Adopted Budget

July 1, 2016 – June 30, 2017

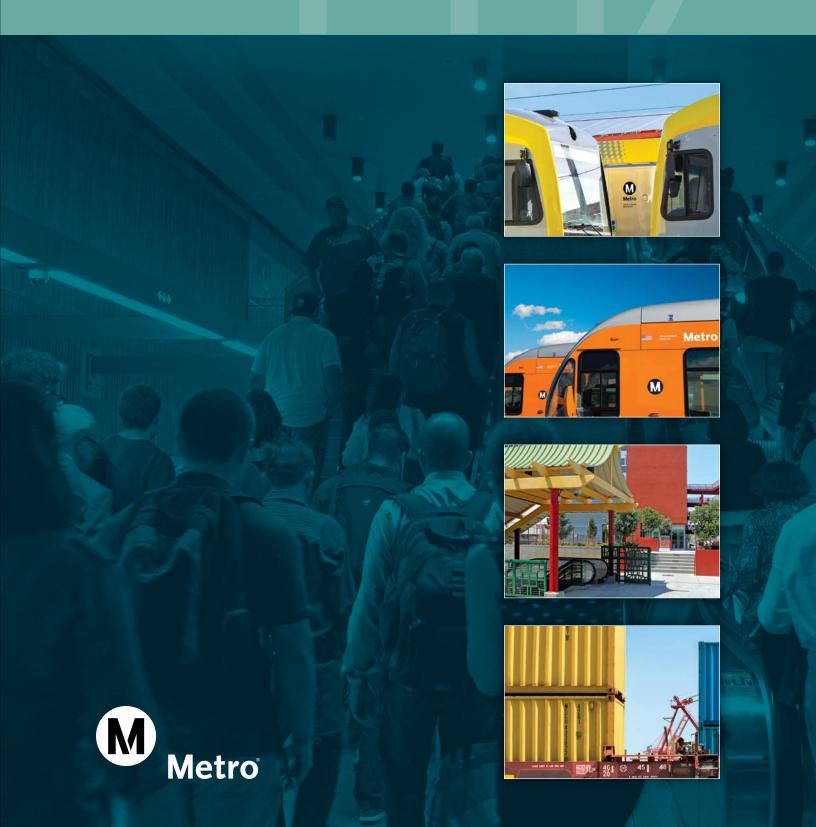


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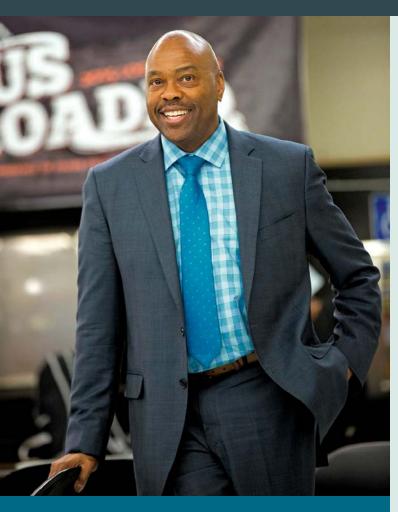
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Building Our Mobility



4 Message from the CEO



There was much to celebrate in Fiscal Year 2016 (FY16).

During the 25th anniversary year of Metro Rail, we continued our ambitious transportation revolution by opening two rail lines: the Gold Line extension to Azusa and the Expo Line extension to Santa Monica. The addition of new service brings the Metro Rail system to more than 100 miles, all of which was built in just 25 years.

In FY16, Metro broke ground on many more projects, such as the Southwestern Yard, a maintenance facility that will serve to keep the future Crenshaw/LAX light rail line in a state of good repair. We lowered a 950-ton tunnel boring machine into the ground to begin digging twin subway tunnels for Crenshaw/LAX. In partnership with Caltrans, we continued work on important highway improvements, particularly on the traffic-clogged 5 Freeway. Meanwhile, we provided almost 450 million rides to Los Angeles County residents and visitors on 2,200 clean-air CNG buses and the expanding Metro Rail system.

The year ahead will be every bit as exciting as we continue our efforts to improve traffic and deliver more mobility options to all parts of Los Angeles County for today, for tomorrow and into the future. Our growth continues with construction of one of the largest public works programs in the nation, including the Crenshaw/LAX Line connecting the Expo Line and the Green Line with a direct connection to LAX, the Regional Connector that will link light rail lines in downtown Los Angeles and the Purple Line subway that is finally headed west toward Beverly Hills and Westwood.

As custodians of taxpayer dollars, we pledge to be frugal, responsible, practical and accountable as we invest in the future of Los Angeles County. Even as we continue to grow, we are carefully monitoring our resources. Over the past year we continued to emphasize the importance of tightened financial controls with new tools, such as increased performance monitoring, annual project evaluations, and both mid-year and year-end budget assessments.

To complement and strengthen our transit network, we have an aggressive program to create a more walkable and bikeable environment. In FY17, we are launching Metro's Bike Share pilot program with more than a thousand bikes at more than 65 bike share stations throughout downtown Los Angeles. We also have an agreement with the car sharing network Zipcar to provide vehicles for hourly or daily reservations at 10 Metro Park & Ride locations. These programs are just two of the many

first-last mile connectivity efforts underway to make it easier for our patrons to reach Metro stations and stops. In fact, more than \$28 million is dedicated to first-last mile initiatives, active transportation and bike programs in FY17.

For FY17, our number one budget priority remains providing excellent, safe, clean and on-time transit service to the public. Accordingly, we have established a thorough asset management plan to keep our buses and trains, along with other facets of our infrastructure, in top form. To that end, we are accepting delivery of the last of 900 new CNG buses to update our fleet and improve comfort and safety for our patrons. In FY16, we opened Division 13, a new state-of-the-art bus maintenance and operations facility that will enhance our ability to service vehicles for lines originating in downtown Los Angeles. We are currently in the process of buying new light rail vehicles to support our expanding rail system, as well as continuing efforts to upgrade the Blue Line, our oldest rail line and one of the busiest light rail lines in the United States. As we upgrade our bus and rail fleets and maintenance facilities, we are also experimenting with new methods – like all-door boarding – for improving the on-time performance of our traffic-mired buses.

Among our safety and security goals is the achievement of an improvement in law enforcement response time to requests for help from customers and staff. We are also working to develop and launch more technology tools so our patrons can reach us when they need us. We recently rolled out cell service into our subways, which will facilitate open lines of communication, even underground.

With the benefit of a visionary Board of Directors, we have an opportunity this year to tackle the transportation infrastructure challenges of today, so that once and for all, we can overcome the infrastructure challenges of tomorrow. And we thank the voters of Los Angeles County for their continued foresight and support as we continue creating a balanced transportation system for all of Los Angeles County.

Phillip A. Washington Chief Executive Officer





Mark Ridley-Thomas Chair LA County Supervisor 2nd Supervisorial District



John Fasana 1st Vice Chair Council Member, City of Duarte



Eric Garcetti
2nd Vice Chair
Mayor, City of Los Angeles



Michael Antonovich LA County Supervisor 5th Supervisorial District



Mike Bonin Council Member, City of Los Angeles Mayor Appointee



James Butts Mayor, City of Inglewood



Diane DuBoisVice Mayor, City of Lakewood



Jacquelyn Dupont-Walker City of Los Angeles Mayor Appointee



Don Knabe LA County Supervisor 4th Supervisorial District



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Sheila Kuehl LA County Supervisor 3rd Supervisorial District



Ara Najarian Mayor, City of Glendale



Hilda L. Solis LA County Supervisor 1st Supervisorial District

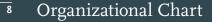


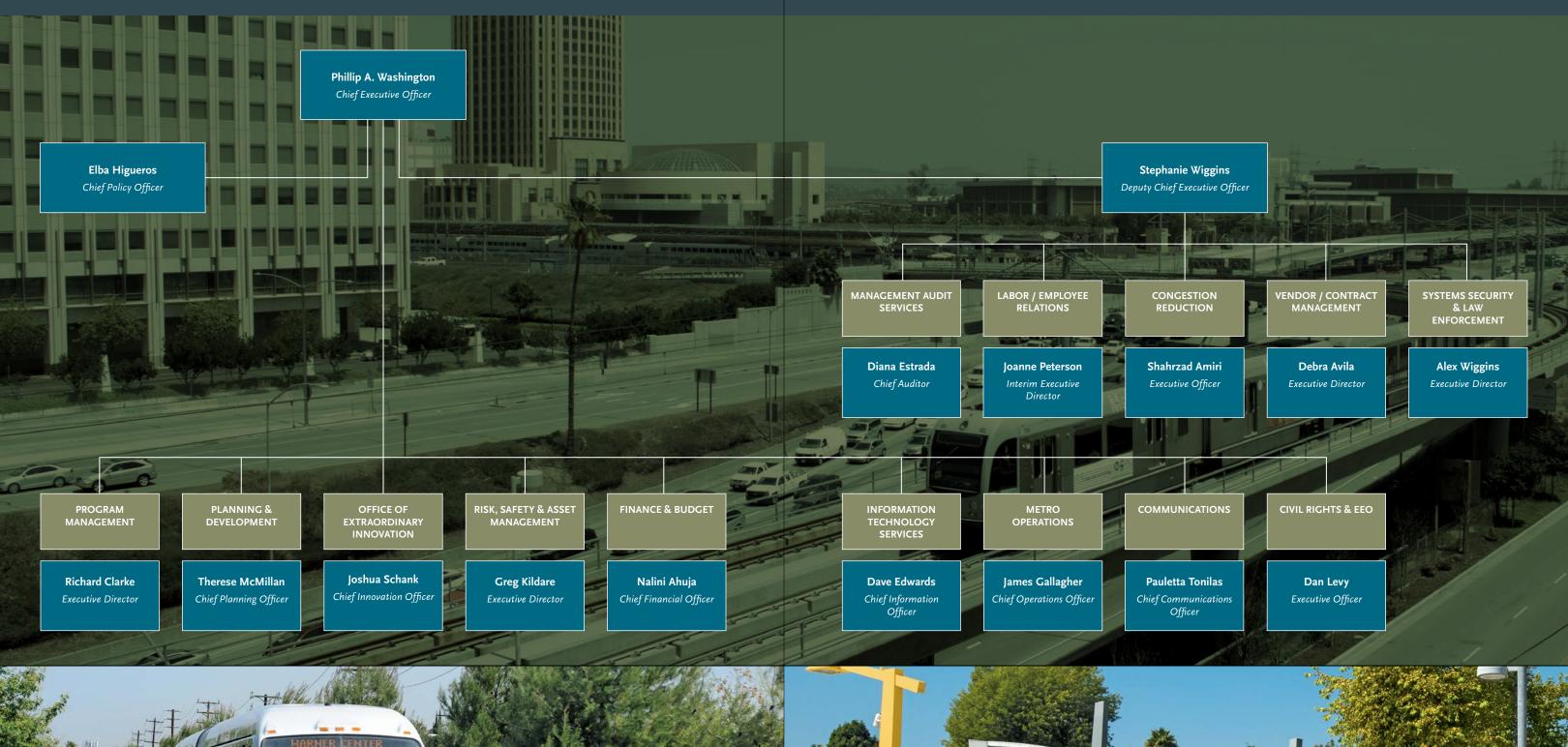
Carrie Bowen, Caltrans Ex-Officio Member Governor Appointee



Represents the composition of the Board of Directors that adopted the FY17 budget in May 2016.









Budget Highlights



The Los Angeles County Metropolitan Transportation

Authority, branded as "Metro," adopted a \$5.6 billion balanced budget for Fiscal Year 2017 (FY17). Metro's FY17 budget includes a full year of operation for two new rail lines, the Gold Line Foothill extension to Azusa and the Expo Line extension to Santa Monica, which opened to the public in March and May 2016, respectively. These two new Measure R rail extensions have significantly enhanced our transit network by connecting our mountains with our beach communities and increasing the total miles of Metro Rail service to more than 100 in Los Angeles County.

Metro Rail expansion continues in FY17 with three major rail lines in construction: the Regional Connector, Crenshaw/ LAX and the Westside Purple Line extension to La Cienega. As we continue to expand transit services and enhance service quality, projections show that we will face financial challenges. To mitigate future budget shortfalls, we are taking small steps now in order to avoid drastic measures in the future. Even with the addition of new rail services, rising costs and various new projects and programs, the FY17 budget represents a three percent decrease from the FY16 budget, proving Metro is resolute in controlling costs.

PURSUING LONG TERM FINANCIAL STABILITY

As we continue to expand our transit system, Metro is in the midst of multiple efforts to increase fiscal discipline and accountability throughout the agency. A zero-based budgeting technique was used for FY17, requiring all departments to justify every expense from the ground up. Every single project included in the FY17 budget has been reassessed with an emphasis on deliverables in an effort to increase efficiency while spending taxpayer dollars as responsibly as possible.

In January 2016, the Risk Allocation Matrix (RAM) was approved and the Internal Savings Account was established by an action of the Metro Board of Directors. These two new tools work in tandem: RAM is an ongoing agencywide collaborative process to identify a strategic mix of cost saving and revenue generating new initiatives, while the Internal Savings Account will capture new savings and revenues realized as a result of the RAM process and ensure prudent use of these monies. Ensuring financial stability is an ongoing agencywide responsibility, and each department will continue to identify new and innovative ways to increase revenues and decrease expenses in FY17 and beyond.

In FY16, we introduced a new process to true up actual expenses to budget projections at both mid-year and year end. These new strategies complement the RAM process and will continue to generate additional deposits to the Internal Savings Account. We also developed new Key Performance Indicators (KPIs) to help monitor and assess departmental performance. The status of the KPIs will be reported on a quarterly basis along with monitoring of the achievement of RAM savings or revenues. In addition to overall performance monitoring, a new effort for regular assessment of existing projects will be launched in FY17, upon which the status and accomplishments of every program will be evaluated annually.

By finding new ways to trim costs and generate revenues, holding each department accountable for performance measures and closely monitoring budget-to-actual variances, we are essentially reassessing the way Metro operates. With every efficiency improvement, we continue working toward a more secure financial future.

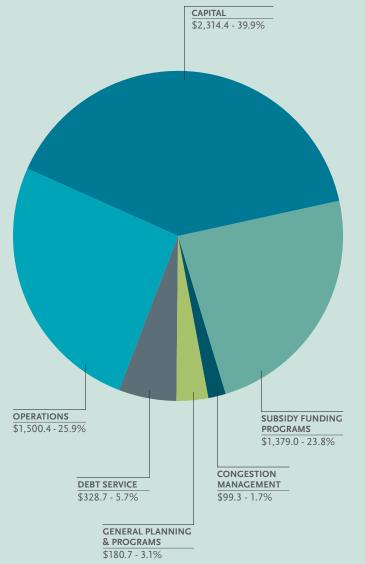


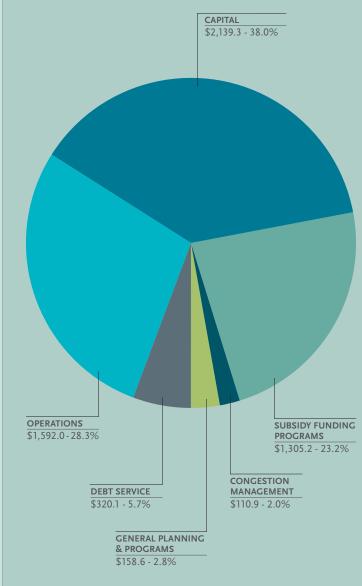
FY16 BUDGET (\$ IN MILLIONS)

\$5,802.4

FY17 ADOPTED BUDGET (\$ IN MILLIONS)

\$5,626.2





METRO BUDGET: FY17 VS FY16

Thanks to the completion of major projects, as well as agencywide efforts to control costs, the FY17 adopted budget represents a 3% decrease from the prior year. Through zero-based budgeting, RAM and cost control, we have absorbed cost inflation greater than CPI and achieved a \$176 million savings from the prior year.

As we continue to invest in Los Angeles County's transportation infrastructure, we must also keep our focus on exercising prudent control over our finances.

As a share of Metro's entire budget:

- > Capital expenses decreased from 40% in FY16 to a projected 38% in FY17, primarily due to the completion of construction on the Gold Line Foothill extension to Azusa and the Expo Line extension to Santa Monica.
- > Operations expenses have increased from 26% in FY16 to a projected 28% in FY17, primarily due to the opening of the new Metro Rail extensions.

Countywide Multi-Modal Transportation System **As our transit network grows,** it is important to remember that Metro is more than just buses and trains. We are also working toward improving available options for first-last mile connections to improve accessibility to the transit system and cultivate a more walkable and bikeable environment. Additionally, Metro works to improve highways, which our sprawling region relies heavily on as part of an integrated and multifaceted transportation network.

As the regional transportation planning agency for Los Angeles County, Metro allocates transit funds to Metrolink, Access Services and all of the municipal transit operators. In addition, a portion of sales taxes collected is provided to the county's 88 cities and unincorporated areas, allowing local governments to provide and maintain the building blocks of transportation at the local level.

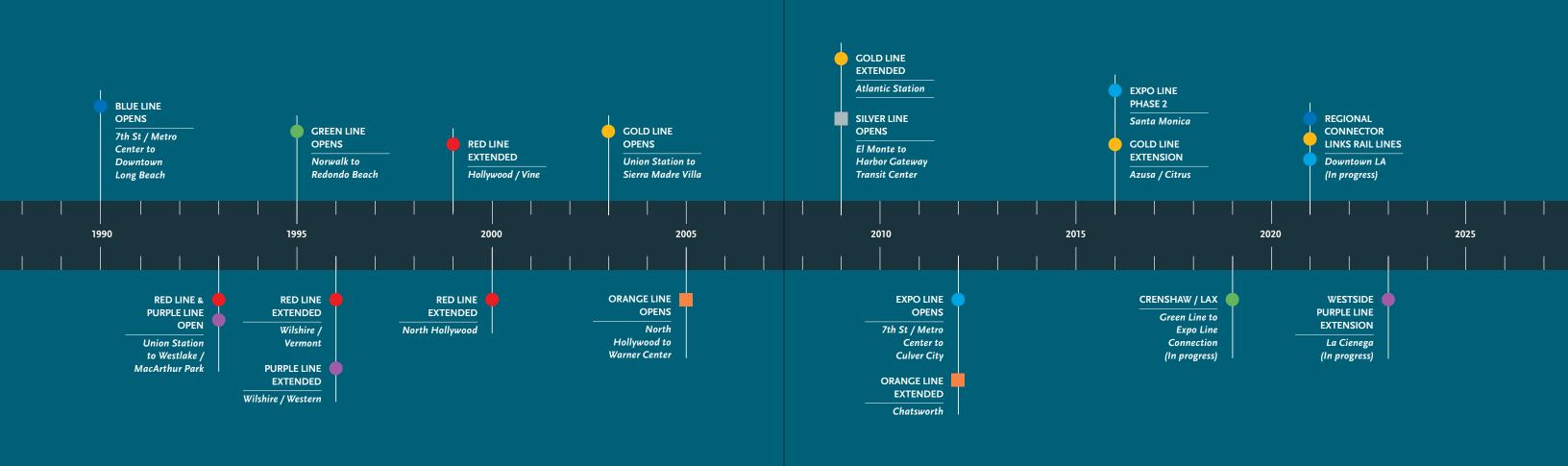
With all modes and all jurisdictions combined, we clearly are making strides toward achieving our goal of building the best, most innovative, balanced and customer-focused transportation system in the world.

The State of Good Repair (SGR) program continues to be a top priority within the FY17 capital plan. This year, SGR efforts will focus on a wide array of asset improvement and maintenance projects, including bus and rail system reliability improvements and technology improvements. We are also concluding our recent acquisition of new 40-foot buses while completing bus midlife maintenance and engine replacements. In FY17, we will initiate new light rail and heavy rail vehicle acquisitions in addition to conducting component and midlife overhauls.

As we improve the assets of our bus and rail system, we will also place an emphasis on infrastructure improvements. Union Station renovations for Fire and Life Safety improvements and ADA requirements are underway, while various improvements will be made to the Metro Headquarters building.

While we work to expand our transit network, it is of utmost importance that we focus more than ever on maintenance of our assets in order to ensure that the system we are building operates in top form.

State of Good Repair



In FY17, the number one budget priority related to transit

service is to provide safe, clean and on-time buses and trains to the public. We are also focusing resources on inspecting, cleaning and maintaining our vehicle fleets and our transit stations to ensure our assets meet Metro and industry standards. New light rail vehicles are being procured to support the operation of our expanded Metro Rail system, and the final 75 buses to complete the 900 40-foot CNG bus buy are being purchased and delivered. With the completion of this most recent bus procurement, one third of the Metro bus fleet is now three years old or newer.

MORE TO EXPLORE

The end of FY16 marked the highly anticipated openings of the Gold Line Foothill extension to Azusa and the Expo Line extension to Santa Monica. These new extensions connect our mountains and beach communities and offer a relaxing and money-saving alternative to driving on the busy I-210 and I-10 Freeways.

The Gold Line now extends east from Pasadena to Azusa, with six new stations serving five cities and countless destinations in the San Gabriel Valley. The completion of the Expo Line has extended Metro Rail service west from Culver City to the coast, providing an opportunity for rail travel to Santa Monica for the first time in more than six decades.

Together, the Gold Line and Expo Line extensions added 13 new rail stations and expanded the Metro Rail system by 20%. To improve system infrastructure and ensure smooth operation of our expanded Gold Line and Expo Line, two new operating and maintenance facilities were opened concurrently with the extensions: the Monrovia Division and the Santa Monica Division.

ALL-DOOR BOARDING

We continue to launch new programs designed to improve on-time performance and the rider experience. The FY16 all-door boarding (ADB) pilot program reduced dwell time by 30-60% by allowing rear door boarding. Due to these favorable results, the ADB program is now being extended to the Silver Line in FY17. This expansion of the ADB effort will enable increased data collection and more accurate measurement of the impact ADB has on transit service. As we continue to test new approaches to increasing efficiency, we are improving the customer while simultaneously working to reduce operating expenses.

