

Rail and Facilities Program Update

Metrolink Service Expansion Program








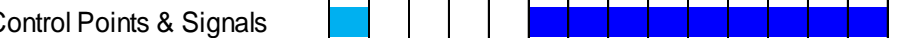

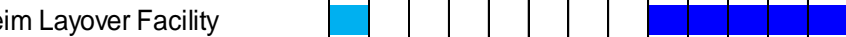

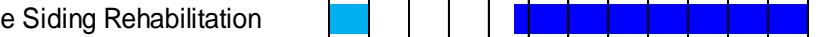

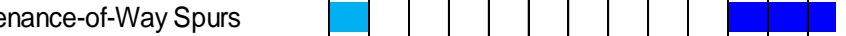



Project	Cost (millions)
Fullerton Turnback Facility	\$ 23.90
Laguna Niguel Turnback Facility	\$ 28.20
New Control Points & Signals	\$ 24.89
Anaheim Layover Facility	\$ 13.30
Orange Siding Rehabilitation	\$ 11.20
Maintenance-of-Way Spurs	\$ 1.72
SUBTOTAL	\$ 103.21
Right-of-Way & Utilities	\$ 21.34
OCTA Costs	\$ 9.59
Equipment (locomotives, cab cars, and trailers)	\$ 158.01
TOTAL	\$ 292.15

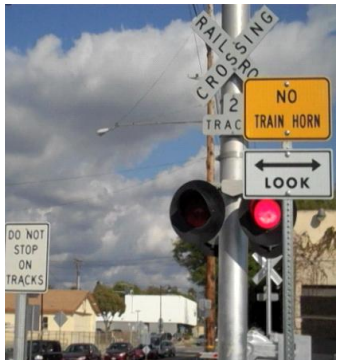
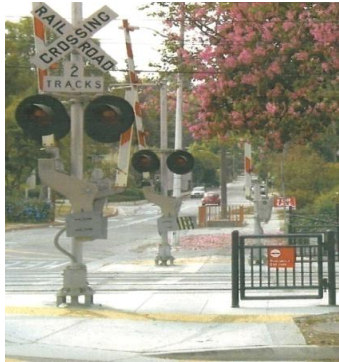
Legend:

 Final Design

 Construction

Schedule	2009	2010	2011	2012	Notes
Fullerton Turnback Facility					All infrastructure required for service start up completed March 2011 Final cutover completed December 2011
Laguna Niguel Turnback Facility					Platform completed November 2010
New Control Points & Signals					CP Stadium reinstated
Anaheim Layover Facility					
Orange Siding Rehabilitation					
Maintenance-of-Way Spurs					Civil work complete September 2011; Signal material on order
Rail Equipment Delivery					

Grade Crossing Safety Enhancements



Project	Number of Crossings	In-Service	Est. Quiet Zones	QZ Phase	Cost (millions)
City of Orange	16	16	16	Established	\$ 29.08
City of Anaheim	14	14	12	NOE	\$ 16.32
City of Tustin	1	1	1	Established	\$ 2.86
City of Santa Ana	8	8	0	Pending	\$ 15.85
City of Santa Ana*	2	2	0	NOE	\$ 3.25
City of Irvine	1	1	0	NOE	\$ 3.71
City of San Juan Capistrano	6	6	0	NOE	\$ 9.23
City of Dana Point	1	1	0	Pending	\$ 2.33
City of San Clemente	3	3	2	Established	\$ 2.04
City of Fullerton	0	0	0	-	\$ 0.30
Right-of-Way & Utilities					\$ 4.36
OCTA Costs					\$ 3.90
Total	52	52	31		\$ 93.23

