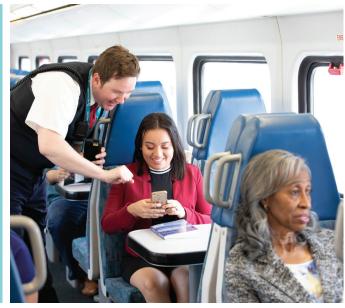




METROLINK

## FISCAL YEAR 2019-2020 ADOPTED BUDGET

CREATE VALUE, EXCEED EXPECTATIONS





### SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY

## FISCAL YEAR 2019-20 BUDGET

Including Forecast for FY2020-21 thru FY2023-24

### Adopted June 28, 2019

Los Angeles County Metropolitan Transportation Authority

**Orange County Transportation Authority** 

Riverside County Transportation Commission

San Bernardino County Transportation Authority

Ventura County Transportation Commission

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#### **SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY**

#### **FY2019-20 BUDGET**

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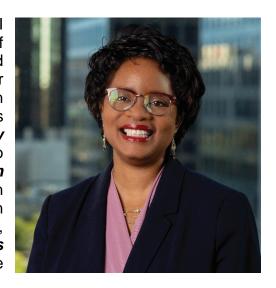
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#### CREATE VALUE, EXCEED EXPECTATIONS

When I joined Metrolink in January of 2019, I outlined a vision to the agency's Board of Directors, employees and riders. I committed to focus on our customers by putting their experience at the forefront of every decision we make. Putting the customer first means that we continue to keep safety and security as the foundation of our operations. It also means that we create an integrated system that allows riders to skip traffic, take the train and connect to other forms of transportation that gets them to their destination. Finally, Metrolink will modernize its business practices so that we ensure a sustainable future for our customers.



This budget is much more than numbers. This budget is the key to Metrolink's future as a *customer-focused rail transportation provider*. It provides the resources that enable the Metrolink team to execute on the Board of Directors' *strategic priorities* as well as my *vision* to create a regional transportation system that the customers enjoy. It represents *partnership* as five transportation authorities across the region provided input, buy-in and, ultimately, approval before this budget was finalized. This budget document includes funding to make Metrolink Leadership's *commitment a reality*. Here's how:

#### SAFETY REMAINS FOUNDATIONAL

Metrolink was one of four rail providers in the nation that met the Positive Train Control (PTC) deadline in December of 2018. Metrolink is now sharing information and lessons learned to support others in their development of PTC. At the same time, Metrolink is looking forward to what can be achieved with the evolution of this life-saving technology in the creation of PTC 2.0.

#### NO FARE INCREASE

Metrolink has not increased fares in six years. This budget does not rely on a fare increase. In fact, this budget continues to fund the subsidy that enables discounts on the San Bernardino Line and the Perris Valley extension of the 91/Perris Valley Line.

#### **NEW SERVICE**

Back by popular demand. Metrolink will re-introduce weekend service on the Ventura County Line for a limited time this year. We will also add new service on the Perris Valley and Orange County lines – including later evening trips.

#### LOYALTY PROGRAM

We want to let our riders know how much we value them. We are going to introduce a loyalty program that provides discounts to Metrolink and other partners to attract and retain riders.

#### PORTER PROGRAM

Cleanliness on the trains is an important factor in providing a quality customer experience. This program promotes an enjoyable commute by having dedicated team members on board trains across the system to enhance the rider experience.

#### OPERATIONAL EXCELLENCE PROGRAM

This program engages Metrolink employees to identify ways to streamline processes internally and provide the best experience possible for the rider. The budget includes funding to implement these ideas.

Additionally, the budget continues to fund and build on some of the riders' favorite programs, such as the *Rail2Rail* program, which allows Metrolink riders to take the Pacific Surfliner trains when it is convenient for the rider. This budget also contains significant expenditures to keep the system and equipment safe and reliable.

I am thankful to the Board of Directors, Member Agencies and Metrolink staff who supported the development and approval of this budget. I am excited about the enhanced service this budget will allow Metrolink to provide to our riders.

Sincerely,

Metrolink CEO, Stephanie N. Wiggins





## SECTION 1 EXECUTIVE SUMMARY

#### SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY

#### **FY2019-20 BUDGET**

**SECTION 1: Executive Summary** 

#### 1.1 Introduction

In its 27<sup>th</sup> year of operation, the Southern California Regional Rail Authority (SCRRA), operating as Metrolink, is Southern California's only inter-county commuter rail provider, furnishing transportation services for over 12.5 million passenger rides per year. As the second largest transit provider in terms of passenger miles, Metrolink has one of the lowest subsidies per passenger mile of all major transit operators in Southern California. Metrolink service reduces car congestion at a fraction of the cost of expanding highways, removing approximately 8.6 million annual auto trips from our local roadways.

For over two decades, SCRRA has enhanced the quality of life in Southern California by reducing highway congestion and improving mobility throughout the region. Metrolink is governed by SCRRA, a Joint Powers Authority (JPA) made up of an 11-member board representing the transportation commissions of Los Angeles, Orange, Riverside, San Bernardino and Ventura counties. At a time when public transportation providers across the region and country continue to experience steep declines, demand for Metrolink continues to grow.

#### 1.2 Metrolink in Perspective

#### Service

- Metrolink is the nation's third largest commuter rail system, with 409 unduplicated route miles.
- Metrolink is the largest transportation provider for inter-county travel in Southern California. Metrolink service encompasses 2.9 million train miles annually.
- Metrolink is the second largest transit provider in Southern California, in terms of passenger miles, servicing more than 406 million passenger miles annually.
- Each weekday, Metrolink riders travel more than 1.4 million miles, enough to cover three roundtrips to the moon.
- 82% of Metrolink weekday trips are work related.
- 64% of Metrolink riders travel across county lines connoting a truly regional system.
- 61% of all Metrolink boardings are in Los Angeles County.

 Metrolink trains reduce directional peak hour traffic volumes by up to 28% on parallel freeways.

#### **Cost Efficiency**

- Metrolink's FY2017-18 revenue recovery ratio was 42.1%, one of the highest of any major transit system in Southern California.
- Metrolink continues to have one of the lowest subsidies per passenger mile among major transit operators in Southern California.

#### **Regional Benefits**

- 85% of Metrolink weekday riders have access to a car. However, by taking Metrolink, they help the region avoid the following in FY2017-18:
  - 8.6 million car trips annually
  - 305 million vehicle miles traveled (VMT) annually
  - 117,959 metric tons of greenhouse gas (GHG) emissions

#### **Performance Statistics by County**

| ORIGIN COUNTY   | METRO   | OCTA    | RCTC    | SBCTA   | VCTC    | TOTAL   |
|---|---------|---------|---------|---------|---------|---------|
| Metrolink Passenger Miles (000's) (1)                                 | 263,762 | 84,741  | 24,125  | 27,074  | 5,900   | 405,602 |
| Metrolink Passenger Miles %   | 65%     | 21%     | 6%      | 7%      | 1%      | 100%    |
| Metrolink Subsidy per Passenger Mile (2)                              | \$ 0.26 | \$ 0.31 | \$ 0.68 | \$ 0.53 | \$ 1.56 | \$ 0.33 |
| Car trips avoided (000's) (3)   | 3,192   | 1,836   | 1,596   | 1,717   | 259     | 8,600   |
| VMT avoided (000's) (3)   | 198,093 | 63,643  | 18,119  | 20,333  | 4,431   | 304,619 |
| GHG, metric tons <sup>(4)</sup>                                       | 76,708  | 24,645  | 7,016   | 7,874   | 1,716   | 117,959 |
| Metrolink ridership as Peak Hr Lane Capacity on parallel freeways (5) | 1.1     | 0.9     | 1.2     | 0.6     | 0.2     | n/a     |
| Directional Peak Hr Volume relief on parallel freeways (5)            | 24%     | 28%     | 16%     | 6%      | 5%      | n/a     |

#### NOTES:

- (1) FY2017-18 Actual. Passenger Miles in San Diego County are included for Orange County
- (2) FY2017-18 Actual
- (3) Assumptions: Percent of all riders with car available. Average vehicle occupancy: 1.1
- (4) GHG expressed in CO2 equivalents (https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator)
- (5) Compared to traffic counts at selected Caltrans freeway postmiles, October 2017

#### 1.3 Metrolink in Comparison

|   | Average<br>trip length<br>(miles) | venue<br>er trip | pass | venue<br>ber<br>senger<br>nile | (  | perating<br>cost per<br>assenger<br>mile | pas | sidy per<br>ssenger<br>mile | ре | evenue<br>er train<br>mile | c  | perating<br>ost per<br>ain mile | Farebox<br>recovery<br>ratio |
|---|-----------------------------------|------------------|------|--------------------------------|----|--|-----|-----------------------------|----|----------------------------|----|---------------------------------|------------------------------|
| COMMUTER RAIL   |                                   |                  |      |                                |    |  |     |                             |    |                            |    |                                 |                              |
| METROLINK   | 33.0                              | \$<br>5.79       | \$   | 0.20                           | \$ | 0.53                                     | \$  | 0.33                        | \$ | 29.61                      | \$ | 78.84                           | 37.6%                        |
| Maryland Transit Administration: MARC Train                 | 29.6                              | \$<br>5.71       | \$   | 0.19                           | \$ | 0.52                                     | \$  | 0.33                        | \$ | 40.53                      | \$ | 109.90                          | 36.9%                        |
| Massachusetts Bay Transportation<br>Authority: MBTA         | 20.5                              | \$<br>6.43       | \$   | 0.31                           | \$ | 0.57                                     | \$  | 0.26                        | \$ | 45.10                      | \$ | 82.41                           | 54.7%                        |
| Metro North (New York)                                      | 26.3                              | \$<br>8.54       | \$   | 0.32                           | \$ | 0.54                                     | \$  | 0.22                        | \$ | 68.77                      | \$ | 113.80                          | 60.4%                        |
| METRA   | 22.3                              | \$<br>5.03       | \$   | 0.23                           | \$ | 0.47                                     | \$  | 0.24                        | \$ | 49.33                      | \$ | 103.14                          | 47.8%                        |
| CALTRAIN  | 21.8                              | \$<br>4.96       | \$   | 0.23                           | \$ | 0.31                                     | \$  | 0.08                        | \$ | 66.46                      | \$ | 91.55                           | 72.6%                        |
| SEPTA   | 12.8                              | \$<br>4.12       | \$   | 0.32                           | \$ | 0.63                                     | \$  | 0.31                        | \$ | 25.97                      | \$ | 51.13                           | 50.8%                        |
| Virginia Railway Express                                    | 30.7                              | \$<br>9.04       | \$   | 0.29                           | \$ | 0.52                                     | \$  | 0.23                        | \$ | 104.54                     | \$ | 182.91                          | 57.2%                        |
| LOCAL TRANSIT AGENCY  |                                   |                  |      |                                |    |  |     |                             |    |                            |    |                                 |                              |
| Los Angeles County Metropolitan<br>Transportation Authority | 5.1                               | \$<br>1.25       | \$   | 0.16                           | \$ | 0.66                                     | \$  | 0.50                        | \$ | 2.61                       | \$ | 13.60                           | 30.2%                        |
| Riverside Transit Agency: RTA                               | 7.1                               | \$<br>2.65       | \$   | 0.17                           | \$ | 1.55                                     | \$  | 1.39                        | \$ | 0.65                       | \$ | 4.50                            | 13.7%                        |
| OMNITRANS   | 5.4                               | \$<br>1.96       | \$   | 0.20                           | \$ | 2.81                                     | \$  | 2.60                        | \$ | 1.02                       | \$ | 6.20                            | 12.3%                        |
| Orange County Transportation Authority                      | 4.8                               | \$<br>2.41       | \$   | 0.25                           | \$ | 1.81                                     | \$  | 1.56                        | \$ | 1.11                       | \$ | 5.87                            | 23.7%                        |

Source: 2017 National Transit Database

Metrolink compares favorably with other forms of Southern California mass transit, as well as with some of the largest commuter rail organizations in the nation. As shown in the chart above, Metrolink's operating cost per train mile and per passenger mile is lower than many of the largest rail lines.

While maintaining this level of performance, Metrolink works continuously to achieve new goals and meet new challenges to better serve our customers and the community. Metrolink brings leading-edge technology to the service of our customers, increasing convenience and safety.

#### 1.4 Accomplishments in FY2018-19

Below are highlights of Metrolink accomplishments during FY2018-19:

- The restoration of four platform canopies at Union Station was completed.
- Friday late-night service was added on the San Bernardino line to accommodate and enhance passenger leisure activities.
- Metrolink has received 23 new Tier 4 locomotives, which are being phased into service. The Tier 4 technology removes particulate matter and NOx emissions by 85% compared to our legacy locomotives with Tier 0 technology.

- Positive Train Control (PTC) is the centerpiece of Metrolink's unwavering commitment to safety, providing protective collision avoidance, prevents work zone incursion, switch misalignment detection, and overspeed prevention. Metrolink was the first commuter railroad in the nation to complete implementation of PTC and the first to achieve interoperability with BNSF, UPRR, Amtrak, and NCTD.
- A Metrolink pilot program providing a 25% discount on the San Bernardino line to increase ridership became part of the regular fare structure.
- The Metrolink Marketing Department yet again garnered AdWheel (APTA) Awards. In 2018, the wins were:

```
    1st Place – Festival of Lights Special Train (Special Service)
    1st Place – LA County Fair Special Service (Shoestring Tactic)
```

- Grant activity in FY2018-19 lead to the acquisition of \$143.7 million in new grants. When Metrolink is awarded competitive and formula grants directly, critical projects that could not have otherwise been funded can be implemented.
- Completed a review of our current use of technology to identify areas for modernization.
- Contracted for a \$70 million complete refurbishment of over 50 passenger cars.

#### 1.5 Objectives for FY2019-20

The FY2019-20 Budget reflects objectives and priorities consistent with the Authority's vision to improve the customer experience. The budget provides funding in alignment with the Authority's board approved strategic priorities for the upcoming fiscal year and the strategic goals those activities support:

- Goal #1: Ensure a Safe Operating Environment.
  - Continue emphasis on safe operations, with the upgraded operation of PTC as the centerpiece of our efforts.
- Goal #2: Maintain Fiscal Sustainability.
  - Complete steps to identify the benefits of a consolidated contracted service base for Railroad Operations.

- Goal #3: Invest in People and Assets.
  - ➤ Enhance rider experience through a \$70 million rehabilitation of Passenger Cars.
  - Implementation of modernized ticket vending system.
  - Implement technology improvements determined in the FY2018-19 study.
- Goal #4: Retain and Grow Ridership.
  - Add new service on four out of seven lines to provide more options and convenience to our customers.
  - ➤ The establishment of a Customer Loyalty Program to reward our most steadfast passengers.
- Goal #6 Improve Communications to Customers and Stakeholders.
  - Initiate a method of communication with our passengers to learn how we can serve them better.

Anticipated completion of key projects:

| Van Nuys Station Center Platform      | \$30.6 million |
|---------------------------------------|----------------|
| PTC Interoperability                  | 3.0 million    |
| Central Maintenance Facility North    |                |
| End Connection & Tail Track Design    | 2.0 million    |
| Systemwide New Ticket Vending Devices | 22.9 million   |

#### 1.6 FY2019-20 Budget in Brief

The FY2019-20 Operating Budget of \$262.9 million is an increase of 4.6% from the FY2018-19 Operating Budget. Total SCRRA revenues are \$105.4 million, 4.6% more than the FY2018-19 Budget. Member Agency subsidies are \$157.4 million, an increase of \$6.9 million, or 4.6%, over the FY2018-19 Budget.

The Capital Program provides an additional \$70.3 million in funding authorization: \$63.7 million in new authority for Rehabilitation projects and \$6.5 million in new authority for New Capital projects. While Member Agencies will provide \$63.7 million in funding for Rehabilitation projects, their share for the New Capital request is \$3.0 million; a grant direct to Metrolink was identified to cover the funding for \$3.5 million.

#### 1.7 Key FY2019-20 Budget Information

SCRRA is a JPA created to plan, design, build and operate the Metrolink commuter rail service in the Southern California region. In FY2019-20, Metrolink will provide service on seven routes to 62 stations with over 536 route miles. The system map is provided as *Exhibit 1.1*.

During FY2019-20, Metrolink will operate 175 weekday trains and 92 weekend trains. Average daily weekday one-way ridership is projected at 45,418. Additionally, we estimate 21,961 riders will take advantage of Saturday and Sunday services offered on the Antelope Valley, Inland Empire-Orange County, Orange County, 91/PVL, and San Bernardino lines.

Metrolink operates approximately 75% of Member Agency-owned territory. SCRRA will dispatch 175 Metrolink trains and up to 34 Amtrak and 60 freight trains per day. Metrolink is also responsible for the maintenance of right-of-way owned by SCRRA Member Agencies that span 398 track miles.

SCRRA's Capital Program includes ongoing rehabilitation of right-of-way, facilities, equipment and rolling stock, and expansion of the commuter rail system through the acquisition and construction of new assets.

#### 1.8 The FY2019-20 Operational Budget Statistics

- Operating Expenses per train mile is \$88.61, excluding Maintenance-of-Way (MOW) extraordinary maintenance (0.4% increase from the FY2018-19 Budget).
- Operating Subsidy per passenger mile equals \$0.35 (less than 1% increase from the FY2018-19 Budget).
- Operating Expenses per passenger mile is \$0.59 (a 0.8% increase from the FY2018-19 Budget).
- Total operating revenue recovery is projected to equal 40.1% (a 0.1% decrease from the FY2018-19 Budget).
- Farebox recovery is projected at 34.3% (a 0.4% increase from the FY2018-19 Budget).
- Member Agency subsidies are estimated to provide 59.9% of the required Operating Revenues in FY2019-20.
- Diesel fuel costs will continue to be managed using a fuel hedging program which is designed to stabilize the fuel budget and minimize large year-overyear variances.

#### 1.9 Administrative Requirements

Under the terms of the JPA establishing SCRRA, the Chief Executive Officer submits a Preliminary Fiscal Year Budget for the following fiscal year to the SCRRA Board for transmittal to Member Agencies no later than May 1 of each year. The Preliminary Budget includes projected Authority revenues, administrative and operating costs, and capital program. The net of operating revenues and expenses represent the anticipated Member Agency subsidies required to carry out the purposes of the Authority. Decisions involving capital,

operating fund allocations, and annual approval of each Member Agency's share of SCRRA's annual budget, require approval by the Member Agencies.

The SCRRA Board approved the transmittal of the FY2019-20 Proposed Budget on April 26, 2019, and the document was transmitted to the Member Agencies on May 1, 2019. The FY2019-20 Budget was adopted by the SCRRA Board on June 28, 2019.

#### 1.10 Budget Development and Assumptions

The development of SCRRA's FY2019-20 Budget was based on revenues, operating costs, and capital investment required to provide a safe, efficient and reliable commuter rail operation, while fulfilling the objectives of the Authority.

The SCRRA budget is made up of two principal components:

- Operating Budget (Train Operations, MOW, and Insurance) and,
- Capital Program (Rehabilitation Projects and New Capital Projects).

Funding for these costs is derived from SCRRA fare revenue and other income, with the balance provided by grants and subsidies provided by the five Member Agencies and grants awarded directly to SCRRA. Under the terms of the JPA, each Member Agency approves its individual Operating and Capital subsidies for the upcoming fiscal year. These subsidies are based on a series of formulated board approved allocations that distribute revenue and costs across operating line segments and Member Agencies.

#### 1.11 Summary of Operating Revenues and Subsidy Funding

SCRRA generates Operating Revenue from four sources: Fare, Dispatching, MOW, and Other Revenue.

Fare Revenues – The FY2019-20 Budget assumes annual ridership of 12.9 million passengers will generate Fare Revenues equal to \$90.0 million, an increase of \$4.3 million, or 5.1%, from the FY2018-19 Budget. The Fare Revenues include revenue from new services of \$1.5 million. The FY2019-20 Budget includes a continued 25% fare reduction on the San Bernardino Line funded by Metro and SBCTA. Projections of Fare Revenues also include \$0.2 million generated by Special Trains.

Dispatching Revenue – SCRRA provides dispatching services to freight railroads and Amtrak Intercity operating on the rights-of-way which SCRRA administers. These revenues are volume-based, and individual rates are contained in existing agreements that govern rate increases. The total Dispatching Revenues are budgeted at \$2.2 million, an increase of 2.5% from the FY2018-19 Budget.

MOW Revenue – As the operating administrator of its member-owned rights-of-way, SCRRA receives revenues from freight railroads and Amtrak Intercity Services for their right to operate in its territories. Member Agency subsidies for ordinary maintenance are partially offset by revenues received from freight railroads and Amtrak Intercity Services. Most of the MOW revenue rates were negotiated based on the historical expenditures on MOW by freight railroads prior to the purchase of these right-of-way properties by the Member Agencies. Consequently, these revenue rates do not completely offset the escalating costs of maintaining a higher standard of quality for passenger rail service. The FY2019-20 Budget projects MOW Revenues at \$13.0 million which is \$0.5 million, or 3.6%, greater than the FY2018-19 Budget. The increase is primarily related to revenue from additional crossings.

Other Revenues – For FY2019-20, total budgeted amount for Other Revenues is \$0.3 million. SCRRA will continue to offer advertising space on Metrolink trains to select organizations and have budgeted \$0.05 million for FY2019-20. Non-refundable amounts for Third-Party Agreement (TPA) earnings for \$0.05 million are included, and citations, Los Angeles World Airports (LAWA) commission, interest, and miscellaneous revenues combine for a total of \$0.2 million.

#### 1.12 Summary of Operating Expenses

In FY2019-20, SCRRA's Operating Expenses include Train Operations, MOW and Insurance. The combined total expense for the FY2019-20 Budget is \$262.9 million.

Train Operations – A variety of expenses are included in the broad category of Train Operations. These include: operating crews. dispatching. equipment maintenance, fuel, non-scheduled rolling stock repairs, operating facilities maintenance, rolling stock lease payments, sheriffs and security guards, public safety programs, passenger relations, Ticket Vending Machine maintenance, revenue collection, marketing and market research, media/external relations, utilities and leases, passenger transfers to other operators, Rail2Rail program, station maintenance, freight rail agreements, and general administrative costs that support the Authority's operation. Total Train Operations costs are \$201.7 million, a 4.3% increase over the FY2018-19 Budget.

*MOW* – Ordinary and extraordinary maintenance of Member Agency-owned track, signals, bridges, road crossings, other elements of the infrastructure, and right-of-way totals \$47.0 million. This is a 13.7% increase from the FY2018-19 Budget.

Insurance and Legal – Insurance and Legal expenses of \$14.2 million are a decrease of \$2.5 million, or 14.9%, from the FY2018-19 Budget.

#### 1.13 Summary of Capital Program

The purpose of the Capital Program is to ensure safe and reliable train operations, maintain a State of Good Repair (SOGR) and provide continued investment in our identified backlog of prior years' Deferred Maintenance as identified in the Metrolink Rehabilitation Plan (MRP).

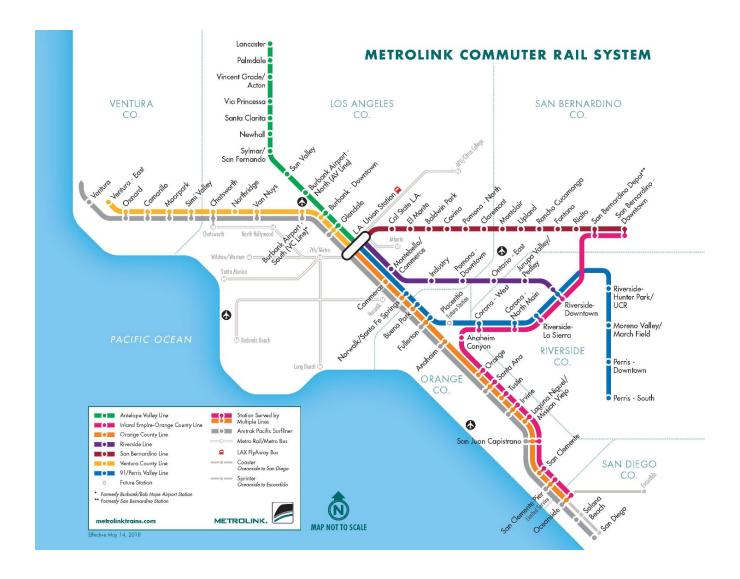
Rehabilitation projects within the program renovate or remanufacture wornout assets to preserve and/or extend the useful life of the asset. New Capital projects expand the railroad infrastructure, and include items such as sidings, additional track, material upgrades of the signals and communication systems and new rolling stock.

SCRRA's overall FY2019-20 Capital Program Budget request totals The Capital Program Budget contains a \$281.1 million \$507.4 million. Rehabilitation component, which includes \$63.7 million of New Authority and \$159.3 million of Member Agencies share for the Rehabilitation of projects approved and carried over from prior years (Carryover), and \$58.0 million of Other funding sources for Carryover. Total request for New Capital is \$226.3 million. This includes the FY2019-20 request for additional New Capital authority of \$6.5 million, of which \$3.0 million is Member Agency funded, and \$3.5 million is funded by Other sources. New Capital component also includes \$219.8 million in Carryover from prior years, including the Member Agencies share for the New Capital Carryover of \$36.0 million, while Other funding sources cover \$183.8 million. Section 7 of this budget document contains a detailed listing of the individual projects which these amounts represent.

#### 1.14 Exhibits

#### Exhibit 1.1: Metrolink Systemwide Map

This exhibit shows the six counties served. It displays Metrolink stations, *Rail2Rail* stations shared by Metrolink and Amtrak, as well as Union Station, which is shared by Metrolink, Amtrak and Metro.





### SECTION 2

## INTRODUCTION TO THE BUDGET

#### SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY

#### **FY2019-20 BUDGET**

**SECTION 2: Introduction to the Budget** 

#### 2.1 Mission Statement

Our mission is to provide safe, efficient, dependable and on-time transportation service that offers an outstanding customer experience and enhances quality of life.

Metrolink is a premier regional rail system that links passengers to employment and activity centers. Metrolink accomplishes its mission by putting the Customer First. Metrolink is proud to provide affordable, dependable, and high-quality service to its' customers. Metrolink employs state-of-the-art safety operations technology for which it is known throughout the country. Metrolink's strategically located network of lines and stations, and connection with other modes of transit, provide the most cost-effective method of removing cars from the Southern California freeway system. Metrolink strives for an integrated system that operates using modern business practices. Metrolink embraces community involvement and partnerships with both public and private sectors.

#### 2.2 Board Governance

The SCRRA Board Roster, as of June 30, 2019, consists of 11 voting members and 11 alternates:

| County                | County Votes Members |  | Alternates   |  |
|-----------------------|----------------------|--|--|--|
| Ventura County        | 1                    | Brian Humphrey (Chair)<br>Citizen Representative<br>VCTC Board                                     | Vacant   |  |
| Los Angeles<br>County | 4                    | Ara Najarian (Vice-<br>Chair)<br>Mayor<br>City of Glendale<br>Metro Board                          | Walter Allen, III<br>Council Member<br>City of Covina<br>Metro Appointee |  |
|                       |                      | Kathryn Barger<br>Supervisor, 5 <sup>th</sup> District<br>County of Los Angeles<br>Metro Board     | Roxana Martinez<br>Metro Appointee                                       |  |
|                       |                      | Paul Krekorian<br>Councilmember, 2 <sup>nd</sup><br>District<br>City of Los Angeles<br>Metro Board | Pam O'Connor<br>Metro Appointee  |  |
|                       |                      | Hilda Solis<br>Supervisor, 1 <sup>st</sup> District<br>County of Los Angeles<br>Metro Board        | Paul Philips<br>Metro Appointee  |  |
|                       |                      |  |  |  |

| County                   | Votes | Members   | Alternates   |
|--------------------------|-------|---|--|
| San Bernardino<br>County | 2     | Larry McCallon <i>(2<sup>nd</sup> Vice-Chair)</i> Mayor Pro Tem City of Highland SBCTA Board  | Javier "John" Dutrey <sup>(1)</sup><br>Mayor<br>City of Montclair<br>SBCTA Board   |
|                          |       | Alan D. Wapner<br>Council Member<br>City of Ontario<br>SBCTA Board  | Ray Marquez <sup>1</sup> Council Member City of Chino Hills SBCTA Board  |
| Orange County            | 2     | Andrew Do Supervisor, 1 <sup>st</sup> District County of Orange OCTA Board  Gregory T. Winterbottom Public Member OCTA Board                  | Doug Chaffee (1) Supervisor, 4 <sup>th</sup> District County of Orange OCTA Board  Joseph Muller (1) Mayor City of Dana Point OCTA Board |
| Riverside<br>County      | 2     | Andrew Kotyuk Mayor Pro Tem City of San Jacinto RCTC Board  Karen Spiegel Supervisor, 2 <sup>nd</sup> District County of Riverside RCTC Board | Brian Berkson <sup>(1)</sup> Mayor City of Jurupa Valley RCTC Board  Vacant <sup>1</sup>   |

#### Ex-officio members of SCRRA:

| Agency   | Ex – Officio Members   |  |  |
|--|--|--|--|
| Southern California Association of Governments (SCAG)        | Art Brown<br>Council Member, City of Buena Park  |  |  |
| San Diego Association of Governments (SANDAG)                | Currently awaiting appointment Contact: Linda Culp Principal Planner – Rail  |  |  |
| State of California: Department of Transportation (Caltrans) | John Bulinski District Director, Caltrans District 7  Alternate: Paul Marquez Deputy District Director for Planning – Caltrans, District 7 |  |  |

<sup>(1)</sup> Alternates represent either member

SCRRA has organized the Authority into cost centers under business units to support core functionalities, institute best practices and increase overall efficiency. These business units include:

- Executive Office
- Customer Experience
- Finance
- Human Resources
- Internal Audit
- Legal
- Marketing and Communications
- Operations Office
- Program Delivery
- Safety, Security and Compliance
- Strategy

The FY2019-20 Budget includes 280 authorized positions, an addition of 5 positions from the FY2018-19 Budget.

#### 2.3 SCRRA Background

In June 1990, the California Legislature enacted Senate Bill 1402, Chapter 4 of Division 12 of the Public Utilities Code. This bill required each transportation commission of the counties of Los Angeles, Orange, Riverside, San Bernardino, and Ventura to jointly develop a plan for regional transit services within the multicounty region.

In August 1991, the SCRRA, a regional Joint Powers Authority (JPA), was formed. Voting members with their respective number of votes are: Los Angeles County Metropolitan Transportation Authority (Metro), four votes; Orange County Transportation Authority (OCTA), two votes; Riverside County Transportation Commission (RCTC), two votes; San Bernardino County Transportation Authority (SBCTA), two votes; and Ventura County Transportation Commission (VCTC), one vote. These five-county transportation commissions are defined as SCRRA's Member Agencies. Ex-officio members of SCRRA include the Southern California Association of Governments (SCAG), the San Diego Association of Governments (SANDAG) and the State of California Department of Transportation (Caltrans).

The purpose of the newly formed SCRRA was to plan, design, construct and administer the operation of regional passenger rail lines serving the counties of Los Angeles, Orange, Riverside, San Bernardino and Ventura. SCRRA named the regional commuter rail system "Metrolink". Metrolink has grown from just three lines in 1992 to seven lines today. The first three lines - San Bernardino, Santa Clarita (now Antelope Valley) and Ventura County - began operation in October 1992. The Riverside Line was added in June 1993, and the Orange County Line (which extends 19 miles into northern San Diego County) was added in April 1994. The sixth line, Inland Empire-Orange County, the nation's first suburb-to-suburb commuter rail line, was added in October 1995. In May of 2002, the 91 Line was added to provide an alternative to Inland Empire and western Orange County commuters traveling through Fullerton. In June 2016, the 91 Line was extended to Perris Valley to provide service to an additional section of the Inland Empire.

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# SECTION 3 BUDGET SUMMARY

#### SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY

#### **FY2019-20 BUDGET**

**SECTION 3: Budget Summary** 

#### 3.1 Budget Policy

#### 3.1.1 Budget Authorization

The primary objective of the SCRRA Budget is to provide the financial road map to achieve the Authority's priorities and objectives as presented in the SCRRA 10-Year Strategic Plan. The objective is also consistent with the Authority's vision of the central focus of Customer-First, supported by the pillars of Safety and Security, an Integrated System, and Modernized Business Practices. The Operating Budget provides funds to enable the provision of such rail service and the associated administrative functions to manage that service, for the period of a single fiscal year. The Capital Program budget approves multi-year individual projects that may proceed within the approved funding level.

As specified in the Joint Exercise of Powers Agreement, the Governing Board of the Authority shall adopt a final budget no later than June 30 of each year. The fiscal year shall be July 1 of each year and including the following June 30.

The FY2019-20 Proposed Budget was offered for adoption by the SCRRA Board on June 28, 2019.

Consistent with Best Practice, our Budget Document contains a financial plan that includes the following:

- Goals and objectives for the new fiscal year
- Assumptions underlying revenue and expense projections
- Planned service for the following fiscal year
- Summarized Revenue Budget
- Summarized Operating Expense Budget
- Revenue sources by line item
- Expenses by summary line item
- Planned Capital Program
- Authorized headcount roster

In adopting the budget and any Board-initiated amendments, the Board authorizes SCRRA to expend funds under the direction of the Chief Executive Officer consistent with the following:

- Total amount appropriated for Train Operations, Maintenance-of-Way (MOW) and Insurance
- Total amount appropriated for each Rehabilitation and New Capital project
- Individual Member Agency funding commitments
- Total number of authorized positions

#### 3.1.2 Budgetary Control and Reporting

SCRRA establishes budget control and appropriates funds through the formal adoption of the budget by the SCRRA Board. This authorization is provided on an annual basis.

By adopting an annual budget, the SCRRA Board delegates to the Chief Executive Officer the authority to manage the annual budget within the total monetary parameters of the approved budget, using executive discretion as to the reallocation of resources in response to changed conditions. A more detailed explanation of SCRRA's Budget Control and Reporting is found in Board Approved Finance Policy 1.2. This policy detail the budget transfer process for both the operating and capital program, the budget amendment process, budget authorization/carryforward as well as reporting.

The SCCRA Board delegates to the Chief Executive Officer the authority to approve budget transfers within the adopted Operating Budget that do not increase the Operating Subsidy of any Member Agency.

The SCCRA Board delegates to the Chief Executive Officer the authority to approve transfers within the adopted Capital Program that are in compliance with funding requirements and that do not increase the funding requirements of any Member Agency, with the concurrence of the affected Member Agency(s).

SCRRA Board approval of a budget amendment is required in the case of the following scenarios:

- A change to the Budget that requires additional funding from one or more Member Agencies.
- A change to the Budget that requires additional funding provided by a Grant or Third-Party Agreement.
- A change to the Budget for specific expenditures(s) with funding provided by carryover of the same unexpended budget (i.e. Fuel, Marketing, etc.).
- A change to the Budget with funding provided by carryforward of operating surplus.

The SCRRA Board, by approving a Budget Amendment, amends the Adopted Budget for the fiscal year. Budget Amendments that require an increase in a Member Agency's funding commitment additionally requires the approval of that Member Agency.

Budget authorization for unexpended operating budget expires at the end of each fiscal year, June 30, unless approved by the SCRRA Board for carryforward. Budget authorization for capital projects are carried forward as part of SCRRA Board's adoption of the annual budget.

The Adopted Budget, or subsequently Amended Adopted Budget, as adjusted during the fiscal year through authorized budget transfers becomes the baseline for all comparisons to actual revenue and expenditures during a fiscal year. Operational Statements with accompanying reports, comparing adjusted budgets to actual for the year-to-date are presented to the SCRRA Board each quarter. Forecasts through the end of the current fiscal year are provided to the SCRRA Board with the reporting of actual operating results for the third quarter. Internal monthly operating performance review, periodic forecasting and the year-end preparation of the Comprehensive Annual Financial Report (CAFR) also provide tools for managing and reporting Authority activities compared to the budget plan.

