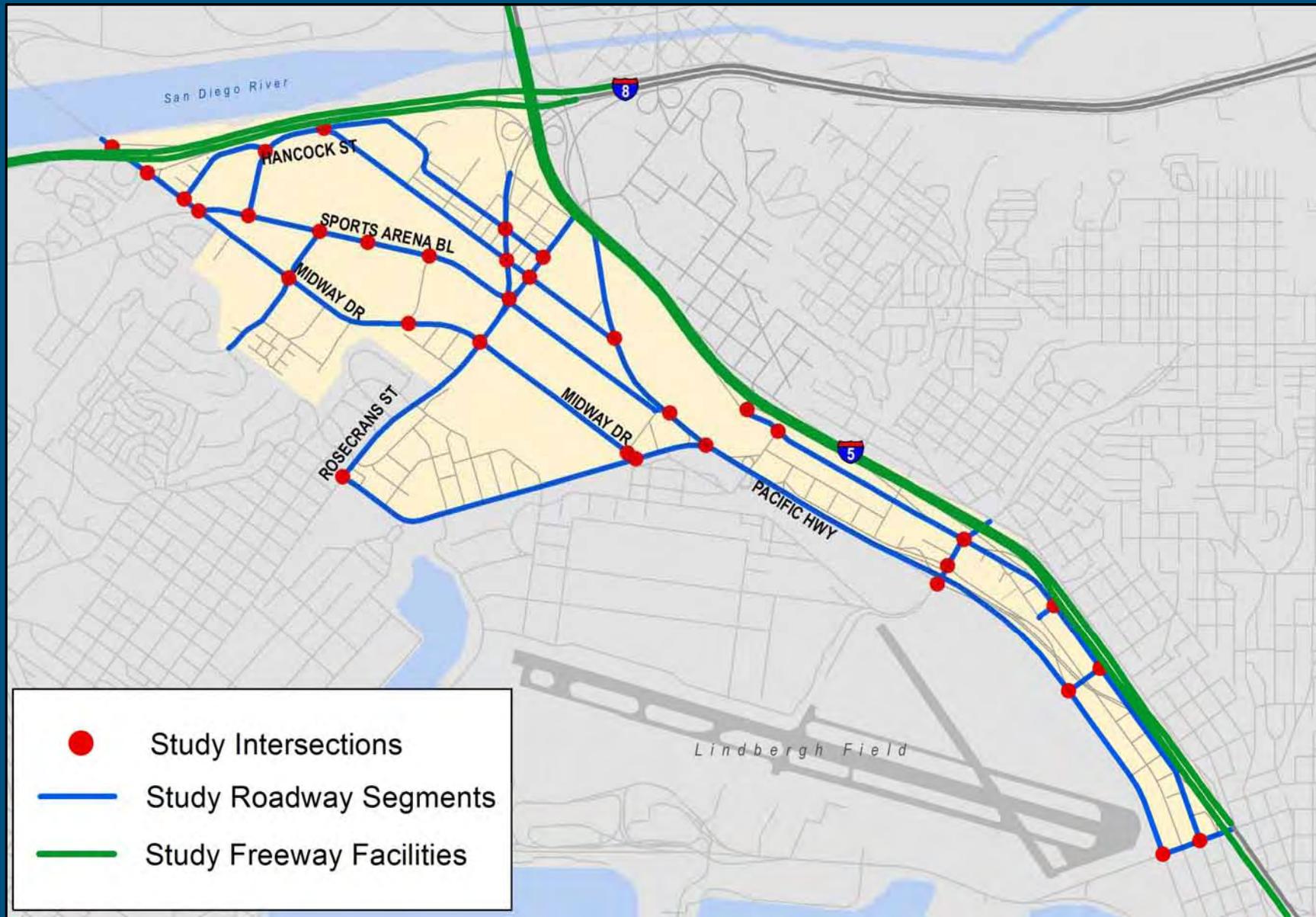
Objectives / Purpose

- Summarize the physical and operational conditions of the transportation network
- Identify current transportation issues and constraints



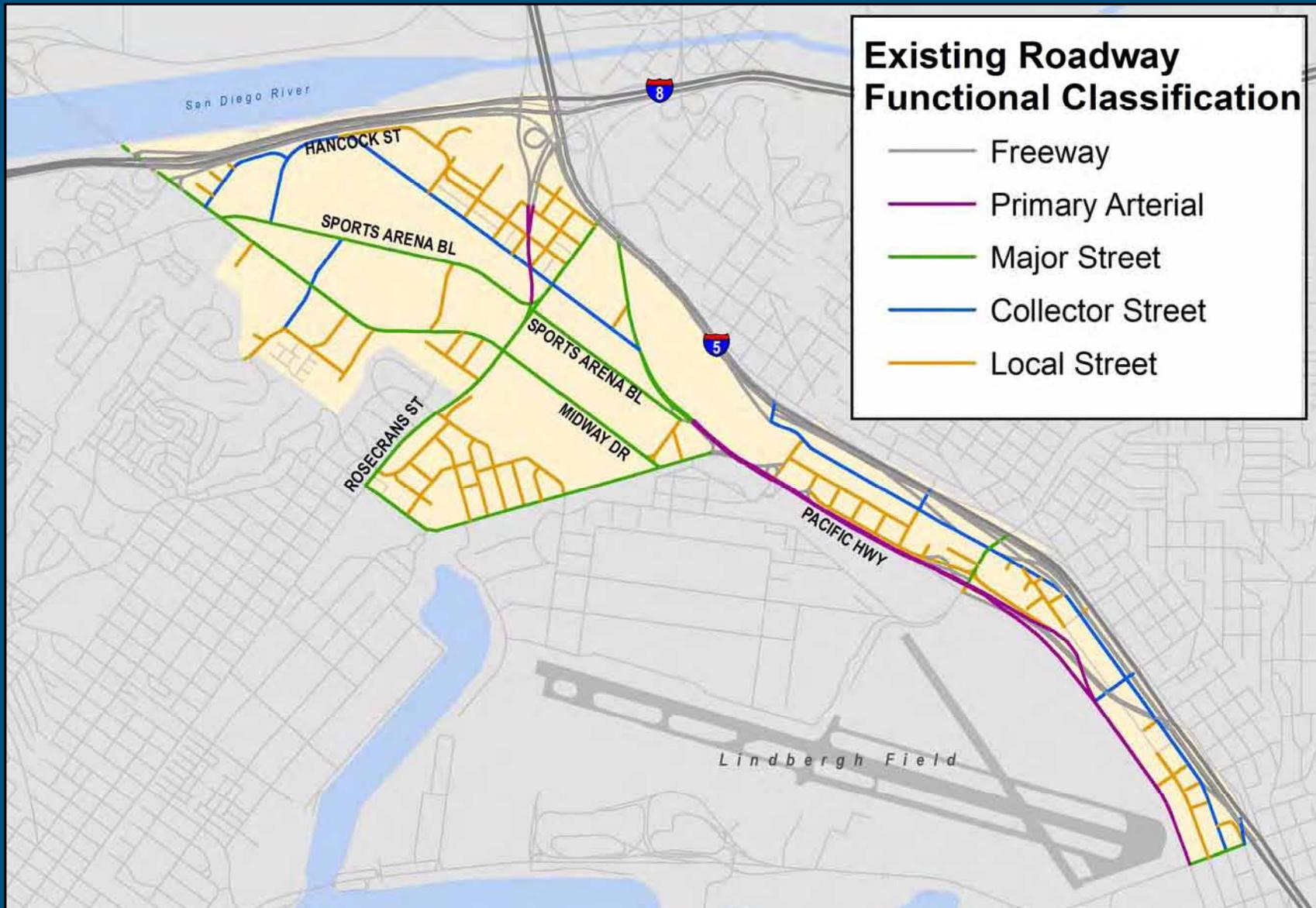
Introduction

Study Area



Roadway System

Existing Facilities



Roadway System

Constrained Circulation Network

- **Cut Through Traffic from Adjacent Communities**
- **Large Employers and Regional Destinations**
- **Rosecrans Street Connects Peninsula to I-5 and I-8**
- **Missing Freeway Connections:**
 - **I-5 South to I-8 West**
 - **I-8 East to I-5 North**
- **Camino del Rio West Only Access Point to I-5 North for Midway and Communities to the West**
- **Limited Access to Sports Arena Blvd East of Rosecrans Street**
- **Surface Streets Provide Direct Access to San Diego International Airport.**