CUSTOMER OUTREACH

Various efforts are currently underway to increase the flow of transportation information from Metro to the residents of Los Angeles County. As in prior years, Community Relations works to build support and enhance awareness of Metro's services, programs and initiatives with cities, businesses and community leaders. Through these outreach efforts to coordinate activities with key stakeholders, we are maximizing the impact of Metro's relationship with the community. To provide information to potential riders in close proximity to our transit system, safety awareness training continues at K-12 schools, organizations and institutions within a mile and a half of Metro Rail lines.

To reach an even wider audience, new programs are also being tested. A pilot Metro Mobile Customer Center is being launched at the start of FY17 as a new resource of transportation information for residents of underserved areas. The pilot program is designed to give transit customers in areas without access to a Metro Customer Center the ability





SOCIAL MEDIA MARKETING

community events.

During FY16, Metro created a database of nearly two million likely or potential transit riders through social media partnerships. This database creates unprecedented opportunities to communicate with our riders and the public. In FY17, we will continue to develop advanced targeting capabilities to promote ridership, concentrating on those who live and work within a half mile of transit stations or stops. Using innovative ad targeting and delivery platforms, we expect to see a significant increase in the success of these campaigns, which will result in an increase in ridership and an improved ability to reach Metro customers.

and obtain transportation information. For the pilot period,

visits will be focused on senior centers, schools and special

TECHNOLOGY PARTNERSHIPS

Map technologies and mobile devices are on the rise with Metro customers. The majority of visits to the Metro website occur from mobile devices, and the mobile app Go Metro Los Angeles has been downloaded more than one million times. This shift to digital and handheld data has created a new way to circulate transportation information, and Metro is intent on maximizing the opportunity by seeking to establish and maintain technology partnerships in FY17 and beyond.

Since 2009, Metro transit data has been available on Google Maps, allowing customers to plan custom trips using Metro buses and trains. Last year, Metro expanded its digital reach through additional partnerships with technology companies such as Apple and Waze. Through these agreements, transit





data has become available to an estimated 700 million iPhone and iPad users worldwide, with road and construction information now available to an estimated one million Waze customers in the Los Angeles area. These partnerships bring instant travel information to millions of customers, increasing the flow of transportation data and positioning Metro as a leader in public/private partnerships.

LONG RANGE TRANSPORTATION PLAN

With the completion of the Expo Line and Gold Line extensions in FY16, it is clear that we are making significant progress on the promises of Measure R. At this point, it is important to continue planning for the future. In FY17, the Planning department will lead the development of the 2017 Long Range Transportation Plan (LRTP) for Board adoption. This effort requires extensive coordination with all Metro departments, partner agencies, stakeholders and community members, and the final LRTP will align the agency's capital investment program with adopted board policies. Once the LRTP is formally adopted by the Board, it will act as the governing document for the future of Metro and transportation in the Los Angeles County region.

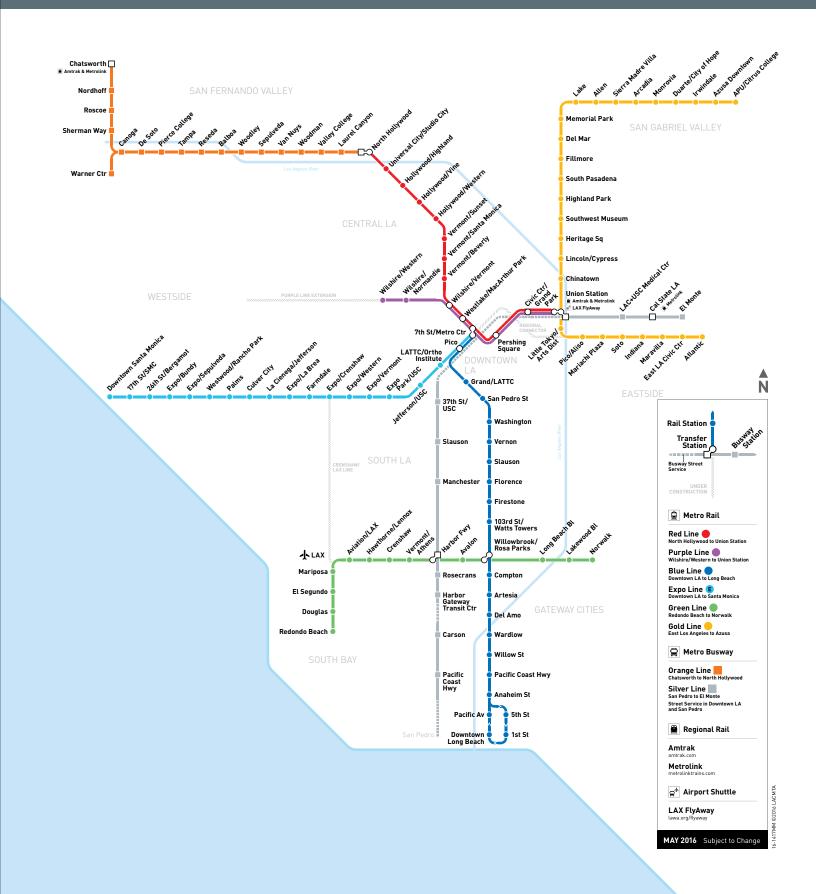
METRO LINE TO GOAL LINE

As transportation needs change, so does our transit service. In March 2016, a "Metro Line to Goal Line" task force was created to plan for new transportation needs resulting from the National Football League (NFL) team expected in Los Angeles County later this year. This task force is charged with identifying and addressing the transportation issues and opportunities associated with the imminent arrival of an NFL team, which is expected to dramatically increase transit demand around the football stadium.

By planning carefully now, we aim to ensure that Los Angeles County's adjustment to hosting an NFL team will be a smooth one. Furthermore, the enhancements to transit service that will be necessary to accommodate a new professional sports team will benefit all transit riders in the area, improving service for football fans and residents alike.

The task force is made up of internal and external partners and is investigating a wide array of transportation issues surrounding the introduction of an NFL team to our region. Topics include a transit operations service plan, increased security and police presence, marketing of transit as a transportation option, joint development and first-last mile opportunities for completing trips to the stadium.

METRO RAIL & BUSWAY



Metro continues construction of one of the largest public works programs in America, thanks to Measure R and other funding partners. These transit and highway construction projects will improve mobility and increase vehicle capacity, allowing for smoother traffic flow, better system connectivity and seamless travel for everyone in Los Angeles County. A list of major projects and programs underway in FY17 is shown below.

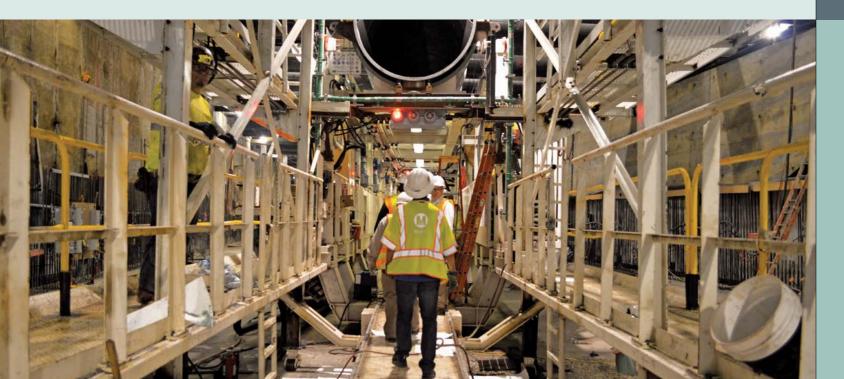
TRANSIT PROJECTS

- > Crenshaw/LAX will complete design efforts and continue construction with station and tunneling activities
- Southwestern Yard design/build contract will continue final design and construction with service opening in line to support the Crenshaw/LAX project
- Metro Airport Connector accommodations will continue design efforts and construction to minimize system impacts when the final Airport Connector Station project is developed
- Regional Connector, connecting Little Tokyo and 7th Street/Metro stations, will continue ongoing design and construction with tunneling work to start in FY17
- > Westside Purple Line Extension Section 1 to La Cienega ongoing design and advanced utility relocations leading to construction; continued pursuit of a Full Funding Grant Agreement (FFGA) for Section 2; and pursue project acceleration for Section 3

- > Alternatives analysis, environmental impact and/or refinement studies ongoing for:
- Airport Metro Connector
- Eastside Extension Phase II
- Sepulveda Pass Corridor
- East San Fernando Rapidways North/South
- South Bay Metro Green Line Extension
- West Santa Ana Branch

HIGHWAY PROJECTS

- > Continuation of Countywide Soundwall Projects
- > Construction is underway for:
- I-5 North & South Capacity Enhancements
- 1-5 South Carmenita Road Interchange Improvement
- I-5 North SR-134 Improvement
- Alameda Corridor East Grade Separation
- I-405 Enhancements
- SR-60 HOV Lane
- > Environmental, planning and engineering studies:
- I-605 Hot Spots
- SR-710 North Gap Closure
- SR-710 South and Early Action Projects
- SR-138 Capacity Enhancements
- > Subregional Projects:
- Las Virgenes/Malibu Highway Operational Improvements
- I-405, I-110, I-105, SR-91 Ramp & Interchange



MEASURE R RAIL AND RAPID TRANSIT EXPANSION & HIGHWAY IMPROVEMENTS



RAIL AND BUS RAPID TRANSIT EXPANSION

- Exposition Boulevard Light Rail Transit (completed)
- (IB) Crenshaw Transit Corridor
- Regional Connector
- Westside Purple Line Extension (to be opened in segments)
- Gold Line Eastside Extension *(alignment to be selected)
- Gold Line Foothill Light Rail Transit Extension (completed)
- Green Line Extension South Bay Corridor *
- Airport Metro Connector
- Orange Line Canoga Extension (completed)
- East San Fernando Valley Transit Corridor *
- West Santa Ana Branch Corridor *
- Sepulveda Pass Transit Corridor *
- Metrolink Capital Improvement Projects (Los Angeles County)

HIGHWAY IMPROVEMENTS

- I-5 Capacity Enhancement: I-605 to Orange County Line
- B I-5 Capacity Enhancement: SR-134 to SR-118
- c I-5/SR-14 HOV Direct Connector (completed)
- I-5 HOV Lanes from SR-14 to Parker Rd & Truck Lanes from SR-14 to Kern County Line
- SR-138 Capacity Enhancements
- I-405 Sepulveda Pass Improvements Project (completed)
- I-605 Corridor "Hot Spot" Interchanges (Study Area)
- H I-710 Corridor Project EIS/EIR
- SR-710 North (Initial Study Area)
- J High Desert Corridor Project
- K Arroyo Verdugo Operational Improvements
- Las Virgenes/Malibu Operational Improvements
- South Bay (I-405, I-110, I-105 & SR-91) Ramp Operational Improvements

* Locally Preferred Alternative to be selected





In FY17, we continue our commitment to keeping our system in top form by dedicating \$253 million to State of Good Repair (SGR), which is an element of the operating capital program. To ensure our system is safe and reliable, we must emphasize SGR as a major regional transportation priority that is just as important as building transit projects and providing transit service. As we take a proactive approach to continuously maintaining our assets, we are directly improving our ability to deliver more passengers on time without interruptions.

SGR capital improvements for FY17 include completion of delivery on the last of the 900 40-foot CNG buses procured in earlier fiscal years. Procurement will begin for new 40-foot and articulated bus acquisitions, while bus midlife and engine replacements will restore our older vehicles. Similar projects will be undertaken for our rail lines, with contract awards anticipated for new heavy rail vehicles and heavy rail vehicle overhauls, as well as continued delivery of new light rail vehicles and progress on light rail vehicle overhauls.

To update our rail stations, SGR improvements are being made to the Willowbrook/Rosa Parks Station, the transfer point between the Blue Line and Green Line. Furthermore, escalators in the aging Red Line stations will be modernized and rehabilitated to improve access to our transit system. Meanwhile, nonrevenue vehicle replacements will provide more reliable transportation for Metro staff and improve response times for service needs and emergencies.

Operating Capital by Category

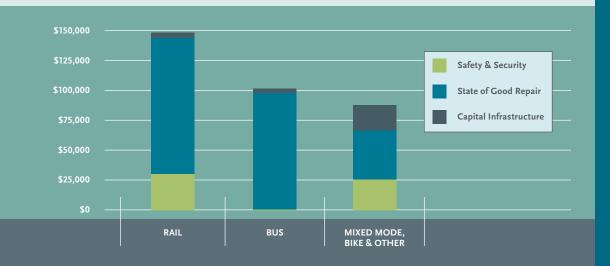
OPERATING CAPITAL BY MODE (\$ IN THOUSANDS)	SAFETY & SECURITY	STATE OF GOOD REPAIR	CAPITAL INFRASTRUCTURE	MODE TOTAL
Bus	\$ 112	\$ 96,980	\$ 4,056	\$ 101,148
Rail				
Blue Line	19,309	15,961	-	35,270
Gold Line	-	4,316	1,761	6,077
Green Line	770	2,274	-	3,044
Red/Purple Line	7,356	31,513	1,343	40,212
Multiple Rail Lines	1,503	60,616	993	63,112
Mixed Mode	12,203	19,748	12,817	44,768
Bike	-	-	6,489	6,489
Other (Technologies, Regional, etc.)	12,536	21,626	2,452	36,615
Total Operating Capital	\$ 53 789	\$ 253,035	\$ 29 912	\$ 336 735

SAFETY & SECURITY IMPROVEMENTS

Metro defines operating capital as an investment for the repair, rehabilitation and replacement required to maintain reliable, safe, effective and efficient transit service. An operating capital program that achieves this vision requires enhancing and improving the transit system with up-to-date safety features and technological improvements that address security concerns in today's environment.

This year, the majority of rail safety and security capital improvements are planned for the oldest Metro Rail line, with \$19 million budgeted for improvements on the Blue Line. Infrastructure upgrades are being made to enhance pedestrian safety at grade crossings, and the signal system continues to be rehabilitated on both the Blue Line and the Green Line to ensure that trains can travel safely on our expanding rail system.

Construction of the Red Line Universal City pedestrian bridge is expected to be completed in FY17, and work will continue on the Red Line to Orange Line pedestrian underpass at North Hollywood Station. These projects will improve safety by eliminating the necessity of crossing vehicular traffic when traveling to or between these stations on foot. Finally, to enhance systemwide safety and security, improvements to the Emergency Operations Center will continue through FY17, as will security upgrades to the Universal Fare System.



Operating Capital by Mode (\$ in Thousands)

Note

Totals may not add due to rounding.

Note



ACTIVE TRANSPORTATION

Active transportation refers to human-powered methods of travel, such as bicycling, walking, skating or using a wheelchair to get from one place to another. Everyone uses active transportation at some point in a trip, whether walking to a rail station, bicycling to work or rolling home from a bus stop. In FY17, Metro continues work on a number of projects and programs to advance active transportation and provide more travel options throughout Los Angeles County.

In July 2016, Metro Bike Share will launch in downtown Los Angeles with up to 65 stations and 1,000 bicycles. This form of active transportation is designed to serve as a new first-last mile solution for connecting users with transit in the downtown area. Payment for Metro Bike Share is fully integrated with the bus and rail system: the program utilizes TAP fare payment and will be the first bike share program in North America that was planned as an extension of transit.

As we launch Metro Bike Share downtown, we are also working with other communities to expand the system in the next few years to areas such as Pasadena, Huntington Park, Glendale, Burbank, North Hollywood, East Los Angeles, Exposition Park, the San Gabriel Valley and others.

Work continues on the LA River Gap Closure Project, which will close the gap in the LA River Bike Path between Elysian Valley and Vernon. Once the project is complete, there will be a continuous 32-mile bikeway along the river running from the San Fernando Valley in the north to Long Beach in the south. Similarly, the Rail to Rail/River Active Transportation Corridor (ATC) will provide the communities of south and southeast Los Angeles with a dedicated bicycle and pedestrian corridor. The ATC will improve multimodal connectivity at three regionally significant north-south transit lines: the future Crenshaw/LAX Line, the Silver Line bus and the Blue Line, with future connection to the LA River.

Together, these efforts will create a backbone for a new active transportation infrastructure while simultaneously enhancing mobility, providing increased commute options and improving the overall quality of life for the local communities surrounding the projects.

JOINT DEVELOPMENT

Last year, Metro launched the Transit Oriented Communities
Demonstration Program to showcase a comprehensive

approach to building communities that support transit. Under the program, Metro partnered with other government agencies to develop a Transit Oriented Communities Loan Fund that will support affordable housing and small businesses along transit corridors. We also adopted a formal policy on affordable housing. The new policy encourages the construction of more affordable housing in transit oriented communities by establishing a goal that 35% of residential units built on Metro owned land be affordable to households at or below 60% of the median income for the area.

Joint development efforts continue in FY17 with the commencement of community engagement for the El Monte Station, Vermont/Santa Monica Station and Division 6 joint development sites. Four Request for Proposals (RFPs) will be released to solicit new ideas for two sites along the Crenshaw/LAX corridor and two in Boyle Heights along the Gold Line Eastside extension. Developer selections will be brought to the Board before the end of the fiscal year.

GOODS MOVEMENT

There is growing interest by our federal and state partners in the Los Angeles County ports as a crucial import and export site. Together, the Ports of Los Angeles and Long Beach make up the largest seaport in the United States, facilitating more than 14 million containers per year. Accordingly, goods movement is a major area of focus for the agency this year as Metro works to coordinate goods movement policy and funding in Los Angeles County and surrounding regions. These efforts will ensure that a plan is in place to alleviate congestion on high traffic goods movement corridors, enabling Los Angeles County to continue to thrive as the country's main port for international trade.

URBAN GREENING

Through providing mobility options and choices, Metro plays an active part in lowering greenhouse gas emissions and increasing both physical and economic health in our local communities. In January 2016, the Metro Board adopted the Urban Greening Implementation Action Plan, which includes tools for developing projects that improve transit access and sustainability of areas around stations. The website for the program showcases a user-friendly toolkit that provides placemaking and greening resources for local jurisdictions and community groups spearheading projects around transit locations, making Metro a key player in sustainable planning and design throughout the entire region.

PARKING MANAGEMENT

Metro's parking program, which provides parking for approximately four million cars annually, implemented a new parking ordinance in FY16. The ordinance establishes guidelines that govern the management of Metro's 87 parking facilities, which serve 59 transit stations with approximately 25,000 total parking spaces.

In FY17, a parking guidance system will be implemented at targeted high-use facilities to provide real-time parking availability information to our customers. Meanwhile, a parking management pilot program will be launched in order to manage demand through parking fees and permits. To explicitly lay out future enhancements, parking program staff will finalize the Supportive Transit Parking Program Master Plan and bring it to the Board for adoption this year. As we work to improve the management of available parking, we are striving to make it easier and more convenient for drivers to choose transit over their cars.

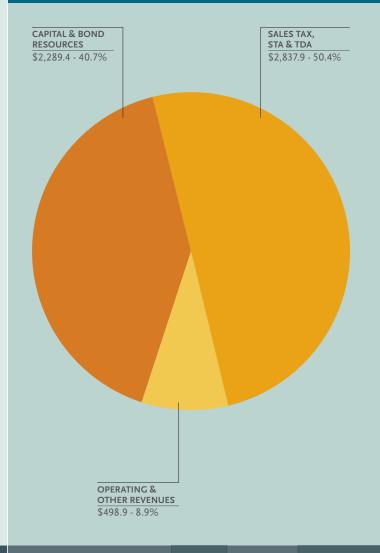




RESOURCE ASSUMPTIONS

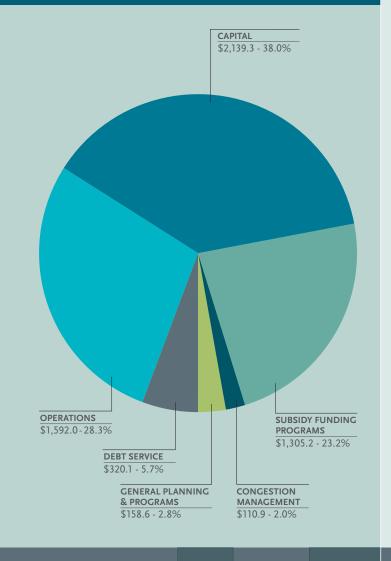
- > Sales tax and TDA revenues are expected to grow at 3.3% over the FY16 budget. This represents a growth consistent with actual and projected receipts for FY16 and is in line with nationally recognized economic forecasting sources.
- > Fare revenues will increase by 1.8% over the FY16 budget reflecting a full year of operations of the Gold Line Foothill extension to Azusa and the Expo Line extension to Santa Monica.
- > State Transit Assistance (STA) revenues for bus and rail operations and capital in FY17 are expected to be \$52.9 million regionwide, representing a 50.0% decrease from the FY16 budget due to continued statewide decline in diesel fuel prices and demand.
- > Grant reimbursements, Transportation Infrastructure Finance and Innovation Act (TIFIA) loan drawdowns and sales tax carryover will total \$2.3 billion in FY17, which is in line with planned expenditure activities. Cap and Trade funding for Metro totals \$13 million and Federal CNG fuel credits of \$18 million are expected to fund operations.
- > ExpressLanes toll revenues are expected to come in at \$60.0 million in FY17, which equates to a 3.5% decrease from the FY16 budget based on actuals year to date.
- > Advertising revenues of \$25.1 million are based on a fixed guaranteed amount.