# 3.1.3 Accounting Methodology

SCRRA reports its financial position and activities as a special-purpose governmental entity engaged in business-type activities and presents financial statements required for enterprise funds. The accrual basis of accounting is utilized. Under this method, revenues are recorded when earned and expenses are recorded at the time liabilities are incurred.

SCRRA, as part of its implementation of Government Accounting Standards Board Pronouncement 34 (GASB-34), has elected to use the Modified Approach for the Metrolink Railroad Infrastructure. Under the Modified Approach, infrastructure assets that are part of a network, or subsystem of a network, are not required to be depreciated as long as two requirements are met:

- The government manages the eligible infrastructure assets using a qualified asset management system.
- 2. The government documents that the eligible infrastructure assets are being preserved approximately at (or above) a condition level established and disclosed by the government.

# Condition Assessment Data

Governmental accounting standards require that a condition assessment be performed on all infrastructure assets every three years. As an approved alternative to conducting a system-wide assessment every three years, SCRRA has chosen to create a Metrolink Rehabilitation Plan (MRP) that thoroughly

assesses the condition of SCRRA's key infrastructure assets. The MRP provides a "boots on the ground" approach to the scope and associated costs for both the current backlog and annual costs required to keep the railroad infrastructure at a State of Good Repair (SOGR).

# 3.1.4 Budget Assumptions / New in FY2019-20

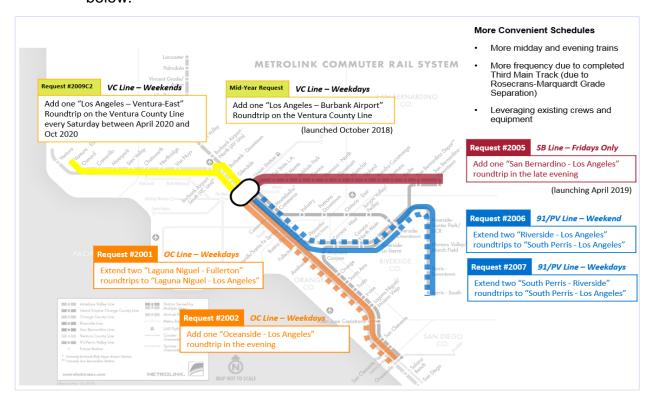
- Assumptions
  - No fare increase is included in the FY2019-20 Budget.
  - Budget Approach: The approach for budgeting was a zero base.
     Each item submitted for inclusion in the FY2019-20 Budget required specific justification.
  - Fuel Expense: The budget for fuel purchases has been calculated using an assumption of 8.5 million gallons of diesel fuel consumption, with fuel prices managed through a hedging program.
- New in the FY2019-20 Budget
  - Special Trains which were previously handled as third-party transactions are now included in the FY2019-20 Budget. Special trains are defined as revenue operating trains that are not included in the regularly-scheduled timetable. A new "Special Trains" category has been included in the FY2019-20 Operating Budget on the basis that Special Trains present an opportunity to attract new riders and fulfill Metrolink's responsibility to serve communities. Special Trains services are projected to incur a net cost of \$0.8 million for FY2019-20.
  - o Five new positions have been approved for the FY2019-20 Budget:
    - (1) Train Control Systems Engineer
    - (1) Senior Manager, Train Control Systems
    - (2) Railroad Civil Engineer II
    - (1) Manager I, Human Resources
  - New Services have been added on four of seven lines as follows:
    - Orange County Line Weekdays
      - Extend two "Laguna Niguel-Fullerton" roundtrips to "Laguna Niguel-Los Angeles"
      - Add one "Oceanside-Los Angeles" roundtrip in the evening
    - San Bernardino Line Fridays only
      - Add one "San Bernardino-Los Angeles" roundtrip in the late evening

- 91/Perris Valley Line Weekend:
  - Extend two "Riverside-Los Angeles" roundtrips to "South Perris-Los Angeles"

# Weekdays:

- Extend two "South Perris-Riverside" roundtrips to "South Perris-Los Angeles"
- Ventura Line Weekends
  - Add one "Los Angeles-Ventura-East" roundtrip on the Ventura County line every Saturday between April 2020 and October 2020

The new services described above are depicted on the map as shown below:



# 3.2 Total Operating Budget

SCRRA's FY2019-20 budgeted Operating Expense totals \$262.9 million, an increase of \$11.5 million, or 4.6% more than the FY2018-19 Budget. Total Operating Revenues are projected to total \$105.4 million, \$4.6 million more than the FY2018-19 Budget, an increase of 4.6%. Member Agency operating subsidies for the FY2019-20 Budget are an estimated \$157.4 million, an increase of \$6.9 million, or 4.6% over the FY2018-19 Budget.

# 3.3 Operating Revenues and Subsidy Funding

The Authority's Operating Revenue is derived from three principal sources: Fares, Dispatching and MOW. In order to minimize the impact to Member Agency subsidy requirements, the Authority continues to pursue, where available, other potential revenue enhancements.

Average weekday ridership is projected to total 45,418. Total ridership, including all weekend services, is expected to equal 12.9 million passenger trips.

Fare revenues are assigned to the operating line segment using Origin/Destination pairs, passenger and train counts (shared stations and weekends). Farebox Revenue is projected to equal \$90.0 million, an increase of \$4.3 million or 5.1% more than the FY2018-19 Budget.

Freight railroads and Amtrak Intercity Services operating over territory owned by SCRRA Member Agencies provide dispatching and MOW revenues, based upon existing agreements. Dispatching Revenues are estimated to equal approximately \$2.2 million, an increase of 2.5% from the FY2018-19 Budget.

MOW revenues are estimated at \$13.0 million, an increase of 3.6% from the FY2018-19 Budget, as a result of the AAR index increase for the year and added crossings.

# 3.4 Operating Expenses

Total Operating Expenses include Train Operations, Maintenance of Member Agency-owned Rights-of-Way and Insurance. The FY2019-20 Budget includes a Train Operations budget of \$201.7 million, MOW budget of \$47.0 million, and Insurance budget of \$14.2 million. The total of \$262.9 million is an increase of \$11.5 million or 4.6% more than the FY2018-19 Budget.

# **Amendment**

Following adoption of the FY19/20 Budget, the Board then approved an amendment to operating expense totaling \$4.0m. These funds were identified, with the FY18/19 Forecast, as a portion of the projected surplus which could be reprogramed to support the following CEO initiatives:

After adopting the FY19/20 Proposed Budget, the Board of Directors then approved two amendments to the FY19/20 Operating Budget. The first amendment allowed for the carryforward of \$0.3m forecasted unspent FY18/19 Targeted Marketing Investment. The second amendment allowed for the carryforward of 50% or \$3.7m of the Forecasted FY18/19 Operating Surplus. This cumulative amount of \$4.0 million will provide funding in the FY19/20 Operating Budget for the Loyalty Program, designed to retain and attract riders, and funding for the Chief Executive Officer's Workplan as identified in her 90-Day Plan Funding

presented to the Board. In summary, the Workplan focuses on Improved Fiscal Sustainability, Strengthened Partnerships with the Member Agencies and Modernizing our Business Practices

# 3.5 Capital Program

SCRRA is responsible for the safety and performance of the railroad system and right-of-way, including the passengers and equipment utilizing the system. Capital projects are selected and prioritized based on keeping our assets in a SOGR to maximize safety and ensure customer service and convenience. For FY2019-20, Rehabilitation projects were evaluated and ranked based on this principle. The resulting list of potential projects was then prioritized according to project delivery capacity. The amount for new Rehabilitation projects in FY2019-20 totals \$63.7 million. New Capital projects are reflective of increased infrastructure needs. The amount for New Capital projects in FY2019-20 totals \$6.5 million. The Member Agencies share of the New Capital request is \$3.0 million; a grant direct to Metrolink was identified to cover the funding for \$3.5 million.

Capital funding revenues consist of federal, state and local agency funds, as well as contributions from Third-Parties, namely freight railroads, in the form of direct grants and participation in specific projects. Funding for the Capital Program Budget is provided by the following sources:

| Funding Sources for Estima         | ted C | apital Program |
|------------------------------------|-------|----------------|
| <b>Expenditures in Fiscal Year</b> | 2019- | 20             |
| (000's)                            |       |                |
| Federal Funds                      | \$    | 1,353          |
| State Funds                        |       | 176            |
| Member Agency Local Funds          |       | 1,640          |
| Carryover from prior year          |       | 203,190        |
| Other Funds                        |       | 35_            |
|                                    | \$    | 206,393        |
|                                    |       | ·              |

# 3.6 Summary of the Total FY2019-20 Budget

Numbers may not foot due to rounding.

The FY2019-20 Budget totals \$770.3 million and consists of an Operating Budget of \$262.9 million and a Capital Program of \$507.4 million.

The Operating Budget includes Train Operations of \$201.7 million, MOW budget of \$47.0 million, and \$14.2 million covering Insurance.

The Capital Program Budget contains a \$281.1 million Rehabilitation component, which includes \$63.7 million of New Authority, \$159.3 million of Member Agencies

share of Carryover and \$58.0 million of Other funding sources of Carryover; and a \$226.3 million New Capital component, which includes \$3.0 million of Member Agencies New Authority, \$3.5 million of Other funding sources New Authority, \$36.0 million of Member Agencies share of Carryover and \$183.8 of Other funding sources of Carryover.

# 3.7 Exhibits

Exhibits 3.1a – 3.1d: Summary of FY2017-18 to FY2019-20 Statistics by Line provides the estimated operating statistics by line for FY2019-20 and the calculation of various performance ratios. Revenues and expenses are allocated to lines using formulae that incorporate rail operational statistics to achieve an equitable distribution. Detailed listings of allocation categories and the methodology of their use is detailed in Sections 9 - General and Administrative Budget. Section 11 – Appendix, Exhibit 11.2 details the percentages utilized to allocate by operating line.

Average weekday trip length for FY2019-20 is projected at 33.3 miles. Dependent on ridership and revenues received, individual line operating statistics vary considerably. The Orange County Line (excluding MSEP) has the highest revenue recovery rate at 72.3%. The San Bernardino revenue recovery is estimated at 45.2%, the Riverside Line at 43.7%, the IEOC Line at 31.6%, the Antelope Valley Line at 34.0%, the Ventura County Line at 27.1%, and the 91 Line at 26.5%.

Exhibits 3.2 – 3.5: Performance Data (FY2010-11 to FY2019-20) provide a summary of the projected annual operating performance data as represented in the FY2019-20 Budget compared to the FY2018-19 Budget and 8 years of historical actuals since FY2010-11. Exhibit 3.2 through 3.5, displays this information in an expanded and graphic form to provide illustrative and trending prospective.

- Exhibit 3.2: Operating Expense, Revenues and Operating Subsidy Exhibit 3.3: Train Miles, Fares and Average Weekday Ridership Exhibit 3.4: Revenue Recovery, Farebox Recovery and Operating Expense per Train Mile
- Exhibit 3.5: Operating Expense per Passenger Mile, Operating Subsidy per Rider and Operating Subsidy per Passenger Mile

**Exhibit 3.6:** FY2015-16 to FY2019-20 Annual Operating Budget by Cost Component by Fiscal Year displays the line items that comprise the FY2019-20 Operating Budget and includes both Revenues and Expenses, with each line presenting a key component are allocated among the Member Agencies based on a particular allocation formula. This exhibit presents actual Revenue and Expense for fiscal years FY2015-16 through FY2017-18, FY2018-19 Budget and the FY2019-20 Budget and shows variances between the FY2019-20 Budget as compared with the FY2018-19 Budget. Operating Expenses include all costs required to operate the Metrolink system including Train Operations, maintenance

of equipment, fuel, security, utilities, transfer payments to other transit operators, revenue collection, payments to freight railroads for dispatching, station maintenance, passenger services, MOW, general and administrative expenses, professional services and insurance. For FY2015-16 and FY2016-17, these expenses included the Burlington Northern Santa Fe Railway (BNSF) Lease Locomotive costs.

Exhibit 3.7: FY2019-20 Annual Operating Budget by Cost Component by Member Agency and Exhibit 3.8: FY2019-20 Annual Operating Budget by Cost Component by Line with each line presenting a key component which is allocated among the Member Agencies based on a particular allocation formula. That distribution across the five Member Agencies is shown in this exhibit.

Expenses as shown in *Exhibits 3.6 and 3.7*, offset by Revenues, determine the annual member subsidy contribution. FY2019-20 total Member Agency subsidy of \$157.4 million represents a \$6.9 million, or 4.6%, increase over the FY2018-19 Budget.

# Operation Subsidy Contribution by Member Agency

| (000's) | '2018-19<br>UDGET | Y2019-20<br>BUDGET | V  | ARIANCE | % CHANGE |
|---------|-------------------|--------------------|----|---------|----------|
| METRO   | \$<br>75,120      | \$<br>77,988       | \$ | 2,869   | 3.8%     |
| OCTA    | 29,403            | 30,288             |    | 885     | 3.0%     |
| RCTC    | 19,660            | 21,284             |    | 1,624   | 8.3%     |
| SBCTA   | 16,111            | 17,156             |    | 1,045   | 6.5%     |
| VCTC    | 10,256            | 10,729             |    | 473     | 4.6%     |
| Total   | \$<br>150,550     | \$<br>157,445      | \$ | 6,896   | 4.6%     |

Numbers may not foot due to rounding.

Exhibit 3.9: FY2015-16 to FY2019-20 Revenue Sources Trend provides a summary of the actual FY2015-16 to FY2017-18 fund sources used to support expenditures. The Exhibit also shows the FY2018-19 and FY2019-20 Budgeted Sources of Funds to provide funding for Operating Expenses of \$251.4 million in FY2018-19 and \$262.9 in FY19-20 and for the \$168.9 million and \$203.2 million of Capital Program authority which are forecast to be expended in FY2018-19 and FY2019-20 respectively. Operating Budget expenses represent only the single year of authorized expenditures, while the Capital Program expenditure amounts include portions of the Program authorized in both current year and approved authority carryover from prior years.

# With respect to Operating Revenues:

- Over the past five years actual farebox revenues have been virtually flat, failing to keep pace with rising operating costs. The FY2019-20 budgeted farebox revenue is \$90.0 million, reflecting an increase of \$4.3 million or 5.1% over the FY2018-19 Budget. New Service provides \$1.5 million of this increase. The balance of the increase will result from the successful implementation of the following:
  - Continuing effects of FY19 advertising
  - Corporate Partner Program enhancement
  - Retention improvement
  - Fare evasion mitigation
- Dispatching Revenues include fees for dispatching freight and Amtrak Intercity Services.
- MOW revenue rates were negotiated based on the historical expenditures on MOW by the freight railroads prior to the purchase of these rights-of-way by the Member Agencies.
- Local funds from the five Member Agencies for the Operating Budget vary from year-to-year, depending on SCRRA estimated revenue sources and Operating Expenses. The FY2019-20 Budget assumes Member Agency subsidies at \$157.4 million, a 4.6% increase over the FY2018-19 Budget.

# With respect to Capital Revenues:

The amounts shown can be traced to the Cash Flows shown in *Exhibit 7.8.8* of \$3.2 million added to the Carryover spending of \$203.2 million. Total dollars are separated into funding categories, including state and federal grants, interest on lease proceeds, freight railroad and local funds. The FY2019-20 Budget detailed allocations are compared to budgeted or actual funding sources for FY2015-16 through FY2019-20.

**Exhibit 3.10:** FY2019-20 Budget Revenue Sources and Use by Member Agency provides a summary by Member Agency of the FY2019-20 Budget Revenue Source and Use to cover Operating Expenses of \$262.9 million and expected expenditures on the Capital Program of \$206.4 million. Operating Budget expenses represent only FY2019-20 expenditures, while the Capital Program includes expenditures on both fiscal current year and carryover Board approved authority. Total dollars are separated into funding categories including state and federal grants, freight railroad participation and local funds.

Exhibit 3.1a Summary of FY2017-18 to FY2019-20 Statistics by Line

|   | San            | Ventura    | Antelope  |           | Orange    | Orange Co |           | 91/          |            |
|---|----------------|------------|-----------|-----------|-----------|-----------|-----------|--------------|------------|
| LINE                                    | Bernardino (6) | County (1) | Valley    | Riverside | County    | MSEP      | IEOC      | PVL Line (2) | Total      |
| Service Levels                          |                | 0.4        | 00        | 40        | 40        | 4.0       | 40        | 4-           | 474        |
| Weekday Train Trips - FY 18 Actual      | 38             | 31         | 30        | 12        | 19        | 10        | 16        | 15           | 171        |
| Weekend Train Trips - FY 18 Actual      | 34<br>72       | 0<br>31    | 24<br>54  | 0<br>12   | 16<br>35  | 0<br>10   | 8<br>24   | 8<br>23      | 90<br>261  |
| Total Train Trips - FY 18 Actual        |                | -          | _         |           |           | -         |           | _            | -          |
| Weekday Train Trips - FY 19 Budget      | 38             | 31         | 30        | 12        | 19        | 10        | 16        | 15           | 171        |
| Weekend Train Trips - FY 19 Budget      | 34             | 0          | 24        | 0         | 16        | 0         | 8         | 8            | 90         |
| Total Train Trips - FY 19 Budget        | 72             | 31         | 54        | 12        | 35        | 10        | 24        | 23           | 261        |
| Weekday Train Trips - FY 20 Budget      | 40             | 33         | 30        | 12        | 25        | 4         | 16        | 15           | 175        |
| Weekend Train Trips - FY 20 Budget      | 34             | 2          | 24        | 0         | 16        | 0         | 8         | 8            | 92         |
| Total Train Trips - FY 20 Budget        | 74             | 35         | 54        | 12        | 41        | 4         | 24        | 23           | 267        |
| Passenger Boardings (3)                 |                |            |           |           |           |           |           |              |            |
| FY18 Actual                             | 2,713,313      | 1,087,227  | 1,805,644 | 1,008,845 | 2,691,495 | 125,314   | 1,368,576 | 888,193      | 11,688,607 |
| FY19 Budget                             | 3,177,827      | 1,152,285  | 1,897,438 | 967,476   | 2,848,380 | 114,056   | 1,362,807 | 956,934      | 12,477,203 |
| FY20 Budget                             | 3,276,742      | 1,169,412  | 2,051,810 | 1,030,082 | 3,000,777 | 71,519    | 1,403,500 | 931,768      | 12,935,610 |
| % Change-FY20 Budget to FY18 Actual     | 20.8%          | 7.6%       | 13.6%     | 2.1%      | 11.5%     | (42.9%)   | 2.6%      | 4.9%         | 10.7%      |
| % Change-FY20 Budget to FY19 Budget     | 3.1%           | 1.5%       | 8.1%      | 6.5%      | 5.4%      | (37.3%)   | 3.0%      | (2.6%)       | 3.7%       |
| Service Train Miles                     |                |            |           |           |           |           |           |              |            |
| FY18 Actual                             | 662,222        | 246,334    | 604,943   | 198,215   | 445,364   | 90,872    | 341,863   | 229,354      | 2,819,166  |
| FY19 Budget                             | 675,567        | 252,772    | 611,437   | 195,111   | 440,750   | 93,704    | 342,493   | 229,353      | 2,841,186  |
| FY20 Budget                             | 682,246        | 254,251    | 614,255   | 195,922   | 514,717   | 70,876    | 342,299   | 284,005      | 2,958,571  |
| % Change-FY20 Budget to FY18 Actual     | 3.0%           | 3.2%       | 1.5%      | (1.2%)    | 15.6%     | (22.0%)   | 0.1%      | 23.8%        | 4.9%       |
| % Change-FY20 Budget to FY19 Budget     | 1.0%           | 0.6%       | 0.5%      | 0.4%      | 16.8%     | (24.4%)   | (0.1%)    | 23.8%        | 4.1%       |
| Passenger Miles (000's) (4)             |                |            |           |           |           |           |           |              |            |
| FY18 Actual                             | 97,625         | 27,639     | 67,900    | 35,003    | 93,914    | 1,682     | 46,252    | 35,587       | 405,602    |
| FY19 Budget                             | 114,181        | 29,959     | 71,749    | 33,571    | 99,302    | 1,939     | 46,091    | 35,097       | 431,890    |
| FY20 Budget                             | 117,715        | 29,703     | 76,950    | 35,744    | 102,109   | 1,216     | 47,267    | 37,387       | 448,090    |
| % Change-FY20 Budget to FY18 Actual     | 20.6%          | 7.5%       | 13.3%     | 2.1%      | 8.7%      | (27.7%)   | 2.2%      | 5.1%         | 10.5%      |
| % Change-FY20 Budget to FY19 Budget     | 3.1%           | (0.9%)     | 7.2%      | 6.5%      | 2.8%      | (37.3%)   | 2.6%      | 6.5%         | 3.8%       |
| Average Weekday Ridership               |                | , ,        |           |           |           | ,         |           |              |            |
| FY18 Actual                             | 9,141          | 4,182      | 6.070     | 3,880     | 9.497     | 482       | 4,632     | 3,121        | 41,005     |
| FY19 Budget                             | 10,774         | 4,432      | 6,453     | 3,721     | 10,080    | 439       | 4,624     | 3,330        | 43,852     |
| FY20 Budget                             | 11,083         | 4,498      | 6,971     | 3,962     | 10,590    | 275       | 4,784     | 3,256        | 45,418     |
| % Change-FY20 Budget to FY18 Actual     | 21.3%          | 7.6%       | 14.8%     | 2.1%      | 11.5%     | (42.9%)   | 3.3%      | 4.3%         | 10.8%      |
| % Change-FY20 Budget to FY19 Budget     | 2.9%           | 1.5%       | 8.0%      | 6.5%      | 5.1%      | (37.3%)   | 3.5%      | (2.2%)       | 3.6%       |
| Average Weekday Trip Length (Miles) (5) | 34.2           | 25.4       | 35.8      | 34.7      | 32.7      | N/A       | 31.3      | 39.0         | 33.3       |

# NOTES:

- (1) Includes LAUS Burbank Bob Hope Airport Trains
- (2) Includes PVL Services
- (2) Includes FVL Services
  (3) Passenger Boardings are based on ticket sales and unlinked trips
  (4) Passenger is calculated based on ticket sales with origin and destination
  (5) Average trip length is calculated based on ticket sales
  (6) San Bernardino Weekday Trains include Friday only train service

Exhibit 3.1b Summary of FY2017-18 to FY2019-20 Statistics by Line

|   | San                            | Ventura          | Antelope |                  | Orange           | Orange Co      |        | 91/              |                    |
|---|--------------------------------|------------------|----------|------------------|------------------|----------------|--------|------------------|--------------------|
| LINE                                      | Bernardino                     | County           | Valley   | Riverside        | County           | MSEP           | IEOC   | PVL Line         | Total              |
| Operating Cost (w/ MOW) (000's) (1)       |                                |                  |          |                  |                  |                |        |                  |                    |
| FY18 Actual                               | 50,453                         | 28,619           | 48,038   | 19,150           | 32,249           | 6 160          | 26,483 | 21,740           | 232,902            |
|   |                                | ,                |          | ,                | ,                | 6,169          | ,      | · '              | ,                  |
| FY19 Budget                               | 54,279<br>55,248               | 30,580<br>32,037 | 50,306   | 20,737<br>21,343 | 35,957<br>38,044 | 6,218<br>6,476 | 28,047 | 25,232<br>29,280 | 251,356<br>262,869 |
| FY20 Budget                               |                                | ,                | 51,619   | ,                | ,                |                | 28,822 | · '              | ′ 1                |
| % Change-FY20 Budget to FY18 Actual       | 9.5%                           | 11.9%            | 7.5%     | 11.4%            | 18.0%            | 5.0%           | 8.8%   | 34.7%            | 12.9%              |
| % Change-FY20 Budget to FY19 Budget       | 1.8%                           | 4.8%             | 2.6%     | 2.9%             | 5.8%             | 4.2%           | 2.8%   | 16.0%            | 4.6%               |
| Operating Cost (w/o MOW Extraordinary Mai | <br>nt) (000's) <sup>(1)</sup> |                  |          |                  |                  |                |        |                  |                    |
| FY18 Actual                               | 50,323                         | 28,529           | 47,943   | 19,068           | 32,149           | 6,169          | 26,403 | 21,723           | 232,308            |
| FY19 Budget                               | 54,148                         | 30,489           | 50,204   | 20,661           | 35,861           | 6,218          | 27,972 | 25,212           | 250,765            |
| FY20 Budget                               | 55,086                         | 31,924           | 51,480   | 21,265           | 37,943           | 6,469          | 28,740 | 29,249           | 262,157            |
| % Change-FY20 Budget to FY18 Actual       | 9.5%                           | 11.9%            | 7.4%     | 11.5%            | 18.0%            | 4.9%           | 8.9%   | 34.6%            | 12.8%              |
| % Change-FY20 Budget to FY19 Budget       | 1.7%                           | 4.7%             | 2.5%     | 2.9%             | 5.8%             | 4.0%           | 2.7%   | 16.0%            | 4.5%               |
|   |                                |                  |          |                  |                  |                |        |                  |                    |
| Operating Cost (w/o MOW) (000's)          | 07.000                         | 04.045           | 00.000   | 40.000           | 07.050           | 5.040          | 00.000 | 40.045           | 400.007            |
| FY18 Actual                               | 37,998                         | 21,945           | 38,336   | 18,033           | 27,059           | 5,342          | 22,369 | 18,815           | 189,897            |
| FY19 Budget                               | 42,230                         | 24,052           | 41,789   | 19,530           | 30,984           | 5,431          | 24,035 | 22,005           | 210,055            |
| FY20 Budget                               | 41,693                         | 24,477           | 41,616   | 20,020           | 32,013           | 5,816          | 24,575 | 25,692           | 215,902            |
| % Change-FY20 Budget to FY18 Actual       | 9.7%                           | 11.5%            | 8.6%     | 11.0%            | 18.3%            | 8.9%           | 9.9%   | 36.6%            | 13.7%              |
| % Change-FY20 Budget to FY19 Budget       | (1.3%)                         | 1.8%             | (0.4%)   | 2.5%             | 3.3%             | 7.1%           | 2.2%   | 16.8%            | 2.8%               |
| Subsidy (w/MOW) (000's)                   |                                |                  |          |                  |                  |                |        |                  |                    |
| FY18 Actual                               | 26,094                         | 20,374           | 32,104   | 10,113           | 7,860            | 5,531          | 17,536 | 15,207           | 134,818            |
| FY19 Budget                               | 29,564                         | 21,883           | 33,730   | 12,028           | 10,910           | 5,060          | 19,128 | 18,247           | 150,550            |
| FY20 Budget                               | 30,306                         | 23,373           | 34,068   | 12,025           | 10,551           | 5,858          | 19,730 | 21,533           | 157,445            |
| % Change-FY20 Budget to FY18 Actual       | 16.1%                          | 14.7%            | 6.1%     | 18.9%            | 34.2%            | 5.9%           | 12.5%  | 41.6%            | 16.8%              |
| % Change-FY20 Budget to FY19 Budget       | 2.5%                           | 6.8%             | 1.0%     | (0.0%)           | (3.3%)           | 15.8%          | 3.1%   | 18.0%            | 4.6%               |
| Farebox Revenue (000's) (2)               |                                |                  |          |                  |                  |                |        |                  |                    |
| FY18 Actual                               | 20,693                         | 6,031            | 11,605   | 8,688            | 21,799           | 391            | 7,737  | 5,754            | 82,699             |
| FY19 Budget                               | 21,148                         | 6,613            | 12,200   | 8,386            | 22,505           | 885            | 7,704  | 6,196            | 85,636             |
| FY20 Budget                               | 21,223                         | 6,553            | 13,172   | 8,979            | 24,748           | 416            | 7,704  | 6,972            | 89,983             |
| % Change-FY20 Budget to FY18 Actual       | 2.6%                           | 8.7%             | 13.5%    | 3.3%             | 13.5%            | 6.3%           | 2.4%   | 21.2%            | 8.8%               |
| % Change-FY20 Budget to FY19 Budget       | 0.4%                           | (0.9%)           | 8.0%     | 7.1%             | 10.0%            | (53.0%)        | 2.8%   | 12.5%            | 5.1%               |
|   |                                | ,                |          |                  |                  |                |        |                  |                    |
| Other Revenues (000's) (3)                |                                |                  |          |                  |                  |                | ,      |                  | ,                  |
| FY18 Actual                               | 3,666                          | 2,214            | 4,329    | 349              | 2,590            | 247            | 1,210  | 779              | 15,385             |
| FY19 Budget                               | 3,567                          | 2,083            | 4,376    | 323              | 2,542            | 274            | 1,215  | 789              | 15,171             |
| FY20 Budget                               | 3,718                          | 2,111            | 4,378    | 338              | 2,745            | 203            | 1,173  | 774              | 15,440             |
| % Change-FY20 Budget to FY18 Actual       | 1.4%                           | (4.7%)           | 1.1%     | (3.0%)           | 6.0%             | (17.9%)        | (3.1%) | (0.7%)           | 0.4%               |
| % Change-FY20 Budget to FY19 Budget       | 4.2%                           | 1.3%             | 0.0%     | 4.7%             | 8.0%             | (25.9%)        | (3.5%) | (1.9%)           | 1.8%               |

# NOTES:

<sup>(1)</sup> Costs include all expenses for Metrolink and MOW on operating and non-operating lines

<sup>(2)</sup> Includes fare reduction subsidies for Antelope Valley Line (FY18) and San Bernardino Line (FY19, FY20)

<sup>(3)</sup> Other revenues include dispatching fees and MOW revenues from freight and Amtrak due to individual member agencies

Exhibit 3.1c Summary of FY2017-18 to FY2019-20 Statistics by Line

|  | San                 | Ventura  | Antelope |           | Orange  | Orange Co |         |                        |         |
|--|---------------------|----------|----------|-----------|---------|-----------|---------|------------------------|---------|
| LINE                                       | Bernardino          | County   | Valley   | Riverside | County  | MSEP      | IEOC    | 91 Line <sup>(1)</sup> | Total   |
| Average Fare/Passenger                     |                     |          |          |           |         |           |         |                        |         |
| FY18 Actual                                | \$7.63              | \$5.55   | \$6.43   | \$8.61    | \$8.10  | \$3.12    | \$5.65  | \$6.48                 | \$7.08  |
| FY19 Budget                                | \$6.65              | \$5.74   | \$6.43   | \$8.67    | \$7.90  | \$7.75    | \$5.65  | \$6.48                 | \$6.86  |
| FY20 Budget                                | \$6.48              | \$5.60   | \$6.42   | \$8.72    | \$8.25  | \$5.81    | \$5.64  | \$7.48                 | \$6.96  |
| % Change-FY20 Budget to FY18 Actual        | (15.1%)             | 1.0%     | (0.1%)   | 1.2%      | 1.8%    | 86.2%     | (0.2%)  | 15.5%                  | (1.7%)  |
| % Change-FY20 Budget to FY19 Budget        | (2.7%)              | (2.4%)   | (0.2%)   | 0.6%      | 4.4%    | (25.1%)   | (0.2%)  | 15.6%                  | 1.4%    |
| Op Cost/Passenger (w/o MOW Extraordinary   | <br>Maint)          |          |          |           |         |           |         |                        |         |
| FY18 Actual                                | \$18.55             | \$26.24  | \$26.55  | \$18.90   | \$11.94 | N/A       | \$19.29 | \$24.46                | \$19.87 |
| FY19 Budget                                | \$17.04             | \$26.46  | \$26.46  | \$21.36   | \$12.59 | N/A       | \$20.53 | \$26.35                | \$20.10 |
| FY20 Budget                                | \$16.81             | \$27.30  | \$25.09  | \$20.64   | \$12.64 | N/A       | \$20.48 | \$31.39                | \$20.27 |
| % Change-FY20 Budget to FY18 Actual        | (9.4%)              | 4.0%     | (5.5%)   | 9.2%      | 5.9%    | N/A       | 6.1%    | 28.4%                  | 2.0%    |
| % Change-FY20 Budget to FY19 Budget        | (1.3%)              | 3.2%     | (5.2%)   | (3.3%)    | 0.4%    | N/A       | (0.2%)  | 19.1%                  | 0.8%    |
| Op Cost/Passenger Mile (w/o MOW Extraordi  | <br>nary Maint)     |          |          |           |         |           |         |                        |         |
| FY18 Actual                                | \$0.52              | \$1.03   | \$0.71   | \$0.54    | \$0.34  | N/A       | \$0.57  | \$0.61                 | \$0.57  |
| FY19 Budget                                | \$0.47              | \$1.02   | \$0.70   | \$0.62    | \$0.36  | N/A       | \$0.61  | \$0.72                 | \$0.58  |
| FY20 Budget                                | \$0.47              | \$1.07   | \$0.67   | \$0.59    | \$0.37  | N/A       | \$0.61  | \$0.78                 | \$0.59  |
| % Change-FY20 Budget to FY18 Actual        | (9.2%)              | 4.1%     | (5.3%)   | 9.2%      | 8.6%    | N/A       | 6.5%    | 28.2%                  | 2.1%    |
| % Change-FY20 Budget to FY19 Budget        | (1.3%)              | 5.6%     | (4.4%)   | (3.3%)    | 2.9%    | N/A       | 0.2%    | 8.9%                   | 0.8%    |
| Subsidy/Passenger                          |                     |          |          |           |         |           |         |                        |         |
| FY18 Actual                                | \$9.62              | \$18.74  | \$17.78  | \$10.02   | \$2.92  | N/A       | \$12.81 | \$17.12                | \$11.53 |
| FY19 Budget                                | \$9.30              | \$18.99  | \$17.78  | \$12.43   | \$3.83  | N/A       | \$14.04 | \$19.07                | \$12.07 |
| FY20 Budget                                | \$9.25              | \$19.99  | \$16.60  | \$11.67   | \$3.52  | N/A       | \$14.06 | \$23.11                | \$12.17 |
| % Change-FY20 Budget to FY18 Actual        | (3.8%)              | 6.7%     | (6.6%)   | 16.5%     | 20.4%   | N/A       | 9.7%    | 35.0%                  | 5.5%    |
| % Change-FY20 Budget to FY19 Budget        | (0.6%)              | 5.2%     | (6.6%)   | (6.1%)    | (8.2%)  | N/A       | 0.2%    | 21.2%                  | 0.9%    |
| Subsidy/Passenger Mile                     |                     |          |          |           |         |           |         |                        |         |
| FY18 Actual                                | \$0.27              | \$0.74   | \$0.47   | \$0.29    | \$0.08  | N/A       | \$0.38  | \$0.43                 | \$0.33  |
| FY19 Budget                                | \$0.26              | \$0.73   | \$0.47   | \$0.36    | \$0.11  | N/A       | \$0.42  | \$0.52                 | \$0.35  |
| FY20 Budget                                | \$0.26              | \$0.79   | \$0.44   | \$0.34    | \$0.10  | N/A       | \$0.42  | \$0.58                 | \$0.35  |
| % Change-FY20 Budget to FY18 Actual        | (3.7%)              | 6.7%     | (6.4%)   | 16.4%     | 23.5%   | N/A       | 10.1%   | 34.8%                  | 5.7%    |
| % Change-FY20 Budget to FY19 Budget        | (0.6%)              | 7.7%     | (5.8%)   | (6.1%)    | (5.9%)  | N/A       | 0.6%    | 10.8%                  | 0.8%    |
| Op Cost/Service Train Mile (w/o MOW Extrao | ।<br>rdinary Maint) |          |          |           |         |           |         |                        |         |
| FY18 Actual                                | \$75.99             | \$115.82 | \$79.25  | \$96.20   | \$72.19 | \$67.89   | \$77.23 | \$94.71                | \$82.40 |
| FY19 Budget                                | \$80.15             | \$120.62 | \$82.11  | \$105.89  | \$81.36 | \$66.36   | \$81.67 | \$109.93               | \$88.26 |
| FY20 Budget                                | \$80.74             | \$125.56 | \$83.81  | \$108.54  | \$73.72 | \$91.27   | \$83.96 | \$102.99               | \$88.61 |
| % Change-FY20 Budget to FY18 Actual        | 6.3%                | 8.4%     | 5.8%     | 12.8%     | 2.1%    | 34.4%     | 8.7%    | 8.7%                   | 7.5%    |
| % Change-FY20 Budget to FY19 Budget        | 0.7%                | 4.1%     | 2.1%     | 2.5%      | (9.4%)  | 37.5%     | 2.8%    | (6.3%)                 | 0.4%    |

