



ANAHEIM > RAPID > CONNECTION



U.S. Department of Transportation
Federal Transit Administration



OCTA Board Activities Completed

Date

Approved Funding for Measure M Go Local Program - Step One

\$100,000 grant to study linking a Metrolink station with major activity and employment centers. In 2007, the City adopted the Transit Master Plan. The highest potential ridership concept was a high capacity system connecting ARTIC, the Platinum Triangle and The Anaheim Resort.

2006

Approved Funding for Measure M Go Local Program – Step Two

\$6 million to prepare an Alternatives Analysis, conceptual engineering, and state and federal environmental documentation

2008

Approved Funding for Project Development and Preliminary Engineering (PE) Activities

\$18,535,000 for preparation of environmental studies, additional ridership modeling, financial studies, Federal New Starts funding applications and PE activities. The City completed the Alternatives Analysis Report in 2012. On October 23, 2012, the City Council selected the Streetcar Alternative as the Locally Preferred Alternative (LPA).

2011

Approved Funding Adjustment for Project Development and PE Activities

Adjusted the funding amount to \$13,352,000 to reflect the reduced costs associated with the Streetcar LPA

Jan, 2013

Approved the completion of project milestones /advancement to next milestone

Milestones included completion of Alternatives Analysis and the City Council's selection of the Streetcar as the Locally Preferred Alternative (LPA). Next project milestone is completion of draft environmental documents of City's LPA.

July, 2013

Directed OCTA staff to work with the City on Project Compatibility/Cost Savings Activities

Ensure the development of the LPA provides for compatibility with the Santa Ana/Garden Grove (OC Streetcar) Fixed-Guideway Project; and, develop strategies to reduce costs, consistent with the project's identified goals and objectives as well as the value engineering efforts utilized by the Federal Transit Administration

