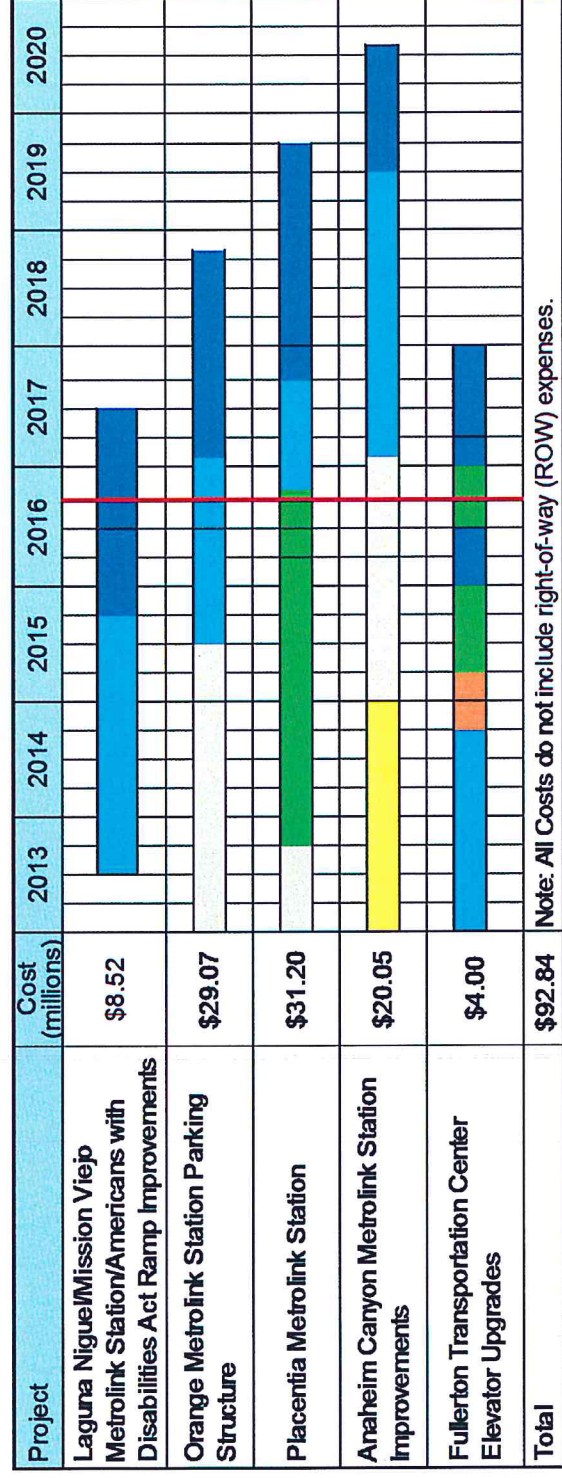


Supplemental Information



Rail Programs and Facilities Engineering Quarterly Report

Station Improvements



Rail Corridor Improvements



Schedule / Cost

Project	Cost (millions)	2013	2014	2015	2016	2017	2018	2019
San Clemente Beach Trail Crossings Audible Warning System	\$ 4.50	■						
17th Street Grade Separation	\$ 55.00		■	■	■	■	■	■
Laguna Niguel-San Juan Capistrano Passing Siding	\$ 25.27		■	■	■	■	■	■
San Juan Creek Bridge Replacement	\$ 34.20				■	■	■	■
Control Point Fourth	\$ 8.51					■	■	
Positive Train Control Program (Orange County Transportation Authority (OCTA) Share)	\$ 39.92	■	■	■	■	■	■	■
Rail ROW Slope Stabilization	\$ 2.00	■	■	■	■	■	■	■
Total	\$ 164.90							