NOTES:
(1) Includes PVL Services

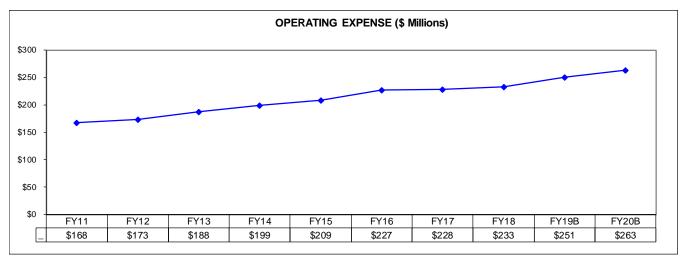
Exhibit 3.1d Summary of FY2017-18 to FY2019-20 Statistics by Line

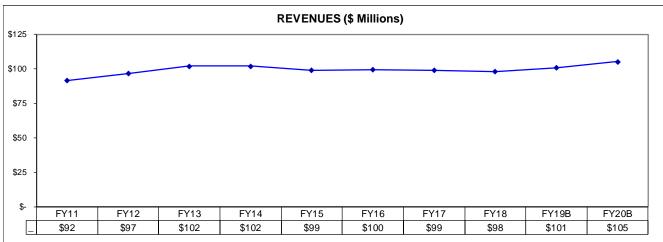
|   | San        | Ventura | Antelope |           | Orange  | Orange Co |         |                        |         |
|---|------------|---------|----------|-----------|---------|-----------|---------|------------------------|---------|
| LINE  | Bernardino | County  | Valley   | Riverside | County  | MSEP      | IEOC    | 91 Line <sup>(3)</sup> | Total   |
|   |            |         |          |           |         |           |         |                        |         |
| Operating Cost/Service Train Mile (w/o MOW) | 1          |         |          |           |         |           |         |                        |         |
| FY18 Actual                                 | \$57.38    | \$89.08 | \$63.37  | \$90.98   | \$60.76 | \$58.79   | \$65.43 | \$82.03                | \$67.36 |
| FY19 Budget                                 | \$62.51    | \$95.15 | \$68.35  | \$100.10  | \$70.30 | \$57.95   | \$70.18 | \$95.94                | \$73.93 |
| FY20 Budget                                 | \$61.11    | \$96.27 | \$67.75  | \$102.18  | \$62.20 | \$82.06   | \$71.79 | \$90.46                | \$72.98 |
| % Change-FY20 Budget to FY18 Actual         | 6.5%       | 8.1%    | 6.9%     | 12.3%     | 2.4%    | 39.6%     | 9.7%    | 10.3%                  | 8.3%    |
| % Change-FY20 Budget to FY19 Budget         | (2.2%)     | 1.2%    | (0.9%)   | 2.1%      | (11.5%) | 41.6%     | 2.3%    | (5.7%)                 | (1.3%)  |
| Farebox Recovery (1)                        |            |         |          |           |         |           |         |                        |         |
| FY18 Actual                                 | 41.0%      | 21.1%   | 24.2%    | 45.4%     | 67.6%   | 6.3%      | 29.2%   | 26.5%                  | 35.5%   |
| FY19 Budget                                 | 39.0%      | 21.7%   | 24.3%    | 40.5%     | 62.7%   | 14.2%     | 27.5%   | 24.6%                  | 34.1%   |
| FY20 Budget                                 | 38.4%      | 20.5%   | 25.5%    | 42.1%     | 65.1%   | 6.4%      | 27.5%   | 23.8%                  | 34.3%   |
| % Change-FY20 Budget to FY18 Actual         | (6.3%)     | (2.8%)  | 5.7%     | (7.1%)    | (3.7%)  | 1.2%      | (5.9%)  | (10.0%)                | (3.5%)  |
| % Change-FY20 Budget to FY19 Budget         | (1.4%)     | (5.5%)  | 5.2%     | 4.0%      | 3.9%    | (54.9%)   | (0.0%)  | (3.0%)                 | 0.4%    |
| Revenue Recovery (2)                        |            |         |          |           |         |           |         |                        |         |
| FY18 Actual                                 | 48.3%      | 28.8%   | 33.2%    | 47.2%     | 75.6%   | 10.4%     | 33.8%   | 30.1%                  | 42.1%   |
| FY19 Budget                                 | 45.6%      | 28.5%   | 33.0%    | 42.1%     | 69.8%   | 18.6%     | 31.9%   | 27.7%                  | 40.2%   |
| FY20 Budget                                 | 45.2%      | 27.1%   | 34.0%    | 43.7%     | 72.3%   | 9.6%      | 31.6%   | 26.5%                  | 40.1%   |
| % Change-FY20 Budget to FY18 Actual         | (6.4%)     | (6.0%)  | 2.6%     | (7.4%)    | (4.4%)  | (7.7%)    | (6.5%)  | (11.9%)                | (4.7%)  |
| % Change-FY20 Budget to FY19 Budget         | (0.9%)     | (5.0%)  | 3.1%     | 3.9%      | 3.7%    | (48.7%)   | (0.9%)  | (4.5%)                 | (0.0%)  |

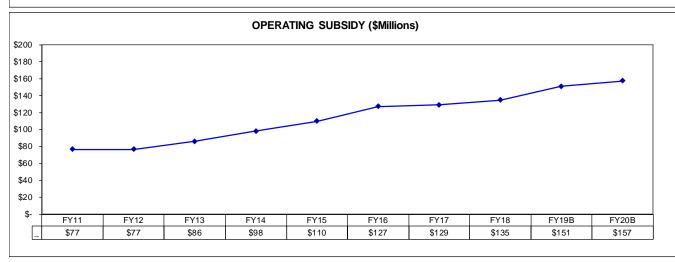
# NOTES:

- (1) Farebox recovery is the ratio of farebox revenue to total expenses net of Non-BNSF operating category "Rolling Stock Lease"
  (2) Revenue recovery is the ratio of operating revenues to operating expenses net of Non-BNSF operating category "Rolling Stock Lease"
  (3) Includes PVL Services

Exhibit 3.2 Operating Expense, Revenues and Operating Subsidy

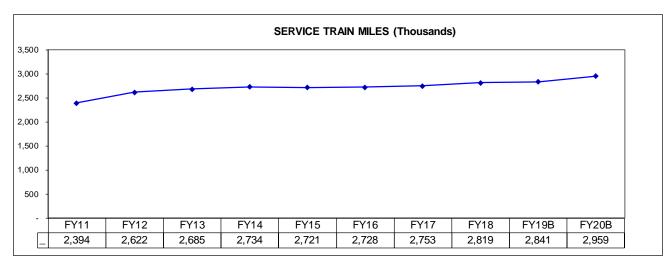


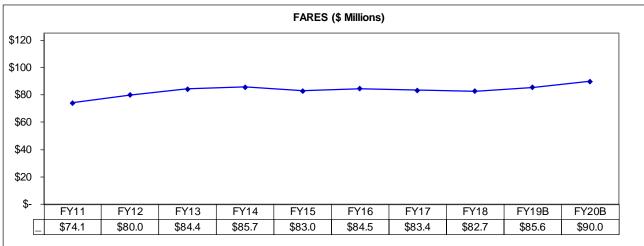


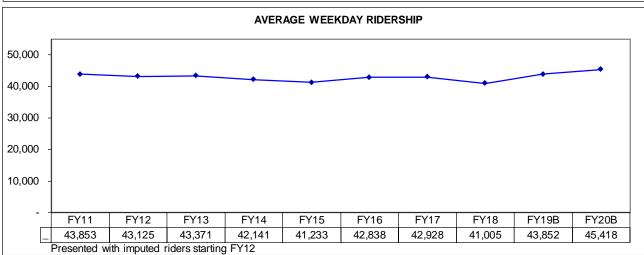


Actuals to FY18, Budget for FY19 and FY20 FY16 Actuals and FY17 Actuals include BNSF Lease Locomotives costs

Exhibit 3.3 Train Miles, Fares and Average Weekday Ridership

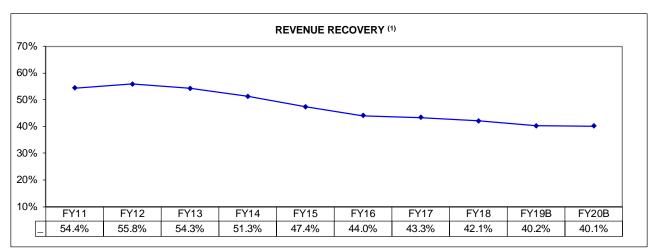


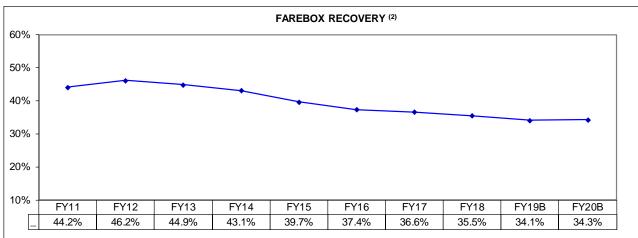


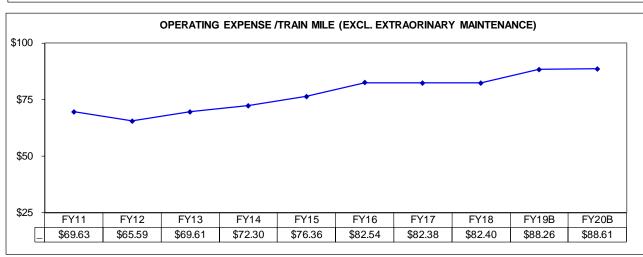


Actuals to FY18, Budget for FY19 and FY20

Exhibit 3.4 Revenue Recovery, Farebox Recovery and Operating Expense per Train Miles





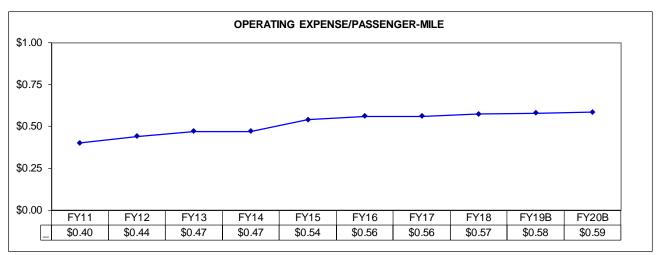


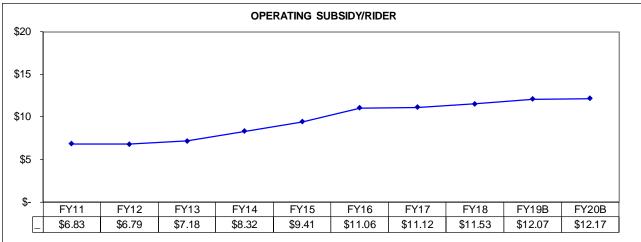
- (1) Revenue Recovery = Operating Revenues/Operating Expenses Net of Rolling Stock Lease Payments
- (2) Farebox Recovery = Farebox Revenue/Operating Expenses Net of Rolling Stock Lease Payments

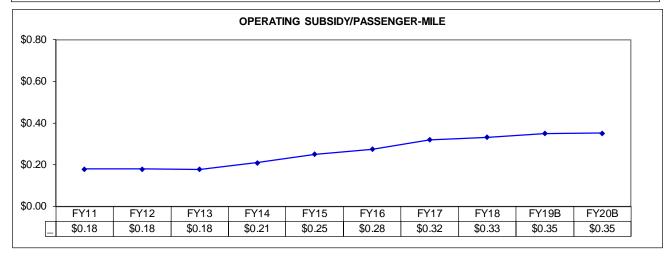
Actuals to FY18, Budget for FY19 and FY20

FY16 Actuals and FY17 Actuals include BNSF Lease Locomotives costs

Exhibit 3.5 Operating Expense per Passenger Mile, Operating Subsidy per Rider and Operating Subsidy per Passenger Mile







Actuals to FY18, Budget for FY19 and FY20

FY16 Actuals and FY17 Actuals include BNSF Lease Locomotives costs

Passenger miles and riders used in the calculation are based on ticket sales starting FY12

Exhibit 3.6 FY2015-16 to FY2019-20 Annual Operating Budget by Cost Component by Fiscal Year