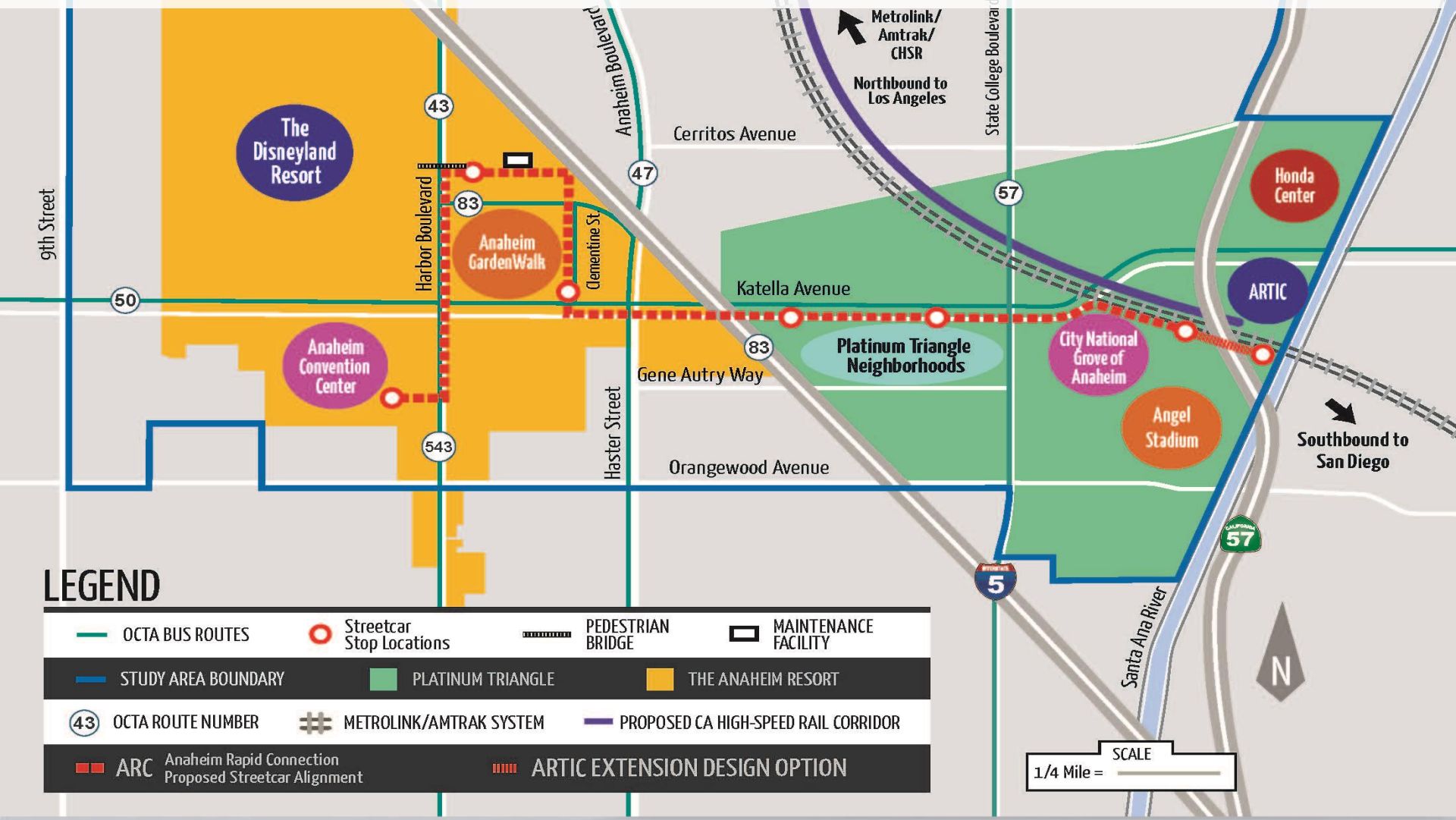
July, 2013

Preparation of Environmental Documentation

City issued a Notice of Preparation/Initial Study of state and federal environmental documentation for public review in December 2013-January 2014 and conducted a Public Scoping Meeting in January 2014. The Anaheim City Council approved additional project activities to be added to the environmental documentation (including refined ARC LPA, Disney Way Option and ARTIC Station options) in September 2015.

Underway

Streetcar Locally Preferred Alternative (LPA) - Selected 2012



LEGEND

OCTA BUS ROUTES	Streetcar Stop Locations	PEDESTRIAN BRIDGE	MAINTENANCE FACILITY
STUDY AREA BOUNDARY	PLATINUM TRIANGLE	THE ANAHEIM RESORT	
OCTA ROUTE NUMBER	METROLINK/AMTRAK SYSTEM	PROPOSED CA HIGH-SPEED RAIL CORRIDOR	
ARC Anaheim Rapid Connection Proposed Streetcar Alignment	ARTIC EXTENSION DESIGN OPTION		

SCALE
1/4 Mile =

Transportation Services - Demand, Need and Future

Fueling Future Mobility and Transit-Oriented Development

2012

2035

51,000 employees

25,000 residents

25 million visitors annually

75,000 employees*

41,000 residents*

31 million visitors annually**

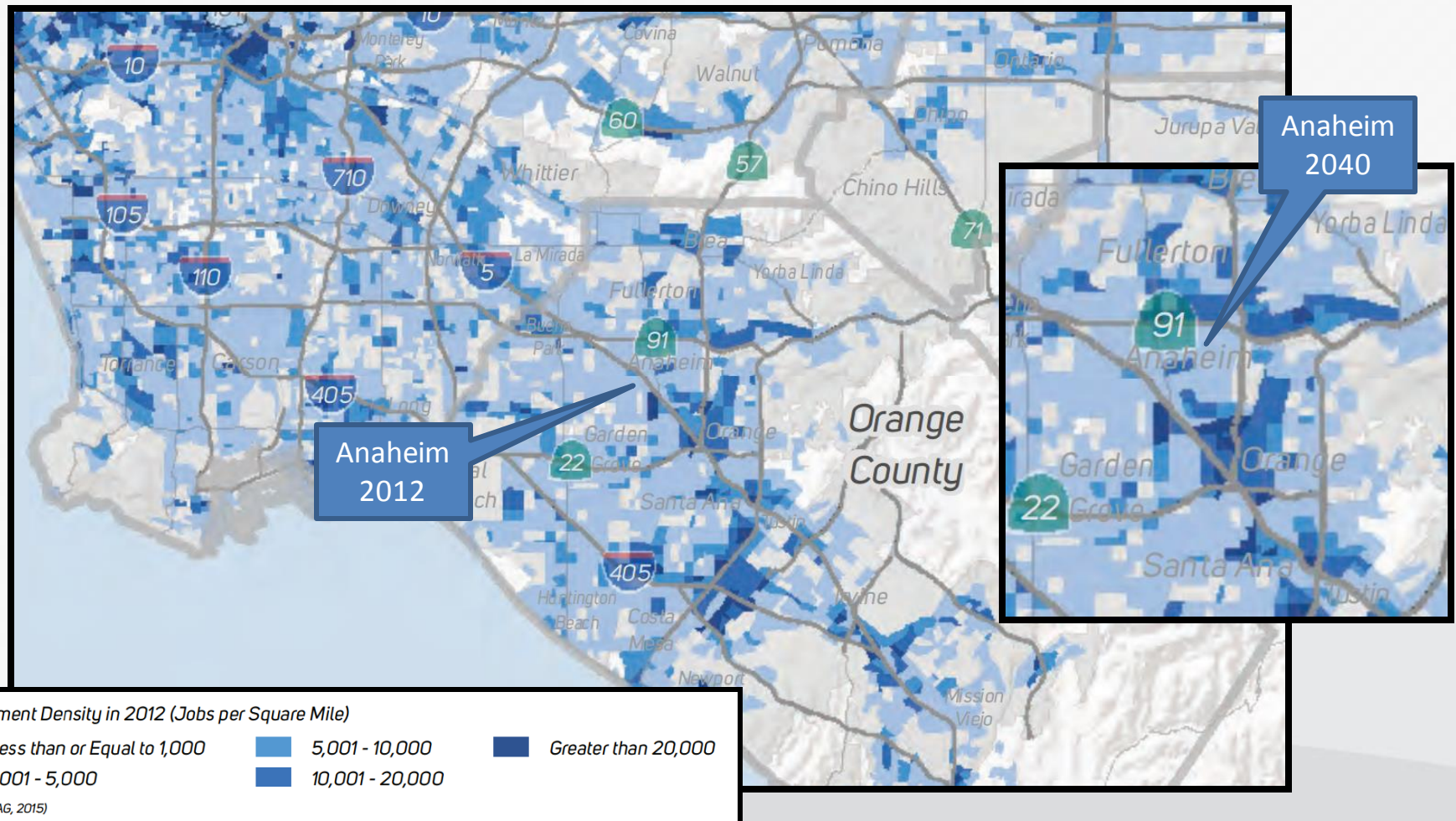
*Projected growth (ARC Alternatives Analysis Report 2012; Orange County Projections 2010)