SUMMARY OF RESOURCES (\$ IN MILLIONS)



BUDGETED RESOURCES (\$ IN MILLIONS)	FY16 BUDGET	FY17 ADOPTED	% CHANGE
Sales Tax, STA & TDA	\$ 2,801.7	\$ 2,837.9	1.3%
Operating & Other Revenues	486.9	498.9	2.5%
Capital & Bond Resources	2,513.8	2,289.4	-8.9%
Total Resources	\$ 5,802.4	\$ 5,626.2	-3.0%

SUMMARY OF EXPENDITURES (\$ IN MILLIONS)



BUDGETED EXPENDITURES (\$ IN MILLIONS)	FY16 BUDGET	FY17 ADOPTED	% CHANGE
Operations	\$ 1,500.4	\$ 1,592.0	6.1%
Capital	2,314.4	2,139.3	-7.6%
Subsidy Funding Programs	1,379.0	1,305.2	-5.3%
Congestion Management	99.3	110.9	11.7%
General Planning & Programs	180.7	158.6	-12.2%
Debt Service	328.7	320.1	-2.6%
<u>Beat service</u>	320.7	320.1	2.070
Total Expenditures	\$ 5,802.4	\$ 5,626.2	-3.0%

EXPENDITURES ASSUMPTIONS

- > The FY17 budget assumes a slight 0.8% decrease in bus revenue service hours, primarily due to increased speed and optimization of service levels. This also includes implementation of Line 501 (North Hollywood to Pasadena Express) for a full year and other anticipated special event coverage and bus bridges.
- > Rail revenue service hours will increase by 15.4%, reflecting a full year of operations of the Gold Line Foothill extension to Azusa and the Expo Line extension to Santa Monica. Budgeted headways will match current actual headways for night service, and weekend mid-day/PM headways on Gold Line will align with other rail lines.
- > The budget reflects negotiated wage and salary provisions for represented employees. The wage increase by these provisions is at least 3% for annual wage increases and an additional amount for step increases up to the maximum pay rate. In line with these negotiated wage rates, an average 3% merit increase is also included for non-represented employees.
- > Health and welfare rates include an annualized average increase of approximately 10% for represented employees and 5% for non-represented employees.
- > Capital program assumptions include expansion of Measure R transit and highway activities, increased emphasis on safety and security projects and enhanced bus and rail vehicle midlife maintenance projects.

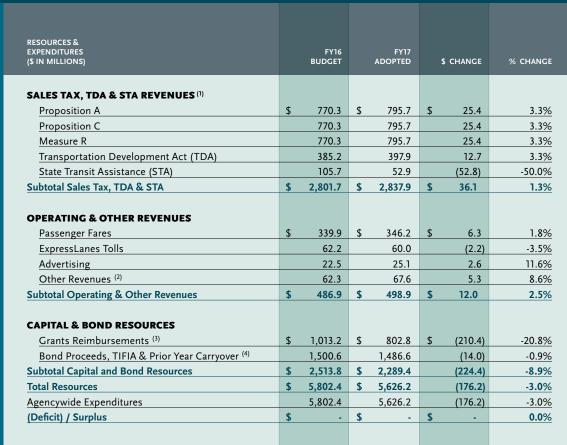
EXPENDITURES BY DEPARTMENT (\$ IN MILLIONS)	FY16 BUDGET	FY17 ADOPTED	\$ CHANGE
Board of Directors	\$ 43.4	\$ 41.2	\$ (2.2)
Chief Executive Office	233.2	226.2	(7.0)
Communications	60.5	59.0	(1.5)
Congestion Reduction	110.1	114.8	4.7
Finance & Budget	1,149.6	1,153.3	3.8
Information Technology	56.4	62.6	6.2
Operations	1,727.5	1,621.0	(106.5)
Planning & Development	302.4	304.3	1.9
Program Management	2,047.2	1,976.2	(71.0)
Vendor/Contract Management	72.2	67.6	(4.6)
Total Expenditures	\$ 5,802.4	\$ 5,626.2	\$ (176.2)

FTE SUMMARY BY DEPARTMENT	FY16 BUDGET	FY17 ADOPTED	CHANGE
Board of Directors	38	38	
Chief Executive Office	455	532	77
Communications	284	285	1
Congestion Reduction	20	20	
Finance & Budget	234	234	
Information Technology	143	143	
Operations	7,855	7,807	(48)
Planning & Development	163	163	
Program Management	234	234	
Vendor/Contract Management	320	320	
Subtotal Agencywide Non-Represented	1,483	1,483	
Subtotal Agencywide Represented	8,263	8,293	30
Total FTEs	9,746	9,776	30
IOLAIT I LS	3,740	2,770	30

Budget Details



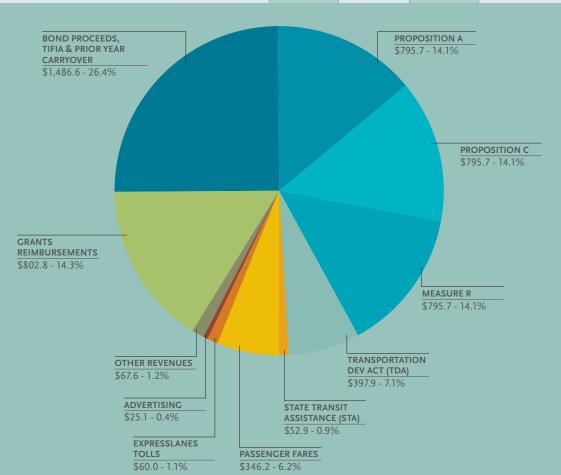
Summary of Resources, **Expenses & Resulting** Surplus (Deficit)



Total FY17 Resources: \$ 5,626.2 (\$ in Millions)

- (1) Sales tax and TDA revenues for FY16 Budget represent reforecasted levels based on 2nd quarter actual data from the State Board of Equalization (SBE).
- (2) Includes bike program revenues, park and ride revenues, lease revenues, vending revenues, film revenues, county buy down, auto registration fees, transit court fees, CNG credits, investment income and other miscellaneous revenues.
- (3) Includes grant reimbursement of preventative maintenance, operating capital, highway capital and construction costs.
- (4) Represents use of bond proceeds, TIFIA (Transportation Infrastructure Finance and Innovation Act) drawdowns and sales tax revenue received and unspent in prior years.

Totals may not add due to rounding.



REVENUES (\$ IN MILLIONS)		FY16 BUDGET ⁽¹⁾		FY17 ADOPTED		\$ CHANGE	% C	CHANGE	ELIGIBLE FOR OPERATIONS
PROPOSITION A									
5% Administration	\$	38.5	\$	39.8	\$	1.3		3.3%	
25% Local Return		182.9	Ť	189.0		6.0		3.3%	
35% Rail Development		256.1		264.6		8.4		3.3%	
40% Discretionary									<u> </u>
Transit (95% of 40%)		278.1		287.2		9.2		3.3%	
Incentive (5% of 40%)		14.6		15.1		0.5		3.3%	
Estimated Tax Revenue from Prop A	\$	770.3	\$	795.7	\$	25.4		3.3%	
Estimated Tax Revenue Hom Prop A	-D	770.5	-D	793.7	Ф	23.4		3.3/0	
PROPOSITION C									
1.5% Administration	\$	11.6	\$	11.9	\$	0.4		3.3%	
5% Rail/Bus Security		37.9		39.2		1.3		3.3%	√
10% Commuter Rail		75.9		78.4		2.5		3.3%	
20% Local Return		151.7		156.8		5.0		3.3%	
25% Freeways/Highways		189.7		195.9		6.3		3.3%	
40% Discretionary		303.5		313.5		10.0		3.3%	
Estimated Tax Revenue from Prop C	\$	770.3	\$	795.7	\$	25.4		3.3%	<u> </u>
	Ť		Ť		Ť			21270	
MEASURE R									
1.5% Administration	\$	11.6	\$	11.9	\$	0.4		3.3%	
2% Transportation Capital Metro Rail		15.2		15.7		0.5		3.3%	
3% Transportation Capital Metrolink		22.8		23.5		0.8		3.3%	
5% Operations - New Rail (2)		37.9		39.2		1.3		3.3%	1
15% Local Return		113.8		117.6		3.8		3.3%	
20% Operations - Bus		151.7		156.8		5.0		3.3%	
20% Highway Capital		151.7		156.8		5.0		3.3%	
35% Transportation Capital New Rail/BRT		265.6		274.3		8.8		3.3%	
Estimated Tax Revenue from Measure R	\$	770.3	\$	795.7	\$	25.4		3.3%	
TRANSPORTATION DEVELOPMENT ACT									
Administration	\$	8.5	\$	8.5	\$	_		0.0%	
2.0% Article 3 (Pedestrians & Bikeways)	Ψ_	7.5	Ψ	7.8	Ψ	0.3		3.4%	
91.7% Article 4 (Bus Transit)		345.2		356.9		11.7		3.4%	
6.3% Article 8 (Transit/Streets & Highways)		23.9		24.7		0.8		3.4%	
Estimated Tax Revenue from TDA	\$	385.2	\$	397.9	\$	12.8		3.3%	
Estimated Tax Nevertae Holli 1971		303.2	-	337.3	<u> </u>	12.0		3.370	
STATE TRANSIT ASSISTANCE									
STA Bus	\$	54.9	\$	24.6	\$	(30.3)	-	55.2%	<u>✓</u>
STA Rail		50.8		28.3		(22.5)	-	44.4%	✓
Estimated Tax Revenue from STA	\$	105.7	\$	52.9	\$	(52.8)	-	50.0%	
Total Sales Tax, TDA and STA Revenues	\$	2,801.7	\$	2,837.9	\$	36.1		1.3%	
REVENUES ELIGIBLE FOR BUS & RAIL OPERATIONS				FY16		FY17			
(\$ IN MILLIONS)				BUDGET (1)		ADOPTED	\$ C	HANGE	% CHANGE
Proposition A			\$	534.2	\$	551.8	\$	17.6	3.3%
Proposition C				341.4		352.7		11.3	3.3%
Measure R				189.7		195.9		6.3	3.3%
TDA				345.2		356.9		11.7	3.4%
STA				105.7		52.9		(52.8)	-50.0%
Total Revenues Eligible for Bus & Rail Operati	ons		\$	1,516.2	\$	1,510.2	\$	(6.0)	-0.4%

Sales Tax, TDA & **STA Revenues**

Notes

- (1) Sales tax and TDA revenues for FY16 Budget represent reforecasted levels based on FY16 2nd Quarter actual data from the State Board of Equalization (SBE).
- (2) Measure R Rail 5% Operating funding is restricted to projects beginning rail operations after Measure R passage.

32 Expenditures

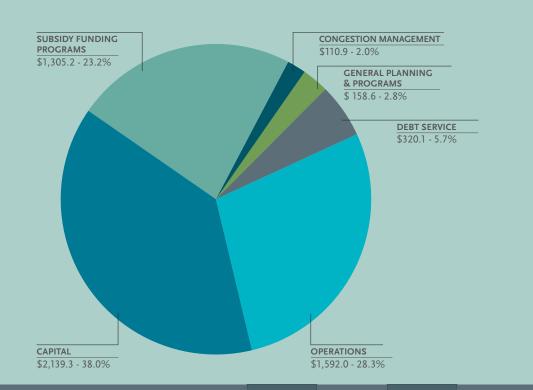
Summary of Expenditures by Program

(\$ IN MILLIONS)		FY16 BUDGET ⁽³⁾		FY17 ADOPTED		\$ CHANGE	% CHANGE
METRO OPERATIONS							
Bus	\$	1,056.6	\$	1,118.2	\$	61.6	5.8%
Rail		425.2	Ė	455.6		30.4	7.2%
Subtotal	\$	1,481.8	\$	1,573.9	\$	92.0	6.2%
Regional Activities & Other		18.5		18.2		(0.4)	-2.0%
Total Metro Operations	\$	1,500.4	\$	1,592.0	\$	91.7	6.1%
METRO CAPITAL							
Transit Capital Expansion	\$	1,533.9	\$	1,680.8	\$	146.8	9.6%
Operating Capital		539.4		336.7		(202.7)	-37.6%
Subtotal	\$	2,073.4	\$	2,017.5	\$	(55.9)	-2.7%
Regional Rail Capital		46.2		37.6		(8.6)	-18.6%
Highway Capital		194.8		84.2		(110.6)	-56.8%
Total Metro Capital	\$	2,314.4	\$	2,139.3	\$	(175.0)	-7.6%
Total Metro Operations & Capital	\$	3,814.7	\$	3,731.3	\$	(83.4)	-2.2%
SUBSIDY FUNDING PROGRAMS Regional Transit (2)	\$	537.6	\$	531.3	\$	(6.2)	1 20/
	•	584.6	2	598.6	Þ	(6.3) 14.0	-1.2% 2.4%
Local Agencies Wilshire BRT		16.1		9.9		(6.1)	-38.1%
Federal Pass Throughs		27.9		37.1		9.2	33.0%
Fare Assistance		10.5		10.5		7.2	0.0%
Highway Subsidy		202.2		117.7		(84.5)	-41.8%
Total Subsidy Funding Programs	\$	1,379.0	\$	1,305.2	\$	(73.8)	-5.3%
Total Subsidy Fulluling Frograms	Ψ.	1,373.0	4	1,303.2	Ψ	(73.8)	-3.3/0
CONGESTION MANAGEMENT							
Freeway Service Patrol	\$	28.3	\$	30.1	\$	1.8	6.4%
ExpressLanes		48.0		52.4		4.3	9.0%
Kenneth Hahn Call Box Program		10.3		12.9		2.6	25.2%
Regional Integration of Intelligent Transportation System		2.2		6.0		3.8	173.8%
Rideshare Services		10.4		9.5		(0.9)	-8.6%
Total Congestion Management	\$	99.3	\$	110.9	\$	11.6	11.7%
GENERAL PLANNING & PROGRAMS							
Programs & Studies	\$	41.6	\$	32.5	\$	(9.1)	-21.8%
General Planning & Programming		60.4		44.1		(16.3)	-27.0%
Legal, Audit, Transit Court, Oversight & Other		38.8		42.2		3.4	8.8%
Property Management/		40.0		20.0		(0.7)	0.007
Union Station & Development		40.0		39.9	-	(0.1)	-0.2%
Total General Planning & Programs	\$	180.7	\$	158.6	\$	(22.1)	<u>-12.2%</u>
Total Debt Service	\$	328.7	\$	320.1	\$	(8.6)	-2.6%
Total Expenditures by Program	\$	5,802.4	\$	5,626.2	\$	(176.2)	-3.0%

Notes

- (1) Combines related program costs regardless of Generally Accepted Accounting Principles (GAAP) reporting criteria used for fund financial statements on pages 34-35 and 44-45.
- (2) Represents subsidies to Municipal Operators, Metrolink and Access Services.
- (3) FY16 budget represents all amendments that occurred after budget adoption in May 2015.

Totals may not add due to rounding.



Total FY17 Summary of

Expenditures by Program: \$5,626.2 (\$ in Millions)

EXPENDITURES BY DEPARTMENT (\$ IN MILLIONS)	FY16 BUDGET	FY17 ADOPTED	\$ CHANGE	% CHANGE
0 1 (0)	* 42.4	. 47.0	* (2.2)	5.0 0/
Board of Directors	\$ 43.4	\$ 41.2	\$ (2.2)	-5.0%
Chief Executive Office	233.2	226.2	(7.0)	-3.0%
Communications	60.5	59.0	(1.5)	-2.5%
Congestion Reduction	110.1	114.8	4.7	4.2%
Finance & Budget	1,149.6	1,153.3	3.8	0.3%
Information Technology	56.4	62.6	6.2	11.0%
Operations	1,727.5	1,621.0	(106.5)	-6.2%
Planning & Development	302.4	304.3	1.9	0.6%
Program Management	2,047.2	1,976.2	(71.0)	-3.5%
Vendor/Contract Management	72.2	67.6	(4.6)	-6.3%
Total Expenditures by Department	\$ 5,802.4	\$ 5,626.2	\$ (176.2)	-3.0%

EXPENDITURES BY TYPE (\$ IN MILLIONS)	FY16 BUDGET	FY17 ADOPTED	\$ CHANGE	% CHANGE
Salaries & Benefits	\$ 1,091.7	\$ 1,140.8	\$ 49.1	4.5%
Asset Acquisitions for Transit & Highway Projects	1,718.5	1,570.6	(147.9)	-8.6%
Professional Services & Advertising	534.6	492.2	(42.4)	-7.9%
Regional Transit / Highway Subsidies	1,379.0	1,305.2	(73.8)	-5.3%
Maintenance & Security Contracts	379.0	409.5	30.5	8.1%
Materials & Supplies	229.8	247.6	17.8	7.7%
Insurance / Taxes / PL/PD / Workers' Comp	114.4	120.1	5.7	4.9%
Training & Travel	5.1	6.1	1.0	20.3%
As-Needed / Interns / ELTPs	15.4	13.9	(1.5)	-9.7%
Debt	334.8	320.1	(14.7)	-4.4%
Total Expenditures by Type	\$ 5,802.4	\$ 5,626.2	\$ (176.2)	-3.0%

Summary of Expenditures by Type

Vote

Enterprise Fund: Bus & Rail Operations

Summary of Resources, Expenses & Resulting (Deficit) / Surplus

Notes

- (1) Other Revenues include interest income, parking charges, vending revenues, county buy down, transit court and other miscellaneous revenues.
- (2) Includes funding from Sales Tax, General Fund, State Repayment of Capital Project Loans, local muni participation, and State Proposition 1B cash funds.
- (3) Year-to-year changes in overhead distribution reflect changes in overhead allocation approved by federal funding partners.
- (4) Other Expenses includes utilities, credits, taxes, advertisement, settlement, travel expenses and training, seminars and periodicals.
- (5) Capital expenses for operations and construction project planning are combined for reporting purposes.

Totals may not add due to rounding.

