


Rail and Facilities Program Update

Corridor Improvements




Project	Cost (millions)
San Clemente Beach Trail Crossings Audible Warning System	\$ 4.50
Laguna Niguel-San Juan Capistrano Passing Siding	\$ 30.20
Irvine Third Main Track Expansion	\$ 68.50
TOTAL	\$ 103.20




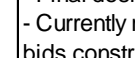





 Planning/Conceptual

 Project Approval/
Environmental
Document
(PA/ED)

 Final Design

 Construction

 Closeout

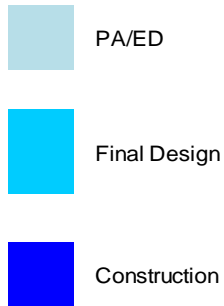
Schedule	2010	2011	2012	2013	2014	Notes
San Clemente Beach Trail Crossings Audible Warning System						- Final design complete - Currently modifying plans and assembling invitation for bids construction package (re-bid)
Laguna Niguel-San Juan Capistrano Passing Siding						- 30 percent design complete, undergoing quality check - Preparing request for proposals package for final design
Irvine Third Main Track Expansion						- 5 percent preliminary design complete - Proceeding with preliminary 30 percent design and environmental documentation

Station Improvements



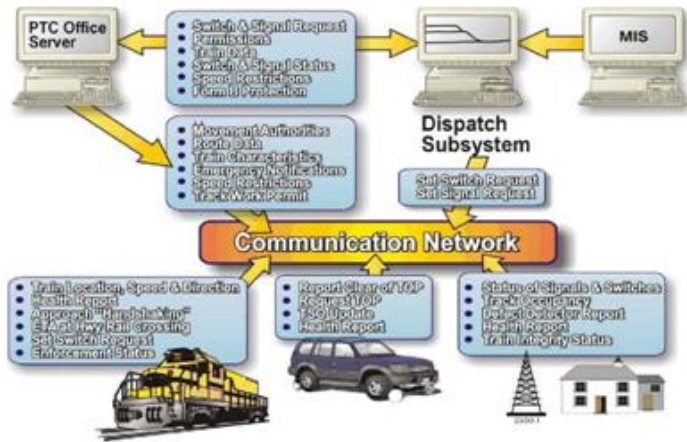
Project	Cost * (millions)
Orange Metrolink Station Parking Structure (500 Spaces)	\$ 23.00
Laguna Niguel/Mission Viejo (LN/MV) Metrolink Station Amenities and Parking Lots (176 spaces)	\$ 20.00
Placentia Metrolink Station	\$ 23.42
Anaheim Canyon Metrolink Station Improvements	\$ 20.00
Fullerton Transportation Center (FTC) Elevator Upgrades	\$ 1.48
Anaheim Regional Transportation Center (ARTIC)	\$ 190.00
TOTAL	\$ 277.90

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



Schedule	2010	2011	2012	2013	2014	Notes
Orange Metrolink Station Parking Structure	PA/ED	PA/ED	Final Design	Final Design	Construction	-City has received approval from the state to expend redevelopment agency funds to continue design. City's portion of the construction funding will be dependent on bond sales by the City.
LN/MV Metrolink Station/Parking Improvements (Phase 1)	PA/ED	PA/ED	Final Design	Final Design	Construction	-Construction contract award will go to the Board of Directors on January 28, 2012. Construction will begin February/March 2013.
Placentia Metrolink Station	Final Design	Final Design	Final Design	Final Design	Construction	-Plans submitted to City, Metrolink, and Department State Architect for final approval in December 2012. Project will be advertised once City obtains federal environmental clearance, anticipated in August 2013.
Anaheim Canyon Metrolink Station Improvements		PA/ED	PA/ED	Final Design	Construction	-Addition of second track, platform, and pedestrian undercrossing. -Project being redefined to fit within proposed funding.
FTC Elevator Upgrades		PA/ED	PA/ED	Final Design	Construction	-Adding new elevators on both ends of the existing pedestrian overpass. -Construction pending savings from parking structure in second quarter 2013.
ARTIC	Final Design	Final Design	Final Design	Final Design	Construction	-City is the lead on this project; construction has commenced and is expected to be completed by November 2014.

