

# Rail Program Update



**Special Needs Advisory Meeting**  
August 25, 2009

# Metrolink Service Expansion Program



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

Schedule	2009	2010	2011	Notes
Fullerton Turnback Facility	Final Design	Construction		
Laguna Niguel Turnback Facility	Final Design	Construction		
New Control Points & Signals	Final Design	Construction		
Anaheim Layover Facility	Final Design	Construction		
Orange Siding Rehabilitation	Final Design	Construction		
Rail Equipment		Construction		Delivery Schedule

Legend:  
 Final Design  
 Construction

# Grade Crossing Safety Enhancements



Project	Number of Crossings	Cost (millions)
City of Orange	16	\$ 21.80
City of Anaheim	14	\$ 14.30
City of Tustin	1	\$ 0.80
City of Santa Ana	10	\$ 2.60
City of Irvine	2	\$ 13.90
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
<b>TOTAL</b>	<b>52</b>	<b>\$ 70.00</b>

Legend:  
■ Final Design  
■ Construction

Date: June 2009

Schedule	2009	2010	2011	Notes
City of Orange	<span style="color: cyan;">■</span>	<span style="color: blue;">■</span>		Construction will take place on two crossings concurrently throughout the project.
City of Anaheim	<span style="color: cyan;">■</span>	<span style="color: blue;">■</span>		
City of Tustin	<span style="color: cyan;">■</span>	<span style="color: blue;">■</span>		
City of Santa Ana	<span style="color: cyan;">■</span>		<span style="color: blue;">■</span>	
City of Irvine	<span style="color: cyan;">■</span>		<span style="color: blue;">■</span>	
City of San Juan Capistrano	<span style="color: cyan;">■</span>		<span style="color: blue;">■</span>	
City of Dana Point	<span style="color: cyan;">■</span>		<span style="color: blue;">■</span>	
City of San Clemente	<span style="color: cyan;">■</span>		<span style="color: blue;">■</span>	
City of Fullerton	<span style="color: cyan;">■</span>		<span style="color: blue;">■</span>	

# Station Improvements



Project	Cost (millions)
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
<b>TOTAL</b>	<b>\$ 129.42</b>

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

Legend:

- PA/ED
- Final Design
- Construction

# LOSSAN Grade Separation Projects



Project	Cost (millions)
17th Street - Santa Ana (Proposed)	\$ 89.00
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
<b>TOTAL</b>	<b>\$ 599.00</b>

Legend:

- Project Concept
- Project Approval
- Final Design
- Construction

Date: June 2009

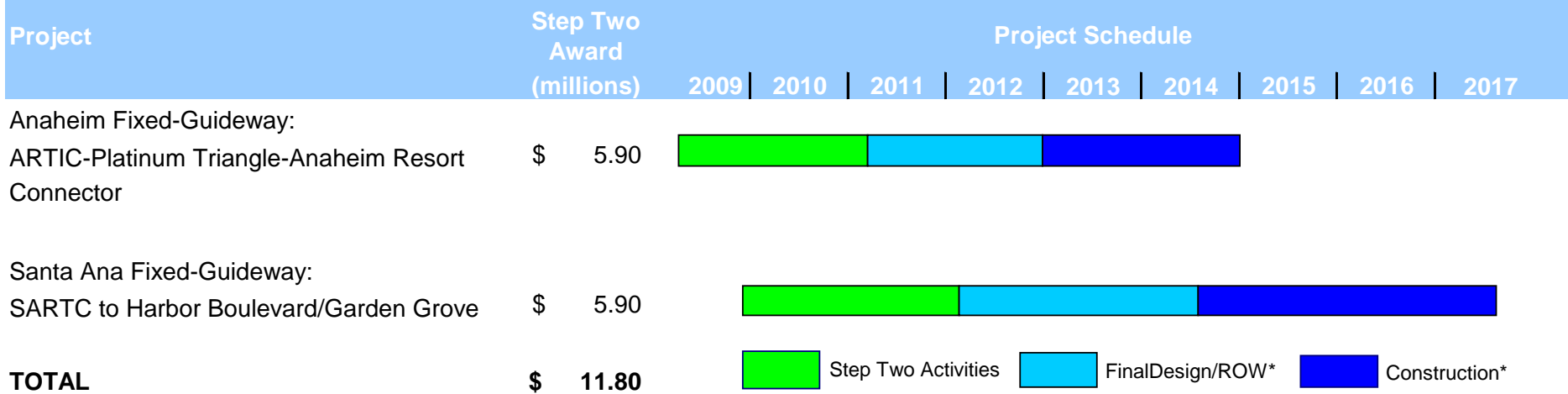
Schedule	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
17th Street - Santa Ana											
Orangethorpe Ave - Anaheim											
Ball Road - Anaheim											
Grand Avenue - Santa Ana											
Main Street - Orange											
State College Boulevard											
Sand Canyon Ave											
Santa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

\* 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



\* Phases not currently funded.