Roadway System

Constrained Circulation Network

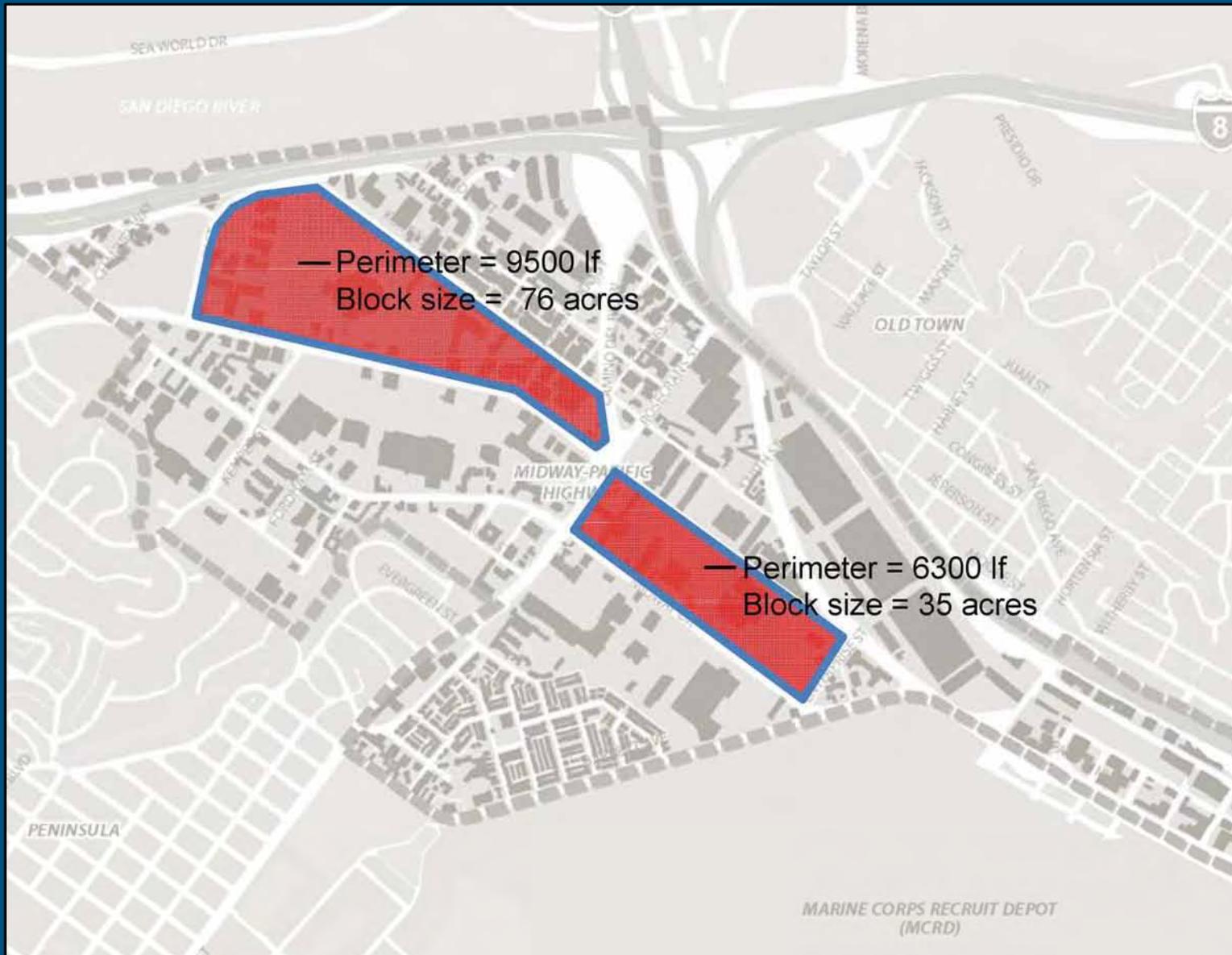
Large Block Sizes

- **Several Blocks Within the Community are Larger than 35 Acres**
- **Large Block Size Concentrates Vehicular Traffic to a Limited Number of Streets Creating:**
 - **Increased Travel Distance**
 - **Limited Circulation / Connectivity**
 - **High Traffic Volumes**
 - **Chokepoints and Bottlenecks**
- **Results in Congestion**