Enterprise Fund: Other Operations

FY17 ADOPTED
RESOURCES & EXPENSES FY16 TRANSIT REGIONAL (\$ IN MILLIONS) BUDGET TOTAL BUS RAIL COURT ACTIVITIES
TRANSIT OPERATIONS RESOURCES
TRANSIT FARES & OTHER REVENUES
Fares \$ 339.9 \$ 346.2 \$ 252.9 \$ 93.3 \$ - \$ -
Advertising 22.5 25.1 21.6 3.4
Other Revenues (1) 5.3 9.3 7.9 - 1.4 -
Total Fare & Other Revenues \$ 367.7 \$ 380.6 \$ 282.4 \$ 96.7 \$ 1.4 \$ -
FEDERAL & STATE GRANTS
Federal Preventive Maintenance \$ 195.7 \$ 220.3 \$ 133.8 \$ 86.5 \$ - \$ -
Federal CMAQ 9.5 41.2 - 41.2
Federal & State Grants 22.9 23.0 - 20.9 - 2.1
Total Federal & State Grants \$ 228.1 \$ 284.4 \$ 133.8 \$ 148.5 \$ - \$ 2.1
LOCAL SUBSIDIES
Prop A - (40% Bus) & (35% Rail) \$ 483.6 \$ 275.9 \$ 158.5 \$ 117.3 \$ - \$ -
Prop C - (40% Bus/Rail) & 485.6 \$ 275.9 \$ 158.5 \$ 117.5 \$ - \$ -
(5% Security) 66.4 248.6 235.1 13.5
Measure R - (20% Bus) & (5% Rail) 180.8 170.6 110.2 60.4
TDA Article 4 72.7 156.6 152.5 4.1
STA 92.7 50.0 21.7 28.3
Toll Revenue Grant 4.4 3.8 3.8
General Fund & Other Funds 19.1 29.0 24.7 4.3
Total Local Subsidies \$ 919.7 \$ 934.4 \$ 706.5 \$ 210.4 \$ - \$ 17.6
Total Transit Operations Resources \$ 1,515.5 \$ 1,599.5 \$ 1,122.7 \$ 455.6 \$ 1.4 \$ 19.7
Federal, State & Local Grants \$ 664.6 \$ 465.0 \$ 41.6 \$ 423.4 \$ - \$ -
Federal, State & Local Grants \$ 664.6 \$ 465.0 \$ 41.6 \$ 423.4 \$ - \$ - Local & State Sales Tax (2) 558.2 451.0 123.5 327.5 - -
Federal, State & Local Grants \$ 664.6 \$ 465.0 \$ 41.6 \$ 423.4 \$ - \$ - Local & State Sales Tax (2) 558.2 451.0 123.5 327.5 - - Other Capital Financing 851.0 1,101.5 13.0 1,088.5 - -
Local & State Sales Tax (2) 558.2 451.0 123.5 327.5 - - Other Capital Financing 851.0 1,101.5 13.0 1,088.5 - - Total Transit Capital Resources \$ 2,073.8 \$ 2,017.5 \$ 178.1 \$ 1,839.4 \$ - \$ -
Federal, State & Local Grants \$ 664.6 \$ 465.0 \$ 41.6 \$ 423.4 \$ - \$ - Local & State Sales Tax (2) 558.2 451.0 123.5 327.5 Other Capital Financing 851.0 1,101.5 13.0 1,088.5 Total Transit Capital Resources \$ 2,073.8 \$ 2,017.5 \$ 178.1 \$ 1,839.4 \$ - Total Transit Operations &
Federal, State & Local Grants \$ 664.6 \$ 465.0 \$ 41.6 \$ 423.4 \$ - \$ - Local & State Sales Tax (2) 558.2 451.0 123.5 327.5 - - Other Capital Financing 851.0 1,101.5 13.0 1,088.5 - - Total Transit Capital Resources \$ 2,073.8 \$ 2,017.5 \$ 178.1 \$ 1,839.4 \$ - \$ -
Federal, State & Local Grants \$ 664.6 \$ 465.0 \$ 41.6 \$ 423.4 \$ - \$ - Local & State Sales Tax (2) 558.2 451.0 123.5 327.5 Other Capital Financing 851.0 1,101.5 13.0 1,088.5 Total Transit Capital Resources \$ 2,073.8 \$ 2,017.5 \$ 178.1 \$ 1,839.4 \$ - Total Transit Operations &
Federal, State & Local Grants \$ 664.6 \$ 465.0 \$ 41.6 \$ 423.4 \$ - \$ - Local & State Sales Tax (2) 558.2 451.0 123.5 327.5 Other Capital Financing 851.0 1,101.5 13.0 1,088.5 Total Transit Capital Resources \$ 2,073.8 \$ 2,017.5 \$ 178.1 \$ 1,839.4 \$ - Total Transit Operations &
Federal, State & Local Grants \$ 664.6 \$ 465.0 \$ 41.6 \$ 423.4 \$ - \$ - Local & State Sales Tax (2) Local & State Sales Tax (2) 558.2 451.0 123.5 327.5 Local & State Sales Tax (2) Other Capital Financing 851.0 1,101.5 13.0 1,088.5 Local Tax (2) Total Transit Capital Resources \$ 2,073.8 \$ 2,017.5 \$ 178.1 \$ 1,839.4 \$ - \$ - Local Tax (2) Total Transit Operations & Capital Resources \$ 3,589.3 \$ 3,617.0 \$ 1,300.8 \$ 2,295.0 \$ 1.4 \$ 19.7
Federal, State & Local Grants \$ 664.6 \$ 465.0 \$ 41.6 \$ 423.4 \$ - \$ - Local & State Sales Tax (2) Local & State Sales Tax (2) 558.2 451.0 123.5 327.5 Local & State Sales Tax (2) Other Capital Financing 851.0 1,101.5 13.0 1,088.5 Local & State Sales Tax (2) Total Transit Capital Resources \$ 2,073.8 \$ 2,017.5 \$ 178.1 \$ 1,839.4 \$ - \$ - State Sales Tax (2) Total Transit Operations & Capital Resources \$ 3,589.3 \$ 3,617.0 \$ 1,300.8 \$ 2,295.0 \$ 1.4 \$ 19.7 TRANSIT OPERATIONS EXPENSES
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							FY17	ADOPTED			
RESOURCES & EXPENSES (\$ IN MILLIONS)	1	FY16 BUDGET		TOTAL		UNION STATION	1	EXPRESS LANES		BIKE SHARE	PARK & RIDE
OTHER TRANSIT OPERATIONS RESOURCES											
TOLL FARES & OTHER REVENUES											
Tolls & Violation Fines	\$	62.2	\$	60.0	\$	-	\$	60.0	\$	-	\$
Rental & Lease Income		0.8		4.9		1.1		-		2.7	1.1
Total Toll Fares & Other Revenue	\$	62.9	\$	64.9	\$	1.1	\$	60.0	\$	2.7	\$ 1.1
LOCAL SUBSIDIES											
Prop A & C	\$	0.7	\$	0.3	\$	-	\$	-	\$	-	\$ 0.3
General Fund & Other		2.6		5.3		-		-		1.8	3.4
Total Local Subsidies	\$	3.3	\$	5.5	\$	-	\$	-	\$	1.8	\$ 3.7
Total Other Transit Operations Resources	\$	66.2	\$	70.4	\$	1.1	\$	60.0	\$	4.5	\$ 4.8
TRANSIT OTHER OPERATIONS EXPENSES									_		
Labor & Benefits	\$	2.7	\$	3.9	\$	0.5	\$	2.1	\$	0.5	\$ 0.8
Materials & Supplies		0.1		0.2		-		-			0.2
Contract & Professional Services		44.1		56.5		0.2		49.6		3.6	3.1
PL/PD & Other Insurance		0.2		0.2		0.2		-			
Allocated Overhead		0.9		1.3		0.2		0.6		0.2	0.3
Other Expenses		5.9	_	0.3	_	-	_		_	-	0.3
Total Other Transit Operations Expenses	\$	54.0	\$	62.4	\$	1.1	\$	52.4	\$	4.2	\$ 4.6
OTHER OPERATIONS NON OPERATING EXPENSES											
Congestion Relief Reserve	\$	0.1	\$	-	\$	-	\$	-	\$	-	\$
Congestion Relief Transit Operating Subsidy		6.2		6.6		_		6.6		-	<u>-</u>
Congestion Relief Toll Revenue Grant Program ⁽¹⁾		6.6		7.0				7.0			
Total Other Operations Non Operating Expenses	\$	12.9	\$	13.6	\$		\$	13.6	\$		\$ <u> </u>
Transit Other Operations (Deficit)/Surplus (2)	\$	(0.7)	\$	(5.6)	\$		\$	(6.0)	\$	0.3	\$ 0.2

Summary of Resources, Expenses & Resulting (Deficit) / Surplus

Notes

- (1) Net Tolls are designated for the Metro ExpressLanes Net Toll Revenue Reinvestment Program.
- (2) Current year deficit is funded with equity earned from prior years.

37

36 Capital Program

Capital Projects

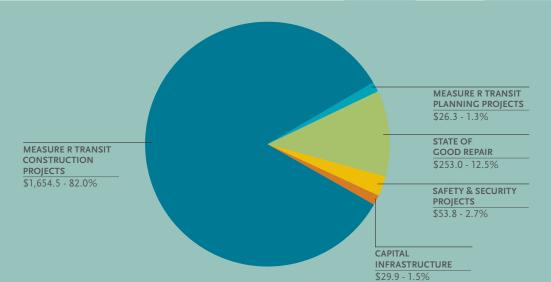
CAPITAL PROJECT CATEGORY \$ IN THOUSANDS)	FORECASTED EXPENDITURES THRU FY16	FY17 ADOPTED	LIFE OF PROJECT
MEASURE R TRANSIT CAPITAL EXPANSION			
TRANSIT CONSTRUCTION PROJECTS			
Bus			
Acquisition 30 Zero Emission/Super Low Emission	\$ 4,510	\$ 6,663	\$ 30,000
<u>Rail</u>			
Crenshaw/LAX Light Rail Transit	1,079,385	388,282	2,223,734
Expo Blvd Light Rail Transit Phase 1	969,033	11,352	978,900
Expo Blvd Light Rail Transit Phase 2	1,168,878	145,394	1,517,642
Gold Line Foothill Extension to Azusa	885,683	15,059	950,619
Regional Connector	671,217	234,991	1,599,044
Westside Purple Line Subway Extension	1,043,938	852,480	3,500,856
Bike			
Expo Phase 2 Bikeway	15,836	266	16,102
Subtotal Transit Construction Projects	\$ 5,838,480	\$ 1,654,487	\$10,816,898
TRANSIT PLANNING PROJECTS			
Airport Metro Connector (1)	\$ 13,922	\$ 10,784	\$ 24,706
Eastside Extension Phase 1 & 2 (1)	23,576	3,242	26,818
Eastside Light Rail Access (1)	16,164	5,295	21,459
Gold Line Foothill Extension (2)	_	-	
Green Line Ext: Redondo to South Bay (1)	6,329	692	7,022
San Fernando Valley East N/S Rapidways (1)	10,562	1,362	11,924
Sepulveda Pass Corridor (1)	6,194	3,332	9,527
West Santa Ana Branch Corridor (1) (3)	3,872		5,442
		1,569 \$ 26,277	
Subtotal Transit Planning Projects	\$ 80,621	\$ 26,277	\$ 106,897
Total Measure R Transit Capital Expansion	\$ 5,919,101	\$ 1,680,764	\$10,923,795
OPERATING CAPITAL			
SAFETY & SECURITY			
Bus	\$ 25	\$ 112	\$ 5,038
Rail			
Blue Line	99,706	19,309	184,075
Green Line	6,489	770	7,800
Red/Purple Line	38,120	7,356	54,784
Multiple Rail Lines	17,974	1,503	20,594
Mixed Mode	34,046	12,203	67,054
Other (Technologies, Regional, etc.)	10,897	12,536	50,931
Subtotal Safety & Security	\$ 207,258	\$ 53,789	\$ 390,275
CTATE OF COOR REPAIR		,	,
STATE OF GOOD REPAIR	\$ 601,137	\$ 96,980	\$ 1,153,358
Bus	\$ 601,137	\$ 96,980	\$ 1,155,558
Rail	70.000	35.063	110.10
Blue Line	70,636	15,961	112,194
Gold Line	2,278	4,316	25,507
Green Line	2,229	2,274	37,051
Red Line	65,400	31,513	275,155
Multiple Rail Lines	117,112	60,616	875,794
Mixed Mode	12,320	19,748	35,797
Other (Technologies, Regional, etc.)	175,556	21,626	249,347
Subtotal State of Good Repair	\$ 1,046,669	\$ 253,035	\$ 2,764,202

Notes

- (1) No Board Adopted Life of Project (LOP) during planning phase; project is funded on an
- (2) FY17 budget of \$8M is captured in subsidies.
- (3) Total FY17 budget is \$1,799K; \$230K is captured in subsidies.

Totals may not add due to rounding.





MODE (\$ IN THOUSANDS)	SAFETY & SECURITY	STATE OF GOOD REPAIR	CAPITAL INFRASTRUCTURE	MODE TOTAL
Bus	\$ 112	\$ 96,980	\$ 4,056	\$ 101,148
Rail			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Blue Line	19,309	15,961	-	35,270
Gold Line	-	4,316	1,761	6,077
Green Line	770	2,274	-	3,044
Red/Purple Line	7,356	31,513	1,343	40,212
Multiple Rail Lines	1,503	60,616	993	63,112
Mixed Mode	12,203	19,748	12,817	44,768
Bike	-	-	6,489	6,489
Other (Technologies, Regional, etc.)	12,536	21,626	2,452	36,615
Total Operating Capital	\$ 53,789	\$ 253,035	\$ 29,912	\$ 336,735

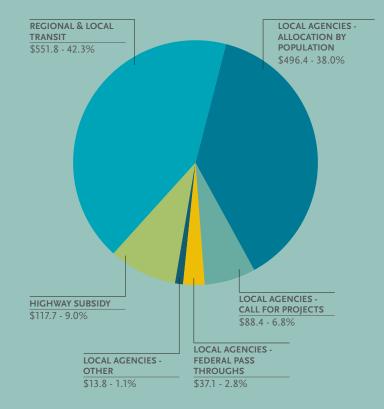
FY17 Capital Projects: \$2,017.5 (\$ in Millions)

FY17 Operating Capital Summary by Mode

Note

REGIONAL SUBSIDY FUNDING PROGRAMS (\$ IN MILLIONS)	FY16 BUDGET	FY17 ADOPTED	\$ CHANGE	% CHANGE
REGIONAL & LOCAL TRANSIT				
Municipal & Local Operators	\$ 353.6	\$ 355.4	\$ 1.7	0.5%
Access Services	85.0	74.0	(11.0)	-12.9%
Metrolink	99.0	102.0	3.0	3.0%
Wilshire Bus Rapid Transit	16.1	9.9	(6.1)	-38.1%
Fare Assistance Programs (INTP, RRTP, SHORE) (1)	10.5	10.5	-	0.0%
Total Regional & Local Transit	\$ 564.2	\$ 551.8	\$ (12.4)	-2.2%
LOCAL AGENCIES ALLOCATION BY POPULATION				
Local Return (Prop A, Prop C & Measure R)	\$ 444.5	\$ 463.3	\$ 18.7	4.2%
TDA Articles 3 & 8	31.5	33.1	1.6	5.2%
Subtotal Allocation by Population	\$ 476.0	\$ 496.4	\$ 20.4	4.3%
CALL FOR PROJECTS				
Regional Surface Transportation Improvements	\$ 61.5	\$ 59.4	\$ (2.1)	-3.4%
Local Traffic Systems	14.2	18.2	4.0	28.1%
Regional Bikeways	1.3	0.5	(0.8)	-62.2%
Transportation Demand Management	5.7	3.9	(1.8)	-32.0%
Transportation Enhancements	0.1	0.3	0.2	137.5%
Bus Capital	6.8	6.1	(0.7)	-9.9%
Subtotal Call for Projects	\$ 89.6	\$ 88.4	\$ (1.3)	-1.4%
FEDERAL PASS THROUGHS				
Regional Grantee - FTA	\$ 12.7	\$ 16.2	\$ 3.5	28.0%
Job Access & Reverse Commute Program (JARC)	6.1	7.9	1.8	28.5%
New Freedom Capital & Operating	3.9	2.9	(1.0)	-24.7%
Highway Pass Through Program	0.2	-	(0.2)	-100.0%
Enhanced Mobility of Seniors/Disabled	5.0	10.1	5.1	101.8%
Subtotal Federal Pass Throughs	\$ 27.9	\$ 37.1	\$ 9.2	33.0%
OTHER				
Toll Revenue Reinvestment Program	\$ 10.6	\$ 7.0	\$ (3.6)	-33.7%
Open Street Grant Program	2.2	0.5	(1.7)	-77.3%
Transit Oriented Development & Other				
Sustainability Programs	5.5	5.9	0.4	6.8%
Demo Projects-Highway	0.7	0.4	(0.3)	-40.0%
Subtotal Other	\$ 19.0	\$ 13.8	\$ (5.1)	<u>-27.1%</u>
Total Local Agencies	\$ 612.6	\$ 635.7	\$ 23.2	3.8%





FY17 Regional Subsidy Funding Program: \$1,305.2 (\$ in Millions)

Notes

(1) Fare Assistance Programs include Immediate Needs Transportation Program (INTP), Rider Relief Transportation Program (RRTP) & Support for Homeless Re-Entry Program (SHORE).

Totals may not add due to rounding.

Note

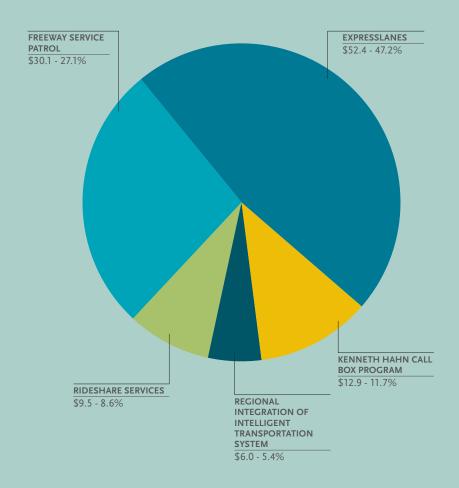
General Planning & Programs

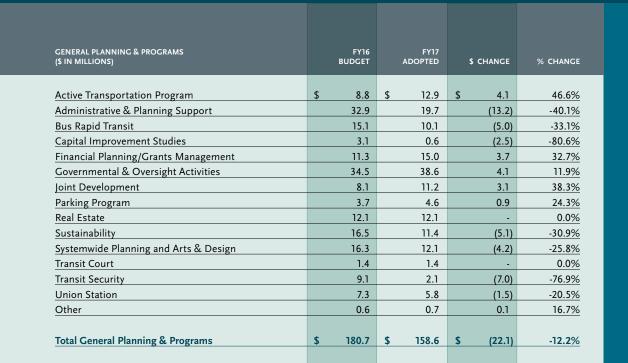
Metro's Congestion Management programs are designed to tackle the ever present issue of traffic congestion in the region, whether by assisting broken down vehicles, clearing traffic accidents, promoting ridesharing or providing toll-based alternatives to waiting in traffic. Metro also sponsors the Regional Integration of Intelligent Transportation Systems (RIITS), a real-time traffic data monitoring network used by emergency services, transit agencies and third-party users throughout Southern California.

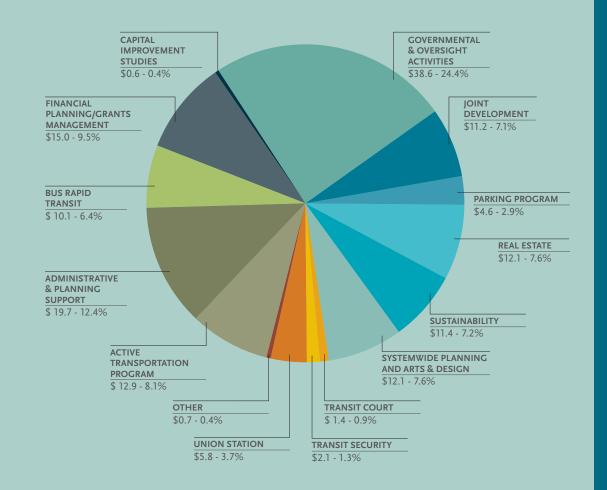
Each of these measures contributes to decreasing traffic congestion, which in turn improves air quality in Los Angeles County.

CONGESTION MANAGEMENT (\$ IN MILLIONS)	E	FY16 BUDGET	FY17 ADOPTED	\$ CHANGE	% CHANGE
Freeway Service Patrol	\$	28.3	\$ 30.1	\$ 1.8	6.4%
ExpressLanes		48.0	 52.4	 4.3	9.0%
Kenneth Hahn Call Box Program		10.3	12.9	2.6	25.2%
Regional Integration of Intelligent					
Transportation System		2.2	6.0	3.8	173.8%
Rideshare Services		10.4	9.5	(0.9)	-8.6%
Total Congestion Management	\$	99.3	\$ 110.9	\$ 11.6	11.7%

FY17 Congestion Management Budget: \$110.9 (\$ in Millions)







FY17 General Planning & Programs Budget: \$158.6 (\$ in Millions)

Note

Totals may not add due to rounding.

Note

Current Year Debt Service Expenses

		FY16 B	UDG	ET			FY17 AD	ОРТ	ED	
FUNDING DEMAND OF DEBT SERVICE (\$ IN THOUSANDS)	BUS	RAIL		HIGHWAY	TOTAL	BUS	RAIL		HIGHWAY	TOTAL
RESOURCES										
Proposition A 35% Rail Set Aside (1)	\$ -	\$ 143,296	\$	-	\$ 143,296	\$ -	\$ 139,036	\$	-	\$ 139,036
Proposition A 40% Discretionary	1,913			-	1,913	1,853			-	1,853
Proposition C 40% Discretionary	9,881	62,874		-	72,755	5,042	67,356		-	72,398
Proposition C 10% Commuter Rail	-	13,504		-	13,504	-	13,533		-	13,533
Proposition C 25% Street & Highways	-	27,022		28,098	55,120	-	27,651		28,173	55,823
Trans Development Act Article 4	1,534	-		-	1,534	1,544	-		-	1,544
Measure R Transit Capital - New Rail 35%	-	43,898		-	43,898	-	46,474		-	46,474
Measure R Transit Capital - Metrolink 3%	-	-		-	-	-	-		-	<u>-</u>
Measure R Transit Capital - Metro Rail 2%	-	7,163		-	7,163	-	2,902		-	2,902
Measure R Highway Capital 20%	-	-		-	-	-	-		-	<u>-</u>
Measure R BAB Federal Subsidy	-	10,302		-	10,302	-	10,357		-	10,357
Proposition A 35% Rail Set Aside (CRA Debt)	2,179	-		-	2,179	2,184	-		-	2,184
Total Funding Demand Debt Service	\$ 15,508	\$ 308,059	\$	28,098	\$ 351,665	\$ 10,624	\$ 307,308	\$	28,173	\$ 346,104
(Premium)/Discount Amortization (2)	(1,011)	(20,086)		(1,832)	(22,929)	(798)	(23,074)		(2,115)	(25,988)
Total Debt Service Expense	\$ 14,497	\$ 287,973	\$	26,266	\$ 328,736	\$ 9,826	\$ 284,234	\$	26,057	\$ 320,117
Debt Service (Deficit) / Surplus	\$ -	\$ -	\$	-	\$	\$ _	\$ -	\$	-	\$

Long-Term Enterprise Fund Debt Principal Obligations

		BEGINNING F	Y16 BALANCE			BEGINNING F	FY17 BALANCE		
OUTSTANDING DEBT PRINCIPAL BALANCE (\$ IN THOUSANDS)	BUS	RAIL	HIGHWAY	TOTAL	BUS	RAIL	HIGHWAY	TOTAL	
Proposition A	\$ 14,768	\$ 1,106,032	\$ -	\$ 1,120,800	\$ 14,598	\$ 1,095,572	\$ -	\$ 1,110,170	
Proposition C	87,740	915,000	250,685	1,253,424	85,728	900,580	244,642	1,230,950	
Measure R (3)	-	869,420	-	869,420	-	1,570,122	-	1,570,122	
Transportation Development Act - Article 4	3,758	-	-	3,758	2,350	-	-	2,350	
Proposition A 35% Rail Set Aside (CRA Debt)	19,360	-	-	19,360	18,145	-	-	18,145	
Total Outstanding Debt Principal Balance (4)	\$ 125,626	\$ 2,890,452	\$ 250,685	\$ 3,266,762	\$ 120,821	\$ 3,566,274	\$ 244,642	\$ 3,931,736	

Notes

- (1) Proposition A 35% Rail Set Aside includes Union Station Purchase debt funding: \$4.3M in FY16 and \$3.7M in FY17.

 (3) Measure R Bond was issued in November 2010. Also included ar \$300M Measure R revolving credit
- (2) Amortizing the difference between the market value of the debt instrument
- and the face value of the debt instrument over the life of the debt.
- (3) Measure R Bond was issued in November 2010. Also included are \$300M Measure R revolving credit and \$618M TIFIA (Transportation Infrastructure Finance and Innovation Act) loan draw down in FY16.
- (4) The Debt Service Expense and Outstanding Principal Balance excludes USG Building General Revenue Bonds of \$13.5M Debt Service and \$105.8M Outstanding Principal. It is treated as rent and reimbursed to the Enterprise Fund through the overhead allocation process. Also included \$618.1 million of planned federal

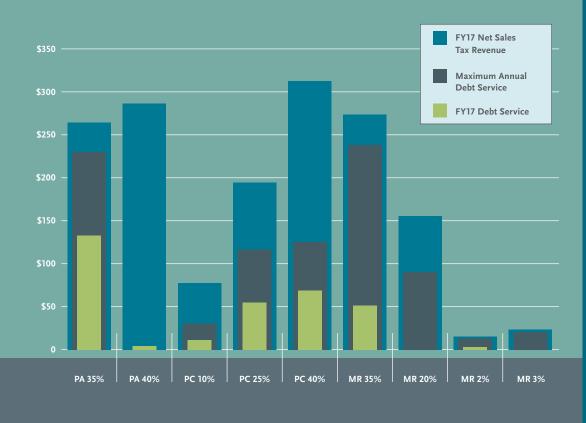
TIFIA loan drawdowns during FY16 to fund Crenshaw and Regional Connector Transit Construction.
Repayment of these loans will come from Measure R Transit Capital - New Rail 35% contingency fund and commence in FY21.