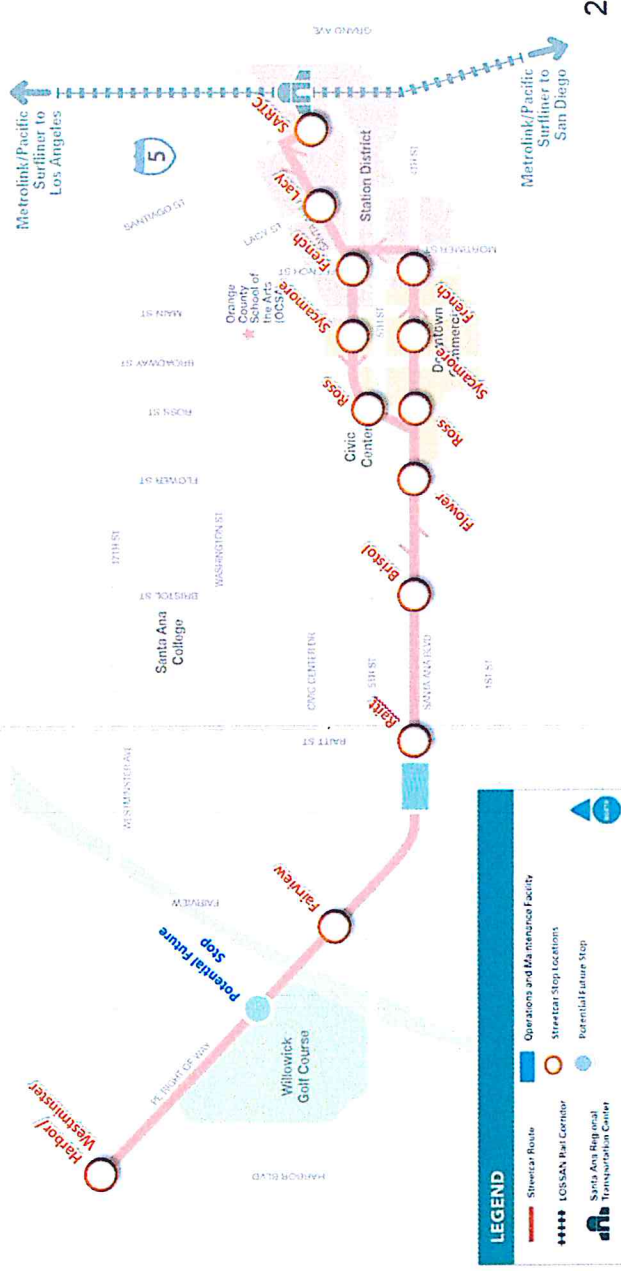
PAVED

Final Design

Construction

Planning

Transit Extensions to Metrolink: Santa Ana/Garden Grove Fixed-Guideway



2

Schedule	2013	2014	2015	2016	2017	2018	2019	2020
Alternatives Analysis, state/federal environmental clearance, and conceptual engineering								
Project Development/Preliminary Engineering/ Engineering*								
Construction**								

* Phases partially funded (Future programming and budget action subject to Board of Directors' approval)

** Pursuing federal New Starts

Rail Operations

Metrolink Operations

Fiscal Year 2016-17 First Quarter Update

Angels Express

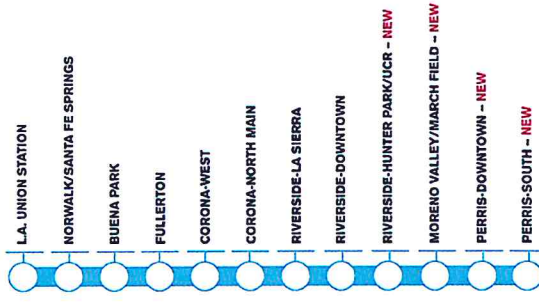
- Special Friday Inland Empire – Orange County Line trains to Angels home games starting at 7:05 p.m.
- Over 250 people attended the opening event at the Irvine Metrolink Station on April 4, 2016.
- More than 26,000 boardings through the end of June 2016.
- Kids ride free in July and August 2016.

Perris Valley Extension of the 91 Line

- An extension to the 91 Line (Riverside to Los Angeles via Fullerton) opened on June 1, 2016.
- Passengers can ride to Los Angeles via Orange County from four new stations: Riverside Hunter Park (UCR), Moreno Valley/March Field, Perris – Downtown, and Perris – South.

New Tier 4 Locomotives

- The first of 40 new Metrolink Tier 4 clean emissions locomotive arrived in Los Angeles mid-June 2016.
- Clean diesel locomotive will reduce particulate matter and nitrogen oxide emissions by up to 85 percent.



Facilities Engineering

Project	Cost (millions)	2015	2016	2017
Ana, GG Bases - LNG Underground Storage Tanks Removal	\$ 1.50			
Iv CC Base - Maintenance Building Heating, Ventilating, Cooling	\$ 0.21			
LBTC - Bridge Assessment and Repair	\$ 0.35			
FPNR - Bus Dock Platform Minor Rehabilitation	\$ 0.15			
GG Base - Maintenance Building HV Unit Replacement	\$ 0.25			
GG Base - Vehicle Inspection Station Equipment Canopy	\$ 0.26			
All Bases - Bus Wash Run-Off Mitigation	\$ 1.00			
All Bases - Fall Protection at Maintenance Bays / Skylights	\$ 0.17			
SA Base - Facility Modifications for Hydrogen Buses	\$ 1.13			
GG, FPNR - Pavement Repairs	\$ 0.28			
SA, GG Bases - Video Surveillance System	\$ 1.20			
TSOC - Preliminary Engineering and Environmental Clearance	\$ 0.90			
TOTAL	\$ 7.40			

Final Design Bid Construction

OCTA Facility Legend:

Ana	Anaheim Bus Base
FPNR	Fullerton Park-and-Ride
GG	Garden Grove Bus Base
Iv CC	Irvine Construction Circle Bus Base
Iv SC	Irvine Sand Canyon Bus Base
BPNR	Brea Park-and-Ride
GWTC	Golden West Transportation Center
NPTC	Newport Transportation Center
LBTC	Laguna Beach Transportation Center
SA	Santa Ana Bus Base
TSOC	Transit Security Operations Center



GG Asphalt Pavement Overlay



FPNR Asphalt Pavement Replacement