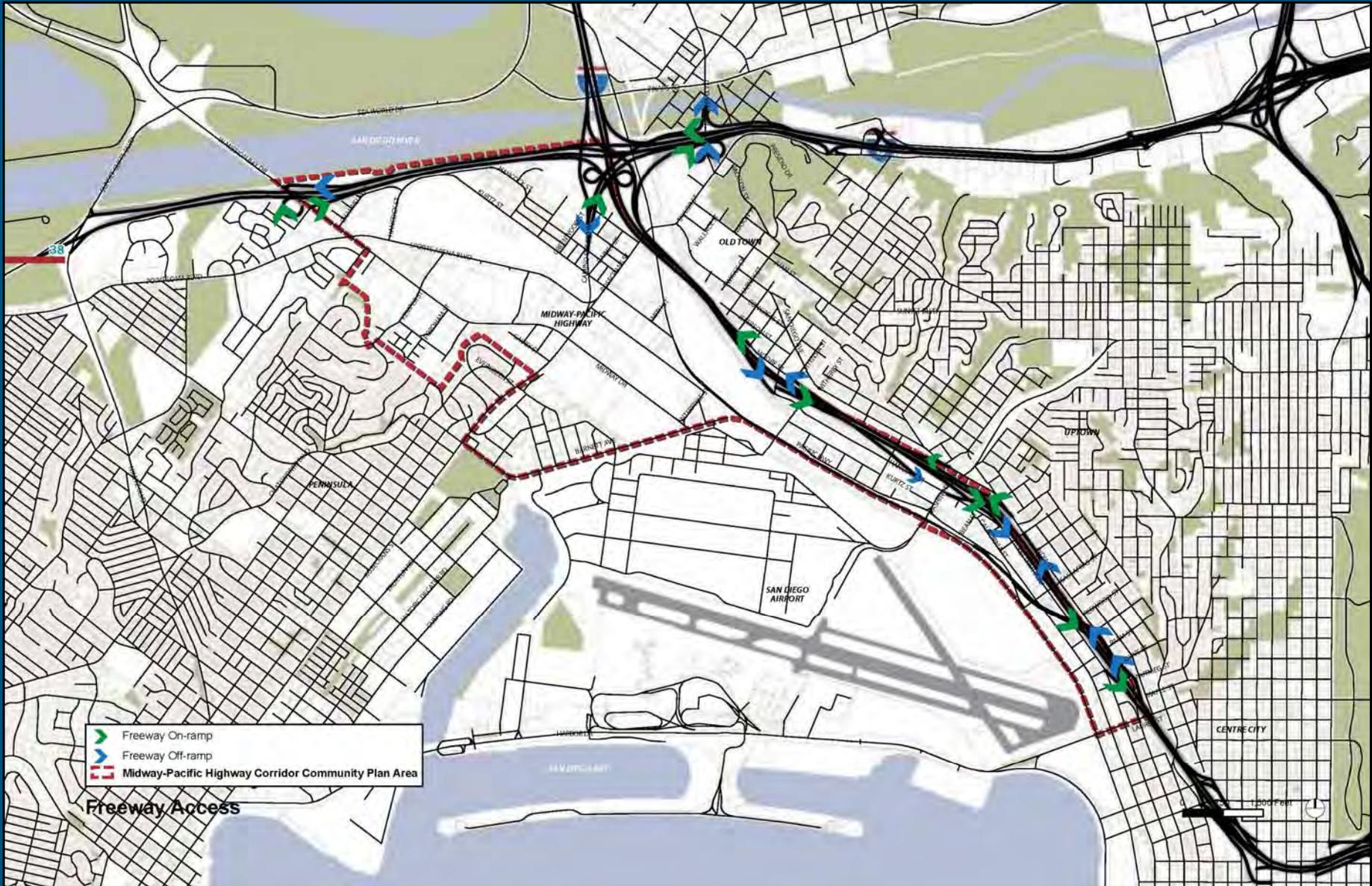
Roadway System

Examples of Large Block Sizes



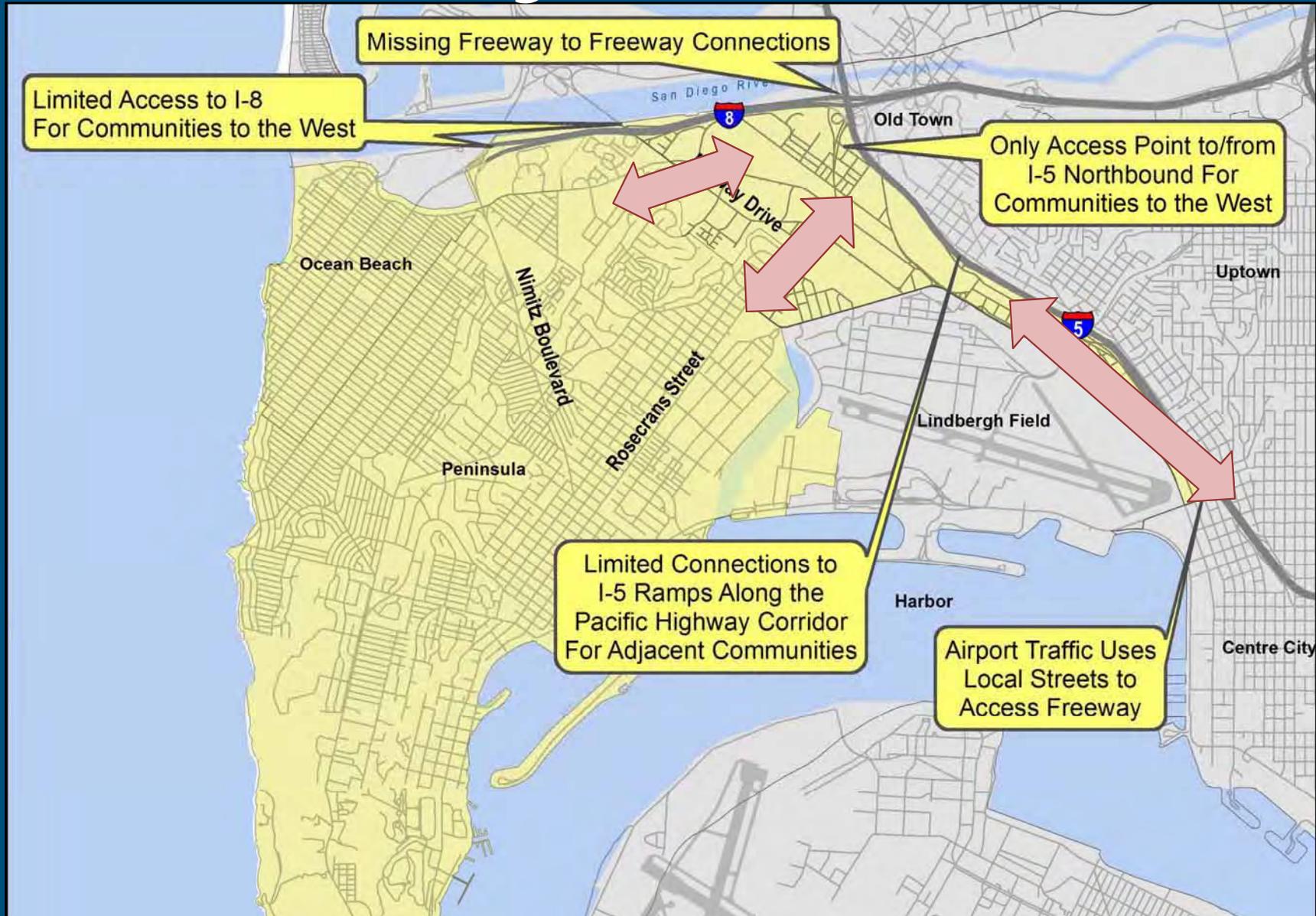
Roadway System

Regional Access



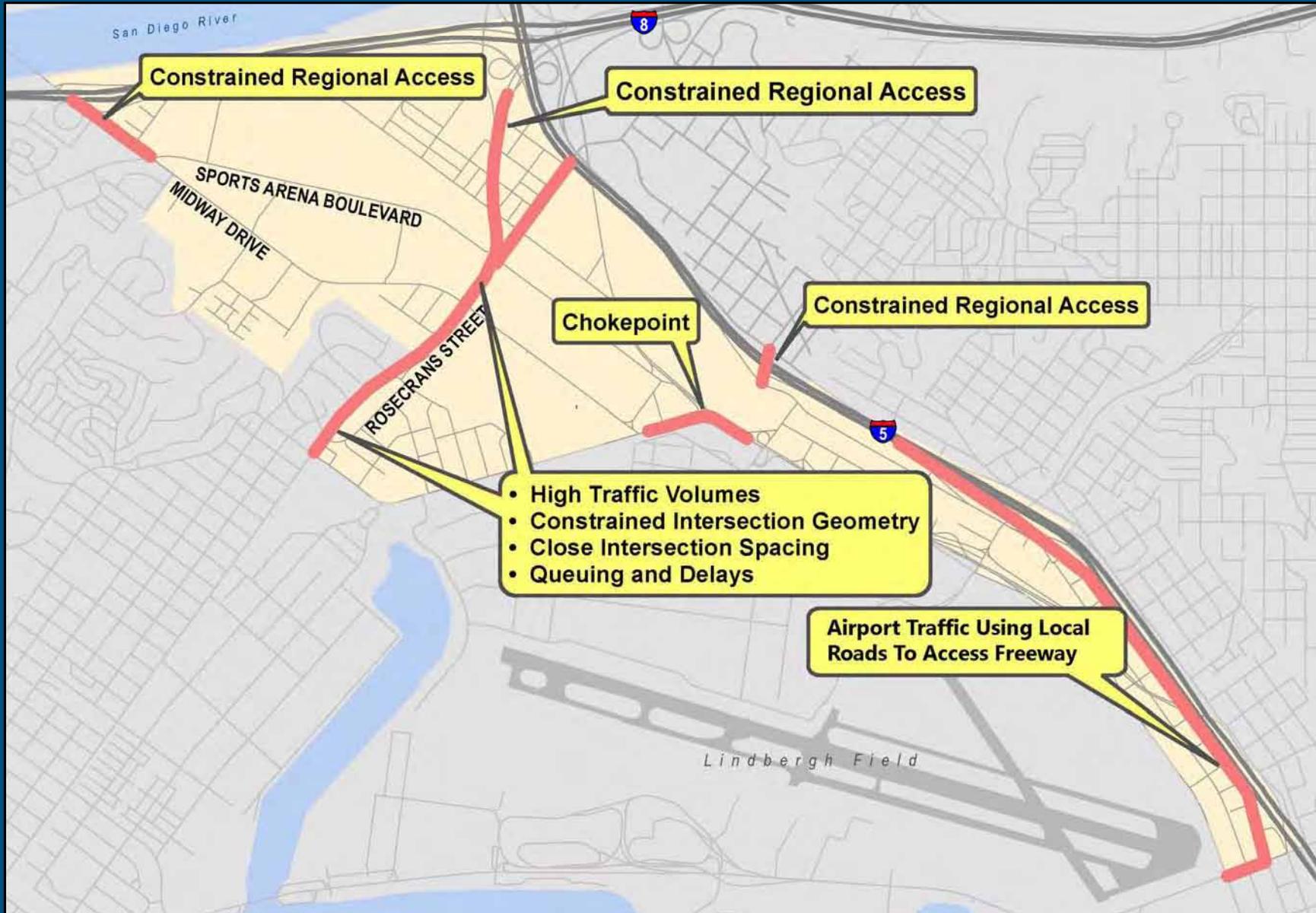
Roadway System

Constrained Regional Access



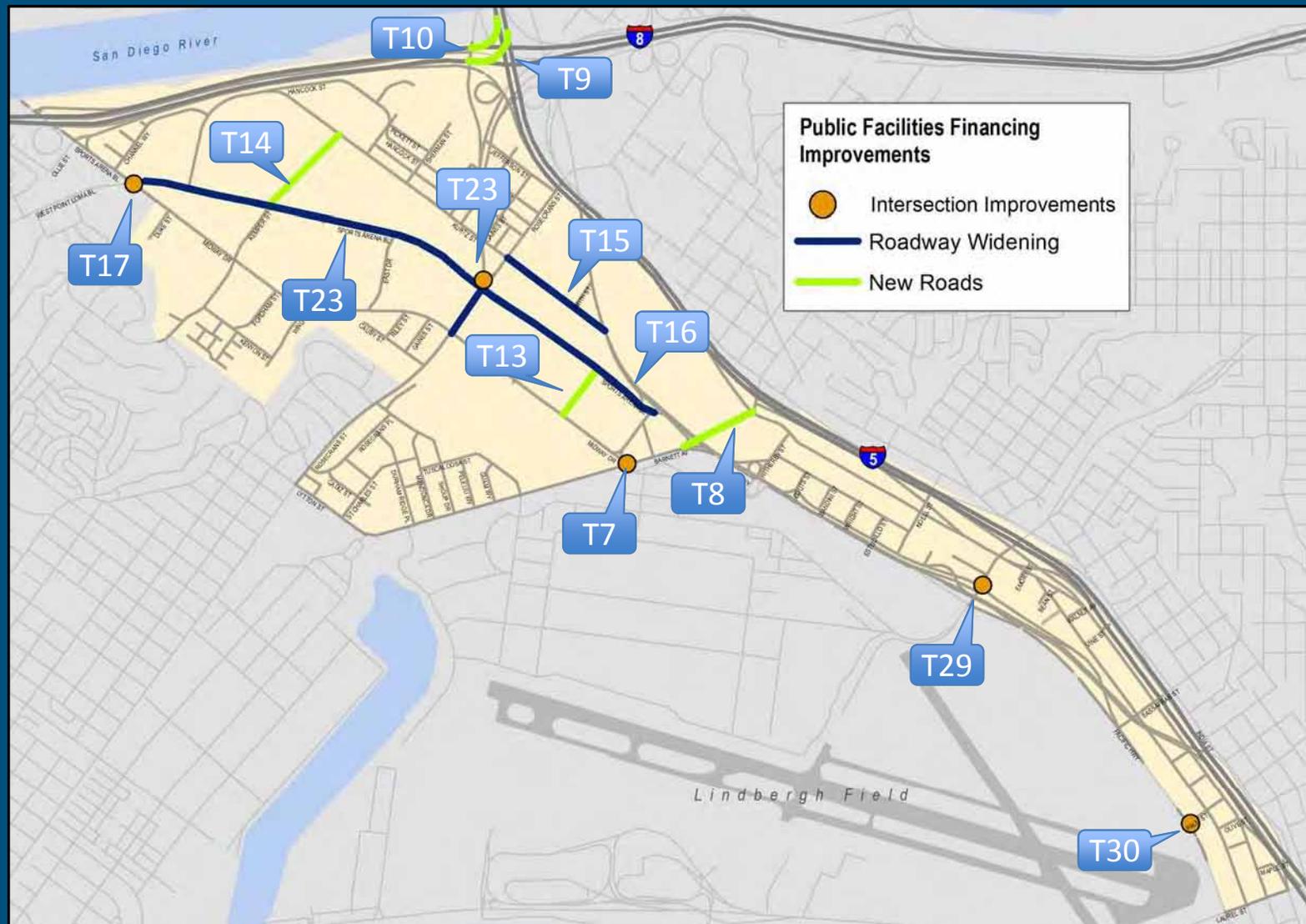
Roadway System

Issues/Needs



Roadway System

Midway-Pacific Highway Corridor Public Facilities Financing Plan, 2004



Roadway System

Midway-Pacific Highway Corridor Public Facilities Financing Plan, 2004

- **Signal Modifications**
 - Barnett Avenue / Midway Drive Intersection (Project T7)
 - Pacific Highway / West Washington Street Intersection (Project T29)
- **Extension/New Street**
 - Extension of Barnett Avenue from Pacific Highway to Old Town Avenue (Project T8)
 - Extension of Kemper Street from Sports Arena Boulevard to Hancock Street (Project T14)
 - New Street Connecting Sports Arena Boulevard and Midway Drive (Project T13)

Note: All Improvements Listed are Currently Unfunded

Roadway System

Midway-Pacific Highway Corridor Public Facilities Financing Plan (Continued)