Totals may not add due to rounding.

FY17 Adopted Debt Policy: Maximum Permitted Debt Service

AX REVENUE SOURCE OR DEBT SERVICING S IN MILLIONS)	FY17 ALES TAX REVENUE	DEBT S	FY17 SERVICE	MAXIMUM ANNUAL SERVICE ⁽¹⁾	ΑĽ	MAXIMUM DDITIONAL DISSUANCE ALLOWED	% OF ALLOWABLE REVENUE USED	
PROPOSITION A (PA) (2)								
PA 35% ⁽³⁾	\$ 264.6	\$	132.0	\$ 230.2	\$	1,439.2	57.4%	
PA 40% ⁽⁴⁾	287.2		4.0	N/A		N/A	100.0%	
PROPOSITION C (PC) (2)								
PC 10% ⁽⁵⁾	78.4		10.9	31.4		299.4	34.9%	
PC 25% ⁽⁶⁾	195.9		54.8	117.6		919.9	46.6%	
PC 40% ⁽⁷⁾	313.5		69.1	125.4		825.3	55.1%	
MEASURE R (MR) ⁽⁸⁾ MR 35% ⁽⁹⁾	274.3		50.8	238.7		2,330.7	21.3%	
MR 20% ⁽¹⁰⁾	156.8		30.8	90.2		1,166.8	0.0%	
MR 2% (11)	15.7		2.9	13.6		133.4	21.2%	
MR 3% (12)	23.5			19.6		253.8	0.0%	

Maximum Permitted Debt Service (\$ in Millions)



Notes

- (1) Per Board approved debt policy.
- (2) Assumes amortization of debt at 4.5% over 30 years.
- (3) Debt policy limits annual debt service to 87% of PA 35% tax revenue.
- (4) No further debt issuance is permitted pursuant to the debt policy.
- (5) Debt policy limits annual debt service to 40% of PC 10% tax revenue.
- (6) Debt policy limits annual debt service to 60% of PC 25% tax revenue.
- (7) Debt policy limits annual debt service to 40% of PC 40% tax revenue.
- (8) Assumes amortization of debt at 4.5% over remaining life of Measure R sales tax.
- (9) Debt policy limits annual debt service to 87% of MR 35% tax revenue.
- (10) Debt policy limits annual debt service to 60% of MR 20% tax revenue.
- (11) Debt policy limits annual debt service to 87% of MR 2% tax revenue.
- (12) Debt policy limits annual debt service to 87% of MR 3% tax revenue.

Governmental Funds: Estimated Fund Balances for the Year Ending June 30, 2017

FUND TYPE (\$ IN MILLIONS)	ESTIMATED ENDING FUND BALANCE
PROPOSITION A	
Discretionary Transit (95% of 40%) (1)	\$ 3.3
Discretionary Incentive (5% of 40%)	14.1
Rail (35%) (2)	10.1
Interest	7.4
Total Proposition A	\$ 34.9
PROPOSITION C	
Discretionary (40%) (1)	\$ 102.0
Security (5%) (1)	21.4
Commuter Rail (10%) (2)	
Streets & Highway (25%)	76.4
Interest	20.0
Total Proposition C	\$ 219.8
MEASURE R	<u> </u>
Administration (1.5%)	\$ 25.1
Transit Capital - Metrolink (3%)	8.7
Transit Capital - Metro Rail (2%)	0.7
Transit Capital - New Rail (35%)	
Highway Capital (20%)	149.2
New Rail Operations (5%)	19.3
Bus Operations (20%) (1)	2.2
Total Measure R TRANSPORTATION DEVELOPMENT ACT (TDA)	\$ 204.6
Article 3 (1)	\$ 17.7
Article 4 (1)	93.0
Article 8 (1)	1.3
Total TDA	\$ 112.0
STATE TRANSIT ASSISTANCE (STA)	
Revenue Share (1)	\$ 2.9
Population Share	-
Total STA	\$ 2.9
Total PTMISEA (3)	\$ 82.4
Total SAFE Fund (2)	\$ 13.5
Total Other Special Revenue Funds (1)	\$ 43.6
GENERAL FUND	
Administration - Prop A, Prop C & TDA	\$ -
Mandatory Operating Reserve	127.8
General Fund / Other (2)	243.5
Total General Fund	\$ 371.3
Total of Estimated FY17 Ending Fund Balances	\$ 1,084.9

	SPECIAL REVE	NUE FUND (1)	GENERA	AL FUND	то	TAL
GOVERNMENTAL FUNDS (\$ IN MILLIONS)	FY16 BUDGET	FY17 ADOPTED	FY16 BUDGET	FY17 ADOPTED	FY16 BUDGET	FY17 ADOPTED
REVENUE						
Sales Tax (2)	\$ 2,809.2	\$ 2,845.3	\$ -	\$ -	\$ 2,809.2	\$ 2,845.3
Intergovernmental Grants (3)	105.1	54.3	49.3	49.4	154.4	103.8
Investment Income	0.1	0.1	4.1	1.1	4.2	1.2
Lease & Rental		-	14.2	15.2	14.2	15.2
Licenses & Fines	-	-	0.5	0.5	0.5	0.5
Federal Fuel Credits & Other	-	-	19.6	18.9	19.6	18.9
Total Revenues	\$ 2,914.4	\$ 2,899.7	\$ 87.7	\$ 85.1	\$ 3,002.1	\$ 2,984.8
EXPENDITURES						
Subsidies	\$ 1,309.8	\$ 1,239.0	\$ 48.3	\$ 52.2	\$ 1,358.1	\$ 1,291.1
Operating Expenditures	311.8	182.7	144.3	134.5	456.1	317.2
Debt & Interest Expenditures	-	-	0.9	0.9	0.9	0.9
Debt Principal Retirement	-	-	1.3	1.3	1.3	1.3
Total Expenditures	\$ 1,621.6	\$ 1,421.6	\$ 194.7	\$ 188.8	\$ 1,816.4	\$ 1,610.5
TRANSFERS						
Transfers In	\$ 21.5	\$ 31.5	\$ 96.5	\$ 90.4	\$ 118.0	\$ 122.0
Transfers (Out)	(1,938.8)	(1,750.8)	(54.9)	(126.8)	(1,993.8)	(1,877.5)
Proceeds from Financing	106.2	102.4	-	-	106.2	102.4
Total Transfers	\$ (1,811.1)	\$ (1,616.8)	\$ 41.5	\$ (36.3)	\$ (1,769.5)	\$ (1,653.1)
Net Change in Fund Balances	\$ (518.3)	\$ (138.7)	\$ (65.5)	\$ (140.0)	\$ (583.8)	\$ (278.7)
Fund Balances - beginning of year (4)	\$ 1,103.5	\$ 852.4	\$ 555.0	\$ 511.3	\$ 1,658.5	\$ 1,363.7
Fund Balances - End of Year	\$ 585.2	\$ 713.7	\$ 489.5	\$ 371.3	\$ 1,074.7	\$ 1,084.9

Governmental Funds: Statement of Revenues, **Expenditure & Changes** in Fund Balances for the Years Ending June 30, 2016 and 2017

Notes

- (1) Special Revenue Fund includes Measure R fund, which is presented separately on pages 48-49.
- (2) Includes TDA and STA, in addition to Prop A, Prop C and Measure R sales tax revenues.
- (3) Includes grant revenues from Federal, State and Local sources including tolls.
- (4) Beginning FY17 Fund Balances reflect anticipated unspent FY16 budgeted expenditures.

- (1) Previously allocated to Metro, Municipal Operators and cities.
- (2) Committed to board approved projects and programs.
- (3) PTMISEA stands for Public Transportation Modernization, Improvement and Service Committed for capital projects.
- Totals may not add due to rounding.

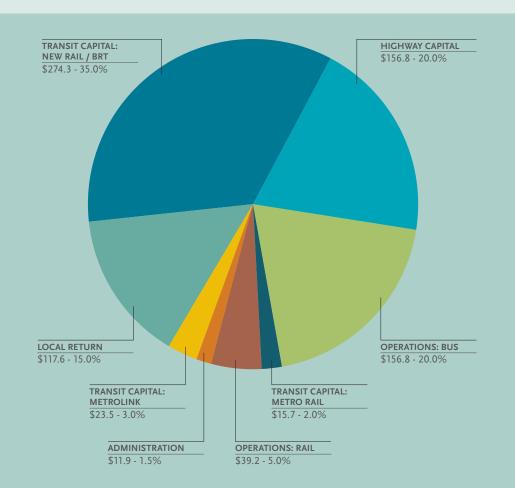
Measure R: Impact to the Region **The Measure R sales tax revenue ordinance** approved by voters in 2008 has rapidly become the single largest local funding source for the transit capital building boom currently underway in Los Angeles County. Metro's management is focused on carefully using this funding to ensure that the transit capital and highway projects outlined in the ordinance become a reality.

The investment in public transit and highway infrastructure made possible through Measure R and other funding partners has benefited the region not just in terms of improved mobility, but also with increased economic activity and job creation. This is no small feat considering the worldwide economic downturn at the time when Measure R was approved.

Metrolink is the sole recipient of funding from the Measure R 3% component, which is eligible for operations, maintenance and expansion of the commuter rail system. These funds have helped finance various safety and system improvements, including the installation of the much needed positive train control system.

Local jurisdictions in the county receive funding through the Local Return subfund, which is allocated based on population. As specified in the Measure R ordinance, these funds must be spent on transportation projects and infrastructure improvements such as major street resurfacing and rehabilitation, pothole repair, left turn signals, bikeways, pedestrian improvements, signal synchronization and transit. In addition, the Bus Operations subfund is allocated to Metro and other transit providers in the region based on the Formula Allocation Procedure in order to fund countywide bus service operations, maintenance and expansion.

Measure R Sales Tax Revenue: \$795.7 (\$ in Millions)



SUBFUND (\$ IN MILLIONS)	EXPENDITURE PROGRAM	% OF SALES TAX	BEGINI	7 EST NING D BAL	F REVEN BUD			FY17 NDITURE BUDGET	F	FY17 EST ENDING UND BAL
TRANSIT CAPITAL	New Rail and/or Bus Rapid Transit Capital Projects ⁽²⁾	35.0%	\$ (6	(0.5)	\$ 27	4.3	\$ 2	13.8 ⁽¹⁾	\$	_
HIGHWAY CAPITAL	Carpool Lanes, Highways, Goods Movement, Grade Separations & Soundwalls	20.0%		54.9		6.8	V 2	172.4	*	149.2
OPERATIONS	Bus Operations - Countywide Bus Service (Operations, Maintenance & Expansion)	20.0%		4.4	15	6.8		159.0		2.2
LOCAL RETURN (3)		15.0%		-	11	7.6		117.6		
OPERATIONS	Rail Operations - (New Transit Projects Operations & Maintenance)	5.0%	4	0.6	3	9.2		60.5		19.3
TRANSIT CAPITAL	Metrolink Capital Improvement Projects within LA County (Operations, Maintenance & Expansion)	3.0%	2	36.4	2	3.5		51.1		8.7
TRANSIT CAPITAL	Metro Rail Capital - System Improvements, Rail Yards & Rail Cars (2)	20.0%		(4.4)		5.7		11.3		- 6.7
ADMINISTRATION	Administration	1.5%	2	29.9	1	1.9		16.7		25.1
Subtotal Measure R Pr Funding Plan from Sal	•		\$ 21	11.2	\$ 79	5.7	\$	802.2	\$	204.6
Measure R Transit (Capital 2% Bond Proceeds ⁽⁴⁾ Capital 35% Commercial Paper			-	41	3.6		413.6		<u></u>
Subtotal Measure R Pr	Capital 35% TIFIA Loan Proceed rojects Funding Plan from nercial Paper & TIFIA Loan Proc		\$	-		5.0 8.6	\$	435.0 848.6	\$.
	rojects Funding Plan from			11.2	\$ 1,64		\$ 1	1,650.8	\$	204.6
Subtotal Measure R Programmer R Source	rojects Funding Plan from		\$		\$ 74	9.7	\$	749.7	\$	
Total Measure R Proje				11.2	\$ 2,39			2,400.5	\$	204.6

Measure R Ordinance: Summary of Sales Tax Revenues, Expenditures & Fund Balances (by Subfund)

Notes

- (1) Excludes \$2.3M amortization cost of bond premium to reflect the total Measure R funding.
- (2) The deficit in the Beginning Fund Balance of Measure R Transit Capital 35% and Measure R Metro Rail Capital 2% is due to cash flow issue. Metro will resolve the deficit in FY17.
- (3) To the incorporated Cities within Los Angeles County and to Los Angeles County for the Unincorporated Area on a per capita basis for major street resurfacing, rehabilitation and reconstruction; pothole repair; left turn signals; bikeways; pedestrian improvements; streetscapes; signal synchronization; and transit.
- (4) Metro plans to draw down \$435.0M TIFIA (Transportation Infrastructure Finance and Innovation Act) loan in FY17 to fund Measure R Transit Capital 35% activities (including \$381.6M for Westside Subway Extension project, and \$53.4M for Regional Connector). Metro plans to use Measure R Transit Capital New Rail 35% Bond proceeds of \$284.6M for Crenshaw project and \$129.0M for Westside Subway Extension project.
- (5) Funding from non-Measure R funding sources for Measure R projects: Federal Subsidies \$382.6M; State Subsidies \$33.5M; Local Subsidies \$333.6M.

Measure R: Projects / Funding

ASURE R DJECTS / FUNDING N MILLIONS)	MEASURE R FUNDS (1)	NON- MEASURE R FUNDS ⁽²⁾	T EXPE
FACURE D TRANSIT CARITAL MEW RALL (1-0/)			
EASURE R TRANSIT CAPITAL - NEW RAIL (35%)	\$ 1.6	¢ 2.7	¢
Eastside Light Rail Access	\$ 1.6	\$ 3.7	\$
Green Line Ext Redondo Beach-South Bay Regional Connector	53.4	179.8	2
Sepulveda Pass Transit Corridor	33.4	3.3	
Regional Clean Fuel Bus Capital	9.7		
Airport Metro Connector	10.8		
Gold Line Foothill	23.1		
Westside Purple Line	629.7	217.6	8
		217.0	0
San Fernando Valley East North/South Rapidways West Santa Ana Branch Corridor	1.4	-	
Crenshaw			2
	284.6	66.6 42.8	3
Light Rail Vehicles for Service Expansion Expo 1		3.4	
	-	107.2	1
Expo 2 Eastside Extension Phase 2	-		
easure R Transit Capital - New Rail (35%) Total	\$ 1,016.0	3.2 \$ 628.3	\$ 1,64
EASURE R HIGHWAY CAPITAL (20%) Countywide Soundwall Projects	\$ 12.7	\$ -	\$
High Desert Corridor	0.8	-	
I-405, I-110, I-105, SR91 Ramp & Interchange	7.7	-	
SR-710 North Gap Closure	3.9	-	
I-710 South Early Action Projects	11.1	-	
Phase II Alameda Corridor E Grade Separation	35.0	-	
SR-138 Capacity Enhancements	7.2	-	
I-605 Corridor "Hot Spots" Interchanges	8.2	-	
Highway Operating Improvements Las Virgenes/Malibu	16.7	-	
Highway Operating Improvements Arroyo Verdugo	3.8	-	
I-5 South Capacity Enhancements	8.6	-	
I-5 North Carmenita Road Interchange Improvements	28.5	-	:
I-710 South Environmental Impact Report & Statement	7.2	-	
I-605 Interchange Improvement	11.7	-	
I-5 Capacity Enhancement from I-605 to Orange County Line	9.6	-	
easure R Highway Capital (20%) Total	\$ 172.9	\$ -	\$ 1
EASURE R TRANSIT CAPITAL - METRO RAIL (2%) Blue Line	\$ -	\$ 0.7	\$
Eastside Quad Gate Study & Installation	0.4	-	
Light Rail Fleet Midlife	-	32.4	
Regional Connector	-	1.9	
Transit Oriented Development	5.5	-	
Westside Purple Line	2.5	-	
Crenshaw	-	40.5	4
Cicionav			

NON- MEASURE R FUNDS ⁽²⁾	TC EXPEN
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\$ 749.7	\$ 2,40

Notes

- (1) Measure R funding sources include Measure R Bond Proceeds, Measure R cash and TIFIA loan.
- (2) Funding from non-Measure R funding sources for Measure R projects: Federal Subsidies \$470.0M; State Subsidies \$37.7M; Local Subsidies \$285.5M. Local Subsidies Sources include Prop A 35 bond proceeds, Prop C 25 bond proceeds, Prop A cash, Prop C cash, TDA, and local grants from cities.

Totals may not add due to rounding.

- (1) Measure R funding sources include Measure R Bond Proceeds, Measure R cash and TIFIA loan.
- (2) Funding from non-Measure R funding sources for Measure R projects: Federal Subsidies \$382.6M; State Subsidies \$33.5M; Local Subsidies \$333.6M. Local Subsidies sources include Prop A 35 bond proceeds, Prop C 25 bond proceeds, Prop A cash, Prop C cash, TDA, and local grants from cities.
- (3) \$2.3M amortization cost of bond premium is included as non-Measure R funding source. Current debt service expenses are funded by Measure R Transit Capital - New Rail 35% and Measure R Transit Capital -Metro Rail 2%.
- (4) This amount does not include Non-Measure R funding supplied by other operators towards their own operating costs.

FTES BY DEPARTMENT DETAIL	FY16 BUDGET	FY17 ADOPTED	CHANG
OPERATIONS	0.050	2.050	^-
Maintenance	2,873	2,958	85
Rail Transportation	18	18	(3.5)
Service Development	172	19	(15:
Strategic Planning Rail	606	641	3.5
Transit Operations - Bus	91	91	(7.1
Transportation	4,054	4,036	(1)
Vehicle Engineering & Acquisition	41	7.007	
Operations Total	7,855	7,807	(48
Non-Represented	275	275	(4)
Represented	7,580	7,532 7,807	(4)
Total Operations by Representation	7,855	7,807	(48
PLANNING & DEVELOPMENT			
Countywide Planning & Development	4	4	
Planning/Strategic Financial Planning/Grants Management	50	50	
Strategic Initiatives & Real Property Management	64	64	
Transit Corridors & Systemwide Planning	45	45	
Planning & Development Total	163	163	
Non-Represented Total Planning & Development by Representation	163 163	163 163	
PROGRAM MANAGEMENT Highway Project Delivery	25	25	
Program Control	45	45	
Program Management, Transit	157	157	
Regional Rail	7	7	
Program Management Total	234	234	
Non-Represented	234	234	
Total Program Management by Representation	234	234	
VENDOR/CONTRACT MANAGEMENT			
Administrative Services	6	6	
Contract Support/Client Services	14	14	
Diversity & Economic Opportunity	26	26	
Procurement	66	66	
Supply Chain Management	208	208	
Vendor/Contract Management Total	320	320	
Non-Represented	158	158	
Represented	162	162	
Total Vendor/Contract Management by Representation	320	320	
Total Agencywide Non-Represented	1,483	1,483	
Total Agencywide Represented	8,263	8,293	3(
Total Agency	9,746	9,776	30