Positive Train Control (PTC)



OCTA Funding		Southern California Regional Rail Authority (SCRRRA)	
Proposition 116	\$ 32,715,778	Project Development Construction/Project	\$ 58,199,491
Federal Transportation Administration (FTA)	\$ 4,147,427	Relocate/Adjust Signals	\$ 716,644
American Recovery and Reinvestment Act	\$ 1,234,000	Wayside Interface	\$ 1,517,628
FTA Section 5309	\$ 275,800	Units/Communications and PTC	\$ 11,457,800
SCRRRA Proposition 1A	\$ 1,474,395	Communications/Pomona Train Control Operations Support	\$ 8,520,870
Local Funding (5309 match)	\$ 68,950	Vendor/Integrator (V/I)	\$121,220,779
TOTAL	\$ 39,916,350	TOTAL	\$201,633,212

Project led by SCRRRA

Schedule	2010	2011	2012	2013	2014	Notes
V/I Contractor PTC system development/installation						-System design is 95 percent complete. Installation underway at wayside locations, communications network, onboard locomotives, and in the lab.
Systems Testing/Federal Railroad Administration (FRA) Certification						-Began FRA-witnessed testing in fourth quarter 2012. Testing integrated system in lab January 2013. Safety plan submittal to FRA by June 2013 for certification. -System demonstration on September 10, 2013.
Project Closeout/Transition to Operations						-PTC revenue service delayed to September 2013. Closeout first quarter in 2014.

Los Angeles – San Diego – San Luis Obispo Grade Separation Project Development



Project	Est. 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	\$ 92.00
Sand Canyon Avenue - Irvine (40 percent; July 2014 complete, due to utility)	\$ 56.00
Santa Ana Boulevard - Santa Ana	\$ 74.00
TOTAL	\$ 617.00

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 - Anaheim*												
Sand Canyon Avenue - Irvine												
Santa Ana Boulevard - Santa Ana**												

Note: Schedules reflect only current funded phases.

*Early construction package for utilities: construction scheduled for September 2013 - June 2014

**City is advancing current phase.

Metrolink Operations

Rotem Cars

- 117 cars delivered (57 cab cars, 60 coaches)
 - 97 in service
 - 20 in maintenance/repair
- 20 car option procurement
 - 8 in final assembly
 - 7 being shipped
 - 5 in production overseas

Ducks Express

- Pending resolution of National Hockey League lockout

Station Rehabilitation

- San Clemente Pier platform repairs
- LN/MV Metrolink Station - new ticket vending machine for Camino Capistrano side