Schedule	2009	2010	2011	Notes
City of Orange	Final Design	Construction		Quiet zone (QZ) established February 24, 2011
City of Anaheim	Final Design	Construction		QZ on Olive Subdivision (4 crossings) est. February 24, 2011 QZ on Orange Subdivision (8 crossings) est. July 6, 2011
City of Tustin	Final Design	Construction		Red Hill Avenue QZ established March 24, 2011
City of Santa Ana	Final Design	Construction		In service September 8, 2011 QZ (2 crossings) expected by end of January 2012
City of Irvine	Final Design		Construction	QZ expected by end of January 2012
City of San Juan Capistrano	Final Design		Construction	Construction complete & in-service October 2011 QZ expected by end of January 2012
City of Dana Point	Final Design		Construction	Construction complete and in-service November 2011
City of San Clemente	Final Design		Construction	QZ established December 21, 2011
City of Fullerton	Final Design			Construction deferred to later date

Legend:

 Final Design

 Construction




Station Improvements



Project	Cost * (millions)
Fullerton Parking Structure (810 Spaces)	\$ 31.40
Orange Parking Structure (500 Spaces)	\$ 23.00
Tustin Parking Structure (825 Spaces)	\$ 17.60
Laguna Niguel/Mission Viejo (LN/MV) Station Amenities and Parking Lots (1,000 spaces)*	\$ 20.00
Fullerton Video Surveillance System (VSS)	\$ 0.75
Santa Ana VSS	\$ 0.75
Tustin VSS	\$ 0.75
TOTAL	\$ 94.25

* Note: All Costs do not include right-of-way expenses

Legend:

-  PA/ED
-  Final Design
-  Construction

Schedule	2009	2010	2011	2012	2013	Notes
Fullerton Parking Structure	PA/ED	PA/ED	Final Design	Construction		Demolition and final design began November 2010 Notice to proceed in October 2010 for design/build
Orange Parking Structure	PA/ED	PA/ED	Final Design	Final Design	Construction	Design process began November 2010 Project schematic will be complete first quarter 2012
Tustin Parking Structure	PA/ED	Final Design	Final Design	Construction		Construction began October 27, 2010 Project completed September 21, 2011
LN/MV Station/Parking Improvements (Phase 1)	PA/ED	PA/ED	PA/ED	Final Design	Construction	Cost reflects build-out of 1,000 parking spaces Environmental completed in 2007
Fullerton VSS		PA/ED	Final Design	Construction		VSS contractor is coordinating with parking structure construction
Santa Ana VSS		PA/ED	Final Design	Construction		Design/build contract award September 13, 2010 Project completed October 2011
Tustin VSS		PA/ED	Final Design	Construction		Design/build contract request for proposal released in September 2010 Project was substantially complete December 2011
Anaheim Canyon				PA/ED	Final Design	City is redefining the project to fit within the proposed funding budget Construction to begin mid 2014

Orange County Communications Project (Fiber Optics)

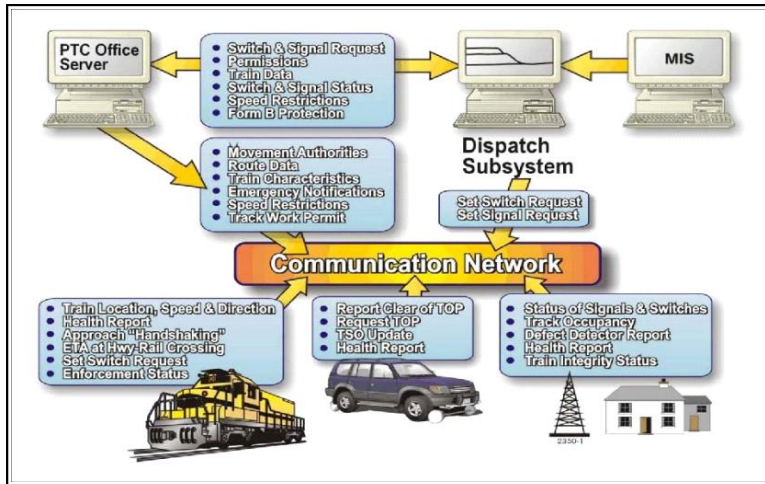


Funding Source:	Cost (millions)
Proposition 116	\$ 12.300
Federal Transit Administration Section 5309	\$ 10.903
Measure M	\$ 1.397
TOTAL	\$ 24.600