Appendices



		BUS			RAIL			TOTAL	
STATISTICS	FY16 BUDGET	FY17 ADOPTED	% CHANGE	FY16 BUDGET	FY17 ADOPTED	% CHANGE	FY16 BUDGET	FY17 ADOPTED	% CHANGE
SERVICE PROVIDED (000)									
Revenue Service Hours (RSH)	7,062	7,006	-0.8%	1,094	1,263	15.4%	8,156	8,269	1.4%
Revenue Service Miles (RSM)	78,950	79,125	0.2%	22,844	25,950	13.6%	101,794	105,075	3.2%
SERVICE CONSUMED (000)									
Unlinked Boardings	326,790	324,271	-0.8%	108,995	119,630	9.8%	435,785	443,901	1.9%
Passenger Miles	1,351,395	1,340,998	-0.8%	614,235	663,893	8.1%	1,965,630	2,004,891	2.0%
OPERATING REVENUE (a.a.) (3)									
OPERATING REVENUE (000) (3) Fare Revenue	\$ 254,896	\$ 252,931	-0.8%	\$ 85,016	\$ 93,311	9.8%	\$ 339,912	\$ 346,242	1.8%
Advertising/Other	\$ 24,130	\$ 29,426	21.9%	\$ 2,297	\$ 3,412	48.5%	\$ 26,427	\$ 32,838	24.3%
Total	\$ 279,026	\$ 282,357	1.2%	\$ 87,313	\$ 96,723	10.8%	\$ 366,339	\$ 379,080	3.5%
OPERATING COST DATA (000)									
Transportation	\$ 378,661	\$ 395,366	4.4%	\$ 61,081	\$ 71,660	17.3%	\$ 439,742	\$ 467,026	6.2%
Maintenance	\$ 316,203	\$ 329,197	4.1%	\$ 183,714	\$ 213,707	16.3%	\$ 499,917	\$ 542,904	8.6%
Other & Support Cost	\$ 366,951	\$ 398,149	8.5%	\$ 180,431	\$ 170,396	-5.6%	\$ 547,382	\$ 568,545	3.9%
Total	\$1,061,815	\$1,122,712	5.7%	\$ 425,226	\$ 455,763	7.2%	\$1,487,041	\$1,578,475	6.1%
Subsidy Data (000)	\$ 782,789	\$ 840,355	7.4%	\$ 337,913	\$ 359,040	6.3%	\$1,120,702	\$1,199,395	7.0%
PER BOARDING STATISTICS									
Fare Revenue	\$ 0.78	\$ 0.78	0.0%	\$ 0.78	\$ 0.78	0.0%	\$ 0.78	\$ 0.78	0.0%
Operating Cost	\$ 3.25	\$ 3.46	6.6%	\$ 3.90	\$ 3.81	-2.3%	\$ 3.41	\$ 3.56	4.2%
Subsidy	\$ 2.40	\$ 2.59	8.2%	\$ 3.10	\$ 3.00	-3.2%	\$ 2.57	\$ 2.70	5.5%
Passenger Miles	4.14	4.14	0.0%	5.64	5.55	-1.5%	4.51	4.52	0.1%
Fare Recovery %	24.0%	22.5%	-6.2%	20.0%	20.5%	2.5%	22.9%	21.9%	-4.2%
PER RSH STATISTICS									
Revenue	\$ 39.51	\$ 40.30	2.0%	\$ 79.81	\$ 76.58	-4.0%	\$ 44.92	\$ 45.84	2.1%
Boardings	46.28	46.28	0.0%	99.63	94.72	-4.9%	53.43	53.25	-0.3%
Passenger Miles	191.37	191.41	0.0%	561.46	525.65	-6.4%	241.01	242.46	0.6%
Transportation Cost	\$ 53.62	\$ 56.43	5.2%	\$ 55.81	\$ 56.74	1.6%	\$ 53.92	\$ 56.48	4.6%
Maintenance Cost	\$ 44.78	\$ 46.99	4.9%	\$ 167.85	\$ 169.21	0.8%	\$ 61.30	\$ 65.66	7.1%
Other & Support Cost	\$ 51.96	\$ 56.83	9.4%	\$ 164.85	\$ 134.91	-18.2%	\$ 67.12	\$ 68.76	2.4%
Total Cost	\$ 150.36	\$ 160.25	6.6%	\$ 388.51	\$ 360.86	-7.2%	\$ 182.33	\$ 190.89	4.1%
Subsidy	\$ 110.85	\$ 119.95	8.2%	\$ 308.88	\$ 284.28	-8.0%	\$ 137.41	\$ 145.05	5.6%
PER PASSENGER MILE STATISTICS									
Revenue	\$ 0.21	\$ 0.21	0.0%	\$ 0.14	\$ 0.15	7.5%	\$ 0.19	\$ 0.19	0.0%
Revenue Mile	0.06	0.06	0.0%	0.04	0.04	0.0%	0.05	0.05	-0.2%
Transportation Cost	\$ 0.28	\$ 0.29	3.2%	\$ 0.10	\$ 0.11	10.0%	\$ 0.22	\$ 0.23	4.1%
Maintenance Cost	\$ 0.23	\$ 0.25	8.1%	\$ 0.30	\$ 0.32	6.3%	\$ 0.25	\$ 0.27	8.0%
Other & Support Cost	\$ 0.27	\$ 0.30	11.3%	\$ 0.29	\$ 0.26	-10.3%	\$ 0.28	\$ 0.28	0.0%
Total Cost	\$ 0.79	\$ 0.84	6.6%	\$ 0.69	\$ 0.69	0.0%	\$ 0.76	\$ 0.79	3.7%
Subsidy	\$ 0.58	\$ 0.63	8.2%	\$ 0.55	\$ 0.54	-1.7%	\$ 0.57	\$ 0.60	4.9%
FTE'S PER HUNDRED (1)									
Operators per RSH	5.58	5.61	0.1%	4.03	3.34	-17.1%	5.02	4.93	-1.8%
Mechanics per RSM	0.12	0.12	0.0%	0.10	0.10	0.0%	0.11	0.11	0.0%
Service Attendants RSM	0.06	0.05	-1.0%	0.16	0.05	-58.8%	0.05	0.05	0.0%
Maintenance of Way (MOW)	0.00	0.00	0.0%	24.43	24.81	1.5%	24.43	24.81	1.5%
Inspectors per RM ⁽²⁾ Transit Operations Supervisors									
per RSH	0.47	0.49	4.0%	1.39	1.20	-13.4%	0.60	0.60	0.0%

REVENUE SERVICE HOURS	FY16 BUDGET	FY17 ADOPTED	CHANGE	BOARDINGS (000)	FY16 BUDGET	FY17 ADOPTED	CHANGE
BUS				BUS			
Local & Rapid	6,327,663	6,248,575	(79,088)	Local & Rapid	298,983	296,414	(2,569)
Silver Line	84,380	115,368	30,988	Silver Line	4,472	4,572	100
Orange Line	130,516	130,516	-	Orange Line	8,194	8,094	(100)
Purchased Trans	519,176	511,501	(7,675)	Purchased Trans	15,141	15,191	50
Subtotal Bus	7,061,735	7,005,960	(55,775)	Subtotal Bus	326,790	324,271	(2,519)
RAIL				RAIL			
Blue Line	294,483	277,622	(16,861)	Blue Line	25,387	25,387	<u> </u>
Green Line	93,589	93,589	-	Green Line	12,083	12,083	<u> </u>
Gold Line	214,069	248,141	34,072	Gold Line	14,933	18,251	3,318_
Expo Line	166,848	328,879	162,031	Expo Line	9,833	17,150	7,317
Red Line	325,510	314,852	(10,658)	Red Line	46,759	46,759	<u> </u>
Subtotal Rail	1,094,499	1,263,083	168,584	Subtotal Rail	108,995	119,630	10,635
<u>Total</u>	8,156,234	8,269,043	112,809	<u>Total</u>	435,785	443,901	<u>8,116</u>
REVENUE SERVICE MILES	FY16 BUDGET	FY17 ADOPTED	CHANGE	PASSENGER MILES (000)	FY16 BUDGET	FY17 ADOPTED	CHANGE
BUS				BUS			
Local & Rapid	68,701,920	67,843,231	(858,689)	Local & Rapid	1,209,733	1,199,338	(10,395)
Silver Line	1,831,046	2,849,590	1,018,544	Silver Line	17,618	18,012	394_
Orange Line	2,140,454	2,140,454	-	Orange Line	51,999	51,364	(635)
<u>Purchased Trans</u>	6,276,209	6,291,462	15,253	Purchased Trans	72,046	72,283	238_
Subtotal Bus	78,949,629	79,124,736	175,107	Subtotal Bus	1,351,395	1,340,998	(10,397)
RAIL	F 427 207	F 110 025	(210.752)	RAIL	107 705	107 705	
Blue Line	5,427,387		(310,752)	Blue Line	181,725	181,725	
Green Line	2,730,794	2,730,794 4,896,685	672.250	Green Line	77,850	77,850	20.070
Gold Line				Gold Line	90,366	110,444	
Expo Line Red Line	3,075,049 7,386,643	6,061,320 7,144,785		Expo Line Red Line	39,751 224,542	69,331 224,542	29,580
Subtotal Rail	22,844,199	25,950,219		Subtotal Rail	614,235	663,893	49,658
Subtotal Kall	22,044,133	23,730,213	3,100,020	Subtotal Nail	014,233	003,833	42,038
<u>Total</u>	101,793,828	105,074,955	3,281,127	Total	1,965,630	2,004,891	39,261

- (1) Does not include purchased transportation miles/hours.
- (3) FY16 boardings, passenger miles and fare revenues reflect FY16 year-end projections.

Appendix II: Activity Based Bus Cost Model

	FY16 B	UDGI	ET	FY17 AD	ОРТ	ED		INC /	(DEC	:)
ACTIVITIES	\$ 000		\$ / RSH	\$ 000		\$ / RSH		\$ 000		\$ / RSH
TRANSPORTATION										
	¢2.47.005	\$	E2 10	¢ 262 047	\$	55.75	¢	14,142	\$	2 57
Wages & Benefits Services	\$347,905 55	1	0.01	\$ 362,047	•	0.01	•		D	2.57
Materials & Supplies	378		0.01	337		0.01		(11 <u>)</u> (41)		(0.01)
Training	7,049		1.08	7,260		1.12		211		0.04
Control Center	8,166		1.25	8,606		1.33		440		0.04
Scheduling & Planning	4,579		0.70	4,525		0.70		(54)		0.08
Field Supervision	10,529		1.61	12,547		1.93		2,018		0.32
Total Transportation	\$ 378,661	\$	57.88	\$ 395,366	\$	60.88	\$	16,705	\$	3.00
		Ť		4 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -			_			
MAINTENANCE										
DIVISION MAINTENANCE										
Wages & Benefits	\$ 148,965	\$	22.77	\$ 149,343	\$	23.00	\$	378	\$	0.23
<u>Fuel</u>	28,376		4.34	30,129		4.64		1,752		0.30
Materials & Supplies	39,916		6.10	43,090		6.63		3,175		0.53
Fueling Contractor Reimbursement	(1,000)		(0.15)	(1,000)		(0.15)		-		<u>-</u>
Services	216		0.03	209		0.03		(7)		
Subtotal Division Maintenance	\$ 216,473	\$	33.09	\$ 221,771	\$	34.15	\$	5,298	\$	1.06
CENTRAL MAINTENANCE										
Wages & Benefits	\$ 20,829	\$	3.18	\$ 21,201	\$	3.26	\$	372	\$	0.08
Materials & Supplies	6,229	ų.	0.95	11,696	Ψ	1.80	Ψ	5,467	Ψ_	0.85
Maintenance Services	196		0.03	196		0.03				0.85
Subtotal Central Maintenance	\$ 27,254	\$	4.17	\$ 33,093	\$	5.10	\$	5,839	\$	0.93
				, , , , , , , , , , , , , , , , , , , ,						
OTHER MAINTENANCE										
Maintenance Support	\$ 19,836	\$	3.03	\$ 15,983	\$	2.46	\$	(3,854)	\$	(0.57)
Non-Revenue Vehicles	8,048		1.23	7,471		1.15		(577)		(0.08)
Facilities Maintenance	42,208		6.45	48,476		7.46		6,268		1.01
Training	2,383		0.36	2,403		0.37		20		0.01
Subtotal Other Maintenance	\$ 72,475	\$	11.08	\$ 74,333	\$	11.45	\$	1,858	\$	0.37
Total Maintenance	\$ 316,203	\$	48.33	\$ 329,197	\$	50.69	\$	12,994	\$	2.36
OTHER OPERATING										
Transit Security	\$ 36,993	\$	5.65	\$ 53,717	\$	8.27	\$	16,725	\$	2.62
Revenue	33,956	—	5.19	28,329	Ψ	4.36	Ψ	(5,627)	Ψ_	(0.83)
Service Development	12,261		1.87	12,622		1.94		361		0.07
Safety	3,760		0.57	4,760		0.73		999		0.16
Casualty & Liability	46,576		7.12	48,655		7.49		2,079		0.10
Workers' Comp	49,360		7.54	55,880		8.60		6,521		1.06
Transitional Duty Program	1,129		0.17	1,085		0.17		(44)		(0.01)
Utilities	15,035		2.30	17,725		2.73		2,690		0.43
Other Metro Operations	12,017		1.84	10,081		1.55		(1,935)		(0.28)
Building Costs	11,418		1.75	10,548		1.62		(869)		(0.12)
Copy Services	906		0.14	945		0.15		39		0.01
Total Other Operating	\$ 223,410	\$	34.15	\$244,349	\$	37.62	¢	20,939	\$	3.48
Total Other Operating	\$ 223,410	Þ	34.13	\$ Z77,343	Þ	37.02	Ф	20,555	Φ	3.40

	FY16 B	SUDGET	FY17 ADOPTED		INC /	(DEC	:)
ACTIVITIES	\$ 000	\$ / RSH	\$ 000	\$ / RSH	\$ 000		\$ / RS
SUPPORT DEPARTMENTS							
Board Oversight	\$ 2,047	\$ 0.31	\$ 736	\$ 0.11	\$ (1,312)	\$	(0.2
CEO	3,608	0.55	11,304	1.74	7,696		1.1
Management Audit Services	1,998	0.31	1,959	0.30	(39)		(0.0
Procurement	22,707	3.47	25,908	3.99	3,201		0.5
Communications	14,072	2.15	16,610	2.56	2,538		0.4
Finance	13,431	2.05	9,517	1.47	(3,914)		(0.5
Human Resources	2,666	0.41	4,602	0.71	1,936		0.3
Real Estate	4,214	0.64	2,932	0.45	(1,282)		(0.1
<u>ITS</u>	21,906	3.35	23,108	3.56	1,201		0.2
Administration	5,687	0.87	2,204	0.34	(3,482)		(0.5
Construction	810	0.12	1,037	0.16	227		0.0
Total Support Departments	\$ 93,147	\$ 14.24	\$ 99,916	\$ 15.38	\$ 6,770	\$	1.1
Total Local & Rapid Bus Costs	\$1,011,421	\$ 154.59	\$1,068,829	\$ 164.58	\$ 57,408	\$	9.9
Directly Operated RSH	6,543		6,494		(48)		
PURCHASED TRANSPORTATION							
Contracted Service	\$ 46,980	\$ 90.49	\$ 49,000	\$ 95.80	\$ 2,020	\$	5.3
Security	2,965	5.71	4,231	8.27	1,266		2.5
Administration	450	0.87	653	1.28	203		0.4
Total Purchased Transportation	\$ 50,394	\$ 97.07	\$ 53,883	\$ 105.34	\$ 3,489	\$	8.2
Purchased Transportation RSH	519		512		(8)		
Total Bus Costs	\$1,061,815	\$ 150.36	\$1,122,712	\$ 160.25	\$ 60,897	\$	9.8
Total Bus RSH (in 000s)	7,062		7,006		(56)		

58 Appendix III: Activity Based Rail Cost Model

	FY16 B	UDGET	FY17 AC	OOPTED	INC/	(DEC)
ACTIVITIES	\$ 000	\$ / RSH	\$ 000	\$ / RSH	\$ 000	\$ / RSH
TRANSPORTATION						
Wages & Benefits	\$ 46,659	\$ 42.63	\$ 56,501	\$ 44.74	\$ 9,841	\$ 2.10
Materials & Supplies	132	0.12	141	0.11	9	(0.01)
Other	31	0.03	26	0.02	(5)	
Control Center	12,331	11.27	11,494	9.10	(838)	
Training	1,927	1.76	3,498	2.77	1,571	1.01
Total Transportation	\$ 61,081	\$ 55.81	\$ 71,660	\$ 56.74	\$ 10,579	\$ 0.93
MAINTENANCE						
VEHICLE MAINTENANCE						
Wages & Benefits	\$ 45,376	\$ 41.46	\$ 60,579	\$ 47.96	\$ 15,202	\$ 6.51
Materials & Supplies	12,632	11.54	13,080	10.36	448	
Services	102	0.09	89	0.07	(13)	(0.02)
Other	1	-	1	-		-
Subtotal Vehicle Maintenance	\$ 58,111	\$ 53.09	\$ 73,748	\$ 58.39	\$ 15,637	\$ 5.30
WAYSIDE MAINTENANCE						
Wages & Benefits	\$ 29,085	\$ 26.57	\$ 37,968	\$ 30.06	\$ 8,883	\$ 3.49
Materials & Supplies	4,399	4.02	3,767	2.98	(631)	(1.04)
Services	1,139	1.04	1,363	1.08	224	0.04
Propulsion Power	36,696	33.53	50,079	39.65	13,383	6.12
Other	84	0.08	77	0.06	(7)	(0.02)
Subtotal Wayside Maintenance	\$ 71,402	\$ 65.24	\$ 93,254	\$ 73.84	\$ 21,852	\$ 8.60
OTHER MAINTENANCE						
Maintenance Support	\$ 3,053	\$ 2.79	\$ 182	\$ 0.14		
Non-Revenue Vehicles	1,868	1.71	3,046	2.41	1,177	0.70
Facilities Maintenance	47,288	43.20	43,477	34.42	(3,811)	
Maintenance Training	1,991	1.82	0.00	0.00	(1,991)	
Subtotal Other Maintenance	\$ 54,200	\$ 49.52	\$ 46,704	\$ 36.98		\$ (12.54)
Total Maintenance	\$ 183,714	\$ 167.85	\$ 213,707	\$ 169.21	\$ 29,993	\$ 1.35
OTHER OPERATING						
Transit Security	\$ 82,245	\$ 75.14	\$ 61,057	\$ 48.34	\$ (21,188)	\$ (26.80)
Revenue	18,481	16.89	21,153	16.75	2,672	(0.14)
Service Development	-	-	91	0.07	91	0.07
Safety	5,216	4.77	5,267	4.17	51	(0.60)
Casualty & Liability	4,530	4.14	4,771	3.78	240	(0.36)
Workers' Comp	8,846	8.08	11,096	8.79	2,251	0.70
Transitional Duty Program	60	0.05	60	0.05	-	(0.01)
Utilities	2,356	2.15	2,996	2.37	639	0.22
Other Metro Operations	17,391	15.89	7,055	5.59	(10,335)	(10.30)
Building Costs	4,292	3.92	4,223	3.34	(69)	(0.58)
Copy Services	341	0.31	378	0.30	38	(0.01)
Total Other Operating	\$ 143,757	\$ 131.35	\$ 118,147	\$ 93.54	\$ (25,610)	

	FY16 B	SUDGET	FY17 AC	OOPTED	INC / (DEC)		
ACTIVITIES	\$ 000	\$ / RSH	\$ 000	\$ / RSH	\$ 000	\$ / RSH	
SUPPORT DEPARTMENTS							
Board Oversight	\$ 150	\$ 0.14	\$ 193	\$ 0.15	\$ 43	\$ 0.02	
CEO	2,064	1.89	2,731	2.16	667	0.28	
Management Audit Services	751	0.69	784	0.62	33	(0.07)	
Procurement	7,349	6.71	10,749	8.51	3,400	1.80	
Communication	5,736	5.24	9,083	7.19	3,346	1.95	
Real Estate	6,304	5.76	5,881	4.66	(423)	(1.10)	
Finance	4,582	4.19	2,552	2.02	(2,031)	(2.17)	
Human Resources	1,002	0.92	1,842	1.46	840	0.54	
<u>ITS</u>	6,350	5.80	8,872	7.02	2,521	1.22	
Administration	2,137	1.95	1,450	1.15	(688)	(0.80)	
Construction	247	0.23	8,113	6.42	7,865	6.20	
Total Support Departments	\$ 36,675	\$ 33.51	\$ 52,249	\$ 41.37	\$ 15,575	\$ 7.86	
Grand Total Rail Costs	\$ 425,226	\$ 388.51	\$ 455,763	\$ 360.86	\$ 30,537	\$ <u>(27.65)</u>	
Total Rail RSH (in 000s)	1,094		1,263		169		

ROJECT DESCRIPTION IN THOUSANDS)	EXPEN	ECASTED NDITURES HRU FY16		FY17 ADOPTED		LIFE OF PROJECT
EASURE R TRANSIT CONSTRUCTION PROJECTS						
RAIL						
Crenshaw Connels on U.A.Y. Rusiness Intervention Fund	¢	400	\$	2 900	¢	2 200
Crenshaw/LAX Business Interruption Fund	\$	400	Þ	2,800	\$	3,200
Crenshaw/LAX Light Beil Torgett Construction		5,276		244.002		5,534
Crenshaw/LAX Light Rail Transit: Construction Crenshaw/LAX Light Rail Transit: Planning Phase 1		994,620		344,993		2,058,000
		5,526		-		
Crenshaw/LAX Light Rail Transit: Planning Phase 2		20,025		40.480		157,000
Southwestern Maintenance Yard	* -	53,539	_	40,489		157,000
Total Crenshaw	\$ 1,	079,385	\$	388,282	\$	2,223,734
Ехро 1						
Expo Blvd Light Rail Transit Phase 1: Expo Authority Incurred	\$	847,943	\$	2,900	\$	978,900
Expo Blvd Light Rail Transit Phase 1: Metro Incurred		61,780		452		<u> </u>
Light Rail Vehicles ⁽¹⁾		59,310		8,000		<u> </u>
Total Expo 1	\$	969,033	\$	11,352	\$	978,900
Expo 2						
Division 22 Paint & Body Shop	\$	2,490	\$	3,412	\$	11,000
Expo Blvd Light Rail Transit Phase 2: Holdback		43,891		656		
Expo Blvd Light Rail Transit Phase 2: Non-Holdback		122,399		30,792		
Expo Blvd Light Rail Transit Phase 2: Construction		879,239		75,534		1,500,158
Expo Blvd Light Rail Transit Phase 2: Planning		392		-		-
Expo 2 Insurance Betterment		2,463				2,584
Expo Phase 2 Betterments		2,400		1,500		3,900
Light Rail Vehicles (1)		115,604		33,500		
Total Expo 2		168,878	\$	145,394	\$	1,517,642
Gold Line Foothill						
Foothill Extension Insurance Betterment	\$	2,080	\$		\$	2,182
Gold Line Foothill Extension to Azusa: Construction		640,191	Ф_	15,059	Þ	741,000
Gold Line Foothill Extension to Azusa: Construction Gold Line Foothill Extension to Azusa: Planning		425		13,035		741,000
Gold Line Foothill Maintenance Facility - Metro 75%		206,160		-		207,437
Light Rail Vehicles (1)		36,827				207,437
Total Gold Line Foothill	\$	885,683	\$	15,059	\$	950,619
Total Gold Effe Toothin	,	003,003	Ψ_	15,055	Ψ.	
Regional Connector						
Regional Connector: Business Interruption Fund	\$	1,350	\$	1,850	\$	3,200
Regional Connector: Insurance Betterment		4,036		-		4,036
Regional Connector: Construction		608,653		222,391		1,551,817
Regional Connector: Construction -						
Non Full Funding Grant Agreement		29,251		10,740		39,991
Regional Connector: Planning		27,926		10		-
Total Regional Connector	\$	671,217	\$	234,991	\$	1,599,044

CAPITAL PROJECT CATEGORY (\$ IN THOUSANDS)	FORECASTED EXPENDITURES THRU FY16	FY17 ADOPTED	LIFE OF PROJECT
Westside Purple			
Division 20 Portal Widening & Turnback Facility	\$ -	\$ 2,700	\$ 3,500
Non-Revenue Vehicle for Transit Project Delivery Department	854	-	950
Westside Extension 1 Business Interruption Fund	650	2,500	3,150
Westside Insurance Betterment	6,553	-	6,553
Westside Subway Extension Section 1	761,663	367,324	2,778,880
Westside Subway Extension Section 2 (2)	210,591	231,326	441,917
Westside Subway Extension Section 3 (2)	17,839	248,066	265,906
Westside Subway Extension: Planning Phase 1	8,505	-	-
Westside Subway Extension: Planning Phase 2	37,283	563	_
Total Westside Purple	\$ 1,043,938	\$ 852,480	\$ 3,500,856
Total Rail	\$ 5,818,135	\$ 1,647,558	\$10,770,795
BUS Zero/Super Low Emission			
Bus Acquisition 30 Zero Emission/Super Low Emission	\$ 4,510	\$ 6,663	\$ 30,000
bus Acquisition 30 Zero Emission/Super Low Emission	\$ 4,510	\$ 0,003	30,000
Total Bus	\$ 4,510	\$ 6,663	\$ 30,000
	7 .,,	7 3,555	
BIKE			
Expo 2			
Expo Phase 2 Bikeway	15,836	266	16,102
Total Bike	\$ 15,836	\$ 266	\$ 16,102
Total Measure R Transit Construction Projects	\$ 5,838,480	\$ 1,654,487	\$10,816,898
MEASURE R TRANSIT PLANNING Airport Metro Connector (2)	\$ 13,922	\$ 10,784	\$ 24,706
Eastside Extension Phase 1 & 2 (2)	23,576	3,242	26,818
Eastside Light Rail Access (2)	16,164	5,295	21,459
Gold Line Foothill Extension (3)	-	-	-
Green Line Ext: Redondo to South Bay (2)	6,329	692	7,022
San Fernando Valley East N/S Rapidways (2)	10,562	1,362	11,924
Sepulveda Pass Corridor (2)	6,194	3,332	9,527
West Santa Ana Branch Corridor (2) (4)	3,872	1,569	5,442
Total Measure R Transit Planning	\$ 80,621	\$ 26,277	\$ 106,897
Total Measure R Transit Capital Expansion	\$ 5,919,101	\$ 1,680,764	\$10,923,795

Note

- (2) No Board Adopted Life of Project (LOP) during planning phase; project is funded on an annual basis.
- (3) FY17 budget of \$8M is captured in subsidies.
- (4) Total FY17 budget is \$1,799K; \$230K is captured in subsidies.