- **Street Widening**
 - **Kurtz Street to a Four-Lane Major Between Rosecrans Street and Pacific Highway (Project T15)**
 - **Sports Arena Boulevard to a Four-Lane Collector Between Rosecrans Street and Pacific Highway (Project T16)**
- **Intersection Improvements**
 - **Midway Drive / Sports Arena Boulevard (Project T17)**
- **Ramp Connections (Not Included in 2050 RTP)**
 - **Eastbound I-8 to Northbound I-5 (Project T9)**
 - **Southbound I-5 to Westbound I-8 (Project T10)**

Note: All Improvements Listed are Currently Unfunded

Roadway System

Issues and Needs Identified by the Community

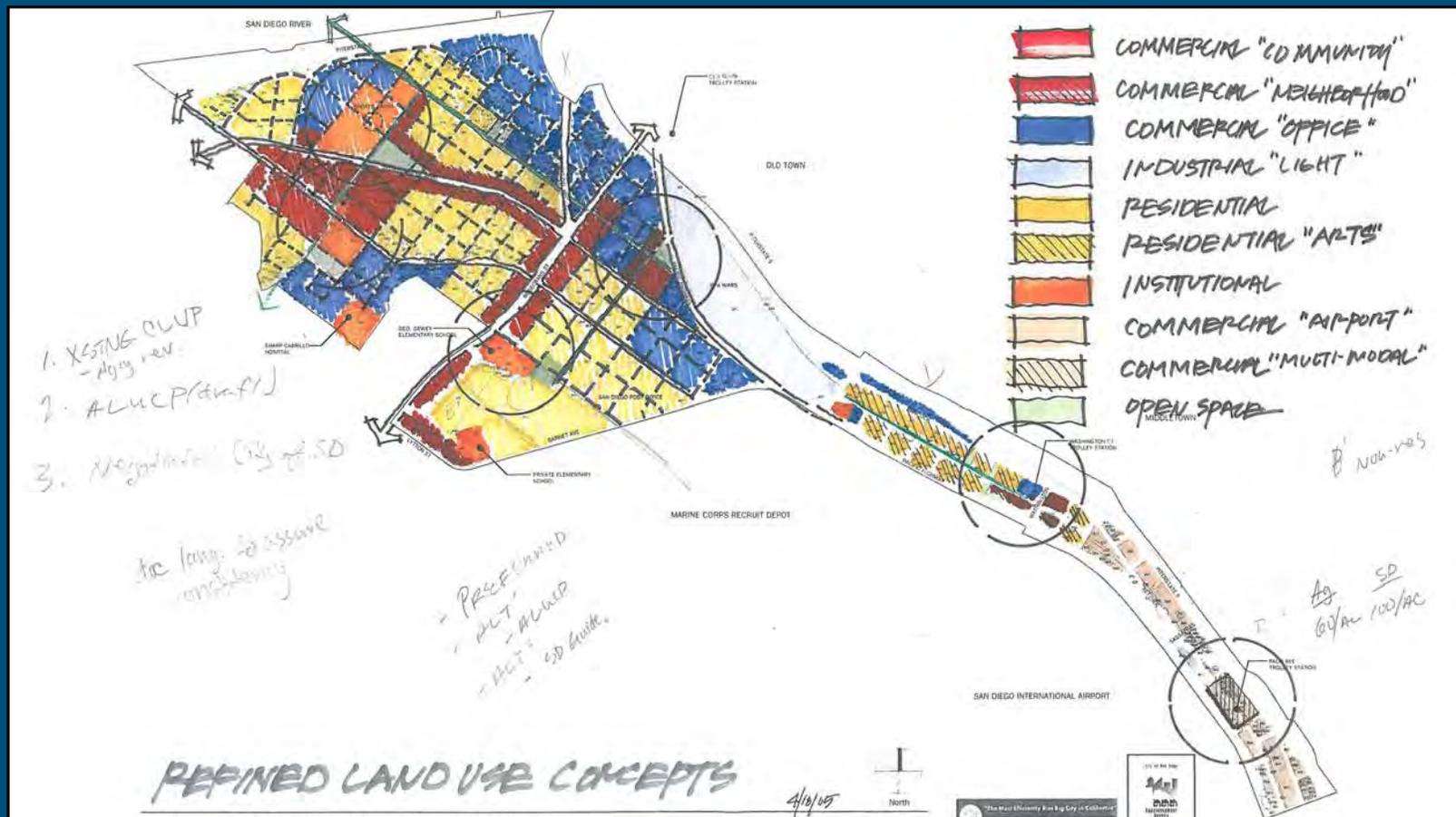
- High Traffic Volumes
- Limited Regional Access
- Mixing Regional and Local Traffic
- Closely Spaced Intersections
- Confusing Signage



Roadway System

Issues and Needs Identified by the Community

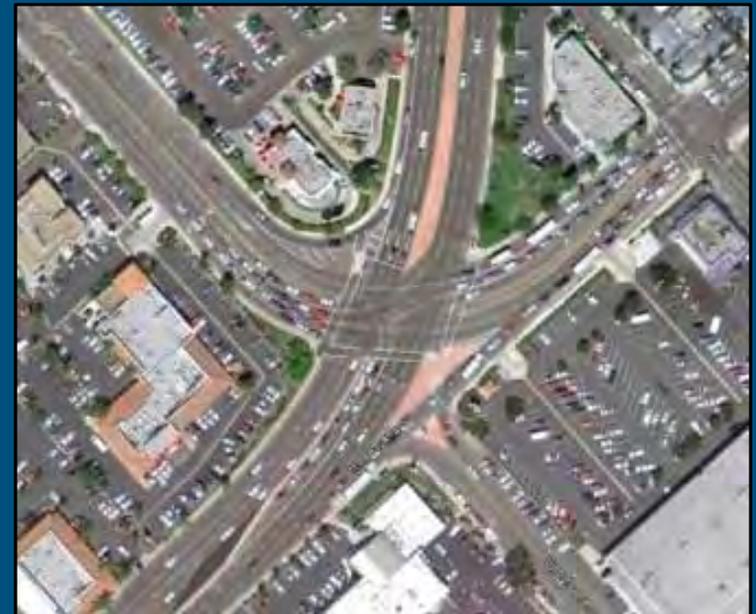
- Increase Roadway Connectivity By Providing Alternate Routes Through Large Blocks



Roadway System

Issues and Needs Identified by the Community

- **Prohibit Left-Turns from Camino del Rio West to Moore Street**
- **Connect Sports Arena Boulevard at Rosecrans Street Through to Pacific Highway**
- **Provide Missing Ramp Connectors Between I-5 and I-8**
- **Implement a Wayfinding Signage Program**



MIDWAY - PACIFIC HIGHWAY CORRIDOR

Community Plan Update



Questions?

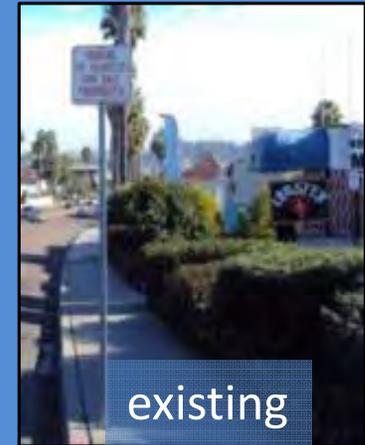
Pedestrian Facilities

Local Facility Types



Corridor

- Moderate Pedestrian Levels
- Street Front Retail Areas



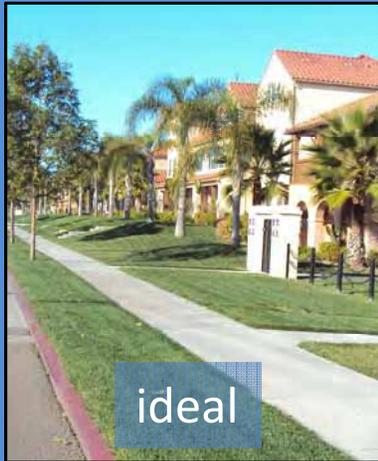
Connector

- Low Pedestrian Levels
- Single use or office, institutional, or employment areas



