

FY18 New Capital Projects

Measure M Projects

1	PROJECT: Airport Metro Connector: Construction (860303)
	PROJECT OWNER: Program Management - Transit
	LOP: <i>to be adopted at a future date</i> FY18: \$69,685,149
	SCOPE: Connects Metro Green Line Rail, Crenshaw/LAX Line Rail, and Metro and municipal bus service to the Los Angeles International Airport (LAX) via the LAX Automated People Mover.
	JUSTIFICATION: Airport Metro Connector project will integrate the Metro Green Line Rail, Crenshaw/LAX Line Rail, and Metro and municipal bus service to the Los Angeles International Airport (LAX) via the LAX Automated People Mover. This project will provide reliable, fast and convenient access between LAX and the regional bus and rail transit system.
	ELIGIBLE FUNDING SOURCE: Measure M, Measure R; will seek federal monies if available
2	PROJECT: Gold Line Foothill Extension 2B: Construction (865202)
	PROJECT OWNER: Program Management - Transit / Foothill Gold Line Authority
	LOP: <i>to be adopted at a future date</i> FY18: \$2,675,731
	SCOPE: FY18 is focused on engineering design to support the environmental phase and prepare for transition to construction phase.
	JUSTIFICATION: Measure R funds were used for the environmental clearance on the Foothill Gold Line extension to Claremont. Passage of Measure M in Nov-16 allows for the construction of this extension. Foothill Gold Line Authority is responsible for the delivery of the extension to Claremont.
	ELIGIBLE FUNDING SOURCE: Measure M, Measure R as authorized per Funding Agreement

Operating Capital - Bus

3	PROJECT: New Flyer 60 foot Articulated Zero Emission Bus (201075)
	PROJECT OWNER: Operations - Bus Vehicle Acquisitions
	LOP: <i>to be adopted at the time of contract award</i> FY18: \$10,650,000
	SCOPE: Procure five 60' articulated New Flyer battery electric buses and charging equipment for deployment on the Metro Orange Line
	JUSTIFICATION: Project was awarded a Federal LoNo grant to purchase five buses and related charging equipment.
	ELIGIBLE FUNDING SOURCE: LoNo grant, Measure M

FY18 New Capital Projects

4	PROJECT: Connected Buses with Wi-Fi (207152)
PROJECT OWNER: ITS - Business Applications	
LOP: \$7,967,000	FY18: \$1,146,990
SCOPE: Install data communications equipment to the bus fleet to enable a real time network connection between the bus and our Metro network for monitoring of onboard systems such as security cameras, fareboxes, GPS and vehicle health monitoring. Secondly to provide Internet access via Wi-Fi to passengers to improve the customer experience.	
JUSTIFICATION: Since July 2013, several board motions have directed staff to pursue the installation of Wi-Fi and other technologies on buses and trains to improve the customer experience. Proof of concept and initial pilot tests have indicated this is a feasible investment for Metro. Once a bus is "connected" to the Metro network there are operations and security benefits due to staff's ability to connect to these buses on a real time basis.	
ELIGIBLE FUNDING SOURCE: local funds; will seek grant funds when available	

Operating Capital - Rail

5	PROJECT: Blue Line Emergency Trip System Replacement (205108)
PROJECT OWNER: Operations - Wayside	
LOP: \$8,306,000	FY18: \$600,000
SCOPE: Replacement of the existing Emergency Trip System on the Blue Line.	
JUSTIFICATION: The existing system is unreliable and when it fails, causes loss of power to trains, and subsequent bus bridging negatively impacts patrons.	
ELIGIBLE FUNDING SOURCE: Prop A 35%, TDA Article 4, Measure R 2%	

6	PROJECT: Correct Door Enable on Light Rail Train (214002)
PROJECT OWNER: Risk Management - Safety	
LOP: \$9,061,000	FY18: \$16,888
SCOPE: Install system to prevent rail car doors from opening on the opposite side of the platform while in service by modifying existing train control system.	
JUSTIFICATION: Preventing non-platform side door from opening when train is berthed at a station allows for patrons to disembark onto the platform safely.	
ELIGIBLE FUNDING SOURCE: Prop A 35%, TDA Article 4, Measure 2%	

7	PROJECT: P2550 Light Rail Vehicle Mid-Life Overhaul (214003)
PROJECT OWNER: Operations - Rail Vehicle Acquisitions	
LOP: <i>to be adopted at a future date</i>	FY18: \$615,000
SCOPE: P2550 Light Rail Vehicle (LRV) Mid-Life Overhaul Program	
JUSTIFICATION: Maintain the State of Good Repair on the 50 Ansaldo-Breda P2550 LRV by performing a Mid-Life Overhaul	
ELIGIBLE FUNDING SOURCE: Prop A 35%, TDA Article 4, Measure R 2%	

FY18 New Capital Projects

Operating Capital - Other

8 PROJECT: Enterprise Telephone & Unified Messaging System (207149)
PROJECT OWNER: ITS - Systems Architecture
LOP: \$10,146,000 FY18: \$625,630
SCOPE: Replace the existing analog telephone system with a unified communications system which consists of VOIP, email messaging, video conferencing, video presence, and interoperability with radio and telephone communications. This replacement affects approximately 3,500 phones located at USG building and all Metro bus and rail divisions.
JUSTIFICATION: To enhance and improve Metro's business communications, to simplify the networking architecture by converging data and voice onto the same platform, and to reduce telecommunication leased line expenses.
ELIGIBLE FUNDING SOURCE: local funds

Revised Project Scope

Operating Capital - Rail

9 PROJECT: MBL Signaling Rehabilitation and Operational Improvements (211005)
PROJECT OWNER: Program Management - Engineering
LOP: \$118,990,580 FY18: \$19,936,216
SCOPE: Upgrade existing signal and overhead catenary systems along the Blue Line track alignment and Blue Line yard. Upgrade includes additional interlockings and enhanced control mechanisms for the relays and circuits. This project encompasses the 3 existing projects - signal rehabilitation along the track and yard (211005 and 205073, respectively), overhead catenary system rehabilitation (211002) - as part of its broadened scope.
JUSTIFICATION: Much of the Blue Line's signal and overhead catenary systems have aged and is in need of rehabilitation. The yard operations in particular provide a challenge to staff as the system is obsolete and relies heavily on manual controls. This upgrade will take advantage of the latest technology to bring efficiency and stability to system controls thus providing reliable and safer operation. The enhance technology will also make the Blue Line compatible with Regional Connector system. The additional interlockings will improve the headways when single tracking and allow for improved service to the Blue Line patrons.
ELIGIBLE FUNDING SOURCE: TIRCP, Prop A 35%, TDA Article 4 and other local funds

NOTE: Funding sources identified for each of the projects are the most likely source available for respective projects. Should other sources be available (i.e. grants), those will be used to fund the project(s), with the identified local funds being the source of the match.