## Anaheim Fixed-Guideway

## Santa Ana Fixed-Guideway

### Proposed Key Destinations

- Anaheim Regional Transportation Intermodal Center
- Platinum Triangle
- Anaheim Resort
- Convention Center

- Santa Ana Regional Transportation Center
- Civic Center
- Downtown Santa Ana
- Bus Rapid Transit Connections

# Anaheim Regional Transportation Intermodal Center



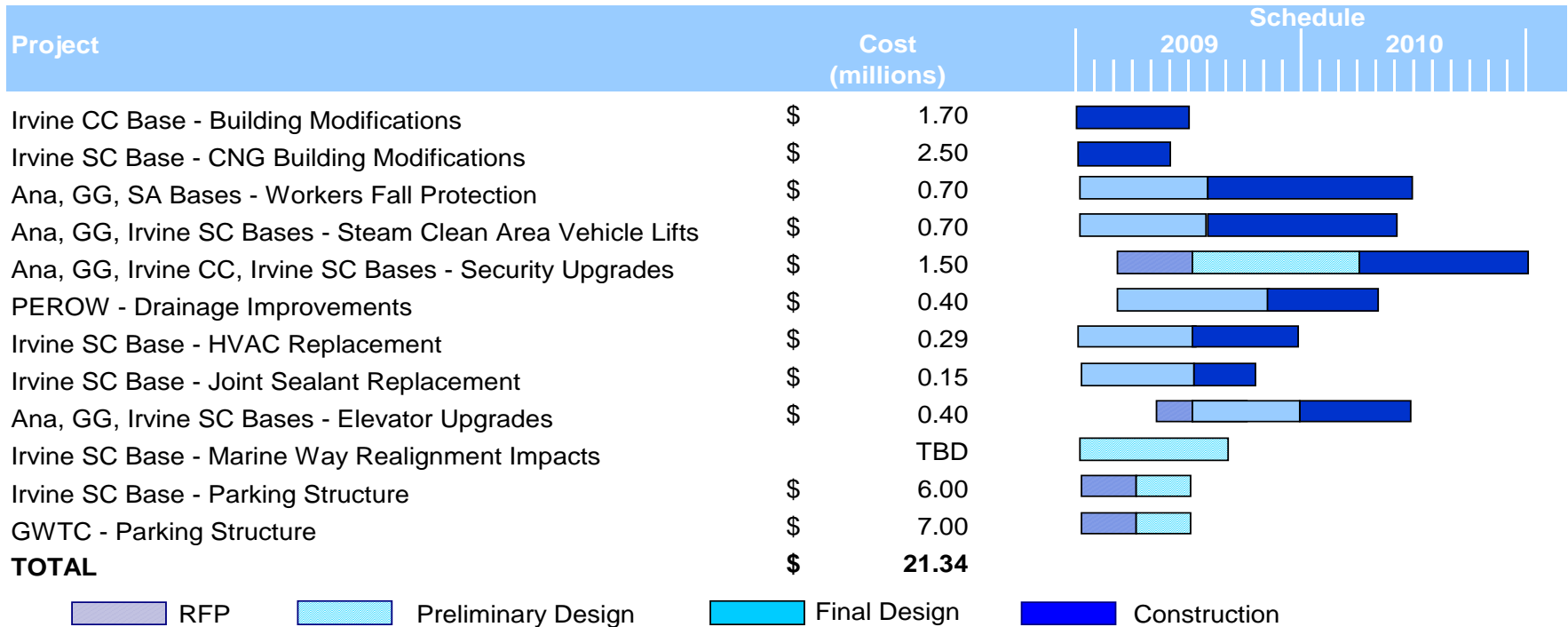
Funding Source:	Cost (millions)
Renewed Measure M - Project T Bond Proceeds	\$ 81.60
Measure M Transit Revenue	\$ 6.00
2008 State Transportation Improvement Program	\$ 29.22
Proposition 116	\$ 58.84
Federal Earmark	\$ 3.20
<b>TOTAL</b>	<b>\$ 178.86</b>

Current Status
Environmental 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    
  Construction

# 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