| ACTUAL   A |  |   |  |   |  |  | FY19-20 B  | UDGET VS.   |
|--|--|---|--|---|--|--|--|---|
| Fernition Reviews  | (000's)  | FY 15-16  | FY 16-17   | FY 17-18  | FY 18-19   | FY 19-20   |  |   |
| Special Traine   |  |   |  |   |  |  |  |   |
| Free Reduction Subsets   Part   Par |  | \$ 83,652   | \$ 82,883  | \$ 82,542   | \$ 82,904  |  |  |   |
| Subtotal-Fro Forme Farellox   94,824   93,373   92,899   85,858   89,983   4,347   51.56   100 |  | 873   | 490  | 157   | 2,732  |  |  |   |
| Chine Reviews  | Subtotal-Pro Forma FareBox   |   |  |   |  |  |  |   |
| MOV/Revenues   12,434   12,284   12,286   12,286   12,681   13,011   450   3.0%  |  |   |  |   |  |  |  |   |
| Subtotal Operating Revenue   99,607   98,635   98,084   100,006   106,423   4,617   4,6%   |  |   |  |   |  |  |  |   |
| Description & Services   41,887  |  |   |  |   |  |  |  |   |
| Train Operations   |  |   |  |   |  |  |  |   |
| Equipment Maintenance   33.761   35.422   34.242   38.133   36.638   (1.466)   (3.956)   |  | 44 007  | 41 616   | 42.116  | 46.970   | 49 722   | 1 961  | 4.09/   |
| Configency (Train Ope)   |  |   |  |   |  |  |  |   |
| Non-Scheduled Rolling Stock Repairs   136  |  | -   | -  |   | -  | -  | (1,100)  |   |
| Contracting Facilities Ministernance   |  |   | 18,207   |   |  |  |  | 15.9%   |
| Color Control of Transis Services   239   449   722   442   7977   445   102778   102778   102788    |  |   | 1<br>1 475   |   |  |  |  |   |
| Rolling Stock Leese  |  |   |  |   |  |  |  | 102.7%  |
| Security - Sheritt   |  | -   |  | . <del>.</del> .  |  |  |  | N/A   |
| Security - Guards  |  |   |  |   |  |  |  |   |
| Supplemental Additional Security   |  |   |  |   |  |  |  |   |
| Passenger Relations  | Supplemental Additional Security   | -   | 520  | 227   | 690  | 660  | (30)   | (4.3%)  |
| TVM Maintenance/Revenue Collection   6,554   7,934   8,188   9,055   9,662   597   6,65%   6,65%   6,67%   6 |  |   |  |   |  |  |  | 8.2%  |
| Marketing   1,137  |  |   |  |   |  |  |  |   |
| Media & External Communications   343   248   320   458   458   0.11%  |  |   |  |   |  |  |  | (67.1%)   |
| Transfers to Other Operators   | Media & External Communications  | 343   | 249  | 320   | 458  | 459  |  | 0.1%  |
| Amtriak Transfers  |  |   |  |   |  |  |  |   |
| Station Maintenance  |  |   |  |   |  |  | (1,195)  |   |
| Subtotal Operations & Services   128,223   131,960   130,582   152,129   153,404   1,276   0.8%  | Station Maintenance  | 1,418   | 1,196  | 1,575   | 1,806  | 2,230  |  | 23.5%   |
| Maintenance-of-Way   37,936   37,355   42,411   40,711   46,254   5,543   13,8%   MoW - Extraordinary Maintenance   1,518   1,200   594   691   702   12,05%   6,065   6,065   13,7%   6,065   6,065   13,7%   6,065   6,065   13,7%   6,065   6,065   13,7%   6,065   6,065   13,7%   6,065   6,065   13,7%   6,065 |  |   |  |   |  |  |  |   |
| MoVV - Line Segments   |  | 128,223   | 131,960  | 130,582   | 152,129  | 153,404  | 1,276  | 0.8%  |
| MoV - Extraordinary Maintenance   1,518   1,260   594   591   712   121   20.0%   Administration & Services   33,845   33,8615   43,005   41,301   46,966   5,665   13.7%   Administration & Services   12,892   13,808   12,507   13,782   14,631   849   6.2%   62,665   63,6 |  | 37.936  | 37.355   | 42.411  | 40.711   | 46.254   | 5.543  | 13.6%   |
| Administration & Services   CPS   13,808   12,507   13,782   14,631   849   6.2%   CPS Non-Labor Expenses   5,322   5,046   5,899   1,7635   8,792   1,166   15,11%   CPS   CPS Non-Labor Expenses   5,322   5,046   5,899   1,7635   8,792   1,166   15,11%   CPS Non-Labor Expenses   2,019   1,963   2,887   2,579   3,962   1,383   55,890   CPS Professional Sarvices   2,019   1,963   2,887   2,579   3,962   1,383   55,890   CPS Professional Sarvices   2,019   1,963   2,887   2,579   3,962   1,383   55,890   CPS Professional Sarvices   2,019   1,963   2,887   2,579   3,962   1,383   55,890   CPS Professional Sarvices   2,019   1,963   2,887   2,579   3,962   1,383   55,890   CPS Professional Sarvices   2,019   1,963   2,887   2,799   3,962   1,383   55,890   CPS Professional Sarvices   2,019   1,963   2,979   2,962   1,964   2,900   (4)   (2,020)   (4)   (2,020)   (4)   (2,020)   (4)   (2,020)   (4)   (2,020)   (4)   (2,020)   (4)   (2,020)   (4 |  |   |  |   |  |  |  | 20.6%   |
| Ops Salaries & Fringe Benefits   12,892   13,808   12,507   13,792   14,631   849   6.2%   Ops Non-Labor Expenses   5,322   5,046   5,890   7,635   8,792   1,156   15.1%   Online of Administrative Expenses   12,417   14,090   19,333   17,096   20,755   3,659   21,4%   Online of Administrative Expenses   2,417   14,090   19,333   17,096   20,755   3,659   21,4%   Online of Administrative Expenses   20,374   20,417   41,093   46,10   7,07   7,175   Online of Administrative Expenses   20,374   205,484   214,019   234,727   248,710   13,984   6.0%   Insurance Expenses   200,374   205,484   214,019   234,727   248,710   13,984   6.0%   Insurance Expenses   200,374   205,484   214,019   234,727   248,710   13,984   6.0%   Insurance Expenses   3,876   5,116   8,551   4,000   1,000   (3,000)   (75,0%)   Online of Administration   4,200   7,000   7,000   (3,000)   7,000    |  | 39,453  | 38,615   | 43,005  | 41,301   | 46,966   | 5,665  | 13.7%   |
| Dis Non-Labor Expenses   5,322   5,046   5,890   7,635   8,792   1,156   15,115    |  | 12 892  | 13.808   | 12 507  | 13 782   | 14 631   | 849  | 6.2%  |
| Ops Professional Services   2,019   1,963   2,687   2,579   3,962   1,383   53,6%   Subtotal Admin & Services   32,651   34,907   40,417   41,093   48,140   7,047   17,11%   Contingency (Non-Train Ops)   47   2   15   204   200   (4)   (2,0%)   Total Operating Expenses   200,374   205,484   214,019   244,727   248,710   13,984   6.0%   Insurance Expense/(Revenue)  |  |   |  |   |  |  |  | 15.1%   |
| Subtotal Admin & Services   32,651   34,907   40,417   41,093   48,140   7,047   17,1%   7,076   7,077   17,17%   17,076   17,0 |  |   |  |   |  |  |  | 21.4%   |
| Total Operating Expenses   20,374   20,584   214,019   234,727   248,710   13,984   6.0%   |  |   |  |   |  |  |  |   |
| Total Operating Expenses   200,374   205,848   214,019   234,727   248,710   13,984   6.0%   Insurance Expenses/(Revenue)  |  |   | 34,907   |   |  |  |  |   |
| Liability/Property/Auto  |  |   | 205,484  |   |  |  |  |   |
| Claims / SI  |  |   |  |   |  |  |  |   |
| Claims Administration   421   704   585   1,211   1,252   41   3,4%     PLPD Revenue   (22)   (1)     N/A     Net Insurance Expense   15,909   16,880   18,883   16,629   14,158   (2,471)   (14,9%)     Total Expense Before BNSF   (216,283   222,364   232,902   251,356   262,869   11,512   4.6%     Member Subsidies   109,003   119,148   124,736   133,920   143,287   9,367   7.0%     Insurance   18,079   16,787   7.063   16,629   14,158   (2,471)   (14,9%)     Total Member Subsidies   127,082   135,934   142,399   150,550   157,445   6,896   4.6%     BNSF LEASED LOCOMOTIVE COSTS     Lease cost Inc. ship   4,449   2,649   -   -   -   N/A     Labor for Maintenance   2,597   1,077   -   -   -   N/A     Diesel Fuel Offsea   13,341   1,046   -   -   -   N/A     Diesel Fuel Offsea   1,341   1,046   -   -   -   N/A     Diesel Fuel Offsea   1,341   1,046   -   -   -   N/A     PTC Costs   7,560   1,116   892   -   -   -   N/A     PTC Costs   1,116   892   -   -   -   N/A     Total BNSF Lease Loco Expenses   10,397   5,669   -   -   -   N/A     Member BNSF Lease Subsidies   11,48   386   -   -   -   N/A     Member BNSF Lease Subsidies   11,48   386   -   -   -   N/A     Member BNSF Lease Subsidies   11,48   386   -   -   -   N/A     Member BNSF Lease Subsidies   11,48   386   -   -   -   N/A     Member BNSF Lease Subsidies   11,48   386   -   -   -   N/A     Member BNSF Lease Subsidies   13,627   141,989   142,399   150,550   157,445   6,896   4.6%     All Member Subsidies   138,627   141,989   142,399   150,550   157,445   6,896   4.6%     Amendmentty (10)   |  |   |  |   |  |  |  |   |
| PLPD Revenue   |  |   |  |   |  | 1,000  |  |   |
| Total Expense Before BNSF   216,283   222,364   232,902   251,356   262,869   11,512   4.6%  |  |   |  |   |  | 1.252  |  |   |
| Loss Before BNSF   (116,776) (123,829) (134,818) (150,550) (157,445) (6,896)   4.6%   Member Subsidies   | Claims Administration  | 421   | 704  |   |  | 1,252  |  | (75.0%)<br>3.4%<br>N/A  |
| Member Subsidies   | Claims Administration PLPD Revenue Net Insurance Expense   | 421<br>(22)<br><b>15,909</b>  | 704<br>(1)<br><b>16,880</b>  | 585<br>-<br><b>18,883</b>   | 1,211<br>-<br><b>16,629</b>                                  | -<br>14,158  | 41<br>-<br>(2,471)   | 3.4%<br>N/A<br>(14.9%)  |
| Depretions   109,003   119,148   124,736   133,920   143,287   9,367   7,0%   16,009   16,787   17,663   16,629   14,158   (2,471)   (14,9%)   Total Member Subsidies   127,082   135,934   142,399   150,550   157,445   6,896   4.6%   Surplus / (Deficit) Before BNSF   10,306   12,106   7,581   -   -     N/A   N | Claims Administration PLPD Revenue Net Insurance Expense Total Expense Before BNSF   | 421<br>(22)<br>15,909<br>216,283  | 704<br>(1)<br><b>16,880</b><br><b>222,364</b>  | 18,883<br>232,902   | 1,211<br>16,629<br>251,356                                   | 14,158<br>262,869  | (2,471)<br>11,512  | 3.4%<br>N/A<br>(14.9%)<br>4.6%  |
| Insurance  | Claims Administration PLPD Revenue Net Insurance Expense Total Expense Before BNSF Loss Before BNSF  | 421<br>(22)<br>15,909<br>216,283  | 704<br>(1)<br><b>16,880</b><br><b>222,364</b>  | 18,883<br>232,902   | 1,211<br>16,629<br>251,356                                   | 14,158<br>262,869  | (2,471)<br>11,512  | 3.4%<br>N/A<br>(14.9%)<br>4.6%  |
| Surplus / (Deficit) Before BNSF   10,306   12,106   7,581     - N/A  | Claims Administration PLPD Revenue Net Insurance Expense Total Expense Before BNSF Loss Before BNSF Member Subsidies   | 421<br>(22)<br>15,909<br>216,283<br>(116,776)   | 704<br>(1)<br>16,880<br>222,364<br>(123,829)   | 18,883<br>232,902<br>(134,818)  | 1,211<br>16,629<br>251,356<br>(150,550)                      | 14,158<br>262,869<br>(157,445)                                 | (2,471)<br>11,512<br>(6,896)   | 3.4%<br>N/A<br>(14.9%)<br>4.6%<br>4.6%  |
| BNSF LEASED LOCOMOTIVE COSTS   | Claims Administration PLPD Revenue Net Insurance Expense Total Expense Before BNSF Loss Before BNSF Member Subsidies Operations  | 421<br>(22)<br>15,909<br>216,283<br>(116,776)   | 704<br>(1)<br>16,880<br>222,364<br>(123,829)   | 18,883<br>232,902<br>(134,818)  | 1,211<br>16,629<br>251,356<br>(150,550)                      | 14,158<br>262,869<br>(157,445)                                 | (2,471)<br>11,512<br>(6,896)   | 3.4%<br>N/A<br>(14.9%)<br>4.6%<br>4.6%  |
| Lease cost Inc. ship   4,449   2,649   -   -   -   -   N/A   | Claims Administration PLPD Revenue Net Insurance Expense Total Expense Before BNSF Loss Before BNSF Member Subsidies Operations Insurance Total Member Subsidies   | 421<br>(22)<br>15,909<br>216,283<br>(116,776)<br>109,003<br>18,079<br>127,082   | 704<br>(1)<br>16,880<br>222,364<br>(123,829)<br>119,148<br>16,787<br>135,934   | 18,883<br>232,902<br>(134,818)<br>124,736<br>17,663<br>142,399              | 1,211<br>16,629<br>251,356<br>(150,550)<br>133,920<br>16,629 | 14,158<br>262,869<br>(157,445)<br>143,287<br>14,158            | (2,471)<br>11,512<br>(6,896)<br>9,367<br>(2,471)   | 3.4%<br>N/A<br>(14.9%)<br>4.6%<br>4.6%<br>7.0%<br>(14.9%)<br>4.6%   |
| Major Component Parts  | Claims Administration PLPD Revenue Net Insurance Expense Total Expense Before BNSF Loss Before BNSF Member Subsidies Operations Insurance Total Member Subsidies   | 421<br>(22)<br>15,909<br>216,283<br>(116,776)<br>109,003<br>18,079<br>127,082   | 704<br>(1)<br>16,880<br>222,364<br>(123,829)<br>119,148<br>16,787<br>135,934   | 18,883<br>232,902<br>(134,818)<br>124,736<br>17,663<br>142,399              | 1,211<br>16,629<br>251,356<br>(150,550)<br>133,920<br>16,629 | 14,158<br>262,869<br>(157,445)<br>143,287<br>14,158            | (2,471)<br>11,512<br>(6,896)<br>9,367<br>(2,471)   | 3.4%<br>N/A<br>(14.9%)<br>4.6%<br>4.6%<br>7.0%<br>(14.9%)<br>4.6%   |
| Labor for Maintenance  | Claims Administration PLPD Revenue Net Insurance Expense Total Expense Before BNSF Loss Before BNSF Member Subsidies Operations Insurance Total Member Subsidies Surplus / (Deficit) Before BNSF BNSF LEASED LOCOMOTIVE COSTS  | 109,003<br>18,079<br>127,082<br>109,003<br>18,079<br>127,082  | 704<br>(1)<br>16,880<br>222,364<br>(123,829)<br>119,148<br>16,787<br>135,934<br>12,106   | 18,883<br>232,902<br>(134,818)<br>124,736<br>17,663<br>142,399              | 1,211<br>16,629<br>251,356<br>(150,550)<br>133,920<br>16,629 | 14,158<br>262,869<br>(157,445)<br>143,287<br>14,158            | (2,471)<br>11,512<br>(6,896)<br>9,367<br>(2,471)   | 3.4%<br>N/A<br>(14.9%)<br>4.6%<br>4.6%<br>(14.9%)<br>4.6%<br>N/A  |
| Additional Fuel Offset   | Claims Administration PLPD Revenue Net Insurance Expense Total Expense Before BNSF Loss Before BNSF Member Subsidies Operations Insurance Total Member Subsidies Surplus / (Deficit) Before BNSF BNSF LEASED LOCOMOTIVE COSTS Lease cost Inc. ship   | 109,003<br>18,079<br>127,082<br>103,06  | 704<br>(1)<br>16,880<br>222,364<br>(123,829)<br>119,148<br>16,787<br>135,934<br>12,106   | 18,883<br>232,902<br>(134,818)<br>124,736<br>17,663<br>142,399              | 1,211<br>16,629<br>251,356<br>(150,550)<br>133,920<br>16,629 | 14,158<br>262,869<br>(157,445)<br>143,287<br>14,158            | (2,471)<br>11,512<br>(6,896)<br>9,367<br>(2,471)   | 3.4%<br>N/A<br>(14.9%)<br>4.6%<br>4.6%<br>(14.9%)<br>4.6%<br>N/A  |
| Diesel Fuel Offset   | Claims Administration PLPD Revenue  Net Insurance Expense  Total Expense Before BNSF  Loss Before BNSF  Member Subsidies  Operations Insurance  Total Member Subsidies  Surplus / (Deficit) Before BNSF  BNSF LEASED LOCOMOTIVE COSTS  Lease cost Inc. ship Major Component Parts  | 421<br>(22)<br>15,909<br>216,283<br>(116,776)<br>109,003<br>18,079<br>127,082<br>10,306   | 704<br>(1)<br>16,880<br>222,364<br>(123,829)<br>119,148<br>16,787<br>135,934<br>12,106   | 18,883<br>232,902<br>(134,818)<br>124,736<br>17,663<br>142,399              | 1,211<br>16,629<br>251,356<br>(150,550)<br>133,920<br>16,629 | 14,158<br>262,869<br>(157,445)<br>143,287<br>14,158            | (2,471)<br>11,512<br>(6,896)<br>9,367<br>(2,471)   | 3.4%<br>N/A<br>(14.9%)<br>4.6%<br>4.6%<br>(14.9%)<br>4.6%<br>(14.9%)<br>1.6%<br>N/A   |
| Temp Facility Mods   | Claims Administration PLPD Revenue  Net Insurance Expense Total Expense Before BNSF Loss Before BNSF Member Subsidies Operations Insurance Total Member Subsidies Surplus / (Deficit) Before BNSF BNSF LEASED LOCOMOTIVE COSTS Lease cost Inc. ship Major Component Parts Labor for Maintenance  | 109,003<br>18,079<br>127,082<br>10,306  | 704<br>(1)<br>16,880<br>222,364<br>(123,829)<br>119,148<br>16,787<br>135,934<br>12,106<br>2,649<br>(136)<br>1,077  | 18,883<br>232,902<br>(134,818)<br>124,736<br>17,663<br>142,399              | 1,211<br>16,629<br>251,356<br>(150,550)<br>133,920<br>16,629 | 14,158<br>262,869<br>(157,445)<br>143,287<br>14,158            | (2,471)<br>11,512<br>(6,896)<br>9,367<br>(2,471)   | 3.4%<br>N/A<br>(14.9%)<br>4.6%<br>4.6%<br>(14.9%)<br>4.6%<br>N/A  |
| PTC Costs Contingency  | Claims Administration PLPD Revenue  Net Insurance Expense  Total Expense Before BNSF  Loss Before BNSF  Member Subsidies  Operations Insurance  Total Member Subsidies  Surplus / (Deficit) Before BNSF  BNSF LEASED LOCOMOTIVE COSTS  Lease cost Inc. ship Major Component Parts Labor for Maintenance  Additional Fuel Diesel Fuel Offset  | 421<br>(22)<br>15,909<br>216,283<br>(116,776)<br>109,003<br>18,079<br>127,082<br>10,306<br>4,449<br>720<br>2,597<br>1,341   | 704<br>(1)<br>16,880<br>222,364<br>(123,829)<br>119,148<br>16,787<br>135,934<br>12,106<br>2,649<br>(136)<br>1,077  | 18,883<br>232,902<br>(134,818)<br>124,736<br>17,663<br>142,399              | 1,211<br>16,629<br>251,356<br>(150,550)<br>133,920<br>16,629 | 14,158<br>262,869<br>(157,445)<br>143,287<br>14,158            | (2,471)<br>11,512<br>(6,896)<br>9,367<br>(2,471)   | 3.4% N/A (14.9%) 4.6% 4.6% (14.9%) 4.6% N/A N/A N/A N/A N/A N/A N/A   |
| Contingency  | Claims Administration PLPD Revenue  Net Insurance Expense  Total Expense Before BNSF  Loss Before BNSF  Member Subsidies  Operations Insurance  Total Member Subsidies  Surplus / (Deficit) Before BNSF  BNSF LEASED LOCOMOTIVE COSTS  Lease cost Inc. ship Major Component Parts Labor for Maintenance  Additional Fuel Diesel Fuel Offset Wheel truing, Software Mods, Brakes  | 421<br>(22)<br>15,909<br>216,283<br>(116,776)<br>109,003<br>18,079<br>127,082<br>10,306<br>4,449<br>720<br>2,597<br>1,341   | 704<br>(1)<br>16,880<br>222,364<br>(123,829)<br>119,148<br>16,787<br>135,934<br>12,106<br>2,649<br>(136)<br>1,077<br>1,046   | 18,883<br>232,902<br>(134,818)<br>124,736<br>17,663<br>142,399              | 1,211<br>16,629<br>251,356<br>(150,550)<br>133,920<br>16,629 | 14,158<br>262,869<br>(157,445)<br>143,287<br>14,158            | (2,471)<br>11,512<br>(6,896)<br>9,367<br>(2,471)   | 3.4% N/A (14.9%) 4.6% 4.6% (14.9%) 4.6% N/A  N/A  N/A  N/A  N/A  N/A  N/A   |
| Member BNSF Lease Subsidies  | Claims Administration PLPD Revenue  Net Insurance Expense  Total Expense Before BNSF  Loss Before BNSF  Member Subsidies  Operations Insurance  Total Member Subsidies  Surplus / (Deficit) Before BNSF  BNSF LEASED LOCOMOTIVE COSTS  Lease cost Inc. ship Major Component Parts Labor for Maintenance Additional Fuel Diesel Fuel Offset Wheel truing, Software Mods, Brakes Temp Facility Mods  | 421<br>(22)<br>15,909<br>216,283<br>(116,776)<br>109,003<br>18,079<br>127,082<br>10,306<br>4,449<br>720<br>2,597<br>1,341   | 704<br>(1)<br>16,880<br>222,364<br>(123,829)<br>119,148<br>16,787<br>135,934<br>12,106<br>2,649<br>(136)<br>1,077<br>1,046   | 18,883<br>232,902<br>(134,818)<br>124,736<br>17,663<br>142,399<br>7,581     | 1,211<br>16,629<br>251,356<br>(150,550)<br>133,920<br>16,629 | 14,158<br>262,869<br>(157,445)<br>143,287<br>14,158            | (2,471)<br>11,512<br>(6,896)<br>9,367<br>(2,471)<br>6,896  | 3.4% N/A (14.9%) 4.6% 4.6% (14.9%) 4.6% N/A  N/A  N/A  N/A  N/A  N/A  N/A   |
| Surplus / (Deficit) - BNSF Lease   | Claims Administration PLPD Revenue  Net Insurance Expense Total Expense Before BNSF  Loss Before BNSF  Member Subsidies Operations Insurance Total Member Subsidies  Surplus / (Deficit) Before BNSF  BNSF LEASED LOCOMOTIVE COSTS  Lease cost Inc. ship Major Component Parts Labor for Maintenance Additional Fuel Diesel Fuel Offset Wheel truing, Software Mods, Brakes Temp Facility Mods PTC Costs Contingency   | 421<br>(22)<br>15,909<br>216,283<br>(116,776)<br>109,003<br>18,079<br>127,082<br>10,306<br>4,449<br>720<br>2,597<br>1,341<br>-<br>37<br>136<br>1,116  | 704<br>(1)<br>16,880<br>222,364<br>(123,829)<br>119,148<br>16,787<br>135,934<br>12,106<br>2,649<br>(136)<br>1,077<br>1,046   | 18,883<br>232,902<br>(134,818)<br>124,736<br>17,663<br>142,399<br>7,581     | 1,211 16,629 251,356 (150,550) 133,920 16,629 150,550        | 14,158<br>262,869<br>(157,445)<br>143,287<br>14,158<br>157,445 | (2,471)<br>11,512<br>(6,896)<br>9,367<br>(2,471)<br>6,896  | 3.4%<br>N/A<br>(14.9%)<br>4.6%<br>4.6%<br>7.0%<br>(14.9%)<br>4.6%<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A |
| TOTAL EXPENSE 226,680 228,032 232,902 251,356 262,869 11,512 4.6%  Net Loss (127,173) (129,498) (134,818) (150,550) (157,445) (6,896) 4.6%  All Member Subsidies 138,627 141,989 142,399 150,550 157,445 6,896 4.6%  Surplus / (Deficit) \$ 11,454 \$ 12,491 \$ 7,581 \$ - \$ - \$ - N/A  Budget Amendment  Use of Deferred Revenue/Other  Funding Source (1) 4,034 4,034 N/A  Amendment#1 (1) 300 300 N/A  Amendment#2 (1) 3,734 3,734 N/A  Total Revenue and Other Funding  Sources 99,507 98,535 98,084 100,806 109,457 8,651 8.6%  Total Expenses 226,680 228,032 232,902 251,356 269,003 15,546 6.2%  Total Member Subsidy 127,173 129,498 134,818 150,550 157,445 6,896 4.6%   | Claims Administration PLPD Revenue  Net Insurance Expense  Total Expense Before BNSF  Loss Before BNSF  Member Subsidies  Operations Insurance  Total Member Subsidies  Surplus / (Deficit) Before BNSF  BNSF LEASED LOCOMOTIVE COSTS  Lease cost Inc. ship Major Component Parts Labor for Maintenance Additional Fuel Diesel Fuel Offset Wheel truing, Software Mods, Brakes Temp Facility Mods PTC Costs Contingency  Total BNSF Lease Loco Expenses  | 421<br>(22)<br>15,909<br>216,283<br>(116,776)<br>109,003<br>18,079<br>127,082<br>10,306<br>4,449<br>720<br>2,597<br>1,341<br>   | 704<br>(1)<br>16,880<br>222,364<br>(123,829)<br>119,148<br>16,787<br>135,934<br>12,106<br>2,649<br>(136)<br>1,077<br>1,046<br>   | 18,883<br>232,902<br>(134,818)<br>124,736<br>17,663<br>142,399<br>7,581     | 1,211 16,629 251,356 (150,550) 133,920 16,629 150,550        | 14,158<br>262,869<br>(157,445)<br>143,287<br>14,158<br>157,445 | 41<br>(2,471)<br>11,512<br>(6,896)<br>9,367<br>(2,471)<br>6,896  | 3.4% N/A (14.9%) 4.6% 4.6% 7.0% (14.9%) 4.6% N/A  |
| Net Loss   | Claims Administration PLPD Revenue  Net Insurance Expense Total Expense Before BNSF Loss Before BNSF Member Subsidies Operations Insurance Total Member Subsidies Surplus / (Deficit) Before BNSF BNSF LEASED LOCOMOTIVE COSTS Lease cost Inc. ship Major Component Parts Labor for Maintenance Additional Fuel Diesel Fuel Offset Wheel truing, Software Mods, Brakes Temp Facility Mods PTC Costs Contingency Total BNSF Lease Loco Expenses Member BNSF Lease Subsidies   | 421<br>(22)<br>15,909<br>216,283<br>(116,776)<br>109,003<br>18,079<br>127,082<br>10,306<br>4,449<br>720<br>2,597<br>1,341<br>   | 704 (1) 16,880 222,364 (123,829) 119,148 16,787 135,934 12,106  2,649 (136) 1,077 1,046 - 140 892 - 5,669 6,055  | 18,883<br>232,902<br>(134,818)<br>124,736<br>17,663<br>142,399<br>7,581     | 1,211 16,629 251,356 (150,550) 133,920 16,629 150,550        | 14,158<br>262,869<br>(157,445)<br>143,287<br>14,158<br>157,445 | (2,471)<br>11,512<br>(6,896)<br>9,367<br>(2,471)<br>6,896  | 3.4% N/A (14.9%) 4.6% 4.6% (14.9%) 4.6% N/A   |
| All Member Subsidies   | Claims Administration PLPD Revenue  Net Insurance Expense Total Expense Before BNSF Loss Before BNSF Member Subsidies Operations Insurance Total Member Subsidies Surplus / (Deficit) Before BNSF BNSF LEASED LOCOMOTIVE COSTS Lease cost Inc. ship Major Component Parts Labor for Maintenance Additional Fuel Diesel Fuel Offset Wheel truing, Software Mods, Brakes Temp Facility Mods PTC Costs Contingency Total BNSF Lease Loco Expenses Member BNSF Lease Surplus / (Deficit) - BNSF Lease  | 421<br>(22)<br>15,909<br>216,283<br>(116,776)<br>109,003<br>18,079<br>127,082<br>10,306<br>4,449<br>720<br>2,597<br>1,341<br>-37<br>136<br>1,116<br>-10,397<br>11,545<br>1,148                                    | 704<br>(1)<br>16,880<br>222,364<br>(123,829)<br>119,148<br>16,787<br>135,934<br>12,106<br>2,649<br>(136)<br>1,077<br>1,046<br>-<br>-<br>-<br>140<br>892<br>-<br>-<br>5,669<br>6,055<br>386 | 18,883<br>232,902<br>(134,818)<br>124,736<br>17,663<br>142,399<br>7,581     | 1,211  16,629 251,356 (150,550)  133,920 16,629 150,550      | 14,158<br>262,869<br>(157,445)<br>143,287<br>14,158<br>157,445 | 41<br>(2,471)<br>11,512<br>(6,896)<br>9,367<br>(2,471)<br>6,896  | 3.4% N/A (14.9%) 4.6% 4.6% 7.0% (14.9%) 4.6% N/A  |
| Surplus / (Deficit)  | Claims Administration PLPD Revenue  Net Insurance Expense Total Expense Before BNSF  Member Subsidies Operations Insurance Total Member Subsidies  Surplus / (Deficit) Before BNSF  BNSF LEASED LOCOMOTIVE COSTS  Lease cost Inc. ship Major Component Parts Labor for Maintenance Additional Fuel Diesel Fuel Offset Wheel truing, Software Mods, Brakes Temp Facility Mods PTC Costs Contingency Total BNSF Lease Loco Expenses Member BNSF Lease Subsidies  Surplus / (Deficit) - BNSF Lease  TOTAL EXPENSE   | 421<br>(22)<br>15,909<br>216,283<br>(116,776)<br>109,003<br>18,079<br>127,082<br>10,306<br>4,449<br>720<br>2,597<br>1,341<br>-<br>37<br>136<br>1,116<br>1,116<br>10,397<br>11,545<br>1,148                        | 704<br>(1)<br>16,880<br>222,364<br>(123,829)<br>119,148<br>16,787<br>135,934<br>12,106<br>2,649<br>(136)<br>1,077<br>1,046<br>-<br>140<br>892<br>-<br>5,669<br>6,055<br>386<br>228,032     | 18,883<br>232,902<br>(134,818)<br>124,736<br>17,663<br>142,399<br>7,581     | 1,211 16,629 251,356 (150,550) 133,920 16,629 150,550        | 14,158<br>262,869<br>(157,445)<br>143,287<br>14,158<br>157,445 | 41<br>(2,471)<br>11,512<br>(6,896)<br>9,367<br>(2,471)<br>6,896<br>  | 3.4% N/A (14.9%) 4.6% 4.6% 7.0% (14.9%) 4.6% N/A  |
| Budget Amendment Use of Deferred Revenue/Other Funding Source (1) Amendment#1 (1) Amendment#2 (1) Total Revenue and Other Funding Sources 99,507 98,535 98,084 100,806 109,457 8,651 8.6% Total Expenses 226,680 228,032 232,902 251,356 269,903 15,546 6.2% Total Member Subsidy 127,173 129,498 134,818 150,550 157,445 6,896 4.6%   | Claims Administration PLPD Revenue  Net Insurance Expense  Total Expense Before BNSF  Loss Before BNSF  Member Subsidies  Operations Insurance  Total Member Subsidies  Surplus / (Deficit) Before BNSF  BNSF LEASED LOCOMOTIVE COSTS  Lease cost Inc. ship Major Component Parts Labor for Maintenance Additional Fuel Diesel Fuel Offset Wheel truing, Software Mods, Brakes Temp Facility Mods PTC Costs Contingency  Total BNSF Lease Loco Expenses Member BNSF Lease Subsidies  Surplus / (Deficit) - BNSF Lease  TOTAL EXPENSE   | 421<br>(22)<br>15,909<br>216,283<br>(116,776)<br>109,003<br>18,079<br>127,082<br>10,306<br>4,449<br>720<br>2,597<br>1,341<br>37<br>136<br>1,116<br>10,397<br>11,545<br>1,148<br>226,680<br>(127,173)              | 704<br>(1)<br>16,880<br>222,364<br>(123,829)<br>119,148<br>16,787<br>135,934<br>12,106<br>2,649<br>(136)<br>1,077<br>1,046<br>   | 18,883<br>232,902<br>(134,818)<br>124,736<br>17,663<br>142,399<br>7,581     | 1,211 16,629 251,356 (150,550) 133,920 16,629 150,550        | 14,158 262,869 (157,445)  143,287 14,158 157,445               | 41<br>(2,471)<br>11,512<br>(6,896)<br>9,367<br>(2,471)<br>6,896<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 3.4% N/A (14.9%) 4.6% 4.6% 7.0% (14.9%) 4.6% N/A  |
| Use of Deferred Revenue/Other  | Claims Administration PLPD Revenue  Net Insurance Expense Total Expense Before BNSF Loss Before BNSF Member Subsidies Operations Insurance Total Member Subsidies Surplus / (Deficit) Before BNSF BNSF LEASED LOCOMOTIVE COSTS Lease cost Inc. ship Major Component Parts Labor for Maintenance Additional Fuel Diesel Fuel Offset Wheel truing, Software Mods, Brakes Temp Facility Mods PTC Costs Contingency Total BNSF Lease Loco Expenses Member BNSF Lease Subsidies Surplus / (Deficit) - BNSF Lease TOTAL EXPENSE Net Loss All Member Subsidies  | 421<br>(22)<br>15,909<br>216,283<br>(116,776)<br>109,003<br>18,079<br>127,082<br>10,306<br>4,449<br>720<br>2,597<br>1,341<br>-37<br>136<br>1,116<br>-10,397<br>11,545<br>1,148<br>226,680<br>(127,173)<br>138,627 | 704 (1) 16,880 222,364 (123,829) 119,148 16,787 135,934 12,106  2,649 (136) 1,077 1,046  | 18,883<br>232,902<br>(134,818)<br>124,736<br>17,663<br>142,399<br>7,581     | 1,211  16,629 251,356 (150,550)  133,920 16,629 150,550      | 14,158 262,869 (157,445)  143,287 14,158 157,445               | 41<br>(2,471)<br>11,512<br>(6,896)<br>9,367<br>(2,471)<br>6,896<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 3.4% N/A (14.9%) 4.6% 4.6% 7.0% (14.9%) 4.6% N/A  |
| Funding Source (1) 4,034 4,034 N/A Amendment#1 (1) 300 300 N/A Amendment#2 (1) 3,734 3,734 N/A Total Revenue and Other Funding Sources 99,507 98,535 98,084 100,806 109,457 8,651 8.6% Total Expenses 226,680 228,032 232,902 251,356 26,903 15,546 6.2% Total Member Subsidy 127,173 129,498 134,818 150,550 157,445 6,896 4.6%   | Claims Administration PLPD Revenue  Net Insurance Expense  Total Expense Before BNSF  Loss Before BNSF  Member Subsidies  Operations Insurance  Total Member Subsidies  Surplus / (Deficit) Before BNSF  BNSF LEASED LOCOMOTIVE COSTS  Lease cost Inc. ship Major Component Parts Labor for Maintenance Additional Fuel Diesel Fuel Offset Wheel truing, Software Mods, Brakes Temp Facility Mods PTC Costs Contingency  Total BNSF Lease Loco Expenses Member BNSF Lease Subsidies  Surplus / (Deficit) - BNSF Lease  TOTAL EXPENSE  Net Loss All Member Subsidies  Surplus / (Deficit)   | 421<br>(22)<br>15,909<br>216,283<br>(116,776)<br>109,003<br>18,079<br>127,082<br>10,306<br>4,449<br>720<br>2,597<br>1,341<br>-37<br>136<br>1,116<br>-10,397<br>11,545<br>1,148<br>226,680<br>(127,173)<br>138,627 | 704 (1) 16,880 222,364 (123,829) 119,148 16,787 135,934 12,106  2,649 (136) 1,077 1,046  | 18,883<br>232,902<br>(134,818)<br>124,736<br>17,663<br>142,399<br>7,581     | 1,211  16,629 251,356 (150,550)  133,920 16,629 150,550      | 14,158 262,869 (157,445)  143,287 14,158 157,445               | 41<br>(2,471)<br>11,512<br>(6,896)<br>9,367<br>(2,471)<br>6,896<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 3.4% N/A (14.9%) 4.6% 4.6% (14.9%) 4.6% N/A   |
| Amendment#1 (1) Amendment#2 (1) 3,734 3,734 N/A Total Revenue and Other Funding Sources 99,507 98,535 98,084 100,806 109,457 8,651 8.6% Total Expenses 226,680 228,032 232,902 251,356 266,903 15,546 6.2% Total Member Subsidy 127,173 129,498 134,818 150,550 157,445 6,896 4.6%   | Claims Administration PLPD Revenue  Net Insurance Expense Total Expense Before BNSF  Member Subsidies Operations Insurance Total Member Subsidies Surplus / (Deficit) Before BNSF  BNSF LEASED LOCOMOTIVE COSTS  Lease cost Inc. ship Major Component Parts Labor for Maintenance Additional Fuel Diesel Fuel Offset Wheel truing, Software Mods, Brakes Temp Facility Mods PTC Costs Contingency Total BNSF Lease Loco Expenses Member BNSF Lease Subsidies Surplus / (Deficit) - BNSF Lease  TOTAL EXPENSE  Net Loss All Member Subsidies Surplus / (Deficit) Budget Amendment   | 421<br>(22)<br>15,909<br>216,283<br>(116,776)<br>109,003<br>18,079<br>127,082<br>10,306<br>4,449<br>720<br>2,597<br>1,341<br>-37<br>136<br>1,116<br>-10,397<br>11,545<br>1,148<br>226,680<br>(127,173)<br>138,627 | 704 (1) 16,880 222,364 (123,829) 119,148 16,787 135,934 12,106  2,649 (136) 1,077 1,046  | 18,883<br>232,902<br>(134,818)<br>124,736<br>17,663<br>142,399<br>7,581     | 1,211  16,629 251,356 (150,550)  133,920 16,629 150,550      | 14,158 262,869 (157,445)  143,287 14,158 157,445               | 41<br>(2,471)<br>11,512<br>(6,896)<br>9,367<br>(2,471)<br>6,896<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 3.4% N/A (14.9%) 4.6% 4.6% (14.9%) 4.6% N/A   |
| Amendment#2 (1)         -         -         -         -         3,734         N/A           Total Revenue and Other Funding Sources         99,507         98,535         98,084         100,806         109,457         8,651         8.6%           Total Expenses         226,680         228,032         232,902         251,356         266,903         15,546         6.2%           Total Member Subsidy         127,173         129,498         134,818         150,550         157,445         6,896         4.6%   | Claims Administration PLPD Revenue  Net Insurance Expense Total Expense Before BNSF  Member Subsidies Operations Insurance Total Member Subsidies  Surplus / (Deficit) Before BNSF  BNSF LEASED LOCOMOTIVE COSTS  Lease cost Inc. ship Major Component Parts Labor for Maintenance Additional Fuel Diesel Fuel Offset Wheel truing, Software Mods, Brakes Temp Facility Mods PTC Costs Contingency Total BNSF Lease Loco Expenses Member BNSF Lease Subsidies Surplus / (Deficit) - BNSF Lease  TOTAL EXPENSE  Net Loss All Member Subsidies Surplus / (Deficit) Budget Amendment Use of Deferred Revenue/Other  | 421<br>(22)<br>15,909<br>216,283<br>(116,776)<br>109,003<br>18,079<br>127,082<br>10,306<br>4,449<br>720<br>2,597<br>1,341<br>-37<br>136<br>1,116<br>-10,397<br>11,545<br>1,148<br>226,680<br>(127,173)<br>138,627 | 704 (1) 16,880 222,364 (123,829) 119,148 16,787 135,934 12,106  2,649 (136) 1,077 1,046  | 18,883<br>232,902<br>(134,818)<br>124,736<br>17,663<br>142,399<br>7,581     | 1,211  16,629 251,356 (150,550)  133,920 16,629 150,550      | 14,158 262,869 (157,445)  143,287 14,158 157,445               | 41<br>(2,471)<br>11,512<br>(6,896)<br>9,367<br>(2,471)<br>6,896<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-                               | 3.4% N/A (14.9%) 4.6% 4.6% (14.9%) 4.6% N/A   |
| Total Revenue and Other Funding<br>Sources         99,507         98,535         98,084         100,806         109,457         8,651         8.6%           Total Expenses         226,680         228,032         232,902         251,356         266,903         15,546         6.2%           Total Member Subsidy         127,173         129,498         134,818         150,550         157,445         6,896         4.6%  | Claims Administration PLPD Revenue  Net Insurance Expense  Total Expense Before BNSF  Loss Before BNSF  Member Subsidies  Operations Insurance  Total Member Subsidies  Surplus / (Deficit) Before BNSF  BNSF LEASED LOCOMOTIVE COSTS  Lease cost Inc. ship Major Component Parts Labor for Maintenance Additional Fuel Diesel Fuel Offset Wheel truing, Software Mods, Brakes Temp Facility Mods PTC Costs Contingency  Total BNSF Lease Loco Expenses Member BNSF Lease Subsidies  Surplus / (Deficit) - BNSF Lease  TOTAL EXPENSE  Net Loss All Member Subsidies  Surplus / (Deficit)  Budget Amendment Use of Deferred Revenue/Other Funding Source (1)  | 421<br>(22)<br>15,909<br>216,283<br>(116,776)<br>109,003<br>18,079<br>127,082<br>10,306<br>4,449<br>720<br>2,597<br>1,341<br>-37<br>136<br>1,116<br>-10,397<br>11,545<br>1,148<br>226,680<br>(127,173)<br>138,627 | 704 (1) 16,880 222,364 (123,829) 119,148 16,787 135,934 12,106  2,649 (136) 1,077 1,046  | 18,883<br>232,902<br>(134,818)<br>124,736<br>17,663<br>142,399<br>7,581<br> | 1,211 16,629 251,356 (150,550) 133,920 16,629 150,550        | 14,158 262,869 (157,445)  143,287 14,158 157,445               | 41<br>(2,471)<br>11,512<br>(6,896)<br>9,367<br>(2,471)<br>6,896<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-                               | 3.4% N/A (14.9%) 4.6% 4.6% (14.9%) 4.6% N/A   |
| Total Expenses         226,680         228,032         232,902         251,356         266,903         15,546         6.2%           Total Member Subsidy         127,173         129,498         134,818         150,550         157,445         6,896         4.6%   | Claims Administration PLPD Revenue  Net Insurance Expense Total Expense Before BNSF  Loss Before BNSF Member Subsidies Operations Insurance Total Member Subsidies Surplus / (Deficit) Before BNSF  BNSF LEASED LOCOMOTIVE COSTS  Lease cost Inc. ship Major Component Parts Labor for Maintenance Additional Fuel Diesel Fuel Offset Wheel truing, Software Mods, Brakes Temp Facility Mods PTC Costs Contingency Total BNSF Lease Loco Expenses Member BNSF Lease Subsidies Surplus / (Deficit) - BNSF Lease TOTAL EXPENSE  Net Loss All Member Subsidies Surplus / (Deficit)  Budget Amendment Use of Deferred Revenue/Other Funding Source (1) Amendment#1 (1)   | 421<br>(22)<br>15,909<br>216,283<br>(116,776)<br>109,003<br>18,079<br>127,082<br>10,306<br>4,449<br>720<br>2,597<br>1,341<br>-37<br>136<br>1,116<br>-10,397<br>11,545<br>1,148<br>226,680<br>(127,173)<br>138,627 | 704 (1) 16,880 222,364 (123,829) 119,148 16,787 135,934 12,106  2,649 (136) 1,077 1,046  | 18,883<br>232,902<br>(134,818)<br>124,736<br>17,663<br>142,399<br>7,581<br> | 1,211 16,629 251,356 (150,550) 133,920 16,629 150,550        | 14,158 262,869 (157,445)  143,287 14,158 157,445               | 41<br>(2,471)<br>11,512<br>(6,896)<br>9,367<br>(2,471)<br>6,896<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>- | 3.4% N/A (14.9%) 4.6% 4.6% (14.9%) 4.6% N/A   |
| Total Member Subsidy 127,173 129,498 134,818 150,550 157,445 6,896 4.6%  | Claims Administration PLPD Revenue  Net Insurance Expense Total Expense Before BNSF  Loss Before BNSF Member Subsidies  Operations Insurance Total Member Subsidies  Surplus / (Deficit) Before BNSF  BNSF LEASED LOCOMOTIVE COSTS  Lease cost Inc. ship Major Component Parts Labor for Maintenance Additional Fuel Diesel Fuel Offset Wheel truing, Software Mods, Brakes Temp Facility Mods PTC Costs Contingency Total BNSF Lease Loco Expenses Member BNSF Lease Subsidies  Surplus / (Deficit) - BNSF Lease  TOTAL EXPENSE  Net Loss All Member Subsidies  Surplus / (Deficit)  Budget Amendment Use of Deferred Revenue/Other Funding Source (1) Amendment#2 (1) Total Revenue and Other Funding                      | 421<br>(22)<br>15,909<br>216,283<br>(116,776)<br>109,003<br>18,079<br>127,082<br>10,306<br>4,449<br>720<br>2,597<br>1,341<br>   | 704 (1) 16,880 222,364 (123,829) 119,148 16,787 135,934 12,106  2,649 (136) 1,077 1,046 140 892 5,669 6,055 386 228,032 (129,498) 141,989 \$ 12,491  | 18,883<br>232,902<br>(134,818)<br>124,736<br>17,663<br>142,399<br>7,581<br> | 1,211 16,629 251,356 (150,550) 133,920 16,629 150,550        | 14,158 262,869 (157,445)  143,287 14,158 157,445               | 41<br>(2,471)<br>11,512<br>(6,896)<br>9,367<br>(2,471)<br>6,896<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-                               | 3.4% (14.9%) 4.6% 4.6% 7.0% (14.9%) 4.6% N/A  |
|  | Claims Administration PLPD Revenue  Net Insurance Expense Total Expense Before BNSF  Loss Before BNSF  Member Subsidies Operations Insurance Total Member Subsidies  Surplus / (Deficit) Before BNSF  BNSF LEASED LOCOMOTIVE COSTS  Lease cost Inc. ship Major Component Parts Labor for Maintenance Additional Fuel Diesel Fuel Offset Wheel truing, Software Mods, Brakes Temp Facility Mods PTC Costs Contingency Total BNSF Lease Loco Expenses Member BNSF Lease Subsidies Surplus / (Deficit) - BNSF Lease TOTAL EXPENSE  Net Loss All Member Subsidies Surplus / (Deficit)  Budget Amendment Use of Deferred Revenue/Other Funding Source (1) Amendment#1 (1) Amendment#2 (1) Total Revenue and Other Funding Sources | 421 (22) 15,909 216,283 (116,776)  109,003 18,079 127,082 10,306  4,449 720 2,597 1,341   | 704 (1) 16,880 222,364 (123,829) 119,148 16,787 135,934 12,106  2,649 (136) 1,077 1,046  | 18,883<br>232,902<br>(134,818)<br>124,736<br>17,663<br>142,399<br>7,581<br> | 1,211 16,629 251,356 (150,550) 133,920 16,629 150,550        | 14,158 262,869 (157,445)  143,287 14,158 157,445               | 41<br>(2,471)<br>11,512<br>(6,896)<br>9,367<br>(2,471)<br>6,896<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-                               | 3.4% N/A (14.9%) 4.6% 4.6% 7.0% (14.9%) 4.6% N/A  |
|  | Claims Administration PLPD Revenue  Net Insurance Expense Total Expense Before BNSF  Member Subsidies Operations Insurance Total Member Subsidies Surplus / (Deficit) Before BNSF  BNSF LEASED LOCOMOTIVE COSTS Lease cost Inc. ship Major Component Parts Labor for Maintenance Additional Fuel Diesel Fuel Offset Wheel truing, Software Mods, Brakes Temp Facility Mods PTC Costs Contingency Total BNSF Lease Loco Expenses Member BNSF Lease Subsidies Surplus / (Deficit) - BNSF Lease TOTAL EXPENSE  Net Loss All Member Subsidies Surplus / (Deficit) Budget Amendment Use of Deferred Revenue/Other Funding Source 10 Total Revenue and Other Funding Sources Total Revenues  | 421 (22) 15,909 216,283 (116,776)  109,003 18,079 127,082 10,306  4,4449 720 2,597 1,341 - 136 1,116 - 10,397 11,545 1,148 226,680 (127,173) 138,627 \$ 11,454  | 704 (1) 16,880 222,364 (123,829) 119,148 16,787 135,934 12,106  2,649 (136) 1,077 1,046 - 140 892 - 5,669 6,055 386 228,032 (129,498) 141,989 \$ 12,491                                    | 18,883<br>232,902<br>(134,818)<br>124,736<br>17,663<br>142,399<br>7,581<br> | 1,211  16,629 251,356 (150,550)  133,920 16,629 150,550      | 14,158 262,869 (157,445)  143,287 14,158 157,445               | 41<br>(2,471)<br>11,512<br>(6,896)<br>9,367<br>(2,471)<br>6,896<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-<br>-                               | 3.4% N/A (14.9%) 4.6% 4.6% 7.0% (14.9%) 4.6% N/A  |

NOTE:

(1) Amounts were approved by the Board on June 28, 2019 based on a forecast of Operation Surplus for FY19. The actual amount of Operating Surplus will be finalized with the FY19 Year-End.

Exhibit 3.7 FY2019-20 Annual Operating Budget by Cost Component by Member Agency

| (000's)   | METRO  | ОСТА         | RCTC        | SBCTA        | VCTC      | TOTAL           |
|---|--|--------------|-------------|--------------|-----------|-----------------|
| Operating Revenue   |  | 00.71        |             | 02017        | 10.0      |                 |
| Farebox Revenue   | \$ 42,967  | \$ 24,374    | \$ 8,134    | \$ 9,891     | \$ 2,373  | \$ 87,739       |
| Special Trains  | 97   | 54           | 45          | 18           | 5         | 219             |
| Fare Reduction Subsidy                                      | 1,187  | -            | -           | 839          | -         | 2,025           |
| Subtotal-Pro Forma FareBox                                  | 44,250   | 24,427       | 8,179       | 10,748       | 2,378     | 89,983          |
| Dispatching   | 1,122  | 717          | 8           | 64           | 262       | 2,172           |
| Other Revenues  | 123  | 54           | 28          | 36           | 17        | 257             |
| MOW Revenues  | 7,696  | 2,613        | 670         | 1,553        | 479       | 13,011          |
| Total Operating Revenue                                     | 53,191   | 27,812       | 8,884       | 12,401       | 3,135     | 105,423         |
| Operating Expenses  | 55,.5.   | 2.,0.2       | 0,00.       | 12,101       | 0,100     | 100,120         |
| Operations & Services                                       |  |              |             |              |           |                 |
| Train Operations  | 25.633   | 10,888       | 5,317       | 5,154        | 1,742     | 48.733          |
| Equipment Maintenance                                       | 18,025   | 8,451        | 4,356       | 4,255        | 1,552     | 36,638          |
| Fuel  | 10,740   | 5,906        | 2,283       | 2,183        | 618       | 21,730          |
| Non-Scheduled Rolling Stock Repairs                         | 83   | 38           | 16          | 18           | 5         | 160             |
| Operating Facilities Maintenance                            | 905  | 416          | 173         | 200          | 55        | 1,749           |
| Other Operating Train Services                              | 486  | 134          | 116         | 164          | 77        | 977             |
| Special Trains  | 303  | 226          | 223         | 37           | 5         | 793             |
| Rolling Stock Lease   | 109  | 46           | 26          | 33           | 17        | 230             |
| Security - Sheriff  | 3,198  | 1,212        | 939         | 628          | 119       | 6,095           |
| Security - Guards   | 1,211  | 440          | 380         | 268          | 254       | 2,552           |
| Supplemental Additional Security                            | 324  | 180          | 60          | 79           | 17        | 660             |
| Public Safety Program                                       | 200  | 73           | 63          | 44           | 42        | 421             |
| Passenger Relations   | 857  | 501          | 169         | 209          | 59        | 1,797           |
| TVM Maintenance/Revenue Collection                          | 4,137  | 2,104        | 1,596       | 1,234        | 581       | 9,652           |
| Marketing   | 825  | 479          | 193         | 197          | 75        | 1,769           |
| Media & External Communications                             | 218  | 79           | 68          | 48           | 46        | 459             |
| Utilities/Leases  | 1,278  | 464          | 401         | 283          | 268       | 2,695           |
| Transfers to Other Operators                                | 2,973  | 1,192        | 378         | 600          | 159       | 5,301           |
| Amtrak Transfers  | 767  | 1,526        | 2           | 3            | 101       | 2,400           |
| Station Maintenance   | 1,378  | 304          | 147         | 303          | 98        | 2,230           |
| Rail Agreements   | 2,215  | 1.895        | 1,533       | 383          | 337       | 6,362           |
| Subtotal Operations & Services                              | 75,865   | 36,554       | 18,437      | 16,321       | 6,228     | 153,404         |
| Maintenance-of-Way  | .,   | ,            | , ,         |              | ,         |                 |
| MoW - Line Segments   | 24,352   | 9,311        | 3,423       | 6,388        | 2,780     | 46,254          |
| MoW - Extraordinary Maintenance                             | 417  | 102          | 68          | 76           | 49        | 712             |
| Subtotal Maintenance-of-Way                                 | 24,769   | 9,413        | 3,491       | 6,464        | 2,829     | 46,966          |
| Administration & Services                                   |  | ,,,,,        | -,          | -,           | _,        | 10,000          |
| Ops Salaries & Fringe Benefits                              | 6,941  | 2,531        | 2,171       | 1,538        | 1,451     | 14,631          |
| Ops Non-Labor Expenses                                      | 4,457  | 1,939        | 965         | 1,002        | 429       | 8,792           |
| Indirect Administrative Expenses                            | 9,846  | 3,576        | 3,088       | 2,179        | 2,065     | 20,755          |
| Ops Professional Services                                   | 1,880  | 683          | 590         | 416          | 394       | 3,962           |
| Subtotal Admin & Services                                   | 23,123   | 8,729        | 6,813       | 5,135        | 4,339     | 48,140          |
| Contingency   | 95   | 34           | 30          | 21           | 20        | 200             |
| Total Operating Expenses                                    | 123,853  | 54,730       | 28,771      | 27,941       | 13,416    | 248,710         |
| Insurance and Legal   | 123,033  | 34,730       | 20,771      | 27,341       | 13,410    | 240,710         |
|   | 6 161  | 2 024        | 1 175       | 1 250        | 377       | 11 006          |
| Liability/Property/Auto Net Claims / SI                     | 6,161<br>517                                       | 2,834<br>238 | 1,175<br>99 | 1,359<br>114 | 377       | 11,906<br>1,000 |
| Claims Administration                                       | 648  | 238          | 124         | 114          | 32<br>40  |                 |
| PLPD Revenue  | 648  | 298          | 124         | 143          | 40        | 1,252           |
| Total Net Insurance and Legal                               | 7,326  | 3,370        | 1,398       | 1,616        | 448       | 14,158          |
|   | <del>†                                      </del> |              | ·           |              |           |                 |
| Total Expense   | 131,179  | 58,100       | 30,168      | 29,557       | 13,865    | 262,869         |
| Loss  | (77,988)   | (30,288)     | (21,284)    | (17,156)     | (10,729)  | (157,445)       |
| Member Subsidies  |  |              | •           |              |           | -               |
| Operations  | 70,662   | 26,918       | 19,887      | 15,540       | 10,281    | 143,287         |
| Insurance   | 7,326  | 3,370        | 1,398       | 1,616        | 448       | 14,158          |
| Total Member Subsidies                                      | \$ 77,988  | \$ 30,288    | \$ 21,284   | \$ 17,156    | \$ 10,729 | \$ 157,445      |
| Surplus / (Deficit)   | -  | -            | -           | -            | -         | -               |
|   |  |              |             |              |           |                 |
| Budget Amendment  |  |              |             |              |           |                 |
| Use of Deferred Revenue/Other                               |  | 1            |             |              |           |                 |
| Funding Source (1)  | 2,236  | 905          | 390         | 360          | 142       | 4,034           |
| Amendment#1 (1)   | 147  | 81           | 29          | 34           | 9         | 300             |
|   |  |              |             |              | _         |                 |
| Amendment#2 (1)   | 2,089  | 825          | 361         | 326          | 133       | 3,734           |
| Total Revenue and Other Funding                             | 55.46-   |              | 2 2         | 40-61        |           | 400 45-         |
| Sources   | 55,427   | 28,717       | 9,274       | 12,761       | 3,277     | 109,457         |
| Total Expenses  | 133,415  | 59,005       | 30,558      | 29,917       | 14,006    | 266,903         |
| Total Member Subsidy  Numbers may not foot due to rounding. | 77,988   | 30,288       | 21,284      | 17,156       | 10,729    | 157,445         |
| Numbers may not fact due to reunding                        |  |              |             |              |           |                 |

NOTES:
(1) Amounts were approved by the Board on June 28, 2019 based on a forecast of Operation Surplus for FY19. The actual amount of Operating Surplus will be finalized with the FY19 Year-End.

