



# **Rail Program Update**



#### **Board of Directors' Meeting** August 10, 2009

## **Metrolink Service Expansion Program**



Project			Cost nillions)
Fullerton Turnback Facility Laguna Niguel Turnback Facility New Control Points & Signals Anaheim Layover Facility Orange Siding Rehabilitation Project/Construction Management <b>SUBTOTAL</b> Equipment (locomotives, cab cars and trailers)	Ongoing	\$ \$ \$ \$ <b>\$</b> \$	19.50 23.60 15.00 11.80 7.00 18.00 <b>94.90</b> 144.00
TOTAL		\$	238.90

Schedule	2009			201	0		20	)11	Notes
Fullerton Turnback Facility									
Laguna Niguel Turnback Facility									
New Control Points & Signals						ļ			
Anaheim Layover Facility						ļ	ļ		
Orange Siding Rehabilitation				-		+			
Rail Equipment			1						Delivery Schedule

#### Legend:



# **Grade Crossing Safety Enhancements**





を語って	Project	Number of Crossings	Cost nillions)
in de	City of Orange	16	\$ 21.80
	City of Anaheim	14	\$ 14.30
ALL ALL	City of Tustin	1	\$ 0.80
	City of Santa Ana	10	\$ 2.60
	City of Irvine	2	\$ 13.90
H	City of San Juan Capistrano	5	\$ 3.50
-	City of Dana Point	1	\$ 7.20
-	City of San Clemente	2	\$ 1.70
	City of Fullerton	1	\$ 2.00
	Contingency (right-of-way, program management, & signals)		\$ 2.20
	TOTAL	52	\$ 70.00

Legenc	l:
	Final Design
	Construction

Date: June 2009

Schedule	20	009		20	10		20	11		Notes
City of Orange				•						Construction will take place on two crossings concurrently throughout the project.
City of Anaheim	1	1								
City of Tustin										
City of Santa Ana	1	1								
City of Irvine										
City of San Juan Capistrano										
City of Dana Point										
City of San Clemente										
City of Fullerton										

#### **Station Improvements**





Project	(1	Cost nillions)
Fullerton Parking Structure (810)	\$	41.97
Orange Undercrossing	\$	8.75
Orange Parking Structure (600)	\$	30.00
Tustin Parking Structure (825)	\$	17.50
Laguna Niguel/Mission Viejo (500)	\$	29.00
Fullerton Video Surveillance System (VSS)	\$	0.75
Santa Ana VSS	\$	0.75
Tustin VSS	\$	0.70
TOTAL	\$	129.42

Legend: PA/ED Final Design Construction

Schedule	2	2009	2010	0 2011			Notes
Fullerton Parking Stucture							Design/build contract
Orange Undercrossing							Completion date August 10, 2009
Orange Parking Structure							Coop Agreement - July 13, 2009
Tustin Parking Structure							Completion date June 2011
Laguna Niguel/Mission Viejo							MOU to Board in September 2009
Fullerton VSS							Design/build contract
Santa Ana VSS							Design/build contract
Tustin VSS							Design/build contract

# **LOSSAN Grade Separation Projects**





L	ec	le	n	d



Project Concept Project Approval Final Design Construction

Date: June 2009

	Project	(	Cost millions)
	17th Street - Santa Ana (Proposed)	\$	89.00
N BORN	Orangethorpe Avenue - Anaheim (Proposed)	\$	94.00
	Ball Road - Anaheim (Proposed)	\$	71.00
	Grand Avenue - Santa Ana (Proposed)	\$	72.00
	Main Street - Orange (Proposed)	\$	69.00
	State College Boulevard - Anaheim	\$	70.00
	Sand Canyon Avenue - Irvine	\$	60.00
	Santa Ana Boulevard - Santa Ana	\$	74.00
	TOTAL	\$	599.00

Schedule	2	20	09		2	2010			2011			2012		2013		3	2		2014		•	20		2015		2016		6	2	2017		2018		8	2	201			
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17th Street - Santa Ana																																							
Orangethorpe Ave - Anaheim			Z				Ż																												- -				
Ball Road - Anaheim	Π	1																								+									1				ſ
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Sand Canyon Ave													T				T							T								T							Ī
Santa Ana Boulevard	Π										-							_							-										i T	î T			Ī

\* Schedules are illustrated and dependent upon future funding availability.

### **Go Local Fixed-Guideway Program**



#### Step Two Activities Underway: Conceptual Engineering, Alternatives Analysis, State/Federal Environmental Clearance

Project	Step Tw Award (millions	Project Schedule
Anaheim Fixed-Guideway: ARTIC-Platinum Triangle-Anaheim Resort Connector	\$ 5.9	
Santa Ana Fixed-Guideway: SARTC to Harbor Boulevard/Garden Grove	\$ 5.9	
TOTAL	\$ 11.8	<ul> <li>Step Two Activities FinalDesign/ROW* Construction*</li> <li>* Phases not currently funded.</li> </ul>
Anaheim Fixed-Guideway		Santa Ana Fixed-Guideway
		Proposed Key Destinations
<ul> <li>Anaheim Regional Transportation</li> <li>Platinum Triangle</li> <li>Anaheim Resort</li> </ul>	on Intermo	<ul> <li>dal Center</li> <li>Santa Ana Regional Transportation Center</li> <li>Civic Center</li> <li>Downtown Santa Ana</li> </ul>

Convention Center

- Downtown Santa Ana
- Bus Rapid Transit Connections

### Anaheim Regional Transportation Intermodal Center





Funding Source:	Cost (millions)	
Renewed Measure M - Project T Bond Proceeds	\$	81.60
Measure M Transit Revenue	\$	6.00
2008 State Transportation Improvement Program	\$	29.22
Proposition 116	\$	58.84
Federal Earmark	\$	3.20
TOTAL	\$	178.86

#### **Current Status**

Environmetal Clearance Underway

Architectural & Engineering Underway

Next Major Milestone: Notice of Intent/Notice of Preparation

Schedule	2009	2010	2011	2012	2013
Environmental Clearance/Design					
Architectural/Engineering					
Right-of-Way					
Construction					
PA/ED Final Design		Con	structio	n	

### **Facilities Engineering**



Project	(r	Cost nillions)	Schedule 2009 2010
Irvine CC Base - Building Modifications	\$	1.70	
Irvine SC Base - CNG Building Modifications	\$	2.50	
Ana, GG, SA Bases - Workers Fall Protection	\$	0.70	
Ana, GG, Irvine SC Bases - Steam Clean Area Vehicle Lifts	\$	0.70	
Ana, GG, Irvine CC, Irvine SC Bases - Security Upgrades	\$	1.50	
PEROW - Drainage Improvements	\$	0.40	
Irvine SC Base - HVAC Replacement	\$	0.29	
Irvine SC Base - Joint Sealant Replacement	\$	0.15	
Ana, GG, Irvine SC Bases - Elevator Upgrades	\$	0.40	
Irvine SC Base - Marine Way Realignment Impacts		TBD	
Irvine SC Base - Parking Structure	\$	6.00	
GWTC - Parking Structure	\$	7.00	
TOTAL	\$	21.34	
RFP Preliminary Design	Fir	al Design	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
SA	Santa Ana Bus Base
GWTC	Golden West Transportation Center
PEROW	Pacific Electric Right-of-Way