**Visitors and Convention Bureau (2013)

All within **five square** miles and at the doorstep of the Anaheim Regional Transportation Intermodal Center (ARTIC)

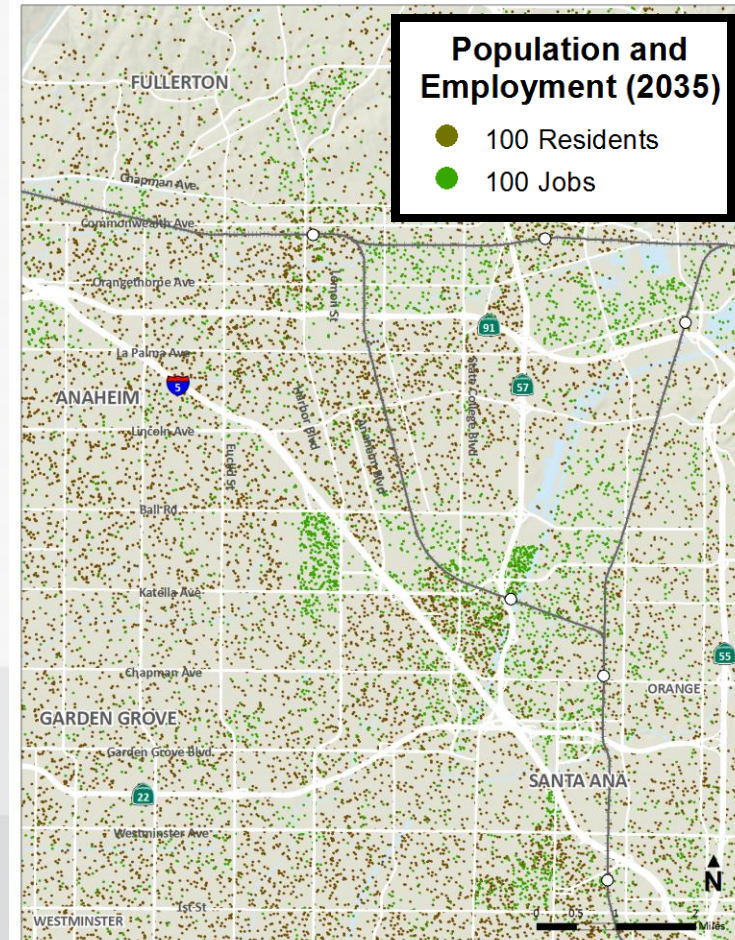
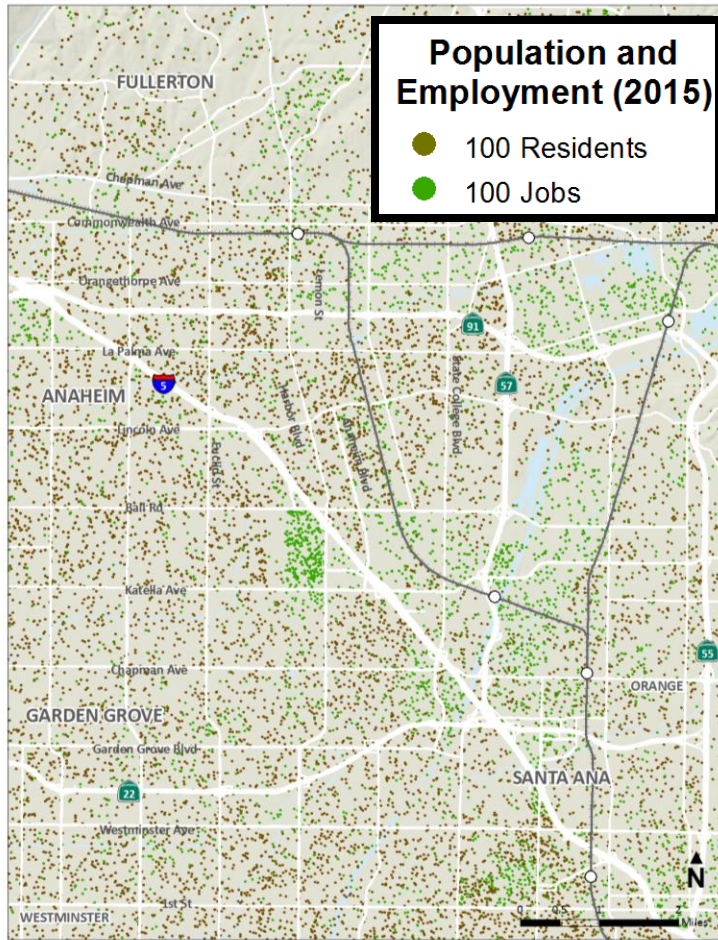