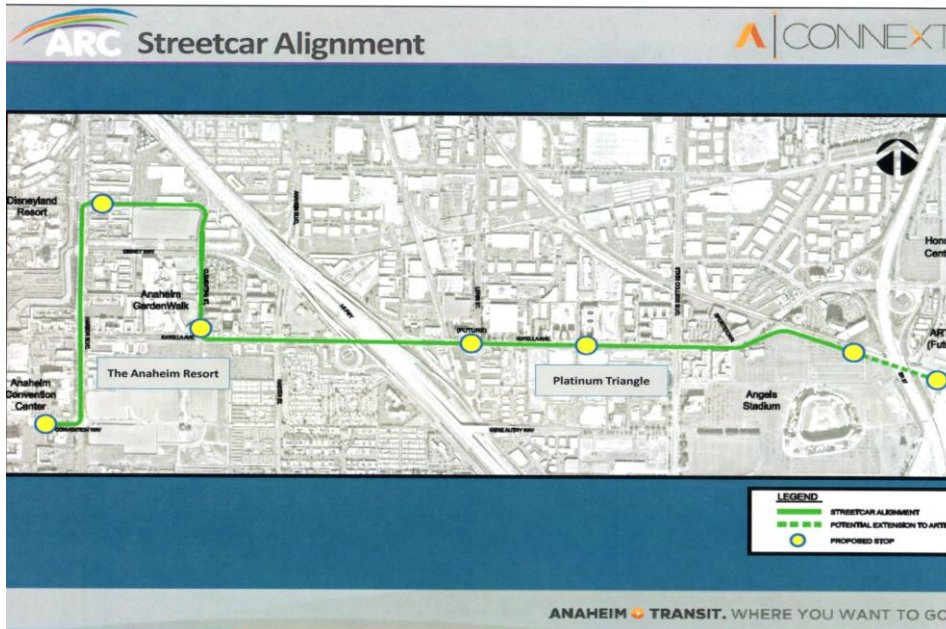


Metrolink Operations (cont.)

Tier 4 Locomotive Procurement

- Contract for ten Tier 4 "clean" locomotives awarded on December 14, 2012 by Southern California Regional Rail Authority Board of Directors
 - \$129.4 million base contract
 - \$3 million spare parts
 - \$500,000 engineering
 - \$8 million contingency
- Funding sources include:
 - Proposition 1A (high-speed rail)
 - Rehabilitation (federal 5307 and local funds)
 - Air Quality Management District grant funds
 - State Public Transportation Modernization, Improvement, and Service Enhancement Account
- Orange County Transportation Authority members requested plan of finance and cash flow for procurement

Go Local Fixed-Guideway Program: Anaheim Rapid Connection



Development Funding Through Preliminary Engineering (PE)				
	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	
		M2 (S)		\$1,340,000
Step 3 (PE)	\$13,756,000	5307	\$1,719,500	
		M2 (S)		\$17,195,000
TOTAL	\$22,681,500		\$1,953,500	\$24,635,000

*Represents one alternative under consideration

Schedule	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Step 2 Activities (Alternatives analysis, state/federal environmental clearance, and conceptual engineering)	[Light blue bar spanning 2009-2013]									
Step 3 (PE)						[Light blue bar spanning 2014]				
Final Design/Construction*							[Dark blue bar spanning 2015-2018]			

* Phase not currently funded

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



Development Funding Through PE				
	OCTA	Source	City	Total
Step 1	\$100,000	M1	\$0	\$100,000
Step 2	\$5,900,000	M1	\$100,000	\$6,488,000
	\$488,000	M2		
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	\$4,880,000
TOTAL	\$10,987,530		\$1,142,170	\$12,129,700

**Table reflects Board action to transfer funds to environmental effort.

Schedule	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Step 2 Activities (Alternatives analysis, state/federal environmental clearance, conceptual engineering)		█								
Step 3 (PE)					█					
Final Design/Construction*						█				

* Phase not currently funded

Facilities

Project	Cost (millions)	Schedule																							
		2012												2013											
Ana, GG, Irv CC, Irv SC Bases - Security Upgrades	\$ 1.50	[Design]												[Construction]											
GWTC - Surface Parking	\$ 1.50	[Design]												[Construction]											
Ana, GG, Irv CC, Irv SC Bases - Security Fences & Gates	\$ 0.80	[Design]												[Construction]											
Ana, GG Bases - Methane Gas Detection Upgrades	\$ 0.30	[Design]												[Construction]											
Ana, GG, Irv SC Bases - Underground Storage Tanks Removal	\$ 0.80	[Design]												[Construction]											
Anaheim Base - Fuel Building Curtain Wall Replacement	\$ 0.07	[Design]												[Construction]											
Anaheim Base - Fire Alarm System Upgrades	\$ 0.15	[Design]												[Construction]											
Santa Ana Base - Joint Sealant Replacement	\$ 0.30	[Design]												[Construction]											
Santa Ana Base - Parts Canopy	\$ 0.15	[Design]												[Construction]											
Ana, GG, FPNR - Exterior Coatings	\$ 0.40	[Design]												[Construction]											
TOTAL	\$ 5.97																								

Design
 Bid
 Construction

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
FPNR	Fullerton Park-and-Ride
GWTC	Golden West Transportation Center