Notes
Project led by SCRRRA
Conceptual Design - 2008 Final Design completed - 9/30/10
Invitation for Bids Issued: 10/14/10 Southern California Regional Rail Authority (SCRRRA) Board Award: 12/10/10 Notice to Proceed: 2/8/11
Project 50 percent complete; Microwave towers installed at Dana Point and Orangethorpe Avenue
Project Closeout: 12/31/12

Schedule	2008	2009	2010	2011	2012
Design	█				
Procurement			█		
Construction				█	
Project Closeout					█

Positive Train Control



OCTA Funding

Proposition 116	\$ 32,715,778
Federal Transportation Administration (FTA) Section 5307	\$ 4,147,427
American Recovery and Reinvestment Act	\$ 1,234,000
FTA Section 5309	\$ 275,800
SCRRRA Proposition 1A	\$ 1,474,395
Local Funding (5309 match)	\$ 68,950

TOTAL \$ 39,916,350

SCRRRA Systemwide Budget

Project Development	\$ 58,199,491
Construction/Project	
Relocate/Adjust Signals	\$ 716,644
Wayside Interface	\$ 1,517,628
Units/Commications & Positive Train Control	\$ 11,457,800
Communications/ Pomona Train Control	\$ 8,520,870
Operations Support	
Vendor/Integrator	\$ 121,220,779

TOTAL \$ 201,633,212

Notes
Project let by SCRRRA
Major contracts have been awarded and work is underway. Development of standards continues, so systems cannot get in front of approval of standards.
Schedule delays: finalization of industry standards; new product development - Positive Train Control (PTC) radios; back office server equipment standards; re-bid new facility; Schedule extended six months.
Exercised option to include new customer information system as part of PTC. Old system is failing and technical support is not available.
PTC Implementation: July 2012; still well ahead of other agencies required to implement PTC.




Schedule	2009	2010	2011	2012	2013
SCRRRA Lead Improvements	[Light blue bar spanning 2009-2013]				
Vendor/Integrator Tasks			[Dark blue bar spanning 2011-2013]		
Systems Testing				[Light blue bar spanning 2012-2013]	
Project Closeout					[Yellow bar in 2013]

LOSSAN Grade Separation Projects



Project	Cost (millions)
17th Street - Santa Ana	\$ 89.00
Orangethorpe Avenue - Anaheim	\$ 94.00
Ball Road - Anaheim	\$ 71.00
Grand Avenue - Santa Ana	\$ 72.00
Main Street - Orange	\$ 69.00
State College Boulevard - Anaheim	\$ 70.00
Sand Canyon Avenue - Irvine	\$ 56.00
Santa Ana Boulevard - Santa Ana	\$ 74.00
TOTAL	\$ 595.00

Legend:

-  Project Concept
-  Project Approval
-  Final Design
-  Construction

Schedule	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
17th Street - Santa Ana												
Orangethorpe Avenue - Anaheim												
Ball Road - Anaheim												
Grand Avenue - Santa Ana												
Main Street - Orange												
State College Boulevard												
Sand Canyon Avenue												
Santa Ana Boulevard												

Note: State College project approval has been completed by the City of Anaheim.
Schedules assumes future funding availability.

Metrolink Operations

Project

Angels/Ducks Express

April through September 2011, OCTA operated special Metrolink rail service to and from the Los Angeles Angels of Anaheim (Angeles) baseball home games on weekdays at 7:05 p.m. via the Anaheim Station

- OCTA received \$268,207 in competitive grant funds from the Mobile Source Air Pollution Reduction Review Committee for this service
- The Angels Express served 46 home games, totaling over 20,000 boardings
- OCTA is providing a bus connection for Metrolink passengers between the Anaheim Station and the Honda Center for Anaheim Ducks fans on regular weekday game nights
- 25 home games served by existing Metrolink trains between south Orange County and Anaheim.
- OCTA is running special Metrolink train service for three weekday Anaheim Ducks hockey games versus the Los Angeles Kings this season on November 17 and December 6, 2011, and March 16, 2012