Exhibit 3.8 FY2019-20 Annual Operating Budget by Cost Component by Line

|                                     | San        | Ventura   | Antelope  |           | Orange    |          |           |                |            |
|-------------------------------------|------------|-----------|-----------|-----------|-----------|----------|-----------|----------------|------------|
| (000's)                             | Bernardino | County    | Valley    | Riverside | County    | OC MSEP  | IEOC      | 91/PVL         | TOTAL      |
| Operating Revenue                   |            | -         |           |           |           |          |           |                |            |
| Farebox Revenue                     | \$ 19,165  | \$ 6,539  | \$ 13,141 | \$ 8,968  | \$ 24,707 | \$ 416   | \$ 7,862  | \$ 6,941       | \$ 87,739  |
| Special Trains                      | 33         | 14        | 31        | 11        | 42        | _        | 57        | 31             | \$ 219     |
| Fare Reduction Subsidy              | 2,025      | -         | -         | -         | -         | -        | -         | _              | 2,025      |
| Subtotal-Pro Forma FareBox          | 21,223     | 6,553     | 13,172    | 8,979     | 24,748    | 416      | 7,919     | 6,972          | 89,983     |
| Dispatching                         | 165        | 540       | 369       | 6         | 1,029     | 16       | 18        | 31             | 2,172      |
| Other Revenues                      | 57         | 36        | 41        | 33        | 46        | 1        | 34        | 10             | 257        |
| MOW Revenues                        | 3,496      | 1,535     | 3,968     | 299       | 1,669     | 187      | 1,122     | 733            | 13,011     |
| Total Operating Revenue             | 24,942     | 8,664     | 17,550    | 9,317     | 27,493    | 619      | 9,092     | 7,746          | 105,423    |
| Operating Expenses                  |            | ,         | ,         |           | ,         |          | ,         | ,              | ,          |
| Operations & Services               |            |           |           |           |           |          |           |                |            |
| Train Operations                    | 10,456     | 5,011     | 10,397    | 3,070     | 7,326     | 959      | 5,372     | 6,142          | 48,733     |
| Equipment Maintenance               | 8,135      | 3,799     | 7,342     | 2,654     | 5,247     | 1,342    | 4,335     | 3,784          | 36,638     |
| Fuel                                | 4,381      | 1,880     | 4,583     | 1,291     | 3,964     | 913      | 2,663     | 2,055          | 21,730     |
| Non-Scheduled Rolling Stock Repairs | 38         | 14        | 34        | 11        | 25        | 5        | 19        | 13             | 160        |
| Operating Facilities Maintenance    | 411        | 153       | 375       | 123       | 276       | 56       | 212       | 142            | 1,749      |
| Other Operating Train Services      | 313        | 129       | 140       | 116       | 60        | 21       | 88        | 109            | 977        |
| Special Trains                      | 72         | 17        | 79        | 11        | 112       |          | 189       | 314            | 793        |
| Rolling Stock Lease                 | 50         | 35        | 37        | 32        | 39        | _        | 31        | 7              | 230        |
| Security - Sheriff                  | 1,342      | 330       | 1,730     | 265       | 812       | 122      | 674       | 821            | 6.095      |
| Security - Guards                   | 372        | 424       | 461       | 382       | 196       | 70       | 289       | 357            | 2,552      |
| Supplemental Additional Security    | 144        | 49        | 99        | 67        | 186       | 3        | 60        | 52             | 660        |
| Public Safety Program               | 61         | 70        | 76        | 63        | 32        | 12       | 48        | 59             | 421        |
| Passenger Relations                 | 419        | 153       | 295       | 140       | 414       | 18       | 234       | 124            | 1,797      |
| TVM Maintenance/Revenue Collection  | 1,790      | 1,355     | 1,572     | 931       | 1,004     | 410      | 1,367     | 1,222          | 9,652      |
| Marketing                           | 415        | 140       | 233       | 130       | 445       | 16       | 177       | 212            | 1,769      |
| Media & External Communications     | 67         | 76        | 83        | 69        | 35        | 13       | 52        | 64             | 459        |
| Utilities/Leases                    | 393        | 448       | 487       | 404       | 207       | 74       | 305       | 377            | 2,695      |
| Transfers to Other Operators        | 1,241      | 443       | 1,177     | 453       | 1,401     | -        | 174       | 413            | 5,301      |
| Amtrak Transfers                    | -,         | 309       | -         | -         | 2,091     | _        | -         | -              | 2,400      |
| Station Maintenance                 | 640        | 289       | 462       | 194       | 392       | 14       | 39        | 201            | 2,230      |
| Rail Agreements                     | _          | 627       | _         | 1,939     | 1,131     | 12       | 1,044     | 1,609          | 6,362      |
| Subtotal Operations & Services      | 30,743     | 15,749    | 29,662    | 12,347    | 25,397    | 4,059    | 17,370    | 18,077         | 153,404    |
| Maintenance-of-Way                  | ,          | ,         | ,         | ,         | ,         | · 1      | •         | ,              | ,          |
| MoW - Line Segments                 | 13,393     | 7,447     | 9,865     | 1,246     | 5,930     | 653      | 4,165     | 3,556          | 46,254     |
| MoW - Extraordinary Maintenance     | 162        | 113       | 138       | 77        | 101       | 8        | 82        | 31             | 712        |
| Subtotal Maintenance-of-Way         | 13,555     | 7,560     | 10,003    | 1,323     | 6,031     | 660      | 4,247     | 3,587          | 46,966     |
| Administration & Services           | ,          | ,         | ,         | ,         | ,         |          | •         | ,              | ,          |
| Ops Salaries & Fringe Benefits      | 2,142      | 2,423     | 2,648     | 2,184     | 1,138     | 399      | 1,656     | 2,040          | 14,631     |
| Ops Non-Labor Expenses              | 1,846      | 927       | 1,767     | 761       | 1,323     | 218      | 1,012     | 938            | 8,792      |
| Indirect Administrative Expenses    | 3,028      | 3,449     | 3,748     | 3,109     | 1,598     | 569      | 2,349     | 2,904          | 20,755     |
| Ops Professional Services           | 578        | 659       | 716       | 594       | 305       | 109      | 449       | 554            | 3,962      |
| Subtotal Admin & Services           | 7,595      | 7,458     | 8,880     | 6,647     | 4,364     | 1,295    | 5,466     | 6,435          | 48,140     |
| Contingency                         | 29         | 33        | 36        | 30        | 15        | 5        | 23        | 28             | 200        |
| Total Operating Expenses            | 51,922     | 30,800    | 48,581    | 20,347    | 35,807    | 6,020    | 27,105    | 28,128         | 248,710    |
| Insurance and Legal                 |            |           |           |           |           |          |           |                |            |
| Liability/Property/Auto             | 2,797      | 1,040     | 2,555     | 837       | 1,881     | 384      | 1,444     | 969            | 11,906     |
| Net Claims / SI                     | 235        | 87        | 215       | 70        | 158       | 32       | 121       | 81             | 1,000      |
| Claims Administration               | 294        | 109       | 269       | 88        | 198       | 40       | 152       | 102            | 1,252      |
| Total Net Insurance and Legal       | 3,326      | 1,237     | 3,038     | 995       | 2,237     | 456      | 1,717     | 1,152          | 14,158     |
| Total Expense                       | 55,248     | 32,037    | 51,619    | 21,343    | 38,044    | 6,476    | 28,822    | 29,280         | 262,869    |
| Member Subsidies                    | 00,2.10    | 02,007    | 01,010    | 21,010    | 00,011    | 3,4.3    | 20,022    | 20,200         | 202,000    |
| Total Member Subsidies              | \$ 30,306  | \$ 23,373 | \$ 34,068 | \$ 12,025 | \$ 10,551 | \$ 5,858 | \$ 19,730 | \$ 21,533      | \$ 157,445 |
| I OLAI MEHIDEI GUDSIGIES            | φ          | φ 23,313  | φ 34,U00  | φ 12,U23  | φ 10,551  | φ υ,000  | φ 13,/3U  | <b>ψ∠1,333</b> | φ 101,440  |

# NOTE:

Budget Amendments 1 & 2 are not reflected in this Exhibit - fiscal impact by line is unknown at this time.

Exhibit 3.9 FY2015-16 to FY2019-20 Revenue Sources Trend

|                                      | F  | Y2015-16 | F' | Y2016-17 | ı  | FY2017-18 | F  | Y2018-19 | F  | Y2019-20 | CHANGE FROM      |
|--------------------------------------|----|----------|----|----------|----|-----------|----|----------|----|----------|------------------|
| (000's)                              | A  | CTUALS   | Α  | CTUALS   |    | ACTUALS   |    | BUDGET   | E  | BUDGET   | FY2018-19 BUDGET |
| Operating Revenues                   |    |          |    |          |    |           |    |          |    |          |                  |
| Farebox                              | \$ | 84,524   | \$ | 83,373   | \$ | 82,699    | \$ | 85,636   | \$ | 89,983   | 5.1%             |
| Dispatching Agreements               |    | 2,120    |    | 2,016    |    | 2,133     |    | 2,120    |    | 2,172    | 2.5%             |
| Other Operating (1)                  |    | 429      |    | 762      |    | 463       |    | 490      |    | 257      | (47.5%)          |
| Maintenance-of-Way                   |    | 12,434   |    | 12,384   |    | 12,789    |    | 12,561   |    | 13,011   | 3.6%             |
| Local Funds for Operating (2)        |    | 127,173  |    | 129,498  |    | 134,818   |    | 150,550  |    | 157,445  | 4.6%             |
| Subtotal Operating Revenues          | \$ | 226,680  | \$ | 228,032  | \$ | 232,902   | \$ | 251,356  | \$ | 262,869  | 0.6%             |
| Percent of Total Revenues            |    | 73.4%    |    | 76.9%    |    | 73.9%     |    | 58.5%    |    | 56.0%    |                  |
| Capital Revenues (3)                 |    |          |    |          |    |           |    |          |    |          |                  |
| State                                | \$ | 29,997   | \$ | 22,183   | \$ | 21,472    | \$ | 2,748    | \$ | 176      | (93.6%)          |
| Federal                              |    | 31,677   |    | 14,915   |    | 26,795    |    | 4,428    |    | 1,353    | (69.4%)          |
| Interest on Lease Proceeds           |    | -        |    | 75       |    | -         |    | -        |    | -        | N/A              |
| Union Pacific Railroad/BNSF          |    | -        |    | -        |    | -         |    | 26       |    | -        | N/A              |
| Amtrak                               |    | -        |    | -        |    | -         |    | -        |    | -        | N/A              |
| Other Non-Member (includes           |    |          |    |          |    |           |    |          |    |          |                  |
| insurance recoveries)                |    | 9,788    |    | 15,774   |    | 9,585     |    | -        |    | 35       | N/A              |
| Local Funds for Capital              |    | 10,808   |    | 15,495   |    | 24,459    |    | 2,365    |    | 1,640    | (30.7%)          |
| Carryover from prior year (4)(5)     |    | N/A      |    | N/A      |    | N/A       |    | 168,878  |    | 203,190  | 20.3%            |
| Subtotal Capital Revenues            | \$ | 82,270   | \$ | 68,443   | \$ | 82,311    | \$ | 178,445  | \$ | 206,393  | 150.7%           |
| Percent of Total Revenues            |    | 26.6%    |    | 23.1%    |    | 26.1%     |    | 41.5%    |    | 44.0%    | N/A              |
| Total Revenues                       | \$ | 308,950  | \$ | 296,475  | \$ | 315,213   | \$ | 429,801  | \$ | 469,262  | 48.9%            |
| Local Revenues as a Percent of Total |    | 44.7%    |    | 48.9%    |    | 50.5%     |    | 35.6%    |    | 33.9%    |                  |

### NOTES

This chart does not reflect the amounts for CMAQ \$2,844 million, and Preventive Maintenance \$24,017 million that will be available in FY2019-20.

<sup>(1)</sup> Other Revenues include one-time and other non-recurring sources.

<sup>(2)</sup> In FY2017-18, FY2018-19 and FY2019-20 a portion of local funds will be reimbursed by a Federal Preventive Maintenance grant.

<sup>(3)</sup> Each year includes only that amount expended within that year.

<sup>(4)</sup> There is no separate category for carryover in FY2015-16 through FY2017-18 because funding types are identified when expenses were recorded and categorized in the appropriate

<sup>(5)</sup> Carryover amounts are included in specific categories in years which are actual. Carryover amounts for budgeted years reflect expected expenditures as calculated at the time of the Budget Adoption. In FY2018-19 budget column, the estimated amount was \$168.9M. In FY2019-20 budget column, the estimated amount is \$203.2M of total \$507.4M carryover for Rehabilitation and New Capital projects. This FY2019-20 expended amount includes \$81.6M from Tier 4 locomotives, \$10.3M from Ticket Vending Machine, \$95.0M from rehabilitation projects, and \$16.3M from other new capital projects.

Exhibit 3.10 FY2019-20 Budget Revenue Sources and Use by Member Agency

| (000's)                             |         |        |        |        |        |        | Total     | % of   |
|-------------------------------------|---------|--------|--------|--------|--------|--------|-----------|--------|
| Operating Budget                    | METRO   | OCTA   | RCTC   | SBCTA  | VCTC   | System | FY2019-20 | Total  |
| Local Funds For Operating           | 77,988  | 30,288 | 21,284 | 17,156 | 10,729 | -      | 157,445   | 59.9%  |
| Operations                          | 60,915  | 23,488 | 18,463 | 12,245 | 8,379  | -      | 123,490   | 47.0%  |
| Maintenance-of-Way                  | 17,073  | 6,799  | 2,821  | 4,911  | 2,350  | -      | 33,955    | 12.9%  |
| Other Operating Revenues            | 53,191  | 27,812 | 8,884  | 12,401 | 3,135  | -      | 105,423   | 40.1%  |
| Farebox Revenue                     | 44,250  | 24,427 | 8,179  | 10,748 | 2,378  | -      | 89,983    | 34.2%  |
| Non-Fare Operating Revenue          | 1,245   | 771    | 36     | 100    | 278    | -      | 2,429     | 0.9%   |
| MOW Revenues                        | 7,696   | 2,613  | 670    | 1,553  | 479    | -      | 13,011    | 4.9%   |
| Total Funding Sources For Operating | 131,179 | 58,100 | 30,168 | 29,557 | 13,865 | -      | 262,869   | 100.0% |

| Total Operating Expenditures          | 131,179 | 58,100 | 30,168 | 29,557 | 13,865 | • | 262,869 | 100.0% |
|---------------------------------------|---------|--------|--------|--------|--------|---|---------|--------|
| Operating Expenditures (Excludes MOW) | 106,410 | 48,687 | 26,677 | 23,093 | 11,035 | - | 215,902 | 82.1%  |
| Maintenance-of-Way                    | 24,769  | 9,413  | 3,491  | 6,464  | 2,829  | - | 46,966  | 17.9%  |

| Capital Program Expenditure in FY2019-20         | METRO  | ОСТА   | RCTC  | SBCTA  | vстс  | System  | Total<br>FY2019-20 | % of<br>Total |
|--|--------|--------|-------|--------|-------|---------|--------------------|---------------|
| Local Funds For Capital                          | 1,587  | -      | -     | -      | 53    | 35      | 1,675              | 0.8%          |
| New Capital                                      | 49     | -      | -     | -      | -     | 35      | 84                 | 0.0%          |
| Rehabilitation/Renovation                        | 1,538  | -      | -     | -      | 53    | -       | 1,591              | 0.8%          |
| Other Capital Revenues                           | -      | 626    | 91    | 405    | 406   | -       | 1,528              | 0.7%          |
| Interest on Lease Proceeds                       | -      | -      | -     | -      | -     | -       | -                  | 0.0%          |
| Other Non-Member (includes insurance recoveries) | -      | -      | -     | -      | -     | -       | -                  | 0.0%          |
| State Funds                                      | -      | -      | -     | 72     | 104   | -       | 176                | 0.1%          |
| Federal Funds                                    | -      | 626    | 91    | 334    | 302   | -       | 1,353              | 0.7%          |
| UPRR Funds                                       | -      | -      | -     | -      | -     | -       | -                  | 0.0%          |
| Carryover Expenditures in FY20                   | 39,049 | 18,842 | 6,875 | 10,097 | 9,461 | 118,865 | 203,190            | 98.4%         |
| Total Funding Sources For Capital Program        | 40,636 | 19,468 | 6,966 | 10,503 | 9,920 | 118,900 | 206,393            | 100.0%        |

| Total Capital Program Expenditures in FY20 | 40,636 | 19,468 | 6,966 | 10,503 | 9,920 | 118,900 | 206,393 | 100.0% |
|--|--------|--------|-------|--------|-------|---------|---------|--------|
| New Capital                                | 49     | 17     | 20    | 16     | 6     | 35      | 143     | 0.1%   |
| Rehabilitation/Renovation                  | 1,538  | 609    | 71    | 390    | 453   | -       | 3,061   | 1.5%   |
| Carryover from prior year                  | 39,049 | 18,842 | 6,875 | 10,097 | 9,461 | 118,865 | 203,190 | 98.4%  |

| Total Proposed Expenditures | 171,816 | 77,568 | 37,134 | 40,060 | 23,785 | 118,900 | 469,262 | N/A |
|-----------------------------|---------|--------|--------|--------|--------|---------|---------|-----|

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# SECTION 4 OPERATING REVENUES

# SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY

# **FY2019-20 BUDGET**

# **SECTION 4: Operating Revenues**

# 4.1 Introduction

SCRRA's funding requirement for the FY2019-20 Operating Budget is \$262.9 million. Funding for the Operating Budget is provided by a combination of SCRRA generated revenues and subsidies from the five Member Agencies. SCRRA revenues include farebox, dispatching, Maintenance-of-Way (MOW), and miscellaneous revenue sources. The FY2019-20 Member Agency subsidy requirement of \$157.4 million represents a \$6.9 million, or 4.6%, increase from the FY2018-19 Budget.

SCRRA estimated FY2019-20 Revenues are \$105.4 million, an increase of \$4.6 million from the FY2018-19 Budget. In FY2018-19 and FY2019-20, total revenues are budgeted as follows:

|                 | FY 2018-19 |         |    | FY 2019-20 | CHANGE FROM FY2018-19 BUDGET |             |            |  |  |  |  |
|-----------------|------------|---------|----|------------|------------------------------|-------------|------------|--|--|--|--|
|                 |            | BUDGET  |    | BUDGET     |                              | \$ VARIANCE | % VARIANCE |  |  |  |  |
| Farebox         | \$         | 85,636  | \$ | 89,983     | \$                           | 4,347       | 5.1%       |  |  |  |  |
| Dispatching     |            | 2,120   |    | 2,172      |                              | 52          | 2.5%       |  |  |  |  |
| Other Revenues  |            | 490     |    | 257        |                              | (233)       | (47.6%)    |  |  |  |  |
| MOW Revenues    |            | 12,561  |    | 13,011     |                              | 450         | 3.6%       |  |  |  |  |
| Subtotal        |            | 100,806 |    | 105,423    |                              | 4,617       | 4.6%       |  |  |  |  |
| Member Agencies |            | 150,550 |    | 157,445    |                              | 6,895       | 4.6%       |  |  |  |  |
| Total           | \$         | 251,356 | \$ | 262,869    | \$                           | 11,512      | 4.6%       |  |  |  |  |

Numbers may not foot due to rounding.

As shown in Section 6 - Member Agency Subsidies, operational subsidies are effectively reduced by the annual Congestion Mitigation Air Quality Grant (CMAQ) and Preventive Maintenance Federal Formula Funds, which are claimed by Metrolink and passed on to Member Agencies.

# 4.2 Farebox Revenues – Marketing

The Strategic Plan, adopted March 11, 2016, identifies goals to maintain fiscal sustainability, increase non-fare revenues, retain and grow ridership, increase regional mobility, and improve communications to customers and stakeholders.

In FY18-19, the Board approved an increased marketing investment of \$3.9 million to help the Agency grow ridership and revenue. The strategy included a three-pronged approach to attract new riders, retain current riders and recapture former riders and to customize the marketing by line.

As a result of the FY19 increased \$3.9 marketing investment, Staff were able to generate new ridership for the Agency. For FY20, Staff will focus on retention of that ridership through development of a loyalty program as one of the key marketing strategies. A loyalty program will reward, encourage and incentivize our riders to continue to take Metrolink. The goals of a loyalty program include increased customer loyalty (reduction of churn) and revenues and to obtain information to help understand consumer purchase behavior. Currently, rider churn is 27%. Retention of new ridership will drive reduced churn. For each 1% reduction in churn, revenue is impacted by an increase of \$.08 million.

In FY2019-20, Staff will also focus on increasing revenue through the Corporate Partner Program (CPP). The focus will include a revamped sales approach to the existing program and will incorporate our Member Agencies and third-party benefit vendors to develop a more cohesive, customer-focused program. Staff will also develop new sales and marketing materials and work to build and maintain stronger relationships with existing CPP clients to row ridership.

Staff will ramp up efforts to increase revenue generated from on-train advertising, experiential events and entertainment/location filming. The focus will also be to maximize advertising revenue by monetizing other Metrolink-owned properties including Metrolink's website, timetables, and the newsletter, Metrolink Matters.

Strategic planning goals have been integrated into this plan, which is the foundation of all efforts. Monthly meetings will continue to occur with Member Agencies for marketing coordination purposes.

# **Key Marketing Goals**

- Implement a loyalty program to improve rider retention and reduce customer churn.
- Continue to track and monitor marketing campaigns and optimize performance on an ongoing basis by adjusting messaging, visuals and strategy as required.
- Improve revenue generated through the CPP.
- Increase revenue generated through advertising, sponsorship, and filming opportunities.

# 4.3 MOW Revenues

Freight railroads and Amtrak Intercity Services operating over territory owned by Member Agencies provide MOW revenues, based upon existing agreements. MOW revenue is projected at \$13.0 million, or \$0.5 million more than the FY2018-19 Budget. The details of MOW payments and their source are as shown in *Exhibit 4.2*, which displays that the increase in revenue is over the entire portfolio as a result of the improved economy yielding more freight. The amounts are also affected by the slight increase in the AAR annual rate.

# 4.4 Dispatching Revenues

Freight railroads and Amtrak Intercity Services operating over territory owned by Member Agencies provide dispatching revenues, based upon existing agreements. Dispatching Revenues in FY2019-20 is projected at \$2.2 million, which is 2.5% more than the FY2018-19 Budget. The increase is reflective of the projected AAR rate increase.

# 4.5 Exhibits

**Exhibit 4.1:** FY2015-16 to FY2019-20 Fare Revenue and Ridership provides average daily ridership, total fare revenue and revenue per rider for weekend and weekdays. Data is provided for each operating line with comparisons to prior year.

*Exhibit 4.2*: FY2015-16 to FY2019-20 MOW Revenue Trends details various MOW revenue agreements by territory and source with annual actual revenues for Y2015-16, FY2016-17 and FY2017-18, and budgeted revenues for FY2018-19 and FY2019-20.

**Exhibit 4.3:** FY2015-16 to FY2019-20 Dispatching Revenue Trends lists various dispatching revenue agreements by territory with annual actual revenues for FY2015-16, FY2016-17 and FY2017-18, and budgeted revenues for FY2018-19 and FY2019-20.

**Exhibit 4.4:** FY2015-16 to FY2019-20 Other Operating Revenue Trends lists various revenue sources such as Amtrak TVM and interest with annual actual revenues for FY2015-16, FY2016-17 and FY2017-18, and budgeted revenues for FY2018-19 and FY2019-20.

Exhibit 4.1 FY2015-16 to FY2019-20 Fare Revenue and Ridership

|                  |           |           | AVERAGE DA | AILY RIDERSI | HIP       |                           |           | REV       | ENUE/RIDER | (\$'s)    |           | FARE REVENUE (\$000's) |           |           |           |            |                           |
|------------------|-----------|-----------|------------|--------------|-----------|---------------------------|-----------|-----------|------------|-----------|-----------|------------------------|-----------|-----------|-----------|------------|---------------------------|
|                  | FY2015-16 | FY2016-17 | FY2017-18  | FY2018-19    | FY2019-20 | % CHANGE                  | FY2015-16 | FY2016-17 | FY2017-18  | FY2018-19 | FY2019-20 | FY2015-16              | FY2016-17 | FY2017-18 | FY2018-19 | FY2019-20  | % CHANGE                  |
| Operating Line   | ACTUAL    | ACTUAL    | ACTUAL     | BUDGET       | BUDGET    | FROM FY2018-<br>19 BUDGET | ACTUAL    | ACTUAL    | ACTUAL     | BUDGET    | BUDGET    | ACTUAL                 | ACTUAL    | ACTUAL    | BUDGET    | BUDGET (1) | FROM FY2018-<br>19 BUDGET |
| San Bernardino   |           |           |            |              |           |                           |           |           |            |           |           |                        |           |           |           |            |                           |
| Weekday          | 10,407    | 9,271     | 9,141      | 10,774       | 11,083    | 2.9%                      | 7.56      | 7.87      | 7.81       | 6.82      | 6.69      | 20,447                 | 18,969    | 18,572    | 19,111    | 19,271     | 0.8%                      |
| Weekend          | 3,538     | 3,220     | 3,238      | 3,622        | 3,799     | 4.9%                      | 5.36      | 6.21      | 6.30       | 5.41      | 4.94      | 1,972                  | 2,079     | 2,121     | 2,037     | 1,952      | (4.2%)                    |
| Ventura County   |           |           |            |              |           |                           |           |           |            |           |           |                        |           |           |           |            |                           |
| Weekday          | 3,778     | 4,175     | 4,182      | 4,432        | 4,498     | 1.5%                      | 6.58      | 5.74      | 5.55       | 5.74      | 5.59      | 6,467                  | 6,230     | 6,031     | 6,613     | 6,535      | (1.2%)                    |
| Weekend (2)      |           |           |            |              | 291       |                           |           |           |            |           | 4.75      |                        |           |           |           | 18         |                           |
| Antelope Valley  |           |           |            |              |           |                           |           |           |            |           |           |                        |           |           |           |            |                           |
| Weekday          | 6,048     | 5,767     | 6,070      | 6,453        | 6,971     | 8.0%                      | 6.53      | 6.72      | 6.37       | 6.52      | 6.48      | 10,275                 | 10,077    | 10,055    | 10,933    | 11,747     | 7.4%                      |
| Weekend          | 2,635     | 2,113     | 2,186      | 2,113        | 2,302     | 8.9%                      | 5.08      | 6.65      | 6.82       | 5.76      | 5.95      | 1,391                  | 1,462     | 1,550     | 1,267     | 1,425      | 12.5%                     |
| Riverside        | 4,404     | 3,863     | 3,880      | 3,721        | 3,962     | 6.5%                      | 7.75      | 8.67      | 8.61       | 8.67      | 8.72      | 8,870                  | 8,705     | 8,688     | 8,386     | 8,979      | 7.1%                      |
| Orange County    |           |           |            |              |           |                           |           |           |            |           |           |                        |           |           |           |            |                           |
| Weekday          | 8,242     | 9,657     | 9,497      | 10,080       | 10,590    | 5.1%                      | 9.33      | 8.03      | 8.19       | 8.09      | 8.46      | 19,989                 | 20,158    | 20,231    | 21,201    | 23,296     | 9.9%                      |
| Weekend          | 2,206     | 1,985     | 2,138      | 2,189        | 2,379     | 8.7%                      | 5.90      | 7.11      | 7.06       | 5.73      | 5.87      | 1,353                  | 1,468     | 1,569     | 1,304     | 1,452      | 11.4%                     |
| OC MSEP          | 345       | 440       | 482        | 439          | 275       | (37.3%)                   | 5.07      | 3.58      | 3.12       | 7.75      | 5.81      | 455                    | 410       | 391       | 885       | 416        | (53.0%)                   |
| IEOC             |           |           |            |              |           |                           |           |           |            |           |           |                        |           |           |           |            |                           |
| Weekday          | 4,438     | 4,673     | 4,632      | 4,624        | 4,784     | 3.5%                      | 6.98      | 6.38      | 6.11       | 5.63      | 5.61      | 8,057                  | 7,751     | 7,355     | 6,770     | 6,980      | 3.1%                      |
| Weekend          | 935       | 1,513     | 1,578      | 1,543        | 1,535     | (0.5%)                    | 4.27      | 2.33      | 2.33       | 5.82      | 5.88      | 415                    | 366       | 382       | 934       | 939        | 0.6%                      |
| 91/Perris Valley |           |           |            |              |           |                           |           |           |            |           |           |                        |           |           |           |            |                           |
| Weekday          | 2,610     | 3,109     | 3,121      | 3,330        | 3,256     | (2.2%)                    | 6.64      | 6.64      | 6.67       | 6.54      | 7.59      | 4,508                  | 5,367     | 5,411     | 5,664     | 6,422      | 13.4%                     |
| Weekend          | 546       | 708       | 739        | 877          | 820       | (6.5%)                    | 5.71      | 4.50      | 4.46       | 5.83      | 6.46      | 324                    | 331       | 343       | 532       | 551        | 3.5%                      |
| Totals           |           |           |            |              |           |                           |           |           |            |           |           |                        |           |           |           |            |                           |
| Weekday          | 40,272    | 40,955    | 41,005     | 43,852       | 45,418    | 3.6%                      | 7.55      | 7.29      | 7.20       | 6.98      | 7.08      | 79,069                 | 77,667    | 76,735    | 79,562    | 83,647     | 5.1%                      |
| Weekend          | 9,859     | 9,539     | 9,879      | 10,343       | 11,126    | 7.6%                      | 5.32      | 5.75      | 5.80       | 5.65      | 5.48      | 5,455                  | 5,706     | 5,964     | 6,073     | 6,337      | 4.3%                      |
| Total            | 50,132    | 50,494    | 50,883     | 54,196       | 56,544    | 4.3%                      | 7.35      | 7.16      | 7.08       | 6.86      | 6.94      | 84,524                 | 83,373    | 82,699    | 85,636    | 89,983     | 5.1%                      |

# NOTES:

<sup>(1)</sup> FY20 fare revenue budget is projected with FY18 actual average fare per rider and ridership trends

<sup>(2)</sup> Ventura weekend service is for 13 Saturdays

Exhibit 4.2 FY2015-16 to FY2019-20 Maintenance-of-Way (MOW) Revenue Trends

| (000's)  | FY2015-16 | FY16-17   | FY2017-18 | FY2018-19 | FY2019-20 | CHANGE FROM      |
|--|-----------|-----------|-----------|-----------|-----------|------------------|
| Agreement/Territory                              | ACTUALS   | ACTUALS   | ACTUALS   | BUDGET    | BUDGET    | FY2018-19 BUDGET |
|  |           |           |           |           |           |                  |
| Amtrak Intercity Services                        | \$ 916    | \$ 959    | \$ 941    | \$ 938    | \$ 965    | 2.8%             |
| LAUS Rail Yard Operations & Maintenance (Amtrak) | 502       | 599       | 750       | 623       | 781       | 25.2%            |
| Azusa Branch Shared Use (UPRR/SPTC)              | 135       | 130       | 136       | 133       | 140       | 4.8%             |
| Baldwin Park Branch Shared Use (UPRR/SPTC)       | 301       | 126       | 220       | 129       | 225       | 74.6%            |
| Coast & Saugus Shared Use (UPRR/SPTC)            | 5,161     | 4,391     | 4,391     | 4,391     | 4,391     | 0.0%             |
| East Bank Joint Facility (UPRR/SPTC)             | 701       | 832       | 864       | 866       | 885       | 2.2%             |
| Mission Tower (UPRR/SPTC)                        | 120       | 179       | 192       | 186       | 197       | 5.9%             |
| San Diego & Olive Subdivision Shared Use (BNSF)  | 1,708     | 1,693     | 1,717     | 1,736     | 1,760     | 1.4%             |
| Pasadena Subdivision Shared Use (BNSF)           | 2,219     | 2,200     | 2,230     | 2,255     | 2,286     | 1.4%             |
| State Grade Crossing (CPUC)                      | 297       | 306       | 328       | 306       | 328       | 7.2%             |
| PVL/San Jacinto Subdivision Shared Use (BNSF)    | 54        | 644       | 653       | 660       | 670       | 1.4%             |
| Redlands Subdivision Shared Use (BNSF)           | 216       | 214       | 217       | 219       | 222       | 1.3%             |
| Crossing Maintenance Fees                        | 105       | 109       | 149       | 118       | 162       | 37.0%            |
| Federal/Other Funds                              | -         | -         | -         | -         | -         | N/A              |
| Total  | \$ 12,434 | \$ 12,384 | \$ 12,789 | \$ 12,561 | \$ 13,011 | 3.6%             |

Exhibit 4.3 FY2015-16 to FY2019-20 Dispatching Revenue Trends

| (000's)   | FY2015-16 | FY2016-17 | FY2017-18 | FY2018-19 | FY2019-20 | CHANGE FROM      |
|---|-----------|-----------|-----------|-----------|-----------|------------------|
| Agreement/Territory                             | ACTUALS   | ACTUALS   | ACTUALS   | BUDGET    | BUDGET    | FY2018-19 BUDGET |
|   |           |           |           |           |           |                  |
| Amtrak Intercity Services                       | \$ 1,425  | \$ 1,492  | \$ 1,464  | \$ 1,459  | \$ 1,501  | 2.9%             |
| Coast & Saugus Shared Use (UPRR/SPTC)           | 257       | 257       | 257       | 257       | 257       | 0.0%             |
| East Bank Joint Facility (UPRR/SPTC)            | 91        | 91        | 92        | 91        | 91        | 0.0%             |
| Mission Tower (UPRR/SPTC)                       | 222       | 46        | 183       | 180       | 183       | 1.7%             |
| San Diego & Olive Subdivision Shared Use (BNSF) | 58        | 54        | 59        | 55        | 60        | 8.4%             |
| Pasadena Subdivision Shared Use (BNSF)          | 61        | 64        | 71        | 66        | 72        | 10.4%            |
| San Jacinto Subdivision                         | 6         | 12        | 8         | 12        | 8         | (36.7%)          |
| North County Transit District (NCTD)            | -         | -         | -         | -         | -         | N/A              |
| Total   | \$ 2,120  | \$ 2,016  | \$ 2,133  | \$ 2,120  | \$ 2,172  | 2.5%             |

Exhibit 4.4 FY2015-16 to FY2019-20 Other Operating Revenue Trends

| (000's)                    | FY2015-16 | FY2016-17 | FY2017-18 | FY2018-19      | FY2019-20 | CHANGE FROM      |  |
|----------------------------|-----------|-----------|-----------|----------------|-----------|------------------|--|
| Revenue Source             | ACTUALS   | ACTUALS   | ACTUALS   | ACTUALS BUDGET |           | FY2018-19 BUDGET |  |
|                            |           |           |           |                |           |                  |  |
| Marketing Revenues         | \$ 74     | \$ 62     | \$ 11     | \$ 50          | \$ 50     | 0.0%             |  |
| Amtrak TVM Revenues        | 159       | 142       | 79        | -              | -         | N/A              |  |
| Lease Proceeds             | -         | 15        | -         | -              | -         | N/A              |  |
| Rolling Stock Rental       | -         | 67        | -         | -              | -         | N/A              |  |
| LAWA (Fly-away) Commission | -         | -         | -         | 48             | -         | (100.0%)         |  |
| Flex Payment Gain          | -         | -         | -         | 15             | -         | (100.0%)         |  |
| Citations                  | -         | -         | -         | 35             | -         | (100.0%)         |  |
| Allocable Interest         | -         | 7         | -         | 7              | -         | (100.0%)         |  |
| Insurance Recoveries       | 2         | 2         | -         | -              | -         | N/A              |  |
| Interest                   | 2         | -         | -         | -              | -         | N/A              |  |
| Miscellaneous Revenues     | 22        | 152       | 128       | 15             | 107       | 613.3%           |  |
| TPA Earnings               | 167       | 289       | 202       | 100            | 100       | 0.0%             |  |
| Gain On Disposal Of Asset  | -         | 16        | 33        | 220            | -         | (100.0%)         |  |
| Scrap and Salvage Sales    | 4         | 8         | 11        | -              | -         | N/A              |  |
|                            |           |           |           |                |           |                  |  |
| Total                      | \$ 429    | \$ 762    | \$ 463    | \$ 490         | \$ 257    | (47.5%)          |  |

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# SECTION 5

# OPERATING EXPENSES

# SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY

# **FY2019-20 BUDGET**

**SECTION 5: Operating Expenses** 

# 5.1 Introduction

SCRRA's Operating Expenses for FY2019-20 are projected at \$262.9 million. This cost includes three key budgetary components: Train Operations, Maintenance-of-Way (MOW) and Insurance Expense. Note that the categories of Train Operations, Administration & Services and Non-Train Ops Contingency are herein combined with and referred to as "Train Operations." Train Operations costs are \$201.7 million, or 76.7% of the total Operating Budget. MOW costs are \$47.0 million, or 17.9% of the total Operating Budget. Insurance expenses are \$14.2 million, or 5.4% of the total Operating Budget.