Employment Density in the SCAG Region



Source: 2016 SCAG Regional Transportation Plan/Sustainable Communities Strategy

Employment and Population



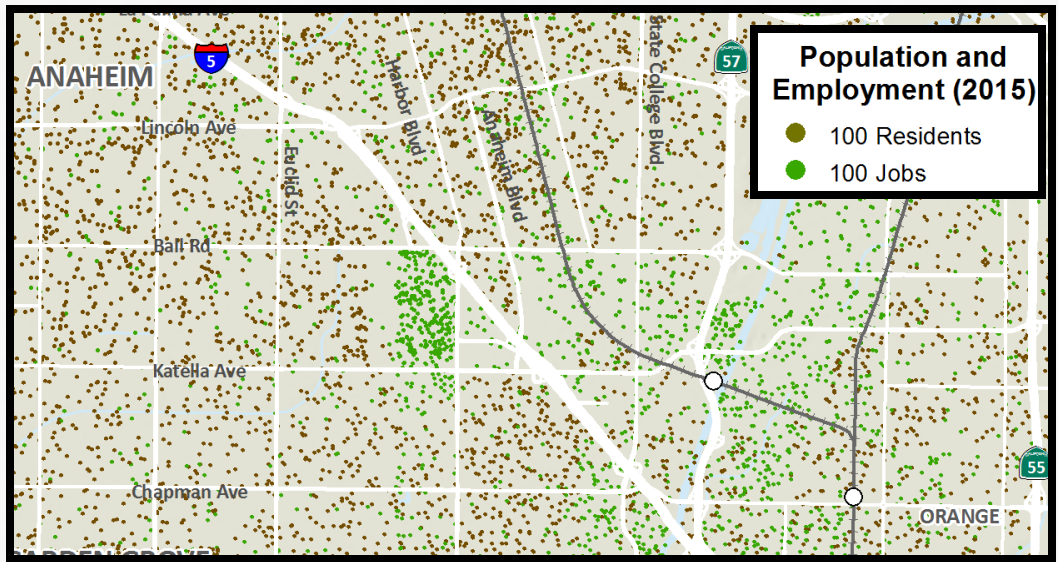
Source: Orange County Projections (OCP) 2015

Employment and Population

Employees Per Square Mile:

- The Anaheim Resort
22,505 employees/square mile
(over 38,000 employees for this
1.7 square mile area)
- Platinum Triangle
8,904 employees/square mile
(approximately 12,500
employees for this 1.4 square
mile area)