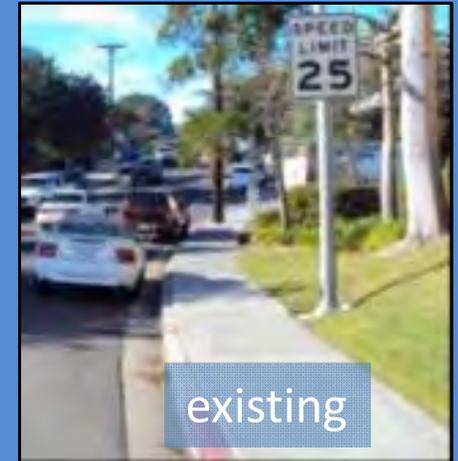
Pedestrian Facilities

Local Facility Types



Neighborhood

- Low to Moderate Pedestrian Levels
- Residential Areas



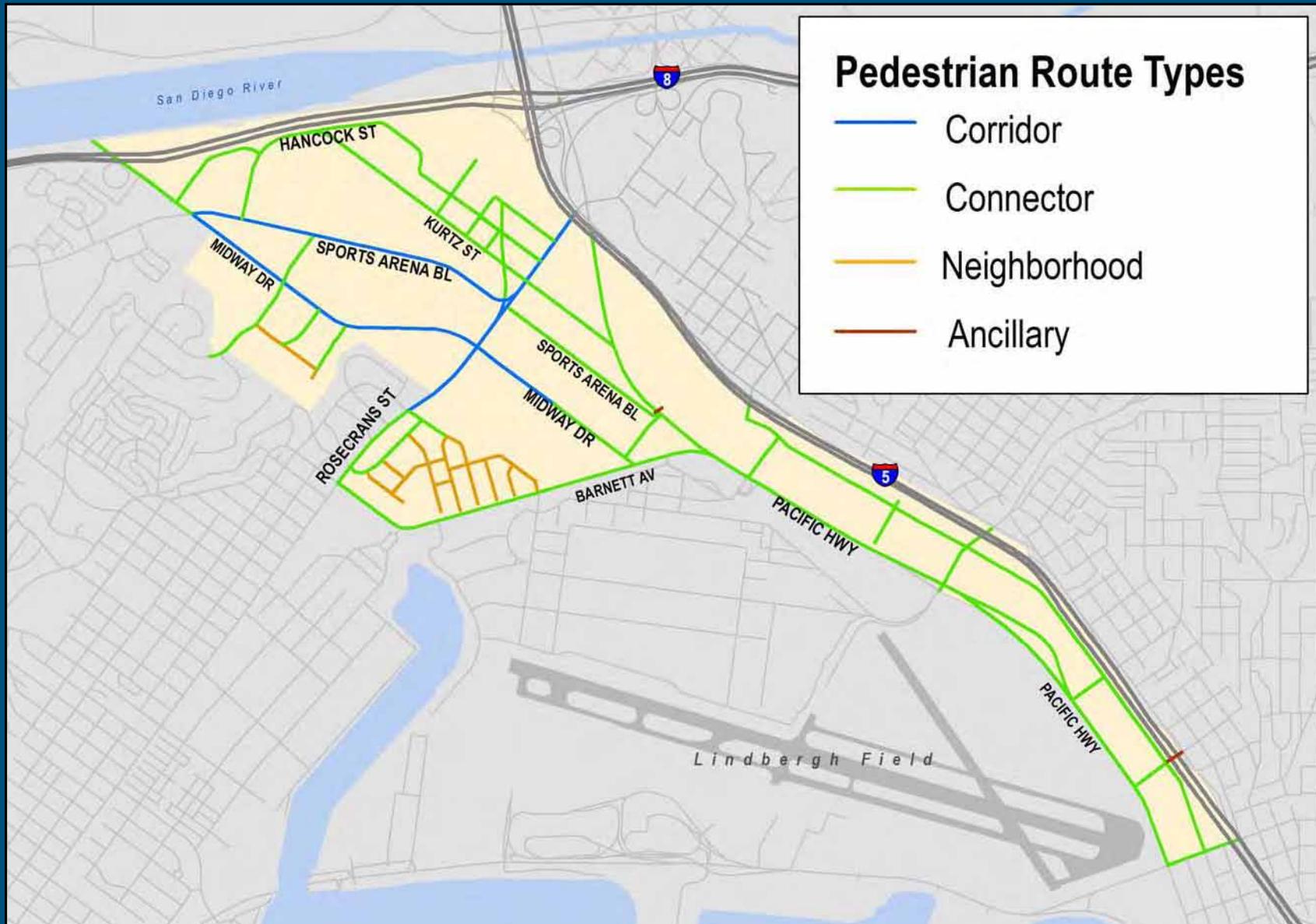
Ancillary

- Plazas, Paseos, Promenades, or Pedestrian Bridges and Stairways



Pedestrian Facilities

Existing Facilities



Pedestrian Facilities

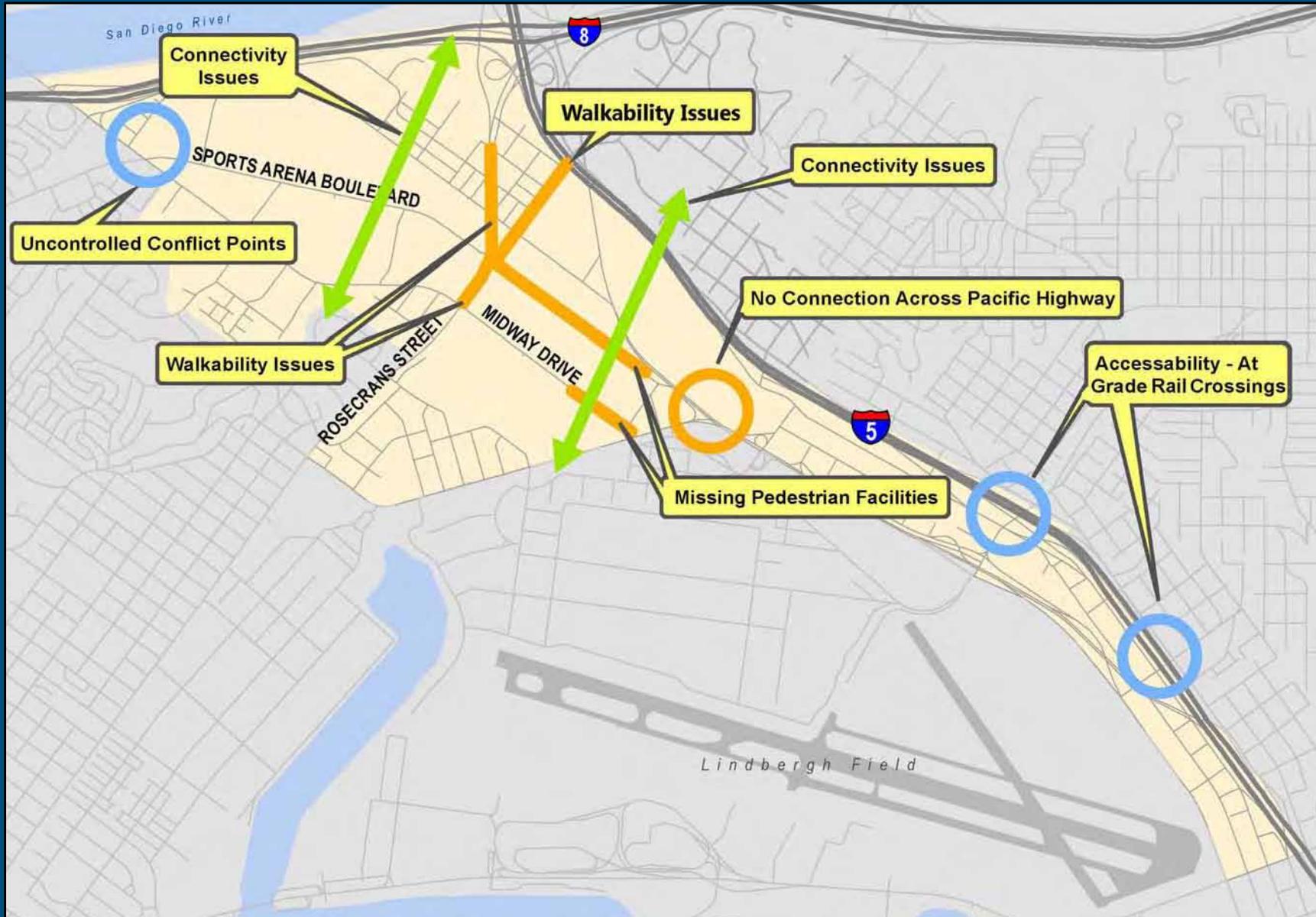
Evaluation Criteria

- **Safety**
- **Accessibility**
- **Connectivity**
- **Walkability**



Pedestrian Facilities

Issues/Needs



Pedestrian Facilities

Issues Identified by the Community

- Auto Oriented Community
- Overall Lack of Pedestrian Amenities, such as Pedestrian Lighting, Crosswalks, Shade Trees, etc.
- Some Areas Lack Continuous Sidewalks



Pedestrian Facilities

Issues Identified by the Community

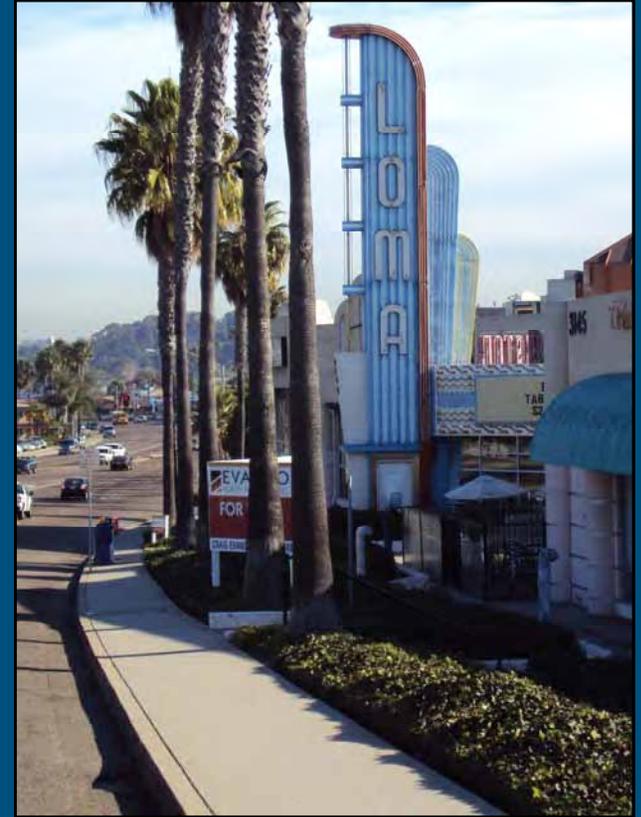
- Numerous Driveways and Side Streets Create Conflict Points With Pedestrians
- Narrow Contiguous Sidewalks Create Little to No Buffer From Vehicular Traffic
- Concerns Along Rosecrans Street at I-5 Underpass – Unfriendly Pedestrian Environment