Totals may not add due to rounding.

Note

(1) Vehicle expenditures are expected to be adjusted.

Operating Capital

ROJECT DESCRIPTION IN THOUSANDS)		ORECASTED ENDITURES THRU FY16		FY17 ADOPTED		LIFE OF PROJECT
AFETY / SECURITY						
RAIL						
Blue Line						
Metro Blue Line Pedestrian & Swing Gate Installations	\$	3,730	\$	-	\$	7,700
Metro Blue Line Pedestrian Safety Enhancement at						
Grade Crossings		12,897		10,727		30,175
Metro Blue Line Signal System Rehabilitation		11,010		8,581		64,000
Metro Blue Line Traction Power Sub-Stations Rehabilitation		72,069				82,200
Total Blue Line	\$	99,706	\$	19,309	\$	184,075
Green Line						
Metro Green Line Signal System Rehabilitation - Phase 2	\$	6,489	\$	770	\$	7,800
Total Green Line	\$	6,489	\$	770	\$	7,800
Red/Purple Line Metro Red Line Electronic Access Control/Alarm Monitoring						
System Replacement (1)	\$	-	\$	455	\$	2,319
Metro Red Line Gas Analyzer Upgrade		1,514		1,471		4,000
Metro Red Line Operator Cab Camera Installation		5,849		298		6,380
Metro Red Line Tunnel Lighting Rehabilitation		3,713		1,049		9,000
Metro Red Line Universal City Pedestrian Bridge		26,861		2,723		29,585
Metro Red/Purple Lines Platform Gates Replacement		183		1,361		3,500
Total Red/Purple Line	\$	38,120	\$	7,356	\$	54,784
Multiple Lines Metro Blue Line & Metro Green Line Transit Passenger						
Information System	\$	9,464	\$	363	\$	9,830
Metro Security Kiosks at Rail Stations		4,889		161		5,150
Platform Track Intrusion Detection System		1,421		979		2,400
Supervisory Control & Data Acquisition System (SCADA)		0.40				7.26
Security Enhancement		948		-		1,365
Union Station Smart High Definition Closed Circuit		1 252				7.040
Television (CCTV)	*	1,252		7.502	+	1,849
Total Multiple Lines Total Rail	\$	17,974 162,290	\$	1,503 28,938	\$	20,59 ² 267,252
	Ť	,	_		Ť	
Compressed Natural Gas (CNG) Detection & Alarm Systems (1)	\$		\$	112	\$	4,586
Emergency Operations Booth at Divisions		25				452
Total Bus	\$	25	\$	112	\$	5,038
Mind Made						
Mixed Mode Fare Gate Project	\$	7,568	\$	3,231	\$	14,987
Fire Alarm Panel Replacement Program (1)	- J	7,308	- D	63	Ф	1,624
Metro Emergency Operations Center		9,547		5,875		16,103
Metro Red Line to Orange Line Underpass at		J,J7/		3,073		10,103
North Hollywood Station		16,931		1,482		23,077
Reduce Risk of Catastrophic Events to Union Station		10,551		1,702		23,077
Gateway Complex		_		91		6,983
Universal Fare System (UFS) Fare Box Upgrade				1,461		4,279
Total Mixed Mode	\$	34,046	\$	12,203	\$	67,054
		21,040	-	.2,203		37,037
Other	\$	710	\$	1 220	¢	7 91 4
Agency Information Security & Compliance Program	4	710	3	1,230	\$	7,814

CAPITAL PROJECT CATEGORY (\$ IN THOUSANDS)	FORECASTED EXPENDITURES THRU FY16	FY17 ADOPTED	LIFE OF PROJECT
Automated License Plate Recognition Network Phase 1	1,854	202	2,069
Automated License Plate Recognition Network Phase 2	1,204	376	1,602
Universal Fare System Security Upgrade	7,129	4,053	19,500
Union Station Fire Life Safety System,			
ADA Site Improvements & LED Lighting	-	6,674	19,946
Total Other	\$ 10,897	\$ 12,536	\$ 50,931
Total Safety / Security	\$ 207,258	\$ 53,789	\$ 390,275
STATE OF GOOD REPAIR			
RAIL Blue Line			
Blue Line Artwork Renovations & Replacement	\$ -	\$ 293	\$ 477
Division 11 Body Shop Ventilation	1,789	135	2,200
Light Rail Vehicle (P865/P2020) Midlife Overhaul	19,823	3,071	30,000
Long Beach Duct Bank Upgrade Phase 2	2,672	2,128	8,000
Metro Blue Line Communication & Signal Building Rehabilitation	897	324	1,800
Metro Blue Line Overhead Catenary System Rehabilitation	3,370	1,604	13,000
Metro Blue Line Rail Replacement & Booting	3,922	4,122	13,000
Metro Blue Line Station Refurbishments	32,246	707	32,953
Metro Blue Line Turnout Replacement	3,000	-	3,000
Metro Blue Line Wheel True Machine	1,400	800	2,200
Metro Blue Line Yard Signal System Rehabilitation	1,517	2,315	4,600
Metro Blue Line High Density Storage Equipment (1)	-	462	964
Total Blue Line	\$ 70,636	\$ 15,961	\$ 112,194
Gold Line			
Car Cleaning Platform Canopy	\$ 196	\$ -	\$ 505
Division 21 Car Wash Improvement	263	_	670
Division 21 Midway Yard Improvements	50	974	1,024
P2550 Light Rail Vehicle Component Overhaul (1)	-	2,775	20,008
Pasadena Gold Line Headway Improvements	1,301	80	1,400
Pasadena Gold Line Vehicle Loop Detector Replacement	200	201	750
Pasadena Gold Line Yard Train Loop Detector Replacement	254	83	600
Pasadena Gold Line South Pasadena Station Northbound			
Platform ADA Ramp	15	203	550
Total Gold Line	\$ 2,278	\$ 4,316	\$ 25,507
Green Line			
Metro Green Line Uninterruptible Power Supply (UPS)			
for Train Control & Communication Building	\$ 556	\$ 313	\$ 1,200
Metro Green Line Emergency Trip System	1,290	1,144	5,500
Metro Green Line Negative Grounding Devices	384	734	1,500
Metro Green Line Train Control Track Circuits &			
TWC Replacement (1)	-	83	28,851
Total Green Line	\$ 2,229	\$ 2,274	\$ 37,051
n ke i k			
Red/Purple Line Division 20 Wheel Press Machine	\$ 82	\$ 1,362	\$ 4,000
Division 20 Wheel Press Machine Division 20 Carwash & Cleaning Platform	\$ 82 14,578	\$ 1,362	\$ 4,000 15,400
Division 20 Carwash & Cleaning Platform Division 20 Switch Machine Replacement	14,578	1,721	1,900
Heavy Rail Vehicle Midlife Overhaul	5,934	9,906	52,000
Heavy Rail Vehicle Procurement	6,772	7,630	130,910
Metro Red Line 7th/Metro Station Turnback Upgrade	128	130	675
Opgrade	120	150	

Notes

(1) New project in FY17. Separate
Board approval of LOP budget
is required for new project with
a proposed LOP over \$5M.

Totals may not add due to rounding.

Notes

(1) New project in FY17. Separate Board approval of LOP budget is required for new project with a proposed LOP over \$5M.

(1) New project in FY17. Separate

Totals may not add due to rounding.

Board approval of LOP budget is required for new project with a proposed LOP over \$5M.

CAPITAL PROJECT CATEGORY (\$ IN THOUSANDS)	FORECASTED EXPENDITURES THRU FY16	FY17 ADOPTED	LIFE OF PROJECT
Metro Red Line Civic Center Station Escalator/			
Elevator Modernization	7,276	578	12,000
Metro Red Line Escalator Replacement/Modernization	6,352	4,084	20,756
Metro Red Line North Hollywood Parking Lot Demo	894	32	1,400
Metro Red Line Segment 1 Power Supply Replacement	179	-	300
Metro Red Line Train-to-Wayside Communication Rehabilitation	204	-	1,800
Replacement of Uninterruptible Power Supplies/Batteries Red Line FY17-FY22 (1)		2,391	3,684
Subway Railcar Component Replacement	22,813	3,532	30,000
	8	147	
Universal City Station North Entrance Knock-Out Panel Total Red/Purple Line	\$ 65,400	\$ 31,513	\$ 275,155
Total Real diple Line	\$ 05,400	Ψ 31,313	273,133
Multiple Lines			
Automatic Wheel Profile Measuring Device	\$ 1,150	\$ -	\$ 4,000
Digital Rail Radio System	15,712	2,755	25,000
Fiber Optic Main Loop Upgrade	1,580	1,038	4,250
Fire Control Panel Upgrade	1,037	928	3,600
FY16-FY17 Rail Non-Revenue Vehicle & Equipment Replacement	111	272	383
Heavy Rail SCADA System Replacement	7,573	3,867	15,883
Light Rail Vehicle (P2000) Midlife Overhaul	10,906	29,283	130,800
Light Rail Vehicle Fleet Replacement	26,607	1,275	589,659
Metro Green & Red Line Rail Station Refurbishments	3,714	-	4,500
Maintenance of Way (MOW) Tools & Equipment			
Procurement thru FY16	363	1,637	2,000
Non-Revenue Vehicle & Equipment - Rail	6,591	3,733	11,803
P2000 Vehicle Component Replacement	15,512	4,335	26,360
Professional Services to Support P3010 LRV Procurement Project	12,779	5,200	30,000
Rail Facilities Lighting Retrofit	1,574	2,630	4,205
Regional Rail Signage System Improvements	1,663	369	2,231
Systemwide Corrosion Protection System Replacement	7,118	2,681	13,000
Systemwide Elevator Installations (Vertical Systems)	3,036	579	8,000
Warehouse Pallet Racking for Rail	87	34	120
Total Multiple Lines	\$ 117,112	\$ 60,616	\$ 875,794
Total Rail	\$ 257,656	\$ 114,680	\$ 1,325,700
490 Bauchet Environmental Canopy Structure (1)	\$ -	\$ 108	\$ 110
ADA Equipment Installation (1)	Ψ -	1,199	10,868
Articulated Bus Replacement	197	5,311	5,507
Bus Acquisition 550 & 350 40-Foot	444,168	40,620	507,060
Bus Facilities Lighting Retrofit	3,747	74	4,250
Bus Facilities Maintenance & Improvement - Phase 3	1,425	1,970	21,650
Bus Facility Maintenance Improvements &	., .23	.,,,,,	2.,000
Enhancements Phase 1	20,503	728	21,231
Bus Facility Maintenance Improvements &	20,303	720	21,231
Enhancements Phase 2	18,675	1,254	20,896
Bus Midlife Program (1)	10,262	19,567	68,669
Central Maintenance Bus Engine Replacement Program	3,994	5,837	24,690
Central Maintenance Equipment Acquisition (1)		600	3,000
Central Maintenance Shop Engine Replacement Program thru F	Y14 27,385	-	32,112
Central Maintenance Shop Equipment Replacement	2,268	_	2,928
Central Maintenance Facility Building 5 Ventilation & Air	365	211	785
Division 1 Improvements	2,933	2,260	20,866
Division i improvements	2,333	2,200	20,800

FORECASTED CAPITAL PROJECT CATEGORY (\$ IN THOUSANDS) **EXPENDITURES** FY17 ADOPTED LIFE OF PROJECT Division 13 Information Technology Services (ITS) Infrastructure 797 115 974 55 Division 13 Tenant Improvement 722 784 Division 3 Master Plan Phases 2-4 12,652 549 13,200 **Division 4 Concrete Pavement** 125 730 940 **DVR Equipment Refurbishment** 524 545 3,102 El Monte Busway Access Road Repair 450 767 1,426 Emergency Generators for Communications Network 294 157 500 Facility Equipment & Upgrades 2,253 2,254 Fuel Storage Tank System Enhancements (FY15-FY17) 2,284 6,500 3,216 Metro Art Enhancement 503 112 615 Metro Silver Line Improvements & Upgrades 6,386 1,460 7,845 Non-Revenue Vehicles & Equipment - Bus 5,867 6,923 Non-Revenue Vehicles & Equipment Replacement -Bus (FY17-FY18) (1) 1,383 4,975 Patsaouras Bus Plaza Paver Retrofit 5,768 1,559 9,093 Patsaouras Plaza Bus Station Construction 21,929 214 39,793 Pavement Repairs at Central Maintenance Facility (CMF), Division 7 & Division 8 495 1,815 4,249 Replacement 40' Buses (1) 5,350 302,091 Revenue Collection Equipment Midlife Refurbishment 1,521 1,521 Sylmar Child Center Rehabilitation 987 967 Terminals 47 & 48 Corrosion 145 746 965 **Total Bus** \$ 601,137 \$ 96,980 \$ 1,153,358 MIXED MODE Automated Storage & Retrieval System (ASRS) Unit Upgrade for Mini-Load 1,337 \$ 1,659 Bulk Storage & Fire Sprinkler Enhancement 112 73 185 401 1,500 Call Center Telephone Replacement 1,099 Cash Room Equipment Request (1) 383 383 Customer Center Relocation Improvements 433 324 761 HASTUS Transportation System Scheduling Software Upgrade & Enhancement 2,582 1,428 4,010 HASTUS Infrastructure Upgrade 243 394 1,687 High Density Storage Equipment for Bus & Rail 1,964 324 2,288 Installation of Signage & Posters 655 242 897 251 270 Non-Revenue Heavy Duty Non-Revenue Maintenance Shop Improvements 590 2,637 3,227 Non-Revenue Step Van 110 185 296 1,504 1,850 Non-Revenue Vehicles Procurement for Rail thru FY15 5,643 Sustainability Implementation Plan 2,000 2,000 System Projects 9,506 9,506 Transit Access Pass (TAP) Customer Relationship Management System 985 985 TAP Mobile Phone Validators 455 500 **Total Mixed Mode** 12,320 \$ 19,748 \$ 35,797 Application Platform Systems Upgrade (FY15-FY16) 980 \$ 1,500 Application Platform Systems Upgrades (FY17-FY18) (1) 591 1,685 BIAS Budget System Replacement 3,473 3,800 Contract Information Management System - Phase 2 7,561 7,561 400 1,400 Customer Relations Management Automation & Enhancements (1)

(1) New project in FY17. Separate Board approval of LOP budget is required for new project with a proposed LOP over \$5M.

CAPITAL PROJECT CATEGORY (\$ IN THOUSANDS)	FORECASTED EXPENDITURES THRU FY16	FY17 ADOPTED	LIFE OF PROJECT
Digital Incident Management System	856	674	2,064
E-Discovery & Legal Hold Management (1)	-	500	3,800
Enterprise Telephone & Unified Messaging System (1)	-	366	10,146
Financial & Budget Systems Integration	2,626	779	4,200
Financial Information System R12 Upgrade	8,771	821	12,900
Gateway Building Emergency Generator	1,863	-	1,895
Gateway Building Renovations	17,813	4,603	42,842
Gateway Building New LED Lighting	239	1,451	2,589
Interagency Transfer (IAT) (1)	-	543	803
Mobile & Tablet Applications	261	611	978
Mobile Phone Validator (MPV) Application/			
Infrastructure Enhancements	1	506	508
Parking - TAP Integration (1)	-	457	924
Tablet Regional Point of Sale Device	404	1,055	1,921
Technology Projects to Enhance Customer Experience (1)	-	1,387	2,227
Ticket Vending Machine (TVM) Software Upgrade -			
Multiple Ticket & Language	486	1,068	1,750
Universal Fare System Disaster Recovery	2,095	1,912	8,085
Union Station Main Terminal HVAC Upgrade	5,368	-	5,376
Union Station Renovations & Upgrades	14,349	2,962	17,311
Union Station Reroofing	7,056	-	7,080
Universal Fare Collection System	96,032	-	97,607
Web Infrastructure Upgrade	3,096	-	3,096
Workstation & Network Technology Refresh (FY15-FY16)	2,227	-	2,600
Workstation & Network Technology Refresh (FY17-FY18) (1)	-	940	2,700
Total Other	\$ 175,556	\$ 21,626	\$ 249,347
Total State of Good Repair CAPITAL INFRASTRUCTURE RAIL	\$ 1,046,669	\$ 253,035	\$ 2,764,202
Gold Line			
Gold Line Eastside Extension	\$ 888,792	\$ 1,380	\$ 898,814
Warehouse High Density Storage Equipment at Monrovia	1,455	381	1,874
Total Gold	\$ 890,247	\$ 1,761	\$ 900,688
Red/Purple Line			
7th/Metro & The Bloc Connection	\$ 679	\$ 668	\$ 4,650
Metro Red Line Segment 2 Closeout	31,185	550	32,482
Metro Red Line Segment 3 North Hollywood Closeout	4,049	125	4,408
Wayside Energy Storage Substation (WESS)	4,659	-	5,166
Total Red/Purple Line	\$ 40,571	\$ 1,343	\$ 46,706
Multiple Lines			
Electric Vehicle Charging Stations at Metro Rail			
Maintenance Facilities	\$ 59	\$ 117	\$ 175
FY14-FY15 Rail Facility Sub-Metering Project - Division 11, 22,			
& Location 60	155	85	240
FY14-FY15 Rail Facility Sub-Metering Project - Division 20 & 21	129	73	421
LRT Freeway Stations Sound Enclosures	2,493	528	8,609
Public Plug-In Charge Station	581	189	973
Total Multiple Lines	\$ 3,417	\$ 993	\$ 10,418
Total Rail	\$ 934,235	\$ 4,097	\$ 957,812

CAPITAL PROJECT CATEGORY (\$ IN THOUSANDS)	FORECASTED EXPENDITURES FYIT THRU FY16 ADOPTEE		LIFE OF PROJECT	
BUS				
Bus Rapid Transit (BRT) Freeway Station Sound Enclosure	\$ 4,163	\$ 1,207	\$ 5,838	
Bus Stop Information System Project	1,017	133	1,150	
Cesar Chavez Bus Stop Improvements	612	561	2,100	
Countywide Signal Priority Module	259	741	1,000	
Division 13 Construction	119,183	1,159	120,342	
El Monte Busway & Transit Center Expansion	59,701	150	60,106	
FY14-FY15 Bus Facility Sub-Metering Project -				
Division 1, 2, 4, 9, & 18	391	74	465	
FY14-FY15 Bus Facility Sub-Metering Project -				
Division 3, 6, 8, & 15	372	_	373	
Metro Orange Line Reclaimed Water Project	131	32	400	
Total Bus	\$ 185,830	\$ 4,056	\$ 191,774	
	100,000	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	- 121,221	
MIXED MODE				
Inglewood Station Bus Transfer Facility	\$ 260	\$ 1,240	\$ 2,200	
Internet-based Customer Help Desk	298	534	1,142	
Nextrip Electronic Signage	162	1,640	4,400	
Rosa Parks / Willowbrook Station (1)	-	6,738	64,080	
Ticket Vending Machine Installations	1,525	2,664	6,736	
Total Mixed Mode	\$ 2,245	\$ 12,817	\$ 78,558	
BIKE				
Bicycle Access Improvements - Rail	\$ 724	\$ 966	\$ 1,843	
Bicycle Lockers & Racks for Metro Rail Stations	1,231	119	1,350	
Bikeshare Phase 1 Implementation	3,979	1,820	5,800	
Bikeshare Phase 2 Implementation (1)	0	2,620	2,620	
Union Station Metro Bike Hub	356	964	1,320	
Total Bike	\$ 6,290	\$ 6,489	\$ 12,933	
Total birc	3 0,230	\$ 0,405	12,555	
OTHER				
Parking Guidance System (at Metro Owned Park				
& Ride Properties)	\$ 162	\$ 1,994	\$ 3,025	
TAP Near-Field-Communication (NFC) Mobile				
Application Development	166	458	625	
Union Station Gateway Building (USG) Domestic Hot				
Water System Modification	73	-	73	
Total Other	\$ 402	\$ 2,452	\$ 3,723	
Total Capital Infrastructure	\$ 1,129,001	\$ 29,912	\$ 1,244,800	
Total Operating Capital	\$ 2,382,927	\$ 336,735	\$ 4,399,277	