The approach for budgeting was a zero base. Each item submitted for inclusion in the FY2019-20 Budget required specific justification. Justification for cost submissions were reviewed, cost center by cost center, line by line. Tighter controls were instituted to ensure conformance to already established guidelines – for example, all supplies and mailing costs are to be ordered through the HQ administrative function. Meetings were then held with budgeters, managers, Deputy Chiefs and Chiefs to reach agreement on necessary and appropriate expense in the current environment. A particularly stringent review was dedicated to the "Big Five" vendors (Amtrak, Bombardier, Sheriff, Mass Electric, VTMI) as they comprise more than 40% of the Operating Expenses.

Review protocols were instituted in FY2018 to ensure Managers, Deputy Chiefs and Chiefs of all areas are apprised of the latest expense trends in their respective areas.

# 5.2 Operating Budget Assumptions

# 5.2.1 Service Levels

The FY2019-20 Budget reflects the operation of 175 weekday trains on seven lines and 92 regular weekend trains operating on five lines. Currently, weekend services offered both Saturday and Sunday, will be operated on the San Bernardino, Orange County, 91/PVL, IEOC and Antelope Valley lines.

New services on the following lines will be implemented in FY2019-20:

- Orange County line
- San Bernardino line
- 91/Perris Valley line
- Ventura line

The map and details of new services are described in Section 3.1.4.

A FY2018-19 pilot program of \$10 Sunday service on the six national holidays has been made a permanent offering and is included in this budget.

# 5.2.2 Cost Allocations

Operations expenses are distributed to the operating lines, and subsequently to Member Agencies, based on a number of formulae approved by the Member Agencies. Multiple allocation categories are used to apply SCRRA operating costs to the various line segments and Member Agencies. Key formula types include train miles, train miles lagged, ridership, route miles dispatched, track miles and unduplicated stations.

These allocation categories are applied to specific budget line item components as outlined in Member Agency agreements. Examples include current budget year train miles used to allocate Train Operations, fuel and operating contingency funds. More complex allocations are applied directly to line segments or territories, and are used for rail agreements, MOW, transfer payments and Amtrak passenger transfers. Items such as direct Train Operations expenses and fuel are distributed based on train miles, while payments to freight railroads are charged directly to operating lines associated with the specific freight lines. These allocation formulae are described in Section 11 – Appendix.

# 5.3 Train Operations

Train Operations expenses of \$201.7 million have increased \$8.3 million, or 4.3%, over the FY2018-19 Budget. These costs include multiple functional subcomponents, which are segmented to permit allocation to operating line segments and to Member Agencies.

This portion of the Operating Budget includes expenses required to operate the Metrolink system, including rail operations, maintenance of equipment, fuel, security, utilities, transfer payments to other transit operators and revenue collection. Payments to freight railroads for dispatching services, station maintenance, passenger services, general and administrative expenses and professional service also add to Train Operation expenses.

# **5.3.1 Train Operations Components**

There are several key groupings of costs associated with Train Operations. These categories relate to groupings that are then allocated to Member Agencies.

# Train Operations - Crews

Cost in FY2019-20 have increased only to the extent of contractual increases, plus the cost of new service. The increase is 4.4% or \$1.8 million.

# Train Operations - Dispatching

The costs of SCRRA-provided dispatching services over the right-of-way territories owned by the SCRRA Member Agencies increased by 9.2%, or \$0.4 million, in FY2019-20.

# **Equipment Maintenance**

The Equipment Maintenance budget for FY2019-20 totals \$36.6 million, a decrease of \$1.5 million, or 3.9% from the FY2018-19 Budget. This is comprised of three types of expense items:

- Outsourced mechanical services Eastern Maintenance Facility & Stuart Mesa (primarily Bombardier) totals \$27.0 million
- Materials issued from inventory to effect repairs totals \$9.3 million
- Other Mechanical Services totals \$0.3 million

Outsourced mechanical services are budgeted to increase \$0.9 million or 3.2% from the FY2018-19 Budget. A new service-specific, performance based, 8-year contract (starting in FY2017-18) was negotiated to provide a 3.5% maximum automatic escalator on these costs for same service after year one. Incentives and Services not in the base agreement are charged separately. The contract is performance based and includes penalties for non-performance. Incentives/Penalties are determined by average fleet availability.

Materials for rolling stock repairs are budgeted to decrease \$2.1 million, or 19%, as compared to the FY2018-19 Budget primarily as a result of new locomotives under warranty, and deferral of car maintenance in anticipation of major car overhauls.

#### Fuel

The budget assumes an annual consumption of 8.5 million gallons of fuel for train operations. FY2019-20 fuel prices will continue to be managed through a fuel hedging program. Fuel Hedging Program is intended to lower fuel budget risk and fuel cost volatility and allow for better planning and forecasting of fuel costs. The fuel budget of \$21.7 million is a \$3.0 million increase from the FY2018-19 Budget. New train service in FY2019-20 accounts for \$0.9 million of the budgeted increase.

# Non-Scheduled Rolling Stock Repairs/Modifications

Repairs to accommodate unforeseen medium-scaled damage to rolling stock or rolling stock modifications is budgeted at \$0.2 million, a \$0.1 million decrease from the FY2018-19 Budget.

# **Operating Facilities Maintenance**

This category includes janitorial services; maintenance and hazardous materials compliance at the Central Maintenance Facility (CMF) and other SCRRA facilities; repair, fueling and maintenance of Authority-owned rubber tire vehicles and facilities equipment (forklifts, cranes, etc.); maintenance of equipment for the routine repair of rolling stock. The total budget for this category for FY2019-20 is \$1.7 million, a 3.9% increase from the FY2018-19 Budget.

# Other Operating Train Services

This category involves items directly related to operating the rail system; weather data forecast and emergency reporting services, publications, printing of required manuals and the largest line item, emergency bus services. A new item included in this category for the FY2019-20 Budget is Quality Service Pledge Reimbursement. The projected expenditures of \$1.0 million is an increase of \$.0.5 million double the amount from the FY2018-19 Budget. The Quality Service Pledge is \$0.2 million of the increase. Bus bridges for planned service outages due to Capital Project activities are \$0.3 million and charged in this budget line item, while they were previously capital project expenses.

# **Special Trains**

A new category for this fiscal year, Special Trains are being included in the Operating Budget on the basis that Special Trains are important factors in both attracting new riders and fulfilling Metrolink's responsibility to serve communities. The budget for FY2019-20 has been established at \$0.8 million. Special Trains were previously managed as third-party agreements; they include trains for such events as Angels baseball games, Festival of Lights, Rams football games, and Lunar New Year.

#### **Rolling Stock Leases**

This category provides for the lease of three Locomotives to assist with service during the time Locomotives are being serviced or tested.

#### Security – Sheriff

Our contract with the Los Angeles County Sheriff's Department at \$6.1 million for FY2019-20 is \$0.2 million, or 3.5%, higher than the FY2018-19 Budget.

#### Security – Guards

FY2019-20 Security Guard costs of \$2.6 million is more than prior year by \$0.1 million or 4.2%.

# **Supplemental Additional Security**

This program is funded through an increment on fare revenues originally implemented in FY2002-03 calculated at 0.75% of fare revenues. These funds provide for specific non-recurring security-related expenses, such as improvements to station cameras, fences, lighting and other expenses related to security. Availability of these funds vary directly with the growth, or decline, in fare revenues. In FY2019-20, this amount is budgeted at \$0.7 million, slightly less than the FY2018-19 Budget.

# **Public Safety Program**

Public Safety is a subset of the System Safety Department created to handle OSHA training; public safety posters, materials and activities; employee Drug and Alcohol random testing as mandated by the Federal Railroad Administration (FRA); and Operation Lifesaver participation. The FY2019-20 Public Safety is \$0.4 million, or 8.2% more than the FY2018-19 Budget.

# **Passenger Relations**

The Passenger Relations budget furnishes funds primarily for the Call Center which provides multiple types of information to passengers seven days a week. The \$1.8 million budget is a 3.7% budgeted increase from the FY2018-19 Budget.

# Ticket Vending Machine (TVM) Maintenance/Revenue Collection

This includes maintenance of TVM, validators and all software related to mobile ticketing, revenue collection, ticket stock purchases, fare change programming and merchant fees for credit and debit card usage. The total for this line item in the FY2019-20 Budget is \$9.7 million, a \$0.6 million or 6.6% budgeted increase from the FY2018-19 Budget. The maintenance of our aged TVM machines have increased by \$0.4 million and must be maintained until the installation of the new system. New Ticket Vending Devices (TVDs) are expected to be installed over the next two years which will decrease these costs. The budgeted increase of \$0.2 million reflects increased costs for processing credit cards.

#### Marketing

The Marketing category totaling \$1.8 million is comprised of Marketing Department's budget of \$1.7 million and Planning Department's market research budget of \$0.1 million. For FY2019-20, the overall budget for Marketing Department decreased by \$3.6 million from the FY2018-19 Budget. The Marketing Department's budget includes advertising, Metrolink's weekend/destination programs, Corporate Partner Program (CPP), new resident direct mail campaign and customer outreach onboard trains and at stations. The decrease from last year was the result of a new marketing program totaling \$3.9 million initiated to reverse the continuing trend of declining ridership and revenue. Further analysis is necessary to determine the return on the marketing investment, to what extent this level of investment should be continued, and in what form. Until that determination is made, the focus will be on retaining riders and growing the CPP. Advertising to promote new service planned for FY2019-20 is \$0.3 million.

#### **Media/External Communications**

This includes media, public and community relations, website content development and the production of printed timetable schedules and Ride Guides. At \$0.5 million, this line item is flat as compared to the FY2018-19 Budget.

#### Utilities/Leases

Utility and lease budgets are estimated at current monthly average costs. The total amount in FY2019-20 Budget is \$2.7 million, a budgeted decrease of \$0.8 million, or 22.4%, from the FY2018-19 Budget. This Budget reduction was achieved through the implementation and use of more energy efficient equipment across the Agency.

#### **Transfers to Other Operators**

This line item is the amount Metrolink pays to other Transit Operators to allow Metrolink ticket holders to transfer without additional cost. The cost paid to other transit operators at \$5.3 million is \$1.2 million, or 18.4% less, than the FY2018-19 Budget. The reduction is the result of decreasing bus ridership. The largest portion of \$4.0 million is paid to Metro.

#### **Amtrak Transfers**

These funds represent costs to the Authority for the *Rail2Rail* program. Under this program, SCRRA, Amtrak and Caltrans agreed to collaborate in allowing reciprocal service to monthly pass holders on the Ventura and Orange County lines. LOSSAN (the operator of Amtrak) has increased their per passenger price to Metrolink. The \$2.4 million budget is the cap for this service and is flat with the FY2018-19 Budget.

#### **Station Maintenance**

For FY2019-20, Station Maintenance is budgeted at \$2.2 million. This line item represents the costs to maintain station equipment, including station displays, and maintenance of the Union Station Platform and related common area expenses. The process of reviewing common area maintenance costs of \$1.7 million to determine the equity of Union Station allocation of charges is continuing into this year. This category is \$0.4 million more than the FY2018-19 Budget, entirely due to the increase in Union Station maintenance.

# **Rail Agreements**

This line item represents payments to Union Pacific and Burlington Northern Santa Fe (BNSF) freight railroads, for dispatching and MOW services for Metrolink trains traveling over property owned by these railroads. The amount budgeted is \$6.4 million, reflecting a budgeted increase of \$1.0 million from the FY2018-19 Budget. An increase of \$0.8 million is related to new service in FY2019-20.

#### **Operations Salaries and Fringe Benefits**

Salaries and fringe benefits are projected based on the actual salary rate of each position charged to Train Operations with an assumed fringe benefit additive. A 2.0% COLA and a merit pool of 3.0% is included in the FY2019-20 budget. The

total salary and fringe benefit budget for Train Operations is up from the FY2018-19 Budget by \$0.8 million or 6.2%. The increase is due in part the result of three new approved positions totaling \$0.6 million, the assignment of Communication Coordinators to Dispatch under Train Operations, changes in labor distributions. *Exhibit 9.3* shows the complete current roster of SCRRA's 280 Full-Time Equivalent (FTE) positions by department.

#### **Operations Direct Non-Labor Costs**

This category totals \$8.8 million for FY2019-20, a budgeted increase of \$1.2 million from the FY2018-19 Budget. A total of \$6.7 million of this category, or 75.7%, is PTC software, maintenance agreements, tech support and utility costs which has increased \$0.9 million from the FY2018-19 Budget. Other costs include operations related Information Technology expenses of \$1.2 million, which has increased \$0.3 million. This category also includes \$1.0 million consisting of travel and lodging expenses for employee training, and conferences, operations memberships, gasoline and maintenance and repairs for operating department vehicles, and miscellaneous expenses.

# **Indirect Administrative Expenses**

The Indirect Administrative Expense category represents the Train Operations budget sector's share of the Authority's General and Administrative (G&A) costs. Indirect expenses allocated here total \$20.8 million for FY2019-20, up \$2.7 million, or 21.4%, from the FY2018-19 Budget. An increase to Fringe Benefits is \$1.2 million of this increase; an additional \$1.5 million of the increase is the result of changes to Overhead allocations between Operating expense and capital projects arising from an FTA audit; the remaining increase is the effect of COLA, merit, and salary adjustments. Please refer to Section 9 for a discussion of G&A costs and their allocation to the various budget pools.

#### **Operations Professional Services**

This category includes consultants and other outside professional services. In FY2019-20, the total budget is \$4.0 million, which is an increase of \$1.4 million, or 53.6%, from the FY2018-19 Budget. Outside legal services comprise \$1.1 million, or 28.2%, of the costs in this category an increase of 3% from FY2018-19. For FY2019-20 Disadvantaged Business Enterprise (DBE) consulting was incorporated into the Operating Budget increasing the budget by \$1.1 million. In previous years, 80% of the DBE costs were charged to Capital Projects.

#### Contingency

This line item is traditionally budgeted at \$0.5 million for use under authority of the Chief Executive Officer. This helps to deflect any unanticipated increase in expenses, avoid subsequent increases to Member Agency subsidies, in the event short-term negative expense impacts are realized during the fiscal year. It represents the primary general reserve fund of the budget. This year, we have again reduced that contingency to \$0.2 million, representing less than 0.1% of the Operating Budget for FY2019-20.

# **5.3.2 Train Operations Note**

FY2019-20 cost components by line item expenditure for Train Operations, see *Exhibit 3.6* FY2019-20 Annual Operating Budget by Cost Component by Fiscal Year and *Exhibit 3.7* FY2019-20 Annual Operating Budget by Cost Component by Member Agency.

# 5.4 Maintenance-of-Way (MOW)

This portion of the Operating Budget represents ordinary maintenance of the rights-of-way owned by Member Agencies and includes routine maintenance, inspection and repairs of track, structures, right-of-way, signal, communication and the train control systems. Overall, the FY2019-20 MOW expenses of \$47.0 million an increase of \$5.7 million, or 13.7%, compared to the FY2018-19 Budget. The increase is primarily the result two items: changes to the ICAP Allocation as a result of an FTA Audit causing shift of \$1.2 million in Overhead from Capital to Operating expense; and \$1.8 million in Salaries and Fringe also shifting from Capital to Operating expense. Other increases include procurement of parts and labor costs for the maintenance of track of \$0.5 million, \$1.0 million for the maintenance of signals, and \$0.3 million for structures. The cost of vegetation control has increased by \$0.2 million and Consultants increased by \$0.6 million.

SCRRA budgets for MOW expenses to ensure that the level of Ordinary Maintenance (OM) is sufficient to prevent any degradation of service quality or safety performance. The levels of maintenance required on the individual subdivisions are dependent upon the condition of the infrastructure, levels of commuter and freight train traffic, the number of road crossings and curves, and weather conditions. The condition of the infrastructure is also highly dependent on the level of funding available for Capital Maintenance (rehabilitation) in the Capital Program of the Budget.

To address Capital Maintenance needs SCRRA developed and distributed the Metrolink Rehabilitation Plan (MRP), which was a comprehensive assessment of the State of Good Repair (SOGR) of SCRRA's infrastructure and systems. The results of MRP indicated that after years of inadequate funding of rehabilitation projects, there is approximately \$412.5 million backlog of deferred SOGR or Capital Maintenance for SCRRA's Track and Structures. Economic realities suggest that several years will be required to reduce the backlog to acceptable levels. A strategy is now being developed to address the backlog with a major rehabilitation investment program.

#### **5.4.1 Assumptions**

MOW expenses are expenditures that provide OM of Member Agency-owned Track, Structures, Signals, and Road crossings. The most economical methods of replacement of Track elements (rail, ties, crossings, etc.) are through large specialized production-based projects. Best practice indicates periodic

replacement of elements, as they approach the end of their life cycle using Capital Maintenance while costs to perform inspections and routine repairs should be covered in the OM budget. The MOW policy of SCRRA is to perform ordinary maintenance sufficient to meet SCRRA maintenance standards in addition to regulatory requirements. Furthermore, to prevent loss of service quality and to budget for Rehabilitation at practical intervals, we strive to utilize the full life cycle of components/elements. This substantially reduces repairs and replacements from overwhelming the OM budget. This philosophy is consistent with other successful freight railroads on their main routes.

The primary function of OM is a continual cycle of inspections and reports on the condition of track, signals, grade crossings and bridges, and the performance of adjustments and/or repairs of any exceptions found in those inspections. The FRA has guidelines for minimum inspection schedules, standards for track, signal and grade crossing conditions, qualifications of inspectors and repairers, and documentation requirements for most inspections. To assure a high level of safety and quality on track and signal operation, SCRRA adheres to its own maintenance standards. These standards are stricter and inspections more frequent compared to the FRA minimum level. Thus, SCRRA shows that most conditions are discovered and repaired at an early stage of degradation before they become defects or violations under FRA regulations.

# 5.4.2 Conditions and Trends in the MOW Budget

Current year MOW budgets are developed annually to maintain the infrastructure in a state of high reliability and safety. They are based on assessing the actual quantities of infrastructure components, the number of contracted and maintenance personnel (SCRRA technicians, supervisors, inspectors, and managers/support) needed to perform the inspections and repairs, including amounts for material purchases, vehicles, supplies and support activities. Labor costs of contracted service providers are the largest component of the OM budget. The labor rates are based on rates obtained through competitively bid OM contracts. They are further verified by the California Department of Labor Statistics Prevailing Wages for railroad maintenance operations and adjusted annually by indexes specified in the contract.

Labor is budgeted with a percentage for overtime to support system failures, repair of systems caused by outside forces and vacancies in personnel headcount while recruitment efforts take place and to recover from unusual situations. Due to the number of commuter and freight trains operated mid-day, a large majority of OM work is being performed at night or during non-revenue service hours. Most contracts and labor agreements permit scheduled night work at premium straight time shift rates, if sufficient advance notice is given for a change of shift starting time. The OM labor budget includes two-shift coverage of track maintenance to assure that ordinary operations are accomplished with minimal disruption to peak-period commuter rail operations.

Recent increases in OM expenses can be attributed to two factors. One of those factors is the installation of Positive Train Control (PTC). The other factor is the lack of funding available for Rehabilitation projects in the Capital Program budget. While PTC will become stable, without future adequate Rehabilitation funding, an escalation of MOW cost will be unavoidable.

Many factors impact costs, therefore the actual operating allocations per line vary. For example, the Orange County, San Bernardino, and Ventura County lines have high density passenger train traffic and road crossings. Conversely, the River Corridor segment of tracks (both sides of the Los Angeles River from Redondo Junction on the south to CP Taylor on the north), carries heavy freight in addition to the passenger train traffic (including all SCRRA non-revenue movements in and out of the CMF). The Antelope Valley Line is a high curve and grade territory, which equates to an increased maintenance and inspection effort. The Ventura County line has light to moderate curves and grades, but older signal and grade crossing warning systems.

# **5.4.3 MOW Expenditure Components**

The MOW category includes six primary cost areas. Totals by area and line segments are shown on *Exhibit 5.4* and *Exhibit 5.5*.

Track includes MOW contractor costs of providing labor, equipment and some of the materials required to perform inspections mandated by the FRA, as well as additional special inspections and routine maintenance of SCRRA track.

Signal & Communications and Train Control Systems includes Signal and Communications contractor costs of providing labor, equipment and some of the materials required to perform inspections mandated by the FRA, as well as additional special inspections and routine maintenance of SCRRA signal and communication systems.

Structures includes MOW contractor costs of providing labor, equipment and some of the materials required to perform inspections mandated by the FRA, as well as additional special inspections and routine maintenance of SCRRA bridges, tunnels and other structures.

*Procurement* includes payments for items utilized in repair of track, signals, grade crossing warning and communication systems, or structures which are allocated to segments and counties on the basis of track miles.

Agency Costs include SCRRA labor, overhead and non-labor costs allocated to the MOW budget that are subsequently allocated to specific line segments on the basis of track miles.

Other Costs include payments for PTC elements, vegetation control, vehicle and equipment expense, rail flaw detection and engineering, which are also allocated to segments and counties on the basis of track miles.

# 5.4.4 MOW Net Revenue, Expenditure and Member Agency Funding

Total FY2019-20 MOW expenditures are projected at \$47.0 million and are funded by SCRRA generated MOW revenue and Member Agency subsidies. These costs and revenues are allocated over operating lines and Member Agencies. *Exhibit* 5.3 FY2019-20 Maintenance-of-Way Expenditures and Revenue Offsets shows the Operating and Non-Operating line allocation.

# 5.4.5 MOW Projections by Line Segment

The FY2019-20 MOW Line Segment Budget of \$47.0 million is allocated across the various line segments of SCRRA. These include the following segments:

- Los Angeles San Bernardino
- Los Angeles Ventura (Burbank Junction to Moorpark)
- Los Angeles Lancaster
- Fullerton San Diego County Line
- Olive Subdivision
- Riverside Layover Facility
- River Corridor
- Perris Valley

Non-Operating line segments include

- Sierra Madre Claremont (Pasadena Subdivision)
- Rialto Sub (San Bernardino County)
- Shortway Subdivision.
- Redlands 1st Mile
- Redlands Subdivision 1+

# **Maintenance-of-Way**

| (000's)                   | F` | Y2019-20 |
|---------------------------|----|----------|
| Operating Lines - MOW     | \$ | 43,449   |
| Non-Operating Lines       |    | 2,805    |
| Total Line Segments       |    | 46,254   |
| Extraordinary Maintenance |    | 712      |
| MOW Budgeted Expenses     | \$ | 46,966   |
|                           |    |          |

Numbers may not foot due to rounding.

#### NOTES:

Includes both MOW - Line Segments and Extraordinary MOW

Exhibit 5.4 FY2019-20 Maintenance-of-Way Expenditures by Line Segment / Territory – Operating Lines and Extraordinary and Exhibit 5.5 FY2019-20 Maintenance-of-Way Expenditures by Line Segment / Territory – Non-Operating Lines and Total show the allocation for MOW expenditures by line segment and Member Agency.

# 5.4.6 Extraordinary MOW

This section of MOW covers damages from vandalism, theft, crossing gate knockdowns, accidents, derailments, fires, storm damage, and other expenses related to prompt restoration following accidents or disasters. Immediate repairs are followed by permanent repairs.

Repairs to damages comply with current engineering standards and design criteria (i.e. a wooden bridge would be replaced with a steel/concrete bridge). Thus, funds are not used to rebuild obsolete infrastructure. Repairs may occur in two stages. First, the track is repaired to working condition to minimize disruption to commuter or freight trains. For example, wood ties and jointed rails are initially used, and later replaced with welded rails. Repair is complete when the replacement structure material matches the existing material (if the surrounding track has concrete ties, then the repair would not be complete until replacement concrete ties are installed).

Repairs to signal grade crossing warning and communications equipment are made to comply with current FRA/CPUC/OSHA regulatory requirements as well as engineering and safety standards (i.e., steel antenna structure would replace an antenna mounted on a wooden pole). Thus, mitigating personnel safety concerns and hazardous materials issues while enhancing the operational flexibility to achieve consistent system operations. Additionally, needed repairs to

signal, grade crossing warning and communications equipment and systems are made with consideration to current technologies. The rapid pace of changing technology and regulatory requirements, and the lack of vendor support for obsolete equipment as these technologies change, require that we make repairs with current and not obsolete products and technology.

Where possible, reimbursement for expenditures is sought if a responsible party is identifiable (e.g. derailment caused by freight railroad or damage caused by a motorist covered with insurance). The Authority will also look to emergency funding if available (e.g. FEMA). After deductibles are met, SCRRA insurance coverage may reimburse the Authority for these costs.

# 5.5 Insurance and Legal Expense

This category includes insurance premiums for Property, Liability, and Auto, in addition to claims, self-insurance costs and claims administration. In FY2019-20, Insurance and Legal total expenses of \$14.2 million have decreased by \$2.5 million or 14.9% from the FY2018-19 Budget. This change has been caused by a reduction of \$3.0 million in claims offset by a \$0.5 million increase in Insurance Premiums.

#### 5.6 Exhibits

**Exhibit 5.1:** FY2019-20 Service Assumptions details the operating service assumptions for weekday, Saturday and Sunday trains by operating line. FY2019-20 includes 175 weekday trains and 92 weekend trains.

**Exhibit 5.2:** FY 2016-17 to FY2019-20 Service Train Miles provides revenue train miles by operating line.

**Exhibit 5.3: FY2019-20 MOW Expenditures and Revenue Offsets** provides projections of MOW expenditures and funding sources. The revenues and expenditures are allocated by territory and Member Agency.

Exhibit 5.4: FY2016-17 to FY2019-20 MOW Expenditures by Line Segment / Territory – Operating Lines provides the cost of MOW for operating lines allocated across operating lines and Member Agencies.

Exhibit 5.5: FY2016-17 to FY2019-20 MOW Expenditures by Line Segment / Territory – Non-Operating Lines and Total including Extraordinary provides the cost of MOW for non-operating lines and the total costs including Extraordinary allocated across operating lines and Member Agencies.

Exhibit 5.1 FY2019-20 Service Assumptions

|                                       | Nur     | Number of Trains |        |  |  |  |  |
|---------------------------------------|---------|------------------|--------|--|--|--|--|
|                                       | Weekday | Saturday         | Sunday |  |  |  |  |
| San Bernardino Line                   |         |                  |        |  |  |  |  |
| San Bernardino Downtown-LAUS          | 40      | 20               | 14     |  |  |  |  |
| Ventura County Line                   |         |                  |        |  |  |  |  |
| Chatsworth-LAUS                       | 6       |                  |        |  |  |  |  |
| Moorpark-LAUS                         | 8       |                  |        |  |  |  |  |
| East Ventura-LAUS                     | 6       | 2                |        |  |  |  |  |
| Antelope Valley Line                  |         |                  |        |  |  |  |  |
| Santa Clarita-LAUS                    | 2       |                  |        |  |  |  |  |
| Via Princessa-LAUS                    | 8       |                  |        |  |  |  |  |
| Palmdale-LAUS                         | 2       |                  |        |  |  |  |  |
| Lancaster-LAUS                        | 18      | 12               | 12     |  |  |  |  |
| Riverside Line                        |         |                  |        |  |  |  |  |
| Riverside-LAUS                        | 12      |                  |        |  |  |  |  |
| 91/Perris Valley Line                 |         |                  |        |  |  |  |  |
| Riverside-LAUS                        | 3       |                  |        |  |  |  |  |
| South Perris-LAUS                     | 10      | 4                | 4      |  |  |  |  |
| South Perris-Riverside                | 2       |                  |        |  |  |  |  |
| Orange County Line                    |         |                  |        |  |  |  |  |
| Irvine-LAUS                           | 3       |                  |        |  |  |  |  |
| Laguna Niguel-LAUS                    | 10      |                  |        |  |  |  |  |
| Oceanside-LAUS                        | 12      | 8                | 8      |  |  |  |  |
| Fullerton-Laguna Niguel (MSEP)        | 2       |                  |        |  |  |  |  |
| Fullerton-Oceanside (MSEP)            | 2       |                  |        |  |  |  |  |
| IEOC Line                             |         |                  |        |  |  |  |  |
| San Bernardino Downtown-Irvine        | 1       |                  |        |  |  |  |  |
| San Bernardino Downtown-Laguna Niguel | 4       |                  |        |  |  |  |  |
| San Bernardino Downtown-Oceanside     | 3       | 4                | 4      |  |  |  |  |
| Riverside-Laguna Niguel               | 7       |                  |        |  |  |  |  |
| Riverside-Oceanside                   | 1       |                  |        |  |  |  |  |
| Burbank/Bob Hope Airport              |         |                  |        |  |  |  |  |
| Burbank Airport South-LAUS            | 13      |                  |        |  |  |  |  |
| Total                                 | 175     | 50               | 42     |  |  |  |  |

Exhibit 5.2 FY2016-17 to FY2019-20 Service Train Miles

| Line                             | FY2016-17 | FY2017-18 | FY2018-19  | FY2019-20  | VARIA<br>FY2019-20 V | _     |
|----------------------------------|-----------|-----------|------------|------------|----------------------|-------|
| Line                             |           |           |            |            |                      |       |
|                                  | ACTUALS   | ACTUALS   | BUDGET (1) | BUDGET (1) | MILES                | %     |
| San Bernardino Line              | 645,992   | 662,222   | 675,567    | 682,246    | 6,679                | 1.0%  |
| Ventura County Line              | 285,343   | 246,334   | 252,772    | 254,251    | 1,479                | 0.6%  |
| Antelope Valley Line             | 573,958   | 604,943   | 611,437    | 614,255    | 2,818                | 0.5%  |
| Riverside Line                   | 179,781   | 198,215   | 195,111    | 195,922    | 811                  | 0.4%  |
| 91/Perris Valley Line            | 240,192   | 229,354   | 229,353    | 284,005    | 54,653               | 23.8% |
| Orange County Line (incl MSEP)   | 503,028   | 536,236   | 534,454    | 585,593    | 51,139               | 9.6%  |
| Inland Empire/Orange County Line | 324,388   | 341,863   | 344,911    | 342,299    | (2,612)              | -0.8% |
| Total Service Train Miles        | 2,752,681 | 2,819,167 | 2,843,604  | 2,958,571  | 128,903              | 4.6%  |

Numbers may not foot due to rounding.

#### NOTES:

<sup>(1)</sup> San Bernardino Line and Inland Empire/Orange County Line have been extended to San Bernardino Downtown \* Service Train Miles: all train miles including deadheads and reallocation miles

Exhibit 5.3 FY2019-20 MOW Expenditures and Revenue Offsets

| Line Segment/Territory                     | М  | METRO |    | ОСТА  |    | RCTC | SBCTA |       | vстс |     | 2019-20<br>JDGET |
|--|----|-------|----|-------|----|------|-------|-------|------|-----|------------------|
| Operating Lines                            | \$ | 6,644 | \$ | 2,613 | \$ | 670  | \$    | 1,316 | \$   | 479 | \$<br>11,721     |
| LA - San Bernardino                        |    | 416   |    | -     |    | -    |       | 1,316 |      | -   | 1,732            |
| LA - Ventura (Burbank Jct to Moorpark)     |    | 730   |    | -     |    | -    |       | -     |      | 479 | 1,208            |
| LA - Lancaster                             |    | 3,624 |    | -     |    | -    |       | -     |      | -   | 3,624            |
| CRI-BURBANK JCT                            |    | -     |    | -     |    | -    |       | -     |      | -   | -                |
| Fullerton - San Diego County Line          |    | -     |    | 2,416 |    | -    |       | -     |      | -   | 2,416            |
| Olive Subdivision                          |    | -     |    | 197   |    | -    |       | -     |      | -   | 197              |
| Riverside Layover Facility                 |    | -     |    | -     |    | -    |       | -     |      | -   | -                |
| River Corridor                             |    | 1,874 |    | -     |    | -    |       | -     |      | -   | 1,874            |
| Perris Valley                              |    | -     |    | -     |    | 670  |       | -     |      | -   | 670              |
| Extraordinary Maintenance                  |    | -     |    | -     |    | -    |       | -     |      | -   | -                |
| (Storm Damage, Vandalism, Gate Knockdowns) |    |       |    |       |    |      |       |       |      |     |                  |
| Non-Operating Lines                        |    | 1,052 |    | -     |    | -    |       | 237   |      | -   | 1,289            |
| Sierra Madre - Claremont (Pasadena Sub)    |    | 1,052 |    | -     |    | -    |       | -     |      | -   | 1,052            |
| Rialto Sub (San Bernardino Co.)            |    | -     |    | -     |    | -    |       | 15    |      | -   | 15               |
| Shortway Sub                               |    | -     |    | -     | l  | -    |       | -     |      | -   | -                |
| Redlands 1st Mile                          |    | -     |    | -     |    | -    |       | -     |      | -   | -                |
| Redlands Sub MP1+                          |    | -     |    | -     |    | -    |       | 222   |      | -   | 222              |
| Total                                      | \$ | 7,696 | \$ | 2,613 | \$ | 670  | \$    | 1,553 | \$   | 479 | \$<br>13,011     |

#### Net Subsidy Allocation (000's)

| Line Segment/Territory                     | -  | METRO  |    | ОСТА  |    | RCTC  | ;  | SBCTA | vстс        | '2019-20<br>UDGET |
|--|----|--------|----|-------|----|-------|----|-------|-------------|-------------------|
| Operating Lines                            | \$ | 16,876 | \$ | 6,624 | \$ | 2,637 | \$ | 3,953 | \$<br>2,350 | \$<br>32,440      |
| LA - San Bernardino (1)                    |    | 4,136  |    | -     |    | -     |    | 2,922 | -           | 7,058             |
| LA - Ventura (Burbank Jct to Moorpark) (2) |    | 3,076  |    | -     |    | -     |    | -     | 1,925       | 5,001             |
| LA - Lancaster                             |    | 4,937  |    | -     |    | -     |    | -     | -           | 4,937             |
| CRI-BURBANK JCT                            |    | -      |    | -     |    | -     |    | -     | -           | -                 |
| Fullerton - San Diego County Line          |    | 948    |    | 4,220 |    | 710   |    | 130   | -           | 6,008             |
| Olive Subdivision                          |    | -      |    | 473   |    | 230   |    | 42    | -           | 745               |
| Riverside Layover Facility (3)             |    | 89     |    | 37    |    | 79    |    | 19    | -           | 224               |
| River Corridor (4)                         |    | 2,480  |    | 1,034 |    | 580   |    | 752   | 376         | 5,221             |
| Perris Valley                              |    | 793    |    | 758   |    | 971   |    | 12    | -           | 2,534             |
| Extraordinary Maintenance (5)              |    | 417    |    | 102   |    | 68    |    | 76    | 49          | 712               |
| (Storm Damage, Vandalism, Gate Knockdowns) |    |        |    |       |    |       |    |       |             |                   |
| Non-Operating Lines                        |    | 342    |    | 150   |    | 73    |    | 950   | -           | 1,516             |
| Sierra Madre - Claremont (Pasadena Sub)    |    | 182    |    | -     |    | -     |    | -     | -           | 182               |
| Rialto Sub (San Bernardino Co.)            |    | -      |    | -     |    | -     |    | 476   | -           | 476               |
| Shortway Sub                               |    | 160    |    | 150   |    | 73    |    | 127   | -           | 510               |
| Redlands 1st Mile                          |    | -      | l  | -     | l  | -     |    | 132   | -           | 132               |
| Redlands Sub MP1+                          |    | -      |    | -     |    | -     |    | 215   | -           | 215               |
| Total                                      | \$ | 17,218 | \$ | 6,774 | \$ | 2,710 | \$ | 4,903 | \$<br>2,350 | \$<br>33,955      |

#### Total Expenditure Forecast (000's)

| Line Segment/Territory                     | N  | METRO  | ОСТА        |    | RCTC  | SBCTA       | vстс        | 2019-20<br>UDGET |
|--|----|--------|-------------|----|-------|-------------|-------------|------------------|
| Operating Lines                            | \$ | 23,520 | \$<br>9,237 | \$ | 3,306 | \$<br>5,269 | \$<br>2,829 | \$<br>44,161     |
| LA - San Bernardino                        |    | 4,552  | -           |    | -     | 4,238       | -           | 8,790            |
| LA - Ventura (Burbank Jct to Moorpark)     |    | 3,805  | -           |    | -     | -           | 2,404       | 6,209            |
| LA - Lancaster                             |    | 8,561  | -           |    | -     | -           | -           | 8,561            |
| CRI-BURBANK JCT                            |    | -      | -           |    | -     | -           | -           | -                |
| Fullerton - San Diego County Line          |    | 948    | 6,636       |    | 710   | 130         | -           | 8,424            |
| Olive Subdivision                          |    | -      | 670         |    | 230   | 42          | -           | 942              |
| Riverside Layover Facility                 |    | 89     | 37          |    | 79    | 19          | -           | 224              |
| River Corridor                             |    | 4,354  | 1,034       |    | 580   | 752         | 376         | 7,095            |
| Perris Valley <sup>6</sup>                 |    | 793    | 758         |    | 1,640 | 12          | -           | 3,203            |
| Extraordinary Maintenance                  |    | 417    | 102         |    | 68    | 76          | 49          | 712              |
| (Storm Damage, Vandalism, Gate Knockdowns) |    |        |             |    |       |             |             |                  |
| Non-Operating Lines                        |    | 1,394  | 150         |    | 73    | 1,187       | -           | 2,805            |
| Sierra Madre - Claremont (Pasadena Sub)    |    | 1,234  | -           |    | -     | -           | -           | 1,234            |
| Rialto Sub (San Bernardino Co.)            |    | -      | -           |    | -     | 491         | -           | 491              |
| Shortway                                   |    | 160    | 150         |    | 73    | 127         | -           | 510              |
| Redlands 1st Mile                          |    | -      | -           | l  | -     | 132         | -           | 132              |
| Redlands Sub MP1+                          |    | -      | -           |    | -     | 438         | -           | 438              |
| Total                                      | \$ | 24,914 | \$<br>9,387 | \$ | 3,380 | \$<br>6,456 | \$<br>2,829 | \$<br>46,966     |

Numbers may not foot due to rounding.