Population: Growth in Residential
Neighborhoods in the Platinum
Triangle

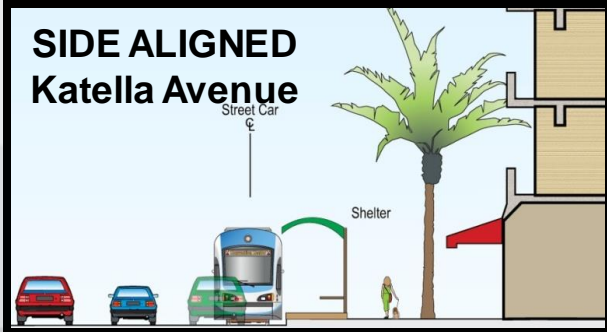
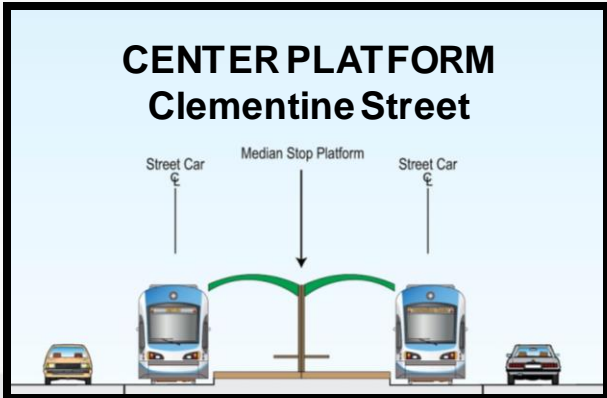


Streetcar Elements

- Design – Compatible with OC Streetcar
- Shares Lane with Vehicles
(does not eliminate a traffic lane)



ARC By The Numbers	
Fleet Size	10
Streetcar Capacity	120-150 Passengers/Vehicle
Track Miles	6.4 (3.2 track miles in each direction)
Stations	6 - 7 stops in each direction
Frequency over 18-Hour Day (Could increase to 24-Hour Day as needed)	18-hour 10 Minutes (Peak) 20 Minutes (Off-Peak) (More frequent service to respond to major events)
Travel Time (End to End)	18 Minutes



Streetcar – Last Mile Transit Connection to Relieve Traffic

- **Average Daily Traffic (ADT) Counts/Level of Service (LOS)***

	2012 (Existing Maximum)	2035 (Projected Maximum)
Katella Avenue	41,446 ADT (Average LOS C)	72,871 ADT (LOS Range C to E)
Harbor Boulevard	43,820 ADT (Average LOS C)	58,151 ADT (LOS Range E to F)

* Source: 2012 ARC Alternatives Analysis – No Build Alternative

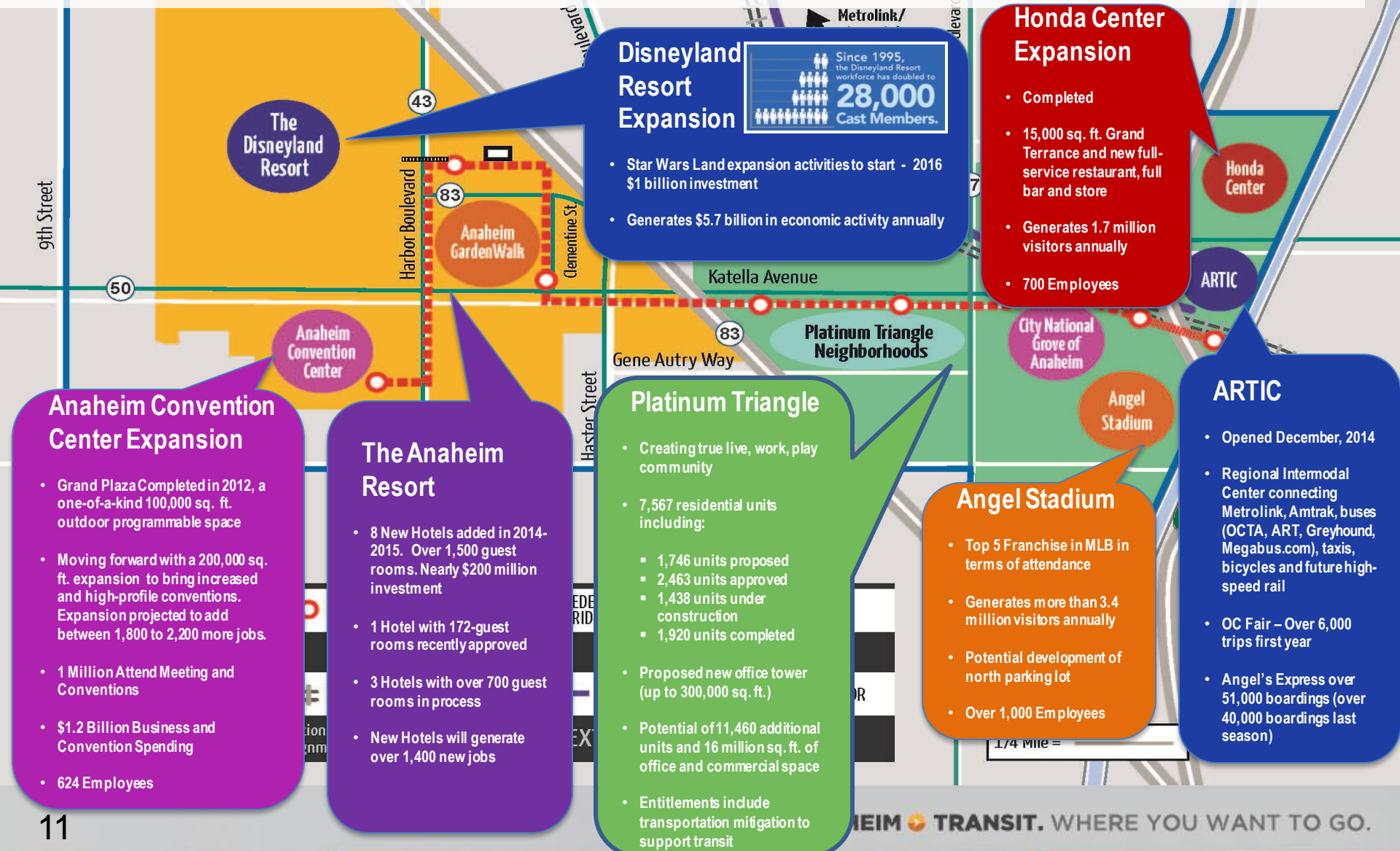
- **Streetcar capacity - Up to 1,500 passengers per hour per direction**
 - 120 riders per vehicle
 - Ability to couple streetcar vehicles to meet peak loads
- **Transit Signal Priority for Streetcar - minimize time at intersections/increase overall running speeds**