Capital Improvement Study

- OCTA study for capital improvements at Orange County rail stations
- Inventory and identify enhancements and rehabilitation to Metrolink stations
- Identify funding which OCTA can utilize to make improvements
- Final report to the Transit Committee and OCTA Board of Directors early 2012

Rotem Cars (Guardian Fleet)

- Metrolink is currently under contract with Hyundai Rotem to purchase 137 crash energy management (CEM) cars.
- CEM cars feature unique collision-absorption technology
- As of December 9, 2011, Metrolink received 117 cars at the Eastern Maintenance Facility in Colton, CA
- 80 cars are in revenue service and the remaining 14 are being prepped for service



Go Local Fixed-Guideway Program - Anaheim Rapid Connection

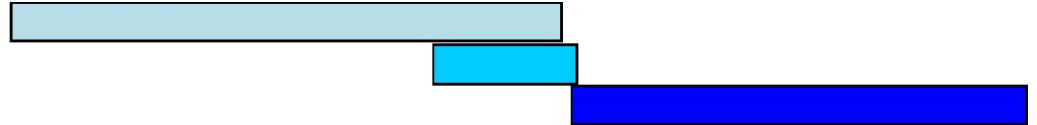
Schedule

Step Two Activities

Step Three Preliminary Engineering

Final Design/Construction*

2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018

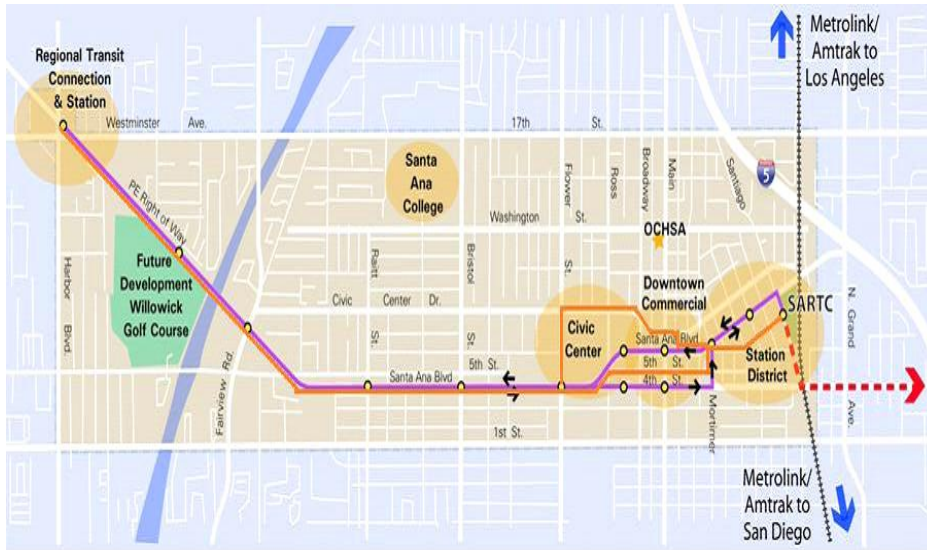
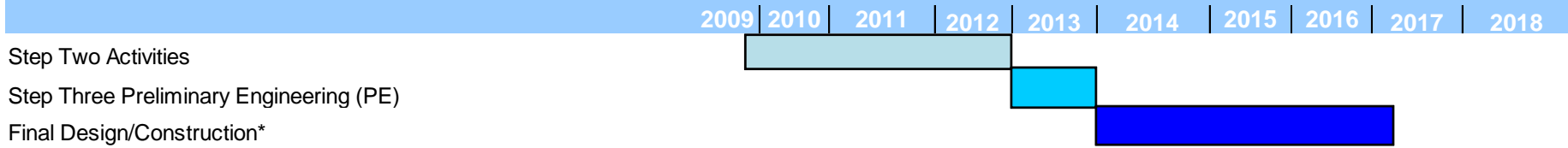