#### **NOTES**

- (1) MOW net subsidy split by route miles (58.60% METRO and 41.40% SBCTA)
- (2) MOW net subsidy split by train miles (61.50% METRO and 38.50% VCTC)
- (3) Net subsidy split by train miles of trains using the Riverside Layover, excluding San Diego County (39.76% METRO, 16.49% OCTA, 35.26% RCTC, and 8.50% SBCTA)
- (4) Split is assumed All Share (47.5% METRO, 19.8% OCTA, 11.1% RCTC, 14.4% SBCTA, and 7.2% VCTC of cost in excess of revenues
- (5) Allocation based on percent of route miles owned (58.58% METRO, 14.30% OCTA, 9.53% RCTC, 10.66% SBCTA, and 6.93% VCTC)
- (6) Allocation based on train miles of 91 line (24.75% METRO, 23.67% OCTA, 51.20% RCTC, 0.37% SBCTA)

Exhibit 5.4 FY2016-17 to FY2019-20 MOW Expenditures by Line Segment/Territory – Operating Lines and Extraordinary

| (000's)  | FY2016-17                   | FY2017-18  | FY2018-19      | FY2019-20      | FY2019-20 V | S. FY2018-19   |
|--|-----------------------------|--|----------------|----------------|-------------|----------------|
| Line Segment/Territory   | ACTUALS                     | ACTUALS  | BUDGET         | BUDGET         | \$          | %              |
| Operating Lines  | \$ 35,422                   | \$ 39,412  | \$ 38,145      | \$ 43,449      | \$ 5,304    | 13.9%          |
| LA - San Bernardino  | 7,478                       | 8,338  | 7,704          | 8,790          | 1,086       | 14.1%          |
| Track  | 1,138                       | 1,111  | 1,308          | 1,258          | (50)        | (3.8%)         |
| Signal & Communications  | 3,020                       | 2,982  | 3,138          | 3,267          | 128         | 4.1%           |
| Structures   | 176                         | 190  | 209            | 224            | 16          | 7.5%           |
| Procurement  | 536                         | 657  | 234            | 496            | 262         | 111.6%         |
| Other  | 1,124                       | 1,367  | 1,241          | 1,465          | 224         | 18.1%          |
| Agency Costs   | 1,484                       | 2,032  | 1,574          | 2,080          | 506         | 32.1%          |
| LA - Ventura (Burbank Jct to Moorpark)                           | 4,846                       | 5,496  | 5,303          | 6,209          | 907         | 17.1%          |
| Track  | 864                         | 899  | 1,114          | 1,335          | 221         | 19.8%          |
| Signal & Communications  | 1,570                       | 1,609  | 1,717          | 1,806          | 89          | 5.2%           |
| Structures   | 169                         | 240  | 209            | 249            | 41          | 19.4%          |
| Procurement  | 284                         | 306  | 214            | 237            | 23          | 10.9%          |
| Other  | 823                         | 1,026  | 915            | 1,132          | 217         | 23.8%          |
| Agency Costs   | 1,136                       | 1,415  | 1,134          | 1,450          | 316         | 27.9%          |
| LA - Lancaster   | 7,468                       | 8,460  | 7,221          | 8,561          | 1,341       | 18.6%          |
| Track  | 1,480                       | 1,266  | 1,207          | 1,323          | 115         | 9.6%           |
| Signal & Communications  | 2,056                       | 2,355  | 2,303          | 2,435          | 132         | 5.7%           |
| Structures   | 160                         | 316  | 209            | 274            | 65          | 31.4%          |
| Procurement<br>Other   | 468                         | 496  | 167            | 344            | 177<br>324  | 106.5%         |
| Agency Costs   | 1,402<br>1,903              | 1,644<br>2,384                                   | 1,423<br>1,912 | 1,747<br>2,439 | 526         | 22.8%<br>27.5% |
| CRI-BURBANK JCT  | 1,903                       | 2,364  | 1,912          | 2,439          | 520         | N/A            |
| Agency Costs   | -                           | <del>                                     </del> | _              | _              | _           | N/A            |
| Fullerton - San Diego County Line                                | 6,997                       | 7,906  | 7,409          | 8,424          | 1,015       | 13.7%          |
| Track  | 1,035                       | 944  | 1,197          | 1,169          | (28)        | (2.3%)         |
| Signal & Communications  | 2,874                       | 3,047  | 3,036          | 3,184          | 148         | 4.9%           |
| Structures   | 140                         | 167  | 209            | 274            | 65          | 31.4%          |
| Procurement  | 374                         | 550  | 277            | 450            | 173         | 62.5%          |
| Other  | 1,067                       | 1,280  | 1,166          | 1,386          | 220         | 18.8%          |
| Agency Costs   | 1,508                       | 1,918  | 1,525          | 1,962          | 437         | 28.6%          |
| Olive Subdivision  | 633                         | 829  | 927            | 942            | 16          | 1.7%           |
| Track  | 83                          | 86   | 204            | 175            | (29)        | (14.3%)        |
| Signal & Communications  | 251                         | 393  | 358            | 374            | 16          | 4.3%           |
| Structures   | 39                          | 39   | 52             | 62             | 10          | 19.4%          |
| Procurement  | 10                          | 14   | 13             | 7              | (6)         | (49.3%)        |
| Other  | 105                         | 126  | 136            | 150            | 14          | 10.0%          |
| Agency Costs   | 144                         | 171  | 163            | 175            | 12          | 7.3%           |
| Riverside Layover Facility                                       | 77                          | 75   | 183            | 224            | 40          | 22.0%          |
| Track  | 37                          | 26   | 114            | 135            | 21          | 18.6%          |
| Signal & Communications  | 4                           | 5  | 5              | 6              | 1           | 10.2%          |
| Structures   | 1                           |  | 8              | 10             | 2           | 19.4%          |
| Procurement  | 4                           | 1  | 11             | 10             | (1)         | (10.2%)        |
| Other  | 15                          | 18   | 29             | 36             | 7           | 24.1%          |
| Agency Costs   | 15                          | 25   | 15             | 26             | 11          | 72.3%          |
| River Corridor   | 5,603                       | 6,243  | 6,503          | 7,095          | 591         | 9.1%           |
| Track  | 1,102                       | 1,198  | 1,407          | 1,448          | 41          | 2.9%           |
| Signal & Communications  | 2,846                       | 2,980  | 3,183          | 3,314          | 131         | 4.1%           |
| Structures Procurement   | 69<br>355                   | 34<br>493  | 138            | 164<br>427     | 27<br>54    | 19.4%          |
| Other  | 355<br>602                  | 493<br>693                                       | 373<br>735     | 879            |             | 14.6%<br>19.5% |
| Agency Costs   | 602<br>628                  | 845  | 668            | 862            | 143<br>194  | 19.5%<br>29.1% |
| Perris Valley  | 2,321                       | 2,658  | 2,894          | 3,203          | 309         | 10.7%          |
| Track  | 508                         | 724  | 812            | 795            | (17)        | (2.1%)         |
| Signal & Communications  | 687                         | 614  | 1,003          | 1,049          | 47          | 4.7%           |
| Structures   | 159                         | 160  | 112            | 111            | (1)         | (1.1%)         |
| Procurement  | 98                          | 123  | 66             | 92             | 26          | 38.9%          |
| Other  | 450                         | 485  | 496            | 592            | 95          | 19.2%          |
| Agency Costs   | \$ 419                      | \$ 552   | 405            | \$ 565         | \$ 160      | 39.4%          |
|  |                             |  | -              |                |             |                |
| Extraordinary Maintenance (Derailments, Storm Damage, Gate Knock | \$ 1,260<br>kdowns, Vandali | <b>\$ 594</b> ism)                               | \$ 591         | \$ 712         | \$ 121      | 20.6%          |

Numbers may not foot due to rounding.

Exhibit 5.5 FY2016-17 to FY2019-20 MOW Expenditures by Line Segment/Territory – Non-Operating Lines and Total including Extraordinary

| (000's)                                 | FY2016-17 | FY2017-18 | FY2018-19 | FY2019-20 | FY2019-20 V | S. FY2018-19 |
|---|-----------|-----------|-----------|-----------|-------------|--------------|
| Line Segment/Territory                  | ACTUALS   | ACTUALS   | BUDGET    | BUDGET    | \$          | %            |
| Non-Operating Lines                     | \$ 1,932  | \$ 2,404  | \$ 2,566  | \$ 2,805  | \$ 239      | 9.3%         |
| Sierra Madre - Claremont (Pasa. Sub.)   | 990       | 1,184     | 1,206     | 1,234     | 28          | 2.3%         |
| Track                                   | 57        | 63        | 189       | 105       | (83)        | (44.1%)      |
| Signal & Communications                 | 400       | 430       | 408       | 430       | 22          | 5.3%         |
| Structures                              | 29        | 23        | 36        | 19        | (18)        | (48.8%)      |
| Procurement                             | 72        | 100       | 72        | 79        | 7           | 10.3%        |
| Other                                   | 184       | 238       | 241       | 264       | 23          | 9.5%         |
| Agency Costs                            | 249       | 330       | 259       | 337       | 77          | 29.8%        |
| Rialto Subdivision (San Bernardino Co.) | 331       | 366       | 416       | 491       | 75          | 17.9%        |
| Track                                   | 118       | 119       | 166       | 182       | 16          | 9.5%         |
| Signal & Communications                 | 84        | 82        | 95        | 99        | 5           | 4.8%         |
| Structures                              | 6         | 5         | 26        | 31        | 5           | 19.4%        |
| Procurement                             | 27        | 40        | 20        | 36        | 16          | 79.0%        |
| Other                                   | 41        | 54        | 58        | 75        | 17          | 29.3%        |
| Agency Costs                            | 55        | 65        | 50        | 66        | 16          | 32.1%        |
| Shortway Sub                            | 336       | 387       | 460       | 510       | 50          | 10.8%        |
| Track                                   | 47        | 24        | 35        | 21        | (14)        | (39.7%)      |
| Signal & Communications                 | 87        | 114       | 137       | 145       | 8           | 5.9%         |
| Structures                              | 14        | 15        | 67        | 74        | 7           | 10.9%        |
| Procurement                             | 8         | 12        | 7         | 3         | (4)         | (54.0%)      |
| Other                                   | 62        | 81        | 103       | 124       | 21          | 20.0%        |
| Agency Costs                            | 118       | 139       | 112       | 143       | 31          | 27.8%        |
| Redlands 1st Mile                       | 37        | 192       | 65        | 131       | 67          | 102.8%       |
| Track                                   | (1)       | (3)       | -         | -         | -           | N/A          |
| Signal & Communications                 | 30        | 85        | 9         | 22        | 13          | 146.2%       |
| Structures                              | 12        | 15        | 15        | 12        | (3)         | (18.7%)      |
| Procurement                             | 1         | 5         | -         | -         | -           | N/A          |
| Other                                   | 11        | 29        | 13        | 35        | 23          | 173.9%       |
| Agency Costs                            | (15)      | 60        | 28        | 61        | 34          | 121.1%       |
| Redlands Sub MP1+                       | 238       | 277       | 418       | 438       | 20          | 4.7%         |
| Track                                   | 132       | 68        | 84        | 64        | (19)        | (23.0%)      |
| Signal & Communications                 | 78        | 47        | 98        | 103       | 5           | 5.2%         |
| Structures                              | 2         | 4         | 52        | 62        | 10          | 19.4%        |
| Procurement                             | 14        | 16        | 20        | 16        | (3)         | (16.9%)      |
| Other                                   | 61        | 69        | 101       | 118       | 17          | 16.9%        |
| Agency Costs                            | \$ (50)   | \$ 72     | \$ 64     | \$ 74     | \$ 10       | 15.3%        |

|                           | FY 16-17  | FY17-18   | FY2018-19 | FY2019-20 | FY2019-20 V | S. FY2018-19 |
|---------------------------|-----------|-----------|-----------|-----------|-------------|--------------|
| Line Segment/Territory    | ACTUALS   | ACTUALS   | BUDGET    | BUDGET    | \$          | %            |
| Total Maintenance-of-Way  | \$ 38,615 | \$ 43,005 | \$ 41,301 | \$ 46,966 | \$ 5,665    | 13.7%        |
| Track                     | 6,600     | 6,526     | 7,836     | 8,010     | 174         | 2.2%         |
| Signal & Communications   | 13,988    | 14,743    | 15,490    | 16,234    | 743         | 4.8%         |
| Structures                | 975       | 1,210     | 1,341     | 1,567     | 226         | 16.9%        |
| Procurement               | 2,250     | 2,815     | 1,473     | 2,199     | 725         | 49.2%        |
| Other                     | 5,945     | 7,111     | 6,660     | 8,004     | 1,345       | 20.2%        |
| Extraordinary Maintenance | 1,260     | 594       | 591       | 712       | 121         | 20.6%        |
| Agency Costs              | \$ 7,596  | \$ 10,007 | \$ 7,910  | \$ 10,240 | \$ 2,330    | 29.4%        |

Numbers may not foot due to rounding.



# SECTION 6

# MEMBER AGENCY SUBSIDIES

# SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY

#### **FY2019-20 BUDGET**

# **SECTION 6: Member Agency Subsidies**

# 6.1 Member Agency Funding

For FY2019-20, total Member Agency subsidies are projected at \$157.4 million. This represents an increase of \$6.8 million over the FY2018-19 Budget, an increase of 4.6%.

| (000's)                       | F١        | <b>/2015-16</b> | FY | /2016-17  | FY2017-18 |         | FY2018-19 |         | F  | Y2019-20      |
|-------------------------------|-----------|-----------------|----|-----------|-----------|---------|-----------|---------|----|---------------|
|                               | <u>AC</u> | TUALS (1)       | AC | TUALS (1) | <u>A</u>  | CTUALS  | •         | BUDGET  |    | <u>BUDGET</u> |
| Subsidy                       | \$        | 127,173         | \$ | 129,498   | \$        | 134,818 | \$        | 150,550 | \$ | 157,445       |
| % Change from prior year      |           | 15.3%           |    | 1.8%      |           | 4.1%    |           | 11.7%   |    | 4.6%          |
|                               |           |                 |    |           |           |         |           |         |    |               |
| Federal Funds for Operations: |           |                 |    |           |           |         |           |         |    |               |
| A. CMAQ                       |           | n/a             |    | n/a       | \$        | 3,201   | \$        | 2,844   | \$ | 3,007         |
| B. Preventive Maintenance     |           | n/a             |    | n/a       | \$        | 24,584  | \$        | 24,017  | \$ | 21,806        |
| Net after Federal Funds       |           |                 |    |           | \$        | 107,033 | \$        | 123,689 | \$ | 132,633       |

- A. Congestion Mitigation Air Quality (CMAQ) Effective beginning FY2016-17, CMAQ funds have been made available which can be used for new transportation services on new routes, or expanded services on existing routes for up to five years from the start of service.
- B. Federal formula funds from the Federal Transit Administration (FTA) Beginning in FY2017-18 FTA formula funds have been made available for eligible Preventive Maintenance activities such as vehicle maintenance, and maintenance-of-way in Metrolink's operating budget. FTA Section 5307 and Section 5337 funds will be provided for Preventive Maintenance in FY2019-20.

Numbers may not foot due to rounding.

#### **NOTES:**

(1) FY2015-16 and FY2016-17 Actuals includes BNSF Lease costs beginning October 2015 and ending November 2016.

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# SECTION 7

# CAPITAL PROGRAM BUDGET

# SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY

# **FY2019-20 BUDGET**

# **SECTION 7: Capital Program Budget**

#### 7.1 Introduction

SCRRA's priority is to provide safe, reliable and efficient operation. A comprehensive assessment of SCRRA's infrastructure was performed to determine the budgetary impact of the Capital Program.

The Capital Program Budget consists of two major components totaling \$507.4 million: SCRRA's Rehabilitation and New Capital programs. These budgets total \$281.1 million and \$226.3 million, respectively.

Rehabilitation projects were prioritized and selected based on keeping our assets in a State of Good Repair (SOGR) to maximize safety and ensure customer service and convenience. In the event where unexpected high priority needs arise that will compromise safety and reliability due to changed conditions, SCRRA will submit a recommendation to the Board to reprogram and reallocate the funds approved for another rehabilitation project originally considered to be of lesser priority.

Both the Rehabilitation and New Capital budgets include projects authorized in prior years but remain incomplete as of the end of a fiscal year (*Carryover Projects*), as well as new project authority requested in FY2019-20.

| (000's)  | FY2019-20       |         |  |  |  |  |  |
|--|-----------------|---------|--|--|--|--|--|
| CARRYOVER  |                 |         |  |  |  |  |  |
| Rehabilitation   |                 |         |  |  |  |  |  |
| Member Agency Rehabilitation   | \$              | 159,305 |  |  |  |  |  |
| Other Funding Sources  | <u>\$</u><br>\$ | 58,016  |  |  |  |  |  |
| Subtotal Rehabilitation Carryover  | \$              | 217,321 |  |  |  |  |  |
| New Capital  |                 |         |  |  |  |  |  |
| Member Agency New Capital  | \$              | 36,003  |  |  |  |  |  |
| Other Funding Sources  | \$              | 183,795 |  |  |  |  |  |
| Subtotal New Capital Carryover   | \$<br>\$        | 219,798 |  |  |  |  |  |
| Total FY2019-20 Capital Program Carryover                                    | \$              | 437,119 |  |  |  |  |  |
| NEW AUTHORITY  |                 |         |  |  |  |  |  |
| Rehabilitation   |                 |         |  |  |  |  |  |
| Member Agency Rehabilitation   | \$              | 63,731  |  |  |  |  |  |
| Subtotal Rehabilitation New Authority  | \$              | 63,731  |  |  |  |  |  |
| New Capital  |                 |         |  |  |  |  |  |
| Member Agency New Capital  | \$              | 3,040   |  |  |  |  |  |
| Other Funding Sources  | \$              | 3,504   |  |  |  |  |  |
| Subtotal New Capital New Authority   | \$<br>\$        | 6,544   |  |  |  |  |  |
| Total FY2019-20 Capital Program New Authority                                | \$              | 70,275  |  |  |  |  |  |
| Grand Total FY2019-20 Capital Program  Numbers may not foot due to rounding. | \$              | 507,394 |  |  |  |  |  |

SCRRA continues to seek local, state or federal funds for additional New Capital projects.

In addition to the daily management of our core business of mass transit at the most efficient level, including Rehabilitation and New Capital Projects as described, Metrolink also takes on the responsibility of providing services to complete projects or provide consulting assistance to Third-Parties. The largest of these projects are frequently performed for one of our Member Agencies. Third-Party projects completed and closed in FY2017-18 are detailed in *Exhibit 7.1*, in the total amount of \$110.6 million. This amount is exceptionally large because although \$110.6 million is the total of projects reconciled and closed in FY2017-18, the work for \$81.0 million of these projects was completed several years earlier.

Various Third-Party Projects were undertaken in FY2018-19. The exact amount is not identified at this time as the fiscal year end has not yet been completed. Based on historical data, we expect to complete approximately \$20 million in Third-Party Projects during FY2019-20.

# 7.2 Rehabilitation Program

Rehabilitation (Rehab) projects are those that extend the useful life of existing capital assets through activities such as the replacement of: worn ties and rail, worn or outdated signal system components, tunnels, bridges and culverts, rolling stock components such as Car Door Operators and Heating/Ventilation/Air Conditioning (HVAC), and midlife overhaul of rail cars and locomotives. SCRRA, as part of its implementation of Government Accounting Standards Board Pronouncement 34 (GASB-34), has elected to use the Modified Approach for the Metrolink Railroad Infrastructure.

Under the Modified Approach, infrastructure assets that are part of a network, or subsystem of a network, are not required to be depreciated if two requirements are met:

- 1. The government manages the eligible infrastructure assets using a qualified asset management system; and,
- 2. The government documents that the eligible infrastructure assets are being preserved approximately at (or above) a condition level established and disclosed by the government.

During FY2002-03, the SCRRA Board adopted a minimum condition rating of 75 points (of a maximum of 100) as the minimum acceptable Railroad Condition Index (RCI) for the entire railroad network, including all subsystems. As of June 30, 2015, SCRRA completed a three-year systemwide assessment of the infrastructure, which resulted in an average acceptable level of 81 points.

Rehab projects are those projects that replace worn-out, functionally obsolete and commercially non-viable assets. These assets are replaced, repaired or otherwise modified with new assets that preserve and extend the useful life of these capital assets. Rehab projects and programs are also sometimes known as "State of Good Repair" or "Capital Reinvestment". In 2012, Congress enacted a federal transportation program known as *Moving Ahead for Progress in the 21st Century* (MAP-21). This legislation replaced section 5309 Rail Modernization formula funds with section 5337 funds specifically for SOGR projects, underscoring the federal government's commitment to maintaining transportation infrastructure. MAP-21 contains Transit Asset Management provisions requiring transit agencies that receive federal transportation funds to develop and implement Transit Asset Management (TAM) Plans. A TAM Plan was adopted by the SCRRA Board in December 2016 which is compliant with MAP-21.

#### 7.2.1 Metrolink Rehabilitation Plan

The FY2019-20 Capital Program Rehabilitation Budget was developed based on the following steps and in conjunction with the Metrolink Rehabilitation Plan (MRP). The MRP was created in response to requests by the Member Agencies and the

Metrolink Board for a long-range (20 to 25-year) forecast of the Authority's SOGR needs so that Member Agencies, the Authority, and others could develop long range financial programming to address critical SOGR needs.

The MRP achieves this by addressing two critical elements:

- Backlog Total cost of getting SCRRA assets up to a SOGR
- SOGR Annual cost of keeping SCRRA assets in a SOGR

The MRP recommends that the Backlog be drawn down over six years and ramped up/down over that timeframe to make the transition more achievable. The Backlog and SOGR numbers together represent the estimated SCRRA Overall Rehabilitation Total for each fiscal year.

# 7.2.2 Budget Development

Based on the MRP for FY2019-20, the Overall Rehabilitation Total estimate is \$115.62 million, including \$31.05 million for Backlog and \$84.57 million for SOGR (see table below).

| Asset Category                    | Backlog    | State of Good Repair<br>(SOGR) |           | MRP Fiscal Year Estimates<br>(State of Good Repair + Portion of Backlog) |           |           |           |           |
|-----------------------------------|------------|--------------------------------|-----------|--|-----------|-----------|-----------|-----------|
|                                   | Total Cost | Annual Cost                    | FY2019-20 | FY2020-21  | FY2021-22 | FY2022-23 | FY2023-24 | FY2024-25 |
| Annual State of Good Repair Cost  |            |                                | \$84.57M  | \$84.57M   | \$84.57M  | \$84.57M  | \$84.57M  | \$84.57M  |
| Backlog Drawdown*                 |            |                                | 7%        | 19%  | 24%       | 24%       | 19%       | 7%        |
| Annual Backlog Cost               |            |                                | \$31.05M  | \$84.27M   | \$106.44M | \$106.44M | \$84.27M  | \$31.05M  |
| SCRRA Overall Rehab Total         |            |                                | \$115.62M | \$168.84M  | \$191.01M | \$191.01M | 168.84M   | \$115.62M |
| Rail                              | \$26.55M   | \$9.34M                        | \$11.20M  | \$14.39M   | \$15.72M  | \$15.72M  | \$14.39M  | \$11.20M  |
| Ties                              | \$9.36M    | \$8.71M                        | \$9.37M   | \$10.49M   | \$10.96M  | \$10.96M  | \$10.49M  | \$9.37M   |
| Crossings                         | \$10.43M   | \$3.83M                        | \$4.56M   | \$5.81M  | \$6.34M   | \$6.34M   | \$5.81M   | \$4.56M   |
| Special Trackwork                 | \$54.78M   | \$6.48M                        | \$10.32M  | \$16.89M   | \$19.63M  | \$19.63M  | \$16.89M  | \$10.32M  |
| Ballast                           | \$8.51M    | \$.34M                         | \$.94M    | \$1.96M  | \$2.38M   | \$2.38M   | \$1.96M   | \$.94M    |
| Track Rehab Total                 | \$109.63M  | \$28.71M                       | \$36.39M  | \$49.54M   | \$55.02M  | \$55.02M  | \$49.54M  | \$36.39M  |
| Bridges                           | \$22.80M   | \$4.95M                        | \$6.54M   | \$9.28M  | \$10.42M  | \$10.42M  | \$9.28M   | \$6.54M   |
| Culverts                          | \$82.34M   | \$3.04M                        | \$8.81M   | \$18.69M   | \$22.81M  | \$22.81M  | \$18.69M  | \$8.81M   |
| Tunnels                           | \$19.91M   | \$.76M                         | \$2.16M   | \$4.55M  | \$5.54M   | \$5.54M   | \$4.55M   | \$2.16M   |
| Structures Rehab Total            | \$125.05M  | \$8.76M                        | \$17.51M  | \$32.52M   | \$38.77M  | \$38.77M  | \$32.52M  | \$17.51M  |
| Signal Systems                    | \$33.56M   | \$7.73M                        | \$10.08M  | \$14.10M   | \$15.78M  | \$15.78M  | \$14.10M  | \$10.08M  |
| Crossing Systems                  | \$55.67M   | \$7.07M                        | \$10.96M  | \$17.64M   | \$20.43M  | \$20.43M  | \$17.64M  | \$10.96M  |
| Communication Systems             | \$9.17M    | \$2.24M                        | \$2.89M   | \$3.99M  | \$4.44M   | \$4.44M   | \$3.99M   | \$2.89M   |
| Centralized Train Control Systems | \$.00M     | \$.91M                         | \$.91M    | \$.91M   | \$.91M    | \$.91M    | \$.91M    | \$.91M    |
| Systems Rehab Total               | \$98.40M   | \$17.95M                       | \$24.84M  | \$36.64M   | \$41.56M  | \$41.56M  | \$36.64M  | \$24.84M  |
| MOW Vehicles & Equipment          | \$16.52M   | \$2.49M                        | \$3.65M   | \$5.63M  | \$6.45M   | \$6.45M   | \$5.63M   | \$3.65M   |
| Vehicles Rehab Total              | \$16.52M   | \$2.49M                        | \$3.65M   | \$5.63M  | \$6.45M   | \$6.45M   | \$5.63M   | \$3.65M   |
| Passenger Cars                    | \$.00M     | \$15.62M                       | \$15.62M  | \$15.62M   | \$15.62M  | \$15.62M  | \$15.62M  | \$15.62M  |
| Locomotives                       | \$87.67M   | \$8.41M                        | \$14.54M  | \$25.06M   | \$29.45M  | \$29.45M  | \$25.06M  | \$14.54M  |
| Rolling Stock Rehab Total         | \$87.67M   | \$24.03M                       | \$30.16M  | \$40.68M   | \$45.07M  | \$45.07M  | \$40.68M  | \$30.16M  |
| Maintenance Facilities            | \$4.15M    | \$1.93M                        | \$2.22M   | \$2.72M  | \$2.93M   | \$2.93M   | \$2.72M   | \$2.22M   |
| Pomona Campus                     | \$.76M     | \$.44M                         | \$.49M    | \$.58M   | \$.62M    | \$.62M    | \$.58M    | \$.49M    |
| Layover Yards                     | \$1.33M    | \$.27M                         | \$.36M    | \$.52M   | \$.59M    | \$.59M    | \$.52M    | \$.36M    |
| Facilities Rehab Total            | \$6.24M    | \$2.64M                        | \$3.08M   | \$3.82M  | \$4.14M   | \$4.14M   | \$3.82M   | \$3.08M   |

Note: These values are in 2018 dollars, excluding escalation and inflation.

<sup>\*</sup>Backlog is divided into a 6-year request with the following ramp up/ramp down plan: 7%, 19%, 24%, 24%, 19%, 7%. This can be modified for year of expenditure as needed. Rolling Stock special projects \$417.35 million is excluded from the first 6 years.

The budget development process for FY2019-20 concluded with the Member Agencies overall Rehabilitation total funding commitment at \$63.7 million.

# 7.2.3 Programmatic Approach

# Methodology

The MRP was developed with SCRRA asset owners (staff responsible for the rehabilitation of each asset type).

Each asset owner identified the most critical, highest priority projects and provided descriptions, mileposts, age, condition, and estimated costs. Projects for individual asset categories have been included for the budget year in a total amount for that category which is consistent with the asset category amounts as identified by the MRP. The results of this methodology are reflected in the aggregate of the total FY2019-20 Capital Program Rehabilitation projects for the proposed request of \$115.62 million as indicated on the above table.

As shown above is a sample of this methodology. This particular project submission is identified as an Asset Type for Structures and would be included as part of the Structures Rehab Total line item on the MRP table as show in 7.2.2 above.



#### PROJECT PROPOSAL

FY20

LIBRINGD PROJECT# 1943.00

PROJECT: ORANGE COUNTY - STRUCTURES REHABILITATION TYPE: REHAB | MRP | Structures Rehabilitation in Orange County high priority projects identified by Metrolink Rehabilitation Plan (MRP). Projects include: Replace Bridge MP 194.6000 (12 ft PCS) = \$1,485,000 Culverts OR MP 207.20, 205.80 and OL MP 5.40 = \$2,380,000 Projects to be reviewed in year of expenditure to confirm prioritization. Mile Posts: 165.08 - 212.30 Division: Orange County: OC Asset Type: Structures **OBJECTIVES** RISKS CAUSING PROJECT DELAY 1. (Goal 3: Invest in People and Assets) Maintain State of Good Repair 2. (Goal 4: Retain and Grow Ridership) Improve service reliability 3. (Goal 2: Maintain Fiscal Sustainability) Reduce operating cost 4. (Goal 1: Ensure a Safe Operating Environment) Reduce train accidents JUSTIFICATION RANKING // PROJECT READINESS Structures rehabilitation projects identified by the MRP include bridges, culverts Condition of Asset..... Worn and tunnels. Projects have been identified because the asset has fallen below 2. System Impact..... High a State of Good Repair and is in need of rehabilitation based on limits set by SCRRA staff and industry standards. RISK CREATED BY NON-IMPLEMENTATION If the project is not implemented in full, the remaining projects that are beyond the rehabilitation limits will be added to the backlog in future years. Current Age: 77 Year(s) Standard Lifespan: 100 Year(s) Additional support document was submitted

#### **Benefits**

The MRP addresses funding rehabilitation programs rather than individual projects.

The benefits of this programmatic approach in budget development allow Metrolink to:

- Take advantage of economies of scale for procurement purposes and project scope.
- Construct multiple components of the work under one contract.
- Improve project delivery.
- More effectively maximize the capital investments made by Member Agencies.

The benefits of the programmatic approach in project delivery allow Metrolink staff to:

- Make changes to individual projects based on funding constraints.
- Adapt to changing field conditions, be more sheltered from price escalation, and be able to provide more efficient and cost-effective delivery.

The benefits of the programmatic approach in fiscal planning include better providing:

- Projections of future investments needed for the SOGR at a macro level.
- Estimated cash flow information at a macro level to assist with multi-year forward planning and fiscal forecast as requested by our Member Agencies.

To ensure SCRRA gains the full benefits outlined above, the Programmatic Approach to budget development will be strictly adhered to in future budget cycles to develop both the annual budget and out-year projections.

# 7.2.4 Railroad Rehabilitation Cycles

Railroad infrastructure deteriorates due to traffic, time, environmental conditions (weather) and wear. Railroad infrastructure, especially systems hardware and software, with time and changes in technology, can become functionally obsolete or unsupported. At minimum, a Rehab program is required to overcome this deterioration and maintain a SOGR. A Rehab program typically incorporates state-of-the-art or state-of-the-industry components to support service levels and replace older designs, resulting in reduced maintenance expense, improved operations or improved reliability.

Rehabilitation is performed when the infrastructure has worn or deteriorated to a level that does not yet impair serviceability, but the assets are close to being consumed. In order to utilize 100% of the assets' service life, their replacement would be performed the first day of asset failure. This requires meticulous inspection procedures, multiple disruptions to train service, and intensive labor to replace assets. Instead, the railroad industry adopted a "cycle" of rehabilitation

where groups of assets are replaced when they are nearing the end of usefulness. Inefficiency is minimized because workforces and machines are economized to perform the work and minimize disruption of train service.

#### 7.2.5 Rehabilitation Elements

#### A. Rails

Rails are subject to head and gauge face wear, and metal fatigue due to traffic loadings, and expansion and contraction of metal resulting from changes in temperatures and corrosion. Rehabilitation and renovation of rail consists of periodic grinding to restore the original contour, replacement of welds, replacement of insulated joints, transposing rail on curves, and replacement of the entire rail when limits of wear or fatigue are reached.

#### B. Crossties

The rail is supported on crossties of either wood or concrete. Wood ties have steel tie plates beneath the rail to spread the weight of the rail. Concrete ties have elastomeric pads to separate the steel rail from the ties. Both ties have fasteners to hold the track together, either cut or screw spikes on the wood ties, and some form of proprietary spring steel clip on concrete ties. There are 3,250 wood ties per mile, spaced at 19½ inches, and concrete ties are spaced at 24 inches, for 2,640 per mile.