Pedestrian Facilities

Needs Identified by the Community

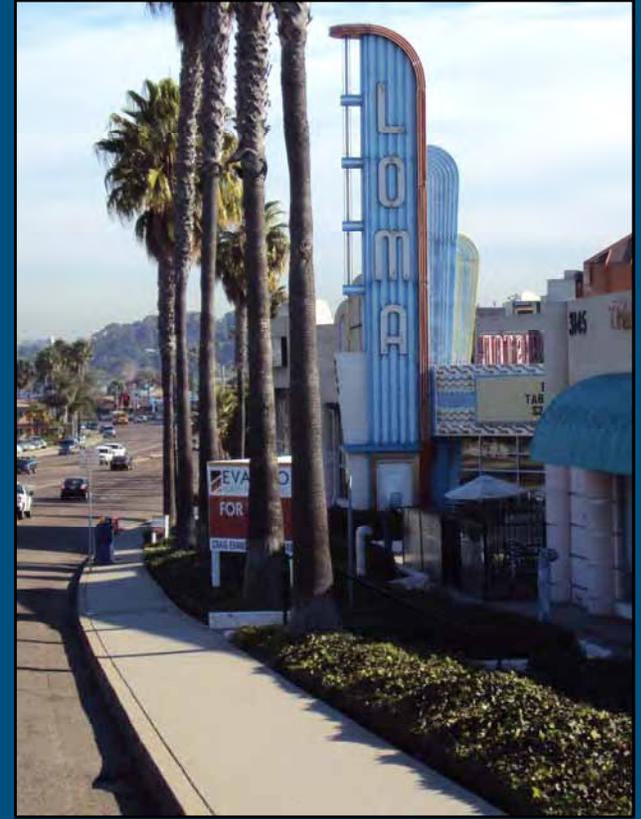
- **Tree-Lined and Walkable Main Streets**
- **Increase Pedestrian Connections**
- **Wider Sidewalks or Parkways Along Neighborhood Streets**



Pedestrian Facilities

Needs Identified by the Community

- Landscaping, Pedestrian Lighting and Signage Along Rosecrans Street, Midway Drive, and Sports Arena Drive
- Pedestrian Bridge Connection Across I-8 to the San Diego River



Pedestrian Facilities

Midway-Pacific Highway Corridor Public Facilities Financing Plan, 2004

- **Install / Upgrade 169 Curb Ramps to Meet ADA Standards (T25)**

Note: Improvement is Currently Unfunded



MIDWAY - PACIFIC HIGHWAY CORRIDOR

Community Plan Update



Questions?

Bicycle Facilities

Bicycle Route Types

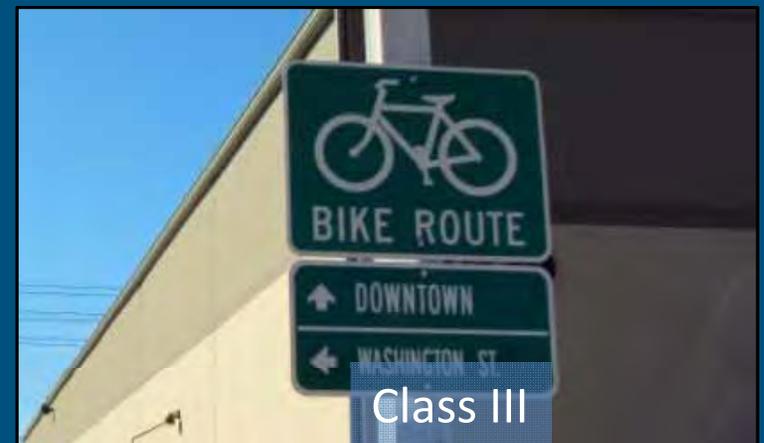
- **Cycle Track: Exclusive Bicycle Path With the On-Street Infrastructure of a Conventional Bike Lane (Class II)**
- **Class I – Bicycle Path: Paved Bicycle Right-of-Way Completely Separated from Any Street or Highway**



Bicycle Facilities

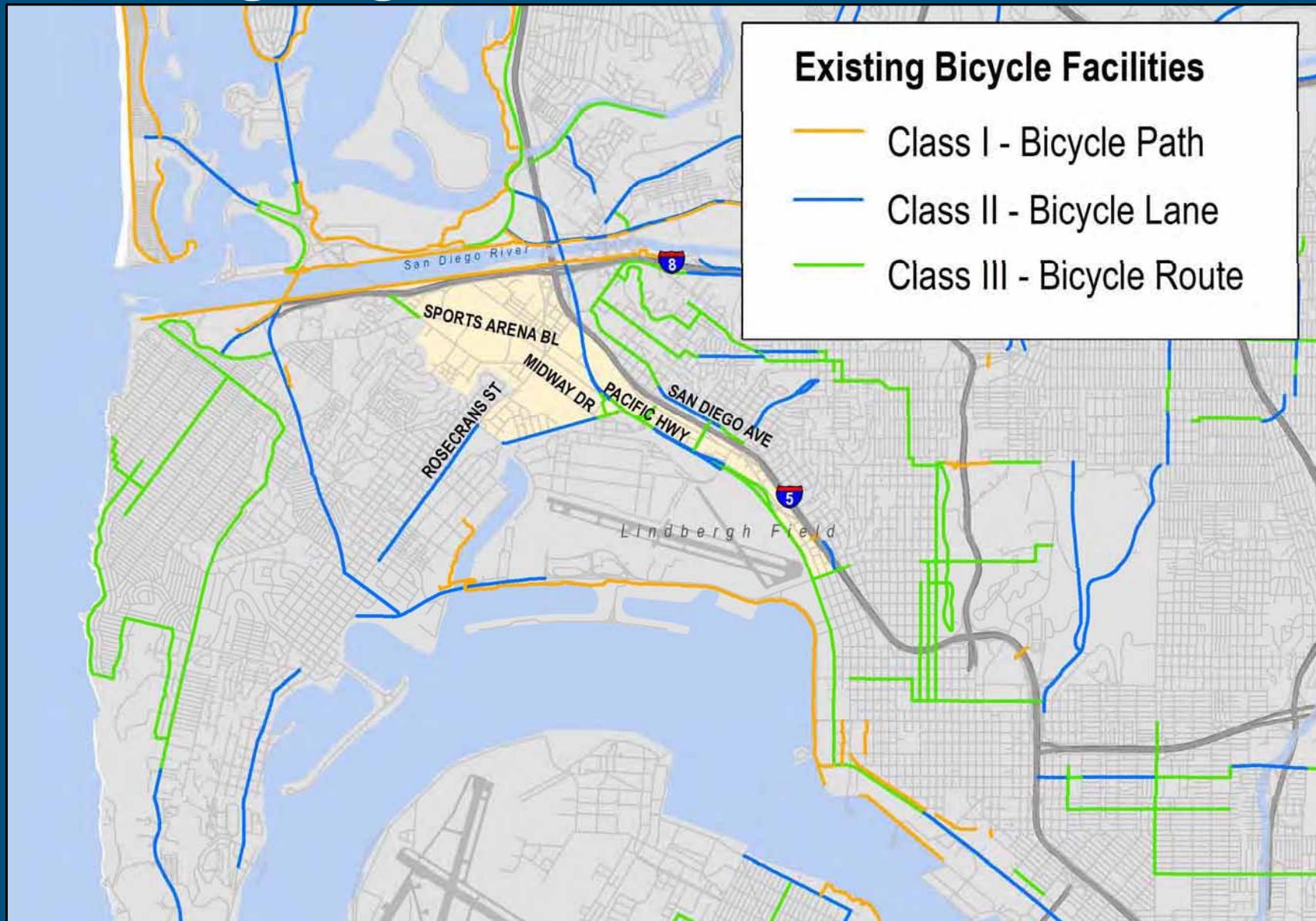
Bicycle Route Types

- **Class II – Bicycle Lane:**
Striped and Stenciled Lane for One-Way Travel on a Street or Highway
- **Class III – Bicycle Route:**
Shared Use Right-of-Way With Pedestrian or Motor Vehicle Traffic Identified Only by Signing or Markings (Sharrows).