Development Funding Through Preliminary Engineering				
	OCTA	Source	City	Total
Step 1	\$100,000	M1	\$0	\$100,000
Step 2	\$5,900,000	M1	\$100,000	\$6,000,000
Step 3 (Pre PE)	\$1,072,000	5307	\$134,000	
	\$134,000	M2 (S)		\$1,340,000
Step 3 PE	\$13,756,000	5307	\$1,719,500	
	\$1,719,500	M2 (S)		\$17,195,000
TOTAL	\$22,681,500		\$1,953,500	\$24,635,000

* Phase not currently funded

Go Local Fixed-Guideway Program - Santa Ana/Garden Grove

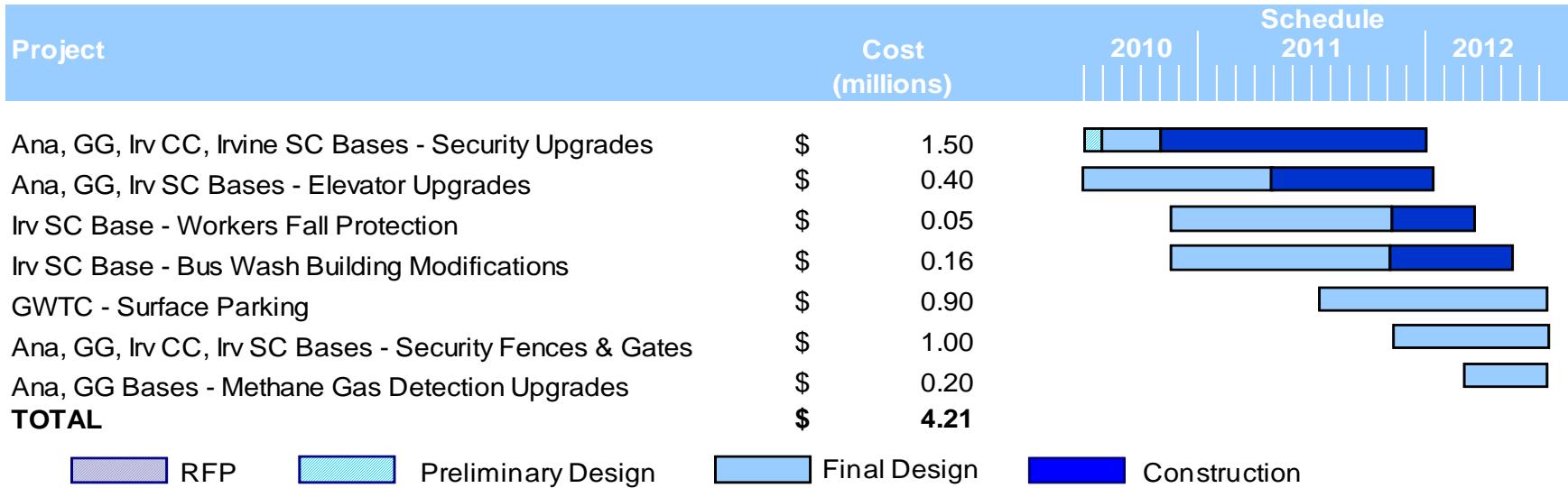
Schedule



Development Funding Through Preliminary Engineering				
	OCTA	Source	City	Total
Step 1	\$100,000	M1	\$0	\$100,000
Step 2	\$5,900,000	M1	\$100,000	\$6,000,000
Step 3 (Pre PE)	\$529,360	5307	\$66,170	
	\$66,170	M2 (S)		\$661,700
Step 3 PE	\$3,904,000	5307	\$488,000	
	\$488,000	M2 (S)		\$4,880,000
TOTAL	\$10,987,530		\$654,170	\$11,641,700

* Phase not currently funded

Facilities Engineering



OCTA Facility Legend:

Ana	Anaheim Bus Base
GG	Garden Grove Bus Base
Irv CC	Irvine Construction Circle Bus Base
Irv SC	Irvine Sand Canyon Bus Base
SA	Santa Ana Bus Base
GWTC	Golden West Transportation Center
PEROW	Pacific Electric Right-of-Way