ARC Estimated 2035 Ridership*

Market	Streetcar
Metrolink Access/Egress	176,083
Amtrak Access/Egress	73,948
Resort Area Guests	821,813
Other Trips Within the ARC Corridor	56,700
Special Events (150 Game Days, 10 Days Disneyland Remote Parking)	122,040
Total Riders Before CHSR (Annual Riders)	1,250,584
Daily Equivalent (Grand Total/300)	4,168
California High Speed Rail Access/Egress	1,064,511
Grand Total Riders (Annual Riders)	2,315,095
Daily Equivalent (Grand Total/300)	7,717
Daily Boardings Per Mile (Before CHSR)	1,312
Daily Boardings Per Mile (After CHSR)	2,406

*Source: ARC Alternatives Analysis Report (2012) – The ridership forecasting model approach was developed by specialists in the transit field in conjunction with staff from the Federal Transit Administration (FTA). Ridership projections will be updated in conjunction with preparation of the environmental documents.

Recent Activity – Growth in Housing/Jobs/Activity Centers



The Disneyland Resort

Disneyland Resort Expansion

Since 1995, the Disneyland Resort workforce has doubled to **28,000** Cast Members.

- Star Wars Land expansion activities to start - 2016 \$1 billion investment
- Generates \$5.7 billion in economic activity annually

Honda Center Expansion

- Completed
- 15,000 sq. ft. Grand Terrace and new full-service restaurant, full bar and store
- Generates 1.7 million visitors annually
- 700 Employees

Anaheim Convention Center Expansion

- Grand Plaza Completed in 2012, a one-of-a-kind 100,000 sq. ft. outdoor programmable space
- Moving forward with a 200,000 sq. ft. expansion to bring increased and high-profile conventions. Expansion projected to add between 1,800 to 2,200 more jobs.
- 1 Million Attend Meeting and Conventions
- \$1.2 Billion Business and Convention Spending
- 624 Employees

The Anaheim Resort

- 8 New Hotels added in 2014-2015. Over 1,500 guest rooms. Nearly \$200 million investment
- 1 Hotel with 172-guest rooms recently approved
- 3 Hotels with over 700 guest rooms in process
- New Hotels will generate over 1,400 new jobs

Platinum Triangle

- Creating true live, work, play community
- 7,567 residential units including:
 - 1,746 units proposed
 - 2,463 units approved
 - 1,438 units under construction
 - 1,920 units completed
- Proposed new office tower (up to 300,000 sq. ft.)
- Potential of 11,460 additional units and 16 million sq. ft. of office and commercial space
- Entitlements include transportation mitigation to support transit