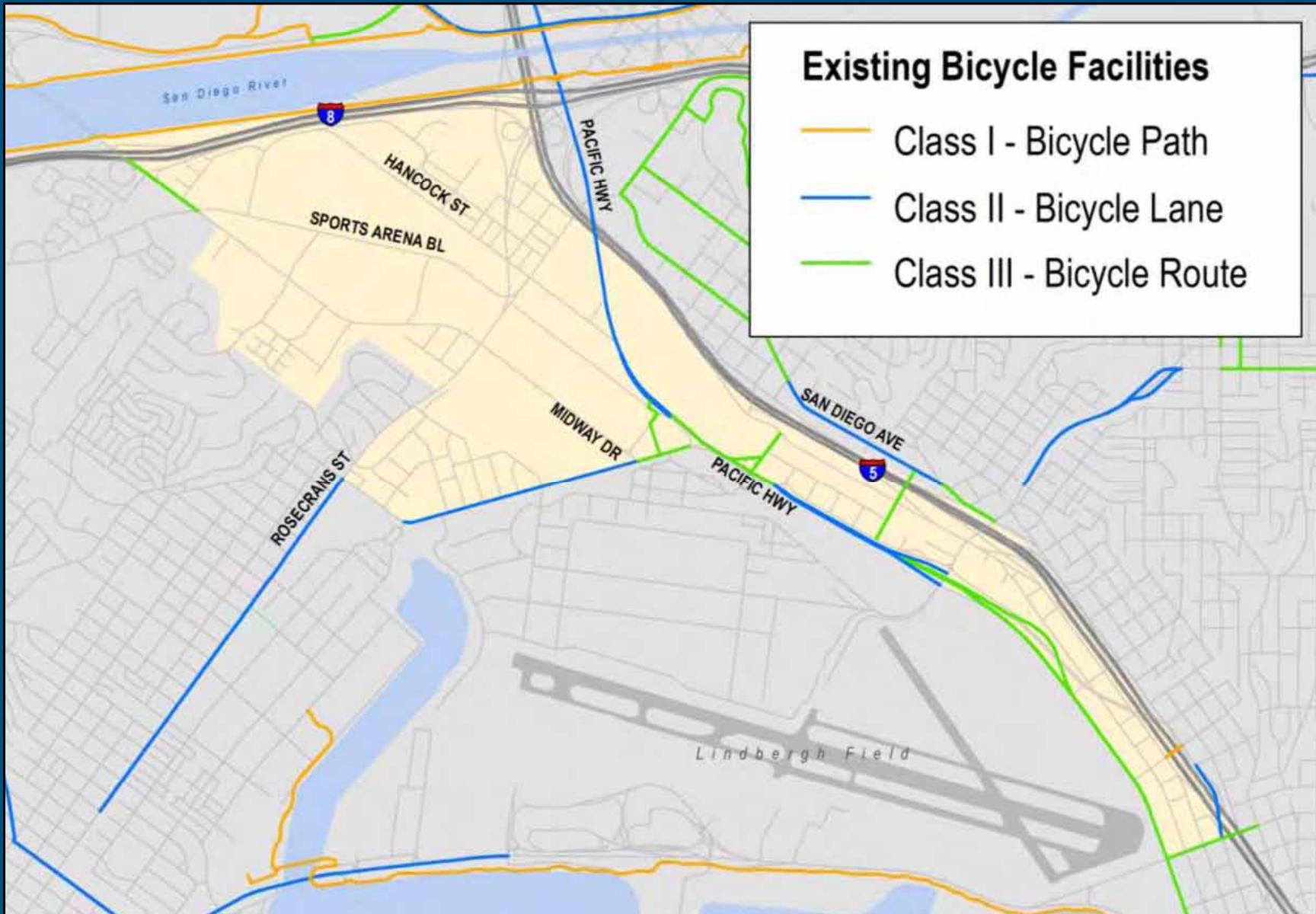
Bicycle Facilities

Existing Regional Network



Bicycle Facilities

Existing Local Network



Bicycle Facilities

Evaluation Criteria

- **Bicycle Facilities (Existing)**
- **Roadway Width**
- **Traffic Volumes and Speed**
- **On-Street Parking**
- **Conflicts (Side Streets, Alleyways and Driveways)**



Bicycle Facilities

Issues/Needs



- **High Bicycle Demand**
- **Lack of Bicycle Facilities / Right-of-Way**
- **Numerous Conflict Points Between Vehicles and Cyclists**
- **High Traffic Volumes and Speeds**

Bicycle Facilities

Recommended Facilities



Bicycle Facilities

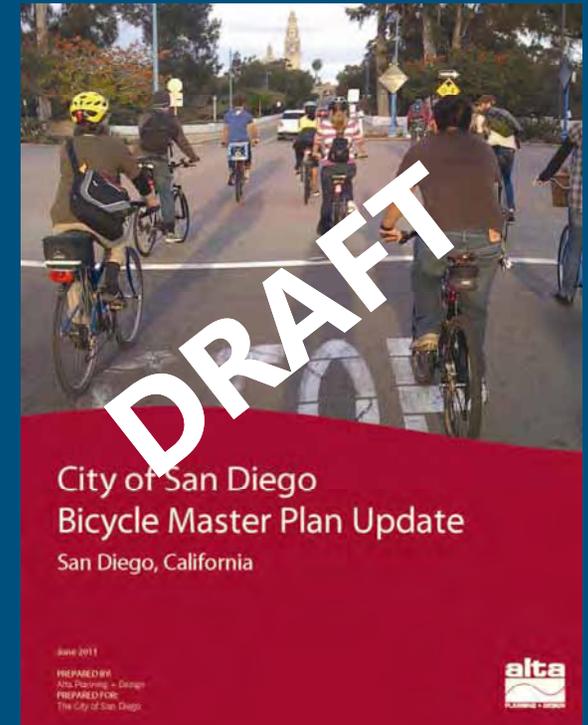
Draft Bicycle Master Plan, 2011

Cycle Track

- Coastal Rail Trail (Existing)
- Pacific Highway (Existing Class II)

Class II Bike-Lanes

- Sports Arena Boulevard
- Midway Drive
- Hancock Street
- Kemper Street
- Rosecrans Street
- Laurel Street
- Sassafrass Street
- Witherby Street
- Barnett Avenue (Existing Class III)

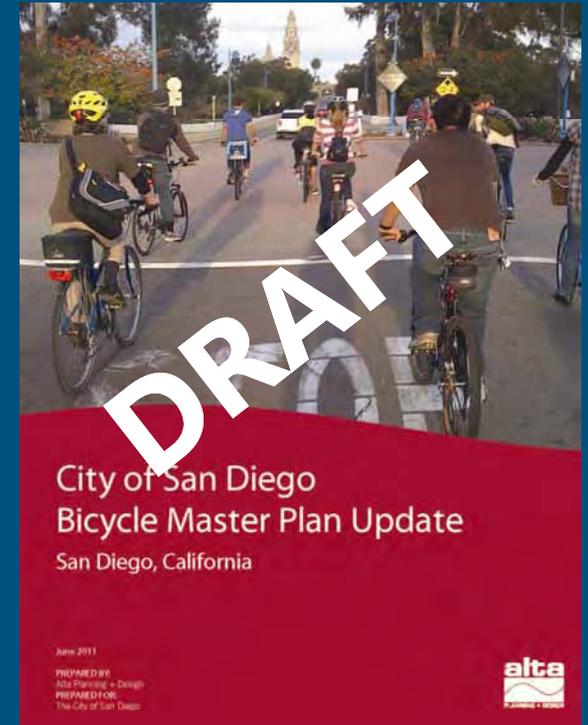


Bicycle Facilities

Draft Bicycle Master Plan, 2011

Class III Bike Routes

- Sports Area Boulevard
(South of Rosecrans Street)
- Lytton Street
- Noell Street



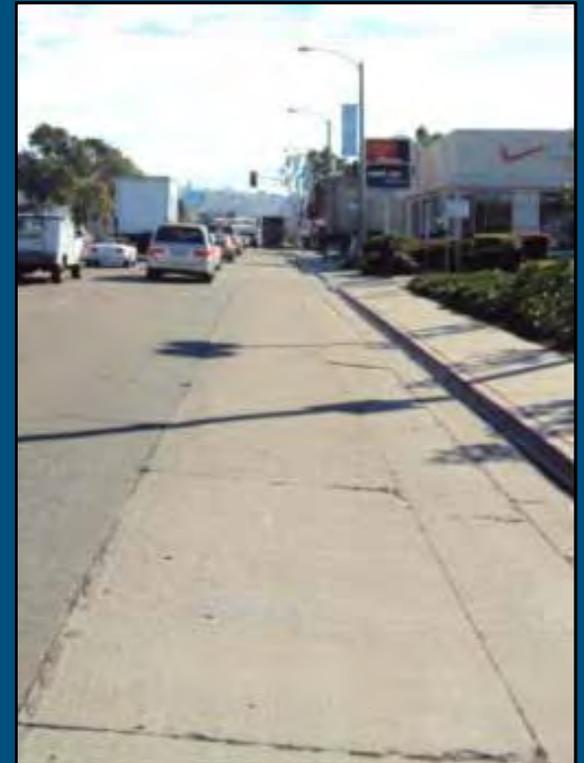
Bicycle Facilities

Midway-Pacific Highway Corridor Public Facilities Financing Plan, 2004

Class II Bike-Lanes

- Sports Arena Boulevard Between Rosecrans Street and Pacific Highway (T23)

Note: Improvement is Currently Unfunded



Bicycle Facilities

Issues Identified by the Community

- Auto Oriented Community
- Overall Lack of Bicycle Facilities and Amenities
- Numerous Driveways and Side Streets Create Conflict Points With Cyclists



Bicycle Facilities

Needs Identified by the Community

- **Improve Facilities on Rosecrans Street, Midway Street and Sports Arena Boulevard**
- **Improve Connections to Surrounding Communities**