⁽¹⁾ New project in FY17. Separate
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Revenue Estimates

FY17 TOTAL FUNDS AVAILABLE CARRY-OVER FY15 BUDGET FY16 TOTAL FUNDS STATE AND LOCAL TRANSPORTATION DEVELOPMENT ACT **PLANNING & ADMINISTRATION** Planning - Metro \$ 2,000 \$ - \$ 2,000 \$ 2.000 Planning - SCAG 3,036 2,896 3,604 Administration - Metro (52) 3,464 Subtotal 8,500 \$ 8,500 \$ 8,500 - \$ - \$ 7,787 138 Article 3 Pedestrian & Bikeways 2.0% 7,925 7,551 91.6% 356,813 6,315 1,540 364,667 347,794 Article 4 Bus Transit Article 8 Streets & Highways 6.4% 24,750 438 25,189 23,988 Total Planning & Administration (1) \$ 397,850 \$ 6,891 \$ 1,540 \$ 406,281 \$ 387,834 **PROPOSITION A** Administration 5.0% 39,785 573 40,358 38,608 Local Return (2) 25.0% 188,979 188,979 181,331 n/a 35.0% 264,570 3,809 268,379 256,747 Rail Development 40.0% **BUS TRANSIT** 95% of 40% Capped at CPI (1.85%) (3) 234,828 234,828 230,563 95% of 40% Over CPI (4) 52,420 52,420 45,061 Sub-total \$ 287,248 \$ - \$ 287,248 \$ 275,624 5% of 40% Incentive 15,118 218 15,336 Total Proposition A (1) \$ 795,700 \$ 4,599 \$ - \$ 800,299 \$ 766,981 **PROPOSITION C** Administration 11,936 12,107 11,584 5.0% 39,188 563 39,751 38,034 Rail/Bus Security 10.0% 78,376 1,126 79,503 76,068 Commuter Rail Local Return (2) 20.0% 156,753 n/a 156,753 150,410 25.0% 195,941 2,815 198,756 190,169 Freeways & Highways 40.0% 313,506 4,504 318,010 Discretionary 304,271 Total Proposition C (1) \$ 795,700 \$ 9,180 - \$ 804,880 \$ 770,536 STATE TRANSIT ASSISTANCE Bus (PUC 99314 Revenue Base Share) (5) 24,595 29,277 54,516 Rail (PUC 99313 Population Share) 28,260 1,348 57 29,665 52,965 Total State Transit Assistance (1) 52,855 \$ 5,923 \$ 58,942 \$ 107,481 **MEASURE R** 1.5% 11,936 176 12,402 11,683 Administration 290 274,318 35.0% 4,040 231 278,589 269,249 Transit Capital - New Rail Transit Capital - Metrolink 3.0% 23,513 346 1,204 25,063 23,668 Transit Capital - Metro Rail 2.0% 15,675 231 194 16,100 15,420 Highway Capital 20.0% 156,753 2,309 2,951 162,013 153,621 39,188 New Rail Operations 5.0% 577 40,385 38,481 **Bus Operations** 20.0% 156.753 2.309 (103) 158.958 151,622 15.0% 117,565 Local Return (2) 117,555 112,807 Total Measure R (1) \$ 795,700 \$ 9,987 \$ 5,377 \$ 811,064 \$ 776,551 **Total Funds Available \$ 2,837,805 \$ 36,581 \$ 7,080 \$ 2,881,467 \$ 2,809,382**

Total Planning & Administration Allocations \$ 72,156 \$ 920 \$ 290 \$ 73,366 \$ 70,375

Notes

- (1) The revenue estimate is 3.3% over the FY16 revenue estimate based on several economic forecasts evaluated by Metro.
- (2) Local Return Subfunds do not show carryover balances. These funds are distributed in the same period received.
- (3) CPI of 1.85% represents the average estimated growth rate provided by Beacon Economics applied to Prop A Discretionary allocated to included operators.
- (4) Proposition A 95% of 40% Bus Transit current year estimate will be used to fund eligible and Tier 2 operators. The carry-over is not shown since it has been converted into Proposition C 40% discretionary to fund various Board-approved discretionary programs.
- (5) STA Revenue estimate from the State Controller's office is reduced by \$18 million for the revenue based share and \$13 million for the population based share due to anticipated shortfall of FY16 revenue.

Totals may not add due to rounding.

Metro is the transportation planning agency for Los Angeles County. In this capacity, Metro plans, programs and administers various local, state and federal funds for the operating and capital needs of the county's transit systems and various transportation improvement programs. In FY17, \$1.3 billion in subsidies is going right back into Los Angeles County. Funds received by municipal transit operators, Access Services and Metrolink are used by those agencies to provide transit services, ensuring mobility throughout the region. Funds received by the 88 cities and unincorporated areas of Los Angeles County are used to invest in transportation improvements at the local level, such as public transit, streets and roads, bikeways and pedestrian improvements in their areas.

ACCESS SERVICES

Access Services (Access) fulfills the provision of the Americans With Disabilities Act of 1990 (ADA) mandated complementary paratransit services on behalf of Metro and 45 other transit agencies in Los Angeles County. Access is predominantly funded with federal Regional Surface Transportation Program and Proposition C 40% Discretionary sales tax revenue funds allocated by Metro.

As required by the ADA, Access is available to individuals who are determined to be ADA eligible for trips within Los Angeles County that originate and terminate within three quarters of a mile of a fixed route bus line or rail station. Access provides service during the same hours of operations as the fixed route bus operators in Los Angeles County. Access is a shared ride service that uses a combined fleet of small buses, mini-vans and taxis.

In FY 16, Access provided more than 3.4 million trips to more than 175,000 qualified customers with disabilities in a service area of more than 1,950 square miles. Additionally, Access has a Free Fare Program that provides eligible Access customers with free boardings on most bus and rail systems within Los Angeles County.

METROLINK

Metrolink is the commuter rail system operated by the Southern California Regional Rail Authority (SCRRA), a Joint Exercise of Powers Authority, on behalf of the transportation agencies in Los Angeles, Orange, Riverside, San Bernardino and Ventura counties – the member agencies.

Spanning 534 route miles over seven lines with 59 stations, Metrolink expects to operate 171 weekday trains and 90 trains on weekends in FY17. Downtown's Los Angeles Union Station represents the destination of over 67% of all Metrolink riders. In FY16, the Metrolink system became the first commuter rail agency in the nation to initiate the operation of a Positive Train Control system across all services and began new service on the Perris Valley extension of the Metro supported 91 Line to the Inland Empire. During FY17, Metrolink will begin receipt of its fleet of new Tier IV locomotives that, when fully deployed, will reduce emissions by up to 85% over the current fleet.

Member agency contributions to Metrolink represent the net subsidy requirements of operating the system over and above all system generated revenues such as fare and freight railroad reimbursements. As the agency's largest partner, Metro provides approximately 51% of all Member Agency operating contributions to the SCRRA.

PUBLIC TRANSPORTATION SERVICES CORPORATION

Public Transportation Services Corporation (PTSC) is a nonprofit public benefit corporation. PTSC was created in December 1996 in order to transfer certain functions performed by Metro and the employees related to those functions to this new corporation.

The PTSC conducts essential public transportation activities including: planning, programming funds for transportation projects within Los Angeles County, construction, providing certain business services to the County's Service Authority for Freeway Emergencies (SAFE) and the Southern California Regional Rail Authority (SCRRA), and providing security services to the operation of the Metro bus and rail systems.

PTSC allows the employees of the corporation to participate in the California Public Employees Retirement System (PERS).

Statement of Revenues, **Expenses and Changes** in Retained Earnings for the Years Ending June 30, 2016 and 2017

PTSC (\$ IN MILLIONS)	FY16 BUDGET	FY17 ADOPTED	
Revenues Expenses Increase (decrease) in retained earnings Retained earnings - beginning of year Retained earnings - end of year	\$ 332.7 332.7 -	\$ 357.4	

EXPOSITION METRO LINE CONSTRUCTION AUTHORITY

The Exposition Metro Line Construction Authority (Expo) was created by the State Legislature under Public Utilities Code Section 132600, et seq. for the purpose of awarding and overseeing final design and construction contracts for completion of the Los Angeles-Exposition Metro Light Rail project from the Metro Rail Station at 7th Street and Flower Street in the City of Los Angeles to downtown Santa Monica.

Statement of Revenues, **Expenses and Changes** in Fund Balances for the Years Ending June 30, 2016 and 2017

EXPOSITION METRO LINE CONSTRUCTION AUTHORITY (\$ IN MILLIONS)		FY16 BUDGET		FY17 ADOPTED	
Revenues	\$	310.3	\$	157.0	
Expenses	Ψ	310.3	<u> </u>	157.0	
Net change in fund balance		-		-	
Fund Balance - beginning of year		-		_	
Fund balance - end of year	\$		\$		

SERVICE AUTHORITY FOR FREEWAY EMERGENCIES (SAFE)

The Los Angeles County Service Authority for Freeway Emergencies (SAFE) was established in Los Angeles County in 1988. SAFE is a separate legal authority created under state law and is responsible for providing motorist aid services in Los Angeles County. SAFE currently operates, manages and/or funds:

- > The Los Angeles County Kenneth Hahn Call Box System
- > 511 Mobile Call Box program
- > The Metro Freeway Service Patrol
- > The Motorist Aid and Traveler Information System (MATIS)

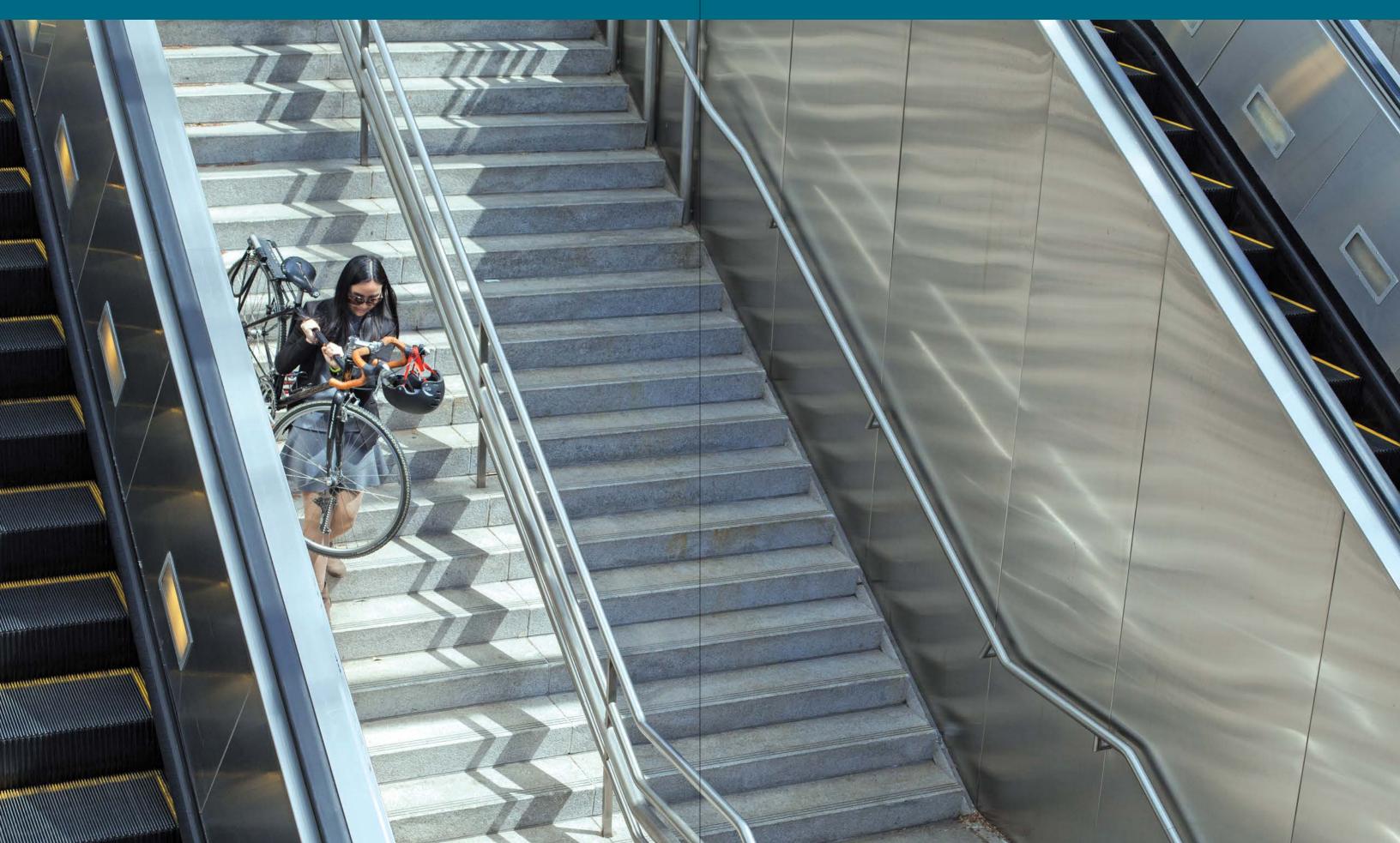
SAFE receives its funding from a dedicated \$1 surcharge assessed on each vehicle registered within Los Angeles County.

SERVICE AUTHORITY FOR FREEWAY EMERGENCIES (\$ IN MILLIONS)	FY16 BUDGET	FY17 ADOPTED
Revenues	\$ 7.6	\$ 7.6
<u>Expenditures</u>	10.3	12.9
Excess (deficiency) of revenue over expenditure	(2.7)	(5.4)
Other financing & source (uses) - transfer out	(2.0)	(1.0)
Fund balances - beginning of year	24.6	19.8
Retained Earnings - End of Year	\$ 19.8	\$ 13.5

Statement of Revenues, **Expenses and Changes** in Fund Balances for the Years Ending June 30, 2016 and 2017

Totals may not add due to rounding.

Abbreviations



406	A it is D. Louis
ABC	Activity-Based Costing Alameda Corridor East
ACE ADA	Americans with Disabilities Act
ADB	
AFSCME	All-Door Boarding
AFSCIME	American Federation of State, County and
AOMD	Municipal Employees
AQMD	Air Quality Management District
ARRA	American Recovery and Reinvestment Act
ASRS	Accelerated Regional Transportation Improvements
	Automated Storage and Retrieval System
ATC	Automatic Train Control
ATMS	Advanced Transportation Management System
ATU	Amalgamated Transit Union
ATVC	Advanced Technology Vehicle Consortium
AVTA	Antelope Valley Transportation Authority
BAB	Build America Bonds
BAD	Benefit Assessment District
BIAS	Budget Information Analysis System
BNSF	Burlington Northern Santa Fe Railway Company
ВОС	Bus Operations Control
BRT	Bus Rapid Transit
CAP	Cost Allocation Plan
ССТУ	Closed Circuit Television
CEQA	California Environmental Quality Act
CFP	Call for Projects
CIS	Customer Information System
CMAQ	Congestion Mitigation and Air Quality
СМР	Congestion Mitigation Project
CNG	Compressed Natural Gas
COG	Councils of Governments
СР	Capital Program / Capital Project
CPAS	Capital Planning and Analysis System
CP&D	Countywide Planning & Development
СРІ	Consumer Price Index
CPUC	California Public Utilities Commission
CRA	Community Redevelopment Agency
CRDP	Congestion Relief Demonstration Project
СТС	California Transportation Commission
CTSA	Consolidated Transportation Services Agency
CY	Calendar Year
DBE	Disadvantaged Business Enterprise
DEIS	Draft Environmental Impact Statement
DHS	Department of Homeland Security
DPW	Department of Public Works
DR	Demand Response
	,

EF	Enterprise Fund
EIR	Environmental Impact Report
EIS	Environmental Impact Statement
ELTP	Entry Level Training Program
EOB/RTACR	Emergency Operations Bureau / Real-Time Analysis
	& Critical Response
EMS	Environmental Management System
EXPO	Exposition Metro Line Construction Authority
ERV	Emergency Response Vehicle
FAP	Formula Allocation Procedure
FASB	Financial Accounting Standards Board
FFGA	Full Funding Grant Agreement
FFY	Federal Fiscal Year (October 1 to September 30)
FIS	Financial Information System
FSP	Freeway Service Patrol
FTA	Federal Transit Administration
FTE	Full Time Equivalent
FY	Fiscal Year
GAAP	Generally Accepted Accounting Principles
GASB	Governmental Accounting Standards Board
GF	General Fund
GIRO	Canadian Software Company
GPS	Global Positioning System
HASTUS	Transportation Scheduling Software Package
НОТ	High-Occupancy Toll Lanes
HOV	High-Occupancy Vehicle
HRV	Heavy Rail Vehicle
l	Interstate
IBT	International Brotherhood of Teamsters
IFB	Invitation for Bids
ITD	Incurred to Date
INTP	Immediate Needs Transportation Program
ITS	Information Technology Services
JARC	Job Access / Reverse Commute Grant Program
JPA	Joint Powers Authority
KPI	Key Performance Indicator
LA	Los Angeles
LACMTA	LA County Metropolitan Transportation Authority
LADOT	Los Angeles Department of Transportation
LAMPS	LA Metro Protective Services
LASD	Los Angeles Sheriffs Department
LAWA	Los Angeles World Airports
LAX	Los Angeles International Airport
LED	Light-Emitting Diode
LOP	Life of Project
	Life of Froject

LDT	Light Bail Transit
LRT	Long Panga Transportation Plan
LRTP LRV	Long Range Transportation Plan
	Light Rail Vehicle Million
M	
MAP-21	Moving Ahead for Progress in
	the 21st Century Act
MATIS	Motorist Aid and Traveler Information System
MBL	Metro Blue Line
Metro	LACMTA's Transit Operations
MGL	Metro Green Line
MGLEE	Metro Gold Line Eastside Extension
MGMT	Management
MOL	Metro Orange Line
MOW	Maintenance of Way
MR	Measure R
MRL	Metro Red Line
MTA	Metropolitan Transportation Authority
NC	Non-Contract
N/S	North/South
NTD	National Transit Database
ОСМ	Operations Capital Maintenance
OIG	Office of Inspector General
ОМВ	Office of Management & Budget
OPS	Metro Operations
PA	Proposition A
PC	Proposition C
PCI	Payment Card Industry
PEPRA	Public Employees' Pension Reform Act of 2013
PERS	California Public Employees Retirement System
PGL	Pasadena Gold Line
PL/PD	Public Liability/Property Damage
Prop 1B	State Proposition 1B Bonds
Prop A	Proposition A
Prop C	Proposition C
PTMISEA	Public Transportation Modernization, Improvement, and
	Service Enhancement Account
PTSC	Public Transportation Services Corporation
RAM	Risk Allocation Matrix
RFP	Request for Proposal
RFS	Rail Fleet Services
RIITS	Regional Integration of Intelligent Transportation Systems
RM	Revenue Mile
ROC	Rail Operations Control
RRC	Regional Rebuild Center
RRTP	Rider Relief Transportation Program

RSH	Revenue Service Hours
RSM	Revenue Service Miles
RVSH	Revenue Vehicle Service Hours
SAFE	Service Authority for Freeway Emergencies
SAFETEA-LU	Safe, Accountable, Flexible, Efficient Transportation Equity
	Act: A Legacy for Users
SBE	State Board of Equalization
	Small Business Enterprise
SCADA	Supervisory Control and Data Acquisition System
SCAG	Southern California Association of Governments
SCRIP	Southern California Regional Inter-Connectivity Program
SCRRA	Southern California Regional Rail Authority
SFV	San Fernando Valley
SHORE	Support for Homeless Re-Entry Program
SGR	State of Good Repair
SMART	Sheet Metal, Air, Rail & Transportation workers, merger
	between United Transportation Union (UTU) and Sheet
	Metal Workers' International Association (SMWIA)
SR	State Route
SRF	Special Revenue Fund
SRTP	Short Range Transportation Plan
STA	State Transit Assistance Fund
STIP	State Transportation Improvement Program
TA	Transit Authority
TAP	Transit Access Pass
TBD	To Be Determined
TCU	Transportation Communications Union
TDA	Transportation Development Act
TE	Transportation Enhancement Act
TDM	Transportation Demand Management
TIFIA	Transportation Infrastructure Finance & Innovation Act
TIP	Transportation Improvement Program
TOAST	Transit Operator Activity Scheduling & Tracking System
TOD	Transit Oriented Development
TPIS	Transit Passenger Information System
UFS	Universal Fare System
UPS	Uninterruptible Power Supply
USDOT	United States Department of Transportation
USG	Union Station Gateway
UTU	Former United Transportation Union now SMART, after
	merger with Sheet Metal Workers' International Association
	(SMWIA)
WESS	Wayside Energy Storage Substation
WIDS	Wayside Intrusion Detection System



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