Angel Stadium

- Top 5 Franchise in MLB in terms of attendance
- Generates more than 3.4 million visitors annually
- Potential development of north parking lot
- Over 1,000 Employees

ARTIC

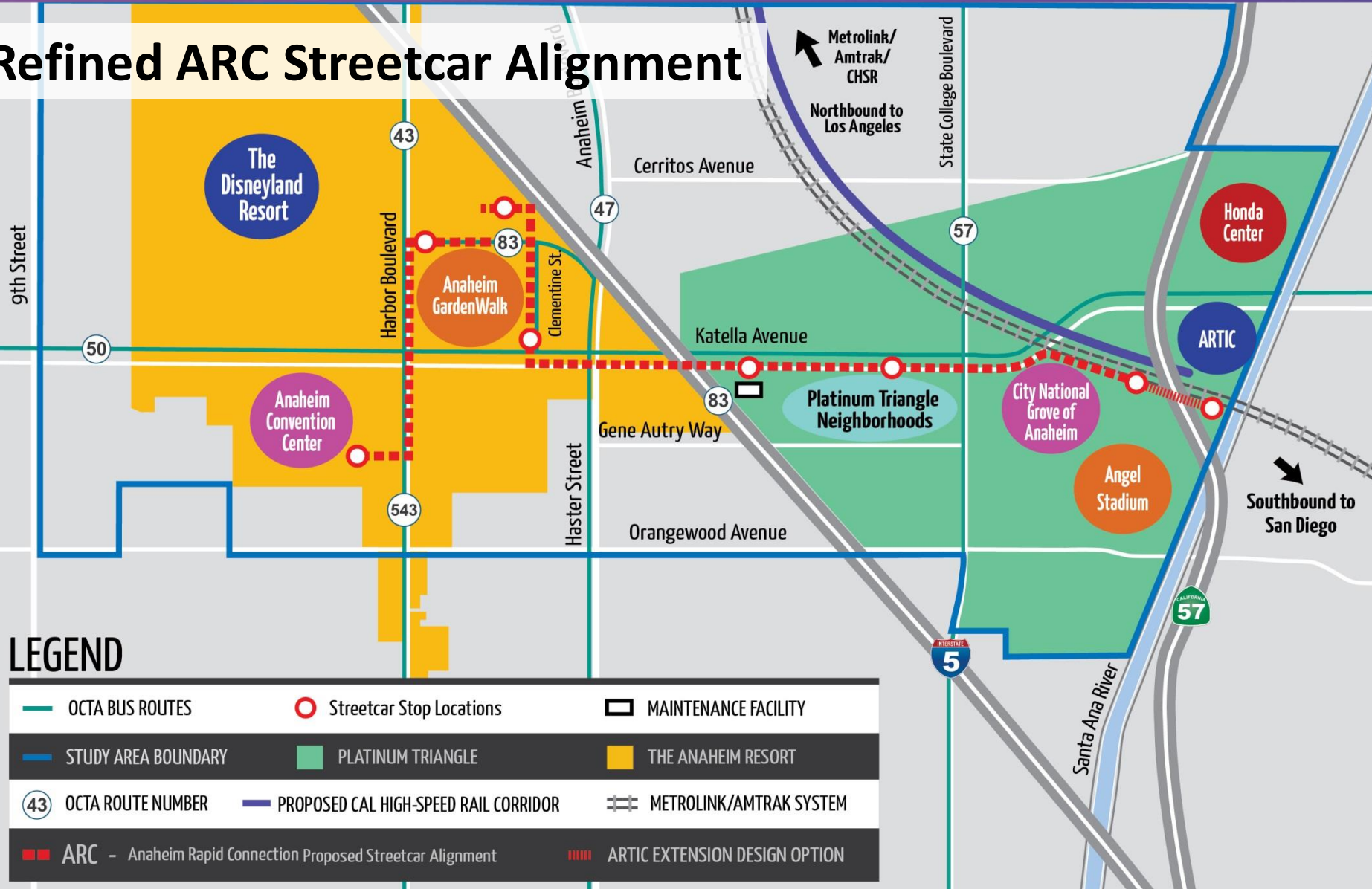
- Opened December, 2014
- Regional Intermodal Center connecting Metrolink, Amtrak, buses (OCTA, ART, Greyhound, Megabus.com), taxis, bicycles and future high-speed rail
- OC Fair – Over 6,000 trips first year
- Angel's Express over 51,000 boardings (over 40,000 boardings last season)

Recent Economic Activity in Vicinity of Disney Way

- Opportunity to refine the alignment and station stops of the Locally Preferred Alternative streetcar alignment north of Disney Way