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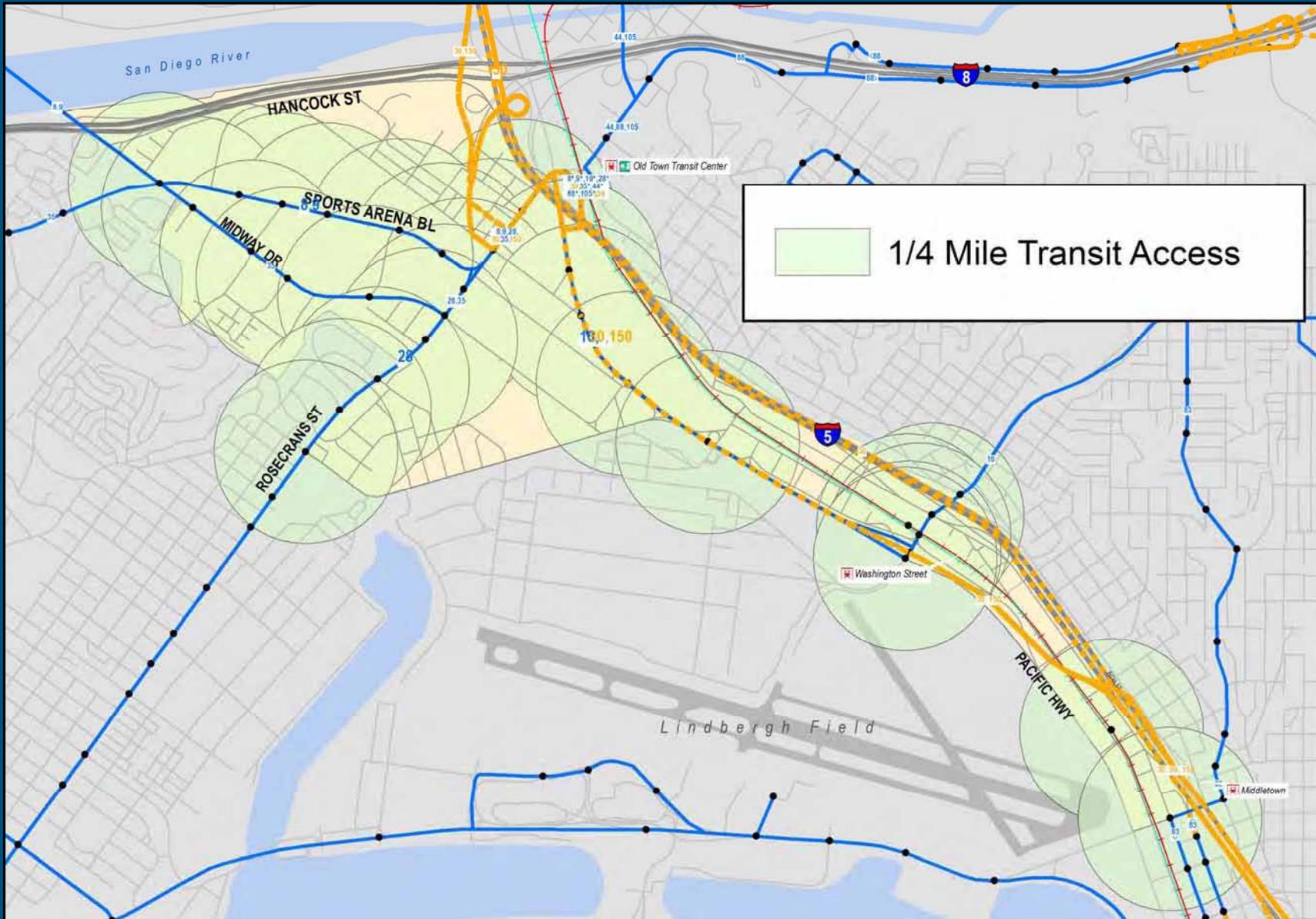
Community Plan Update



Questions?

Public Transit

Transit Coverage



Public Transit

Issues / Needs

- **Bus Route 28 at Capacity During the Evening Peak Hour**
- **Queuing/Delays Along Rosecrans Street Can Disrupt Bus Service/Schedules**



Public Transit

Issues Identified by the Community

- Preference for More Transit Oriented Development
- Lack of Transit Connections to the Airport



Public Transit

Regional Improvements Under Study

- **Mid-Coast Light Rail Project**
- **Intermodal Transportation Center**



MIDWAY - PACIFIC HIGHWAY CORRIDOR

Community Plan Update



Questions?

Parking

Existing Conditions

On-Street Parking

- **Over 1,200 On-Street Parking Spaces Surveyed**
- **Averages 60% Occupancy During Typical Weekday**

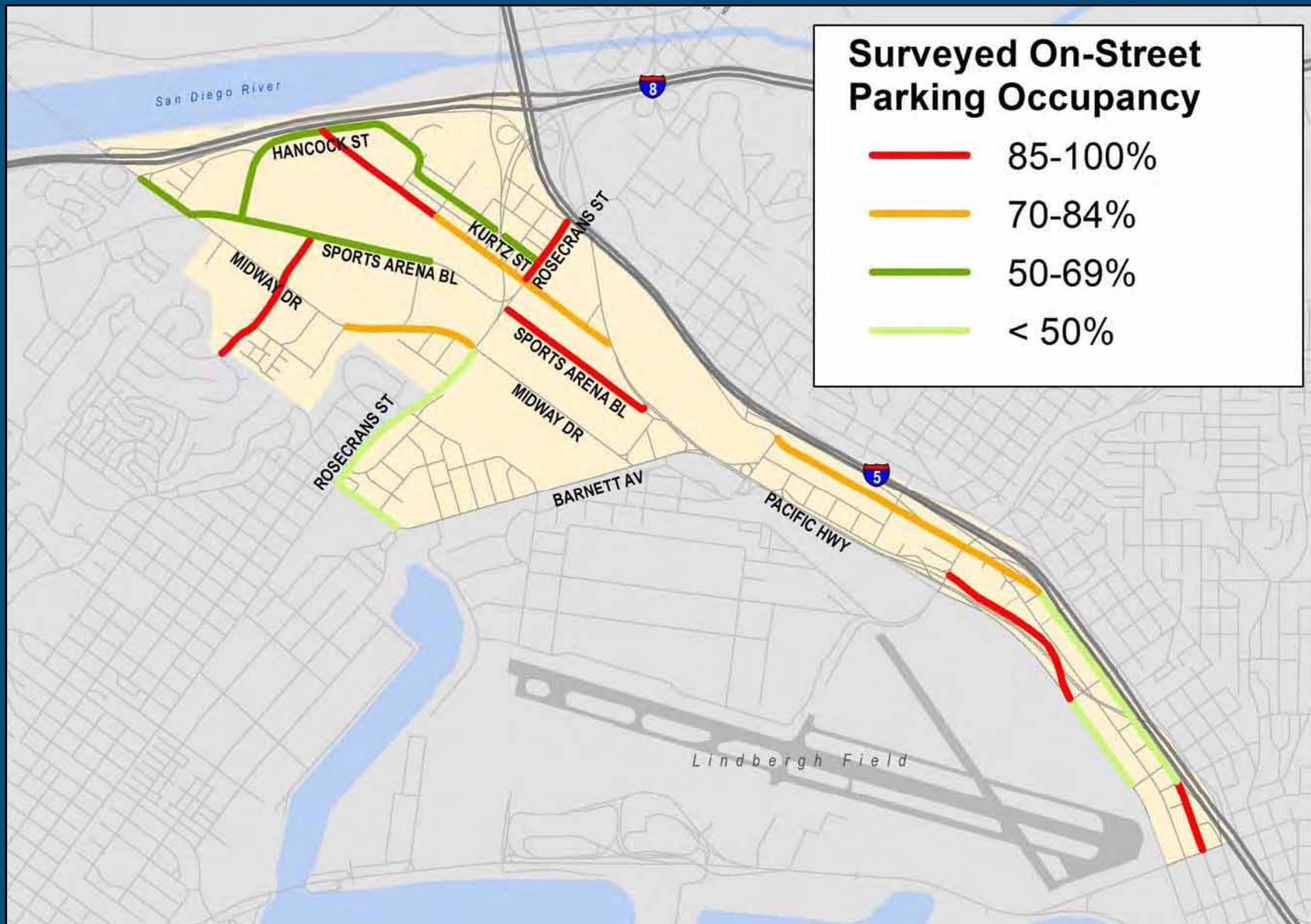
Off Street Parking

- **Majority of Parking is Provided by Off-Street Private Parking Lots Serving a Specific Use**
- **No Off-Street Public Parking Lots Within the Community**



Parking

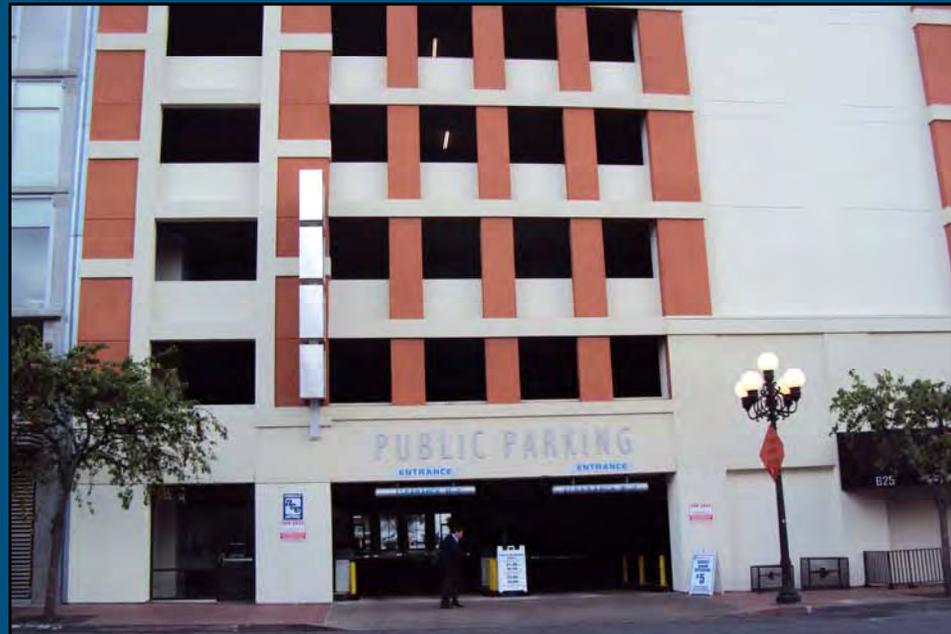
Existing Facilities



Parking

Needs Identified by the Community

- Future Public Parking Structure(s) in Association with Transit Oriented or Mixed-Use Developments



MIDWAY - PACIFIC HIGHWAY CORRIDOR

Community Plan Update



Questions?

Next Steps

- **Take Community Input and Refine**
- **Include in Existing Conditions Report**



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