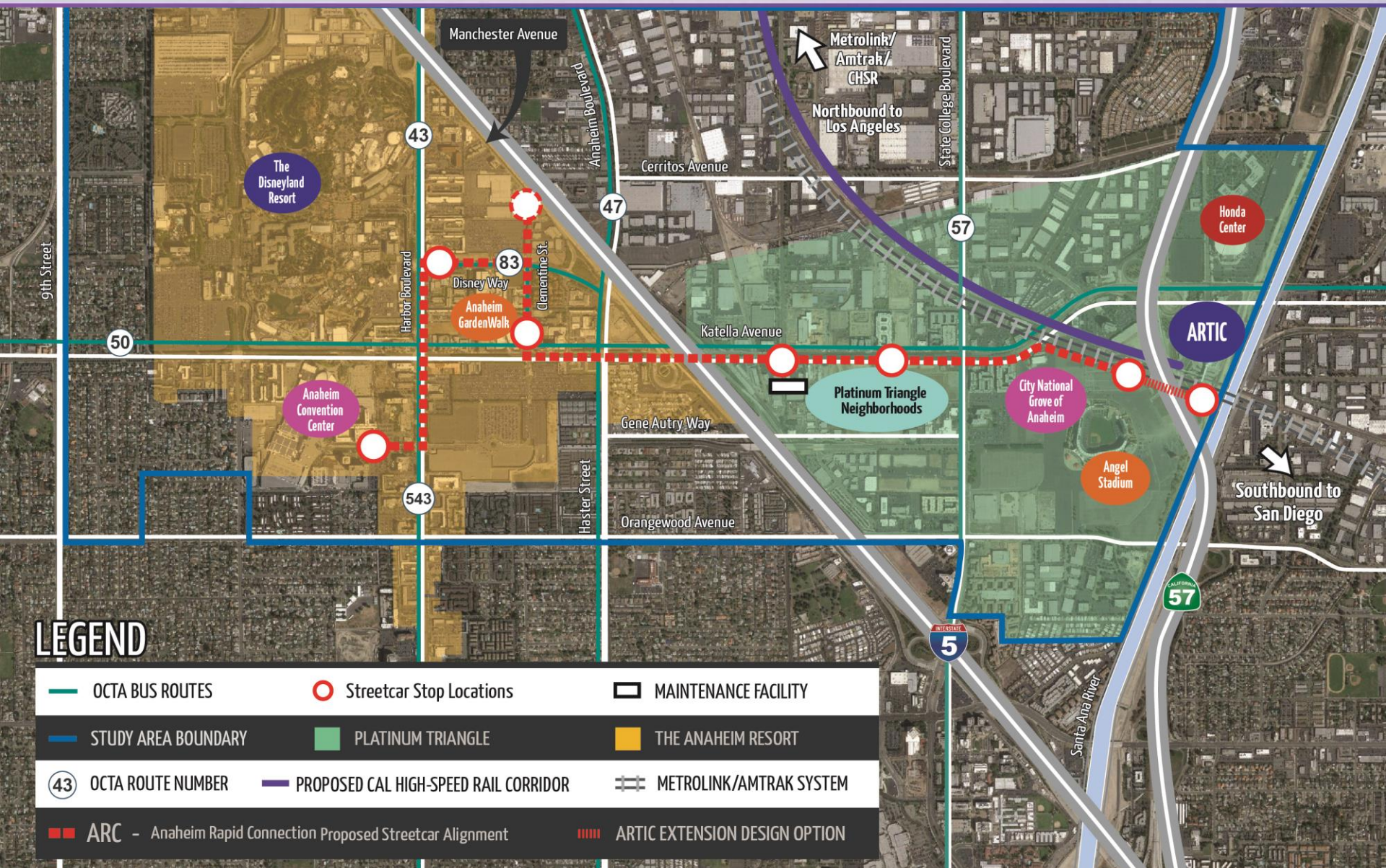


Refined ARC Streetcar Alignment



LEGEND

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Project Refinement Cost Savings – Approximately \$20 Million

- **Move Station from east of Harbor Boulevard to west of Manchester Avenue**
- **Transit Center hub next to relocated Station privately funded**
- **Pedestrian bridge over Harbor Boulevard privately funded**
- **Add Disney Way east-west connection between Harbor Boulevard and Clementine Street**
- **Add Disney Way station stops east of Harbor Boulevard**
- **Eliminate acquisition of motel property**
- **Relocate vehicle and maintenance facility to Platinum Triangle**

Key Project Dates

2014 - 2017
Project
Development
(Environmental
Clearance)

2017 - 2019
Engineering/
Final Design

2019 - 2021
Construction

2022
System
in Operation



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