#### 1. Wood Ties

Creosote treated wood ties have a service life of between 30 and 35 years. Wood ties deteriorate by organic decay and by mechanical abrasion and crushing from the spikes and the tie plates supporting the rail. Wood ties also deteriorate faster in curves because the centrifugal force of turning trains pushes the rail and spikes. Weak ties in curves are a serious safety consideration. They are usually maintained in a cycle method whereby 25-35% (800 - 1,000 per mile) of the wood ties are replaced every 7 to 10 years, depending upon specific local conditions.

#### 2. Concrete Ties

Concrete crossties are more resistant to wear and decay; however, they can be affected by fouled ballast. Severely fouled ballast creates an abrasive paste of rock particles, which grind away the concrete surface, which exposes the reinforcing strands and can cause the tie to break. Though concrete ties last longer than wood ties, the elastic clips and the bearing pads require changing when rail is replaced on about 10 to 12 years intervals. Concrete ties are expected to last at least 50 years.

#### C. Ballast

The crushed rock ballast that supports the track deteriorates through weathering and abrasion. The fine particles eroded from the stone, plus fine soil particles that are blown or washed into the track, or migrate upward from underlying soil, cause the ballast to retain water, which has two adverse effects. The moisture degrades

the ties and softens the subgrade, leading to settlement of the whole track structure.

# D. Special Track Work

Two areas of the track structure, turnouts and road crossings, have higher levels of stress and require additional investment.

# 1. Turnouts and Crossing Diamonds

Turnouts (switches) are the special track work which diverts trains from one track to another. They consist of a set of movable "point" rails to divert the wheels, a "frog" to cross the rails, and special braces, supports, tie plates, guard rails, gauge plates, and long timber ties to support these components. Due to the impacts of wheels being steered to diverging routes by the points and of crossing the open flange way at the frog, these components require special attention. Even with careful maintenance they wear out in about ¼ of the time of the general track structure.

# 2. Road Crossings

Road Crossings have precast concrete or rubber blocks set on top of the crossties to permit roadway vehicles to cross the rails. Because the deflection of the rails under passing trains and large trucks, there is movement in the crossing structure. This motion can cause the adjoining roadway surface to become broken or cause the track profile to become irregular and require repair. Rehabilitation of road crossings is difficult because they require detour routes for highway traffic, and halt train traffic while the crossing is under repair. Rehabilitation includes a periodic removal of the crossing surface to raise and tamp the track (at about 6-year intervals) and a complete renewal of the crossing, track, and subgrade (at about 20-year intervals).

#### E. Bridges

Railroad bridges have steel, concrete, and timber elements, all of which have differing, and generally very long-life cycles. The critical elements are the timber parts: the decks and stringers. Timber elements in railroad bridges typically last 50-60 years. Since the 1980s, they have generally been replaced with concrete or steel elements.

# F. Signal, Communication, Train Traffic Control, Electrical Systems

Railroad signal, communication, train traffic control (dispatch), and electrical systems termed here as Systems generally experience wear of moving parts in equipment such as switch machines and grade crossing gate mechanisms, exposure to the environment, and have electronic and power supply components with specific lifespans. These Systems also become obsolete due to changes in Federal regulations or in the state-of-the-art of the industry. Virtually all Systems are microprocessor, computer, or server-based and are subject to hardware and software obsolescence due to changes in technology or changes in commercial arrangements that lead to loss of support. Rehabilitation of these Systems consists of unit exchange replacement of components to avoid service disruptions

or regulatory infractions, and includes replacement of outdated, or unsupported hardware and software with current industry standard hardware and software. Some components can be returned to manufacturing plants for rebuilding and reused on a cyclical basis of maintenance.

#### G. Embankment

The embankment supporting the railroad erodes under the action of rain. In cut sections, this deposits mud and silt near or in the track structure, causing water to be blocked from draining away from the track. This results in saturation of the track bed, deterioration of the ties (both wood and concrete ties are adversely affected by muddy embankments), and settlement of the track into a rough profile.

#### H. Rolling Stock

The Metrolink rolling stock fleet consists of 55 diesel locomotives (including three leased), 57 Cab Cars and 144 coach cars. Rolling stock directly affects the passenger experience and must be maintained in a SOGR to ensure safety, reliability and comfort. Rolling stock goes through regular preventative maintenance on a cyclical basis as part of normal operations. Additional rehabilitation is performed on key rail car subsystems such as the heating, ventilation, air conditioning (HVAC) system, door control systems, lighting systems and battery systems.

For depreciation purposes, SCRRA established a useful life of 30 years for revenue rolling stock. Initial locomotive and rail car purchases occurred in 1992-1993, making the vehicles 26-27 years old. To date, these vehicles have not undergone comprehensive midlife overhauls, and vehicle replacement or rebuild is necessary to prevent service degradation. Of SCRRA's 52 locomotives, 37 have exceeded the point at which a midlife overhaul should be performed. SCRRA has ordered 40 new Tier-4 locomotives, 37 of which will replace the oldest of the locomotives. To date, 14 of these Tier-4 locomotives have been received and are in service or testing. The remaining 12 legacy locomotives will begin to need midlife overhauls sometime after FY2019-20. Funding will be necessary for this important effort.

#### I. Facilities

SCRRA office space, warehouses, maintenance shops and rail yards are used to operate and maintain the system. The Central Maintenance Facility (CMF) is Metrolink's largest facility and contains specialized machinery such as a wheel true machine, drop table, overhead cranes, and train wash to service and repair rail rolling stock. Yard equipment such as ground power stations, locomotive sanders, and fuel and urea dispensing systems are also critical for service. All items must be maintained in a SOGR to ensure safe and efficient operation.

#### 7.2.6 Consequences of Deferred Rehabilitation

There are five consequences of deferred maintenance:

- Reduced train speeds and headways;
- Reduced operational reliability;
- Higher cost of ordinary maintenance;
- Regulatory fines and sanctions; or
- Potential accidents and loss of mission capability.

The track structure has a considerable amount of redundancy. Weakness in specific elements can be carried by the stronger elements. Thus a few decayed or split wood ties, if scattered throughout the length of the track, do not cause any of these problems. However, if there are many weak ties at one location, then the track overall is weak, and the above consequences become inevitable.

Rehabilitation projects are summarized in *Exhibits 7.2 and 7.3*. A number of the projects will not be completed in FY2018-19 and will be carried forward into the FY2019-20. They amount to \$217.3 million and are described in the FY2019-20 Rehabilitation Carryover Projects Summary section. The new projects seeking new authority in FY2019-20 amount to \$63.7 million and are discussed in the New Rehabilitation Projects section below.

# 7.3 FY2019-20 Rehabilitation Carryover Projects

Ongoing projects authorized in FY2018-19 or earlier that we estimate will not be completed by June 30, 2019 are shown on *Exhibits 7.2 and 7.6* in summary and detail respectively. The exhibit represents staff's estimate of the outstanding authorized balance on each project as of the adoption of the FY2019-20 fiscal year budget. These estimations in no way alter the actual project authority as approved by the SCRRA Board. Rehabilitation Carryover Projects total \$217.3 million, Member Agencies share is \$159.3 million, and the amount covered by Other funding sources is \$58.0 million.

#### 7.4 FY2019-20 New Rehabilitation Projects

New projects for Rehabilitation in FY2019-20 are depicted on *Exhibits 7.3 and 7.7* in summary and detail respectively. New Rehabilitation projects total \$63.7 million.

# 7.5 FY2019-20 New Capital Carryover Projects

New Capital Carryover projects authorized in FY2018-19 or earlier that are not anticipated to be completed prior to June 30, 2019 are depicted on *Exhibit 7.4*. The New Capital Carryover amount totals \$219.8 million, Member Agencies share is \$36.0 million, and the amount covered by Other funding sources is \$183.8 million.

# 7.6 FY2019-20 New Capital New Authority Projects

New Capital projects in FY2019-20 are shown in *Exhibit 7.5*, and total \$6.5 million. Member Agencies share for New Capital request is \$3.0 million and the amount covered by Other funding sources is \$3.5 million.

#### 7.7 Exhibits

- **Exhibit 7.1: FY2017-18 Third-Party Projects Summary** lists completed projects for third-parties.
- **Exhibit 7.2:** FY2019-20 Rehabilitation Carryover Projects Summary lists Rehabilitation carryover authority by subdivision, project category and funding source.
- **Exhibit 7.3:** FY2019-20 Rehabilitation New Authority Projects Summary by Subdivision lists Rehabilitation for New Authority by subdivision, project category and funding source.
- **Exhibit 7.4:** FY2019-20 New Capital Carryover Projects Detail lists New Capital carryover authority by subdivision, project category and funding source.
- **Exhibit 7.5:** FY2019-20 New Capital New Authority Projects Detail lists New Capital authority by project and funding source.
- **Exhibit 7.6:** FY2019-20 Rehabilitation Carryover Projects Detail provides a detailed listing of Rehabilitation carryover authority by project.
- **Exhibit 7.7:** FY2019-20 Rehabilitation New Authority Projects Detail provides a detailed listing of the Rehabilitation projects for New Authority by project.
- **Exhibit 7.8.1:** Capital Program Summary and Cash Flow Detail All Member Agencies provides a capital summary and cash flow estimate for Carryover from prior years, New Authority Rehab and New Capital projects for FY2019-20.
- Exhibit 7.8.2: Capital Program Summary and Cash Flow Detail METRO provides a capital summary and cash flow estimate for Carryover from prior years, New Authority Rehabilitation and New Capital projects for FY2019-20.
- **Exhibit 7.8.3:** Capital Program Summary and Cash Flow Detail OCTA provides a capital summary and cash flow estimate for Carryover from prior years, New Authority Rehabilitation and New Capital projects for FY2019-20.
- **Exhibit 7.8.4:** Capital Program Summary and Cash Flow Detail RCTC provides a capital summary and cash flow estimate for Carryover from prior years, New Authority Rehabilitation and New Capital projects for FY2019-20.

- Exhibit 7.8.5: Capital Program Summary and Cash Flow Detail SBCTA provides a capital summary and cash flow estimate for Carryover from prior years, New Authority Rehabilitation and New Capital projects for FY2019-20.
- Exhibit 7.8.6: Capital Program Summary and Cash Flow Detail VCTC provides a capital summary and cash flow estimate for Carryover from prior years, New Authority Rehabilitation and New Capital projects for FY2019-20.
- **Exhibit 7.8.7:** Capital Program Summary and Cash Flow Detail Other Funding Sources provides a capital summary and cash flow estimate for Carryover from prior year, New Authority Rehabilitation and New Capital projects for FY2019-20.
- **Exhibit 7.8.8:** Capital Program Summary and Cash Flow Detail All Member Agencies and Other Funding Sources provides a capital summary and cash flow estimate for Carryover from prior year, New Authority Rehabilitation and New Capital projects for FY2019-20.

Exhibit 7.1 FY2017-18 Third-Party Projects

| PROJECT DESCRIPTION            | TOTAL            |
|--------------------------------|------------------|
| OCTA-SANTA ANA(10)             | \$<br>15,094,988 |
| OCTA-ORANGE(ORANGE-9)          | \$<br>13,151,048 |
| OCTA-GRADE CROSSING SAFETY     | \$<br>12,098,532 |
| OCTA-ORANGE (OLIVE-7)          | \$<br>11,008,000 |
| OCTA-ANAHEIM(ORANGE-10)        | \$<br>9,952,863  |
| OCTA-SAN JUAN CAPISTRANO(6)    | \$<br>7,833,748  |
| SIMI VALLEY GRADE XING IMPROV  | \$<br>7,294,684  |
| MOORPARK AVE GRADE XING CONST. | \$<br>4,815,394  |
| MTA-CANOGA TRANS CORRIDOR      | \$<br>3,532,626  |
| OCTA-ANAHEIM(OLIVE-4)          | \$<br>2,892,638  |
| OCTA-TUSTIN(1)                 | \$<br>2,553,656  |
| OCTA-IRVINE(2)                 | \$<br>2,399,482  |
| OCTA-SAN CLEMENTE(2)           | \$<br>2,122,952  |
| RANCHO CUCAMONGA-HAVEN AVE     | \$<br>2,036,288  |
| CITY OF ANAHEIM-ARTIC          | \$<br>1,861,599  |
| OCTA-DANA POINT(1)             | \$<br>1,581,590  |
| I-5 N ENHANCEMNTS PROJECT      | \$<br>1,437,688  |
| TUSTIN-TUSTIN RANCH ROAD       | \$<br>898,592    |
| I-5/SR-14 CAP DRAINAGE IMPR    | \$<br>852,489    |
| CLARK ARTIC FLAGGING/TRAINING  | \$<br>751,004    |
| BRUTOCO-LASSEN STREET          | \$<br>581,420    |
| ALP-CITRUS AVE UNDERCROSSING   | \$<br>339,831    |
| CALTRANS-BASSETT O/H BRIDGE    | \$<br>331,943    |
| OCTA-FULLERTON(1)              | \$<br>277,030    |
| SO PAC RAIL - SUN VALLEY       | \$<br>239,335    |
| OCTA-2012 ANGELS TRAINS        | \$<br>229,366    |
| PERRIS VALLEY LINE MARKETING   | \$<br>199,519    |
| SAN CLEMENTE RIP RAP-PHASE II  | \$<br>196,240    |
| MARKTING CAMPAIGN FOR MTA      | \$<br>188,708    |
| LAUREL ST GRADE PROJECT        | \$<br>184,928    |
| 2013 ANGELS EXPRESS TRAIN      | \$<br>166,262    |
| ARBRELO 20"" PIPLN IN BURBANK  | \$<br>131,022    |
| GLENDALE-DORAN STREET          | \$<br>122,670    |
| BMS-WOODLEY AND PROVIDENCIA OH | \$<br>82,302     |
| LONE HILL TO WHITE DOUBLE TRK  | \$<br>78,175     |
| GLENDALE QUIET ZONE            | \$<br>76,020     |
| JOHN MEEK-LA PLAYA FLOODWALL   | \$<br>70,868     |
| BALI-FIRST ST. & MADERA RD.    | \$<br>70,735     |
| OCTA C-1-3095 \$249k           | \$<br>68,324     |
| L&SCONST-BEE CANYON IMPRVMNTS  | \$<br>65,057     |

Exhibit 7.1 FY2017-18 Third-Party Projects (continued)

| PROJECT DESCRIPTION            | TOTAL |        |
|--------------------------------|-------|--------|
| RASIC-SAN CANYONPROJ IN IRVINE | \$    | 62,527 |
| LACMTA-405 FREEWAY CLOSURE     | \$    | 60,932 |
| S/P FOR ARB-REPLACE GAS LINE   | \$    | 59,191 |
| FORKERT-AT&T MOORPARK TO LA    | \$    | 57,640 |
| TORO ENT PLAN REV INTRSTE 5    | \$    | 56,830 |
| PUBLIC SFTY AWARENSS CAMPAIGN  | \$    | 56,320 |
| SNELSON-PIPELINE SAND CANYON   | \$    | 51,753 |
| VAN NUYS STN CONSTR REVIEW     | \$    | 48,976 |
| ARB-BLOOMINGTON TO VICTORY PL. | \$    | 48,403 |
| C&V-GRADING & EROSION REVIEW   | \$    | 47,741 |
| AUTOSPEEDWAY PROMO TRAIN       | \$    | 45,092 |
| SE PIPELINE-JEFFREY RD/I-5 FWY | \$    | 43,342 |
| SPECTRUM COMMERCIAL SHOOT      | \$    | 42,582 |
| HNTB-STATE STREET BRIDGE       | \$    | 39,323 |
| 2016 LA COUNTY FAIR TRAIN      | \$    | 37,236 |
| 17TH ST GRADE SEPARATION       | \$    | 37,073 |
| TUNNEL UNDER TRACKS GLENDALE   | \$    | 36,038 |
| COLICH+SONS, RPR AN INVERT SEC | \$    | 35,606 |
| SDG-DISTRIBUTION LINE          | \$    | 35,315 |
| ARB PIPELNE RELCTN MISSN VJO   | \$    | 34,968 |
| TWO BROS. PLAN REVIEW          | \$    | 32,713 |
| STV SURVEY WORK                | \$    | 28,162 |
| J.FLETCHER-BRANFORD & SHELDON  | \$    | 27,034 |
| GAS CO-OSO PARKWAY @ I-5       | \$    | 26,897 |
| VCI-126' LF 18"" STEEL CASING  | \$    | 25,947 |
| SECC-UNDERGROUND FIBER OPTIC   | \$    | 24,183 |
| TORO-AVENUE K & DIVISIONS ST.  | \$    | 23,549 |
| SOUTHWEST-SAND CANYON/LANG     | \$    | 22,749 |
| PORT OF LONG BEACH RAIL TOURS  | \$    | 22,442 |
| RETAINING WALL-CITY OF LNIGUEL | \$    | 22,078 |
| PASCAL & LUDWIG-IRWD DESALTER  | \$    | 21,897 |
| AT&T-OSO PARKWAY WIDENING      | \$    | 20,963 |
| KINDER MORGAN-INTERVAL SURVEY  | \$    | 20,242 |
| QWEST-GRANDVIEW & SONORA       | \$    | 19,349 |
| CALTRANS-ALMANSOR OVERCROSSING | \$    | 18,771 |
| O/H LINE S CLARITA S FERNANDO  | \$    | 18,536 |
| STN. LOC. FEASIBILITY STUDIES  | \$    | 18,518 |
| PRS CHARTER TRAIN              | \$    | 18,268 |
| FISHEL-EMPIRE AVE/I-5 PROJ     | \$    | 18,249 |
| MARK COMPANY-PEPPER AVENUE     | \$    | 16,128 |

Exhibit 7.1 FY2017-18 Third-Party Projects (continued)

| PROJECT DESCRIPTION            | TO | TAL    |
|--------------------------------|----|--------|
| FIX PIPE LA PAZ MISSION VIEJO  | \$ | 15,587 |
| QWEST: BHA PROJECT E6944534    | \$ | 14,998 |
| ADD DIRECT MAIL TO NEW RESIDTS | \$ | 14,928 |
| WEST VALLEY-OSO PARKWAY        | \$ | 14,828 |
| RMC-GLADSTONE AVENUE           | \$ | 14,490 |
| HENKLES-ACTON/VINCENT STN      | \$ | 13,858 |
| PAG OC BLOCK WALL AUTO MALL DR | \$ | 13,499 |
| SE PIPELINE-GAS CO.CASING      | \$ | 13,282 |
| SDG&E PROJECT IN SJCAPISTRANO  | \$ | 13,023 |
| SCE-INSTLPOLE CITY OF INDUSTRY | \$ | 12,949 |
| ATKINSON CONSTRUCTION 1-10     | \$ | 12,842 |
| PAR ELECTRICAL-VINCENT VIEW RD | \$ | 12,788 |
| CAPISTRANO BAY-ENTRY & PARKING | \$ | 12,704 |
| SITE/PLAN PIPING REV - SOLEDAD | \$ | 12,455 |
| RIALTO ST IMPROVEMENT          | \$ | 12,303 |
| SCE-INSTALL CABLE IN SAN DIMAS | \$ | 12,221 |
| FLATIRON WEST, INC             | \$ | 12,121 |
| WAGNER-CALIF HIGH SPEED RAIL   | \$ | 11,889 |
| SCCI-SAN FERNANDO & WINONA     | \$ | 11,782 |
| FYDAQ-INSTALL PIPE IN IRVINE   | \$ | 11,506 |
| SECC INSTL FIBR SONORA-G/VIEW  | \$ | 11,478 |
| BORINGS STATE ST POMEROY AVE   | \$ | 11,206 |
| RM MYERS-N.ONTARIO/N.SAN FERNA | \$ | 11,000 |
| CENTURY - WATERPROOFING        | \$ | 10,925 |
| POUK & STEINLE-SANTA ANA/SOUTH | \$ | 10,897 |
| CEDRO-SIERRA HWY & AVENUE K    | \$ | 10,765 |
| UP-XINGS AT PALMDALE/LANCASTER | \$ | 10,405 |
| CROSSING TRACKS FOR BORING     | \$ | 10,366 |
| LEMON GROVE LP - 36"" DRAIN    | \$ | 9,919  |
| XFINITY COMMERCIAL CMF         | \$ | 9,900  |
| 2013 PORT OF L/BEACH SPCL TRN  | \$ | 9,790  |
| WHITING-TURNER-398 E.FIRST ST. | \$ | 9,477  |
| EDISON-TODD AVENUE             | \$ | 9,398  |
| SDG&E LAGUNA NIGEL             | \$ | 9,344  |
| 2017 GOLDEN VALLEY PROM TRAIN  | \$ | 9,218  |
| S/P REV OF H20LINE-GENTRY BROS | \$ | 9,085  |
| HOWARD BLDG-ALMOND AVENUE      | \$ | 9,047  |
| EDISON-TUSTIN/MIRA LOMA        | \$ | 8,872  |
| AESCO-GEOTECH AT 6 LOC         | \$ | 8,805  |
| UNDERGRND FIBER @ BUENA VISTA  | \$ | 8,643  |

Exhibit 7.1 FY2017-18 Third-Party Projects (continued)

| PROJECT DESCRIPTION            | TO | ΓAL   |
|--------------------------------|----|-------|
| CABLE ENGINEER-TUJUNGA AVENUE  | \$ | 8,453 |
| SITE/PLAN REV FOR 1734 N MAIN  | \$ | 8,366 |
| OLSSON ASSOC TOPOGRAPHY SURVEY | \$ | 8,364 |
| 2017 RAIL SERIES               | \$ | 8,322 |
| SDG&E SAN J CAP TRANMN POLES   | \$ | 8,186 |
| MNWD REPLC PIPE NEAR MP 198.23 | \$ | 8,036 |
| CHANNEL ISLANDS DODGER TRAIN   | \$ | 8,005 |
| GOLDEN VALLEY PROM SPCLTRAIN   | \$ | 7,865 |
| SCGAS-PIPELNE INSP IN IRVINE   | \$ | 7,613 |
| VCI-GRANDVIEW TO BROADWAY      | \$ | 7,564 |
| SDG&E LAGUNA NIGL              | \$ | 7,434 |
| ACTA REDONDO                   | \$ | 7,413 |
| FENCE RELO IN SAN CLEMENTE     | \$ | 7,336 |
| TRAFFIC CONTROL FIRST & AGNEW  | \$ | 7,312 |
| SEMA-SAN JUAN & TRABUCO CREEK  | \$ | 7,195 |
| AIRX-RIVERSIDE DR. BRIDGE      | \$ | 7,195 |
| RELOCATE UTILITY POLE BURBANK  | \$ | 7,065 |
| LADWP- INSTALL UNDRGRND UTIL   | \$ | 6,923 |
| SAN CLEM. LIGHTING AVENIDA     | \$ | 6,916 |
| ELECTRO-SAN FERNANDO/FLOWER    | \$ | 6,897 |
| CITY VENTURES-TOWNHOMES COVINA | \$ | 6,870 |
| ELECTRO-LIGHT RETRO INGLENDALE | \$ | 6,861 |
| LOCATE UTILITIES S BERNARDINO  | \$ | 6,845 |
| HP COMM INC. N. MAIN ST.       | \$ | 6,799 |
| SCE REPLACE POLES COVINA       | \$ | 6,765 |
| COAST SURVEY-SIDING EXT.SURVEY | \$ | 6,684 |
| SDGE: REPLACE POLE # Z223406   | \$ | 6,589 |
| W.A.RASIC-PIPELINE IN TUSTIN   | \$ | 6,569 |
| SUNESYS PLACE UG CONDUIT CABLE | \$ | 6,469 |
| WESTERN LIGHTWAVE-CENTRAL AVE. | \$ | 6,453 |
| CBS SCORPION FILM PRODUCTION   | \$ | 6,384 |
| AB MILLER PROM TRAIN           | \$ | 6,359 |
| SO PAC RAIL-VULCAN RAIL SPUR   | \$ | 6,324 |
| T.HOLDING-PLAN REVIEW          | \$ | 6,280 |
| DOMINGUEZ-FOOTHILL & GRAND     | \$ | 6,140 |
| PACIFIC PIPELINE-SAN FERNANDO  | \$ | 6,013 |
| SCE REPLACE 4752828E &4752829E | \$ | 5,988 |
| NU-LINE REHAB MANHOLES SJ CAP  | \$ | 5,986 |
| BMS-BURBANK AIRPORT(EMPIRE)    | \$ | 5,986 |
| WATER PIPE LINE IN RANCHO      | \$ | 5,924 |

Exhibit 7.1 FY2017-18 Third-Party Projects (continued)

| PROJECT DESCRIPTION            | TOTAL       |
|--------------------------------|-------------|
| CBS FILMING - ACTON, CA        | \$<br>5,866 |
| SITE/PLAN REVIEW FOR NCM DEMO  | \$<br>5,859 |
| GRAFFITI REMOVAL 1734 MAIN ST  | \$<br>5,852 |
| INSTALNEW FOC TO XO COMM       | \$<br>5,847 |
| DIAZ BORINGS VAN NUYS STATION  | \$<br>5,673 |
| GAS CO-SAND CANYON @BURT ROAD  | \$<br>5,647 |
| SOIL AND GROUND WATER SAMPLING | \$<br>5,639 |
| LADWP POLE REPLACE TAMPA AVE   | \$<br>5,595 |
| K&B-UNDRGRND LINE IN RIVERSIDE | \$<br>5,536 |
| SCE REPLACE THREE POLES        | \$<br>5,530 |
| IRISH-COLUMBIA WAY&SIERRA HYWY | \$<br>5,524 |
| DUNKIN DONUTS COMMERCIAL 8/10  | \$<br>5,500 |
| TRAFFIC CONTR NEAR MP 35.73    | \$<br>5,463 |
| SCE REPLACE 2276944E&2276997E  | \$<br>5,448 |
| INSPECT/MAINTAIN VALVE 384     | \$<br>5,433 |
| LAGUNA STATION TVM INSTALL     | \$<br>5,395 |
| EDWARDS ADV-BILLBOARD RMVL     | \$<br>5,363 |
| SCE RE-ROUTE EXISTING LINE     | \$<br>5,328 |
| POWER POLE RELOCATION ANAHEIM  | \$<br>5,252 |
| CABLE ENGINEER-BEKINS WAY      | \$<br>5,237 |
| ST. IMPRVMNT BET. 1ST AND 2ND  | \$<br>5,173 |
| SITE PLAN FOR BEE CANYON       | \$<br>5,130 |
| BELAIRE-WEST-ORANGE GREAT PARK | \$<br>5,090 |
| SDGE MANHOLE H4818556651       | \$<br>5,027 |
| ALL AMERICAN AGGREGATES        | \$<br>4,921 |
| ORTIZ-MIRALOMA AVENUE          | \$<br>4,894 |
| EDISON-ETIWANDA AVENUE         | \$<br>4,854 |
| HARDY & HARPER-BENSON AVENUE   | \$<br>4,794 |
| ITC-5 FIBER OPTIC CROSSINGS    | \$<br>4,761 |
| AVALON-GRADING @RTE 66         | \$<br>4,760 |
| EDISON-DOUGLAS/KATELLA         | \$<br>4,756 |
| SCE55 MI OF 653 ASCRR TO 954   | \$<br>4,741 |
| REMOVE/REPLACE ASPHALT         | \$<br>4,705 |
| WRIGHT CNST COAST TRAIL        | \$<br>4,655 |
| MOOT POINT SECRET FILMING      | \$<br>4,598 |
| TORO-TAPO & LOS ANGELES        | \$<br>4,570 |
| SCE-REPLC POLE IN SANTA ANA    | \$<br>4,539 |
| KLEINFELDER-2ND MAIN TRACK     | \$<br>4,473 |
| POINTER-TUSTIN METROLINK ST'N  | \$<br>4,467 |
| SDG+E CAMINO CAP & .89 MILES   | \$<br>4,416 |

Exhibit 7.1 FY2017-18 Third-Party Projects (continued)

| PROJECT DESCRIPTION            | 7  | ΓΟΤΑL |
|--------------------------------|----|-------|
| EDISON-LANKERSHIM BLVD.        | \$ | 4,391 |
| INSTALL O/H CABLE RIALTO       | \$ | 4,246 |
| SA ASSOC-GAREY & SANTA FE ST.  | \$ | 4,211 |
| DIAZ-YOURMAN-EMPIRE AVENUE     | \$ | 4,186 |
| SCE- REPLACE POLE#1886433E     | \$ | 4,179 |
| SCE REPLACE ONE POLE PERRIS    | \$ | 4,044 |
| ALL AMERICAN ASPHALT-LYON ST.  | \$ | 3,960 |
| FIRE SPRINKLERS ANAHEIM STN    | \$ | 3,916 |
| S/P REV PARKNG- CAPISTRANO BCH | \$ | 3,889 |
| SCE POLES 4016296E & 4292661E  | \$ | 3,832 |
| CARDNO-DESIGN BIKE/PED BRIDGE  | \$ | 3,828 |
| SDG&E POLES P108537 & Z227162  | \$ | 3,815 |
| BNSF-SIDESWIPE ON 5/15/11      | \$ | 3,771 |
| FYDAQ REPLACE PIPE IRVINE      | \$ | 3,769 |
| KB ENG FOR TW CABLE PLAN       | \$ | 3,747 |
| C&V-NUEVO-VALENCIA SR. HOUSING | \$ | 3,737 |
| SCE REPLACE POLES IRVINE       | \$ | 3,737 |
| SCE JEFFREY RD IRVINE          | \$ | 3,734 |
| ALPHA INSTALL FENCE            | \$ | 3,734 |
| WATER MAINS WALNUT GROVE AVE   | \$ | 3,680 |
| PRESSURE CONTROL VALVE         | \$ | 3,678 |
| INSTALL O/H F/O CABLE ACTON    | \$ | 3,672 |
| LA RIVER WATER WHEEL           | \$ | 3,657 |
| OH EQUIP MAIN. CAMINO CAP      | \$ | 3,637 |
| INSTALL O/H LINE ORANGE        | \$ | 3,600 |
| REPAIR/MAINTAIN MANHOLE        | \$ | 3,589 |
| CABLE ENGINEER-FRANCISQUITO    | \$ | 3,572 |
| SITE/PLAN REV-FREEDOM COMM     | \$ | 3,567 |
| INSTALL CONDUITS PEPPER AVE    | \$ | 3,565 |
| REPLACE POLE FAIRPLEX LA VERNE | \$ | 3,518 |
| MOORE-CITRUS/SEVILLE & WITTRAM | \$ | 3,485 |
| PROJ DESIGN, SUY SAN JUAN CAL  | \$ | 3,479 |
| INSTALL CONDUIT LASSEN ST      | \$ | 3,469 |
| TORO ASPHALT PVING & STRIPNG   | \$ | 3,462 |
| SDGE-REPLACE POLE IN CAPISTRNO | \$ | 3,456 |
| GLENDALE WASTEWATER PROJECT    | \$ | 3,453 |
| SCE-REPLACE 2 POLES IN ORANGE  | \$ | 3,437 |
| BISCUIT FILM-AT&T COMMERCIAL   | \$ | 3,415 |
| ASPHALT OVERLAY PALMDALE       | \$ | 3,401 |
| WATER MAINS SAN GABRIEL BLVD   | \$ | 3,398 |

Exhibit 7.1 FY2017-18 Third-Party Projects (continued)

| PROJECT DESCRIPTION            | 7  | ΓΟΤΑL |
|--------------------------------|----|-------|
| HERMAN WEISSKER RIVERSIDE      | \$ | 3,396 |
| CVE-MOORPARK STATION           | \$ | 3,377 |
| 91/PVL SPECIAL DISPLAY TRAIN   | \$ | 3,371 |
| SCE TO REPLACE POLE IN RIALTO  | \$ | 3,368 |
| SCE- REPL POLE IN LA VERNE     | \$ | 3,283 |
| PORTRAIT HOMES-ORANGE & SIERRA | \$ | 3,276 |
| GINGERICH-PLATFORM LIGHTING    | \$ | 3,263 |
| O/H LINE ORANGE PLAN REVIEW    | \$ | 3,262 |
| T.E.ROBERTS-CATARACT AVENUE    | \$ | 3,257 |
| INSPECT ROW AT SB STATION      | \$ | 3,243 |
| K&B-TWC F/O WORK IN SANTA ANA  | \$ | 3,211 |
| SCE REPLACE POLE VINEYARD AVE  | \$ | 3,203 |
| GSWC RPAIR H20 LINE SANDIMAS   | \$ | 3,108 |
| FALL PROTECTION SYSTEM ORANGE  | \$ | 3,091 |
| TWC SAFETY TRAINING            | \$ | 3,037 |
| HP-PASADENA AVENUE             | \$ | 2,978 |
| SURVEY LAGUNA NIGUEL           | \$ | 2,938 |
| SCE REPLACE FOUR POLES PERRIS  | \$ | 2,937 |
| SDG&E SJ CAPSTRNO              | \$ | 2,934 |
| SAF-R-DIG-BURBANK SURVEYS      | \$ | 2,931 |
| MNWD WATERMAIN ABANDONMENT     | \$ | 2,922 |
| YALE AVE PAVEMENT REHAB IRVINE | \$ | 2,913 |
| TW TELECOM UNDERGRND F/O       | \$ | 2,908 |
| SCE REPLACE POLE 809853E       | \$ | 2,882 |
| SCE-RELO BENSON/8TH, UPLAND    | \$ | 2,840 |
| SCE REPLACE 8 POLES RIVERSIDE  | \$ | 2,821 |
| EDISON-HUNTINGTON/2ND          | \$ | 2,818 |
| SCE REPLACE POLE WINCHESTER    | \$ | 2,790 |
| JFLETCHER-FIBER OPTIC INSTALL  | \$ | 2,788 |
| SCG-RELOCATE PIPE IN VERNON    | \$ | 2,781 |
| SCE OVERHEAD WIRE LINE REPLC   | \$ | 2,759 |
| REPLACE POLE CALLE TORO GRANDE | \$ | 2,744 |
| SURVEYS/MAPPING GOLD LINE 2B   | \$ | 2,716 |
| TETRA-WELL MONITORING BURABNK  | \$ | 2,714 |
| YOUNG-PAXTON STREET CLOSURE    | \$ | 2,691 |
| CEG CONST PROJ IN SAN DIMAS    | \$ | 2,674 |
| REPLACE POLE HARVILL AVE       | \$ | 2,649 |
| GLENDALE STATION LIGHTING      | \$ | 2,646 |
| SCE: REPLACE PWR POLE MP 14.65 | \$ | 2,641 |
| SP REVW- ALL AMERICAN ASPHALT  | \$ | 2,634 |

Exhibit 7.1 FY2017-18 Third-Party Projects (continued)

| PROJECT DESCRIPTION            | TOTAL       |
|--------------------------------|-------------|
| SCE ""A"" ST CROSSNG           | \$<br>2,625 |
| SCE REPLACE POLE ONTARIO       | \$<br>2,621 |
| SCE INSTALLATION TORRANCE      | \$<br>2,616 |
| SITE/PLAN FOR L01018 PIPELINE  | \$<br>2,606 |
| INSTALL O/H CABLE MISSION RD   | \$<br>2,604 |
| SCE-POWER POLE @RIALTO AVE     | \$<br>2,590 |
| HOVELL-SANTA CLARA RIVER       | \$<br>2,568 |
| REMOVE FOUR TREES ORANGE       | \$<br>2,563 |
| F.J.S. DEVONSHIRE ST           | \$<br>2,552 |
| SCE-PALMDALE SHUTTLE FIBER     | \$<br>2,535 |
| HENKLES-EL TORO FRONTAGE RD.   | \$<br>2,534 |
| VCI MANHOLE JAMBOREE & HARVARD | \$<br>2,531 |
| SCE REPLACE POLE LA PALMA      | \$<br>2,529 |
| SCE-66 KV O/H TRANSMISSION     | \$<br>2,430 |
| K &B-OH/FO WORK @ SONORA AVE   | \$<br>2,394 |
| CITY VENTURES-MONROVIA NURSERY | \$<br>2,378 |
| PACIFIC WEST-VAN NUYS BLVD.    | \$<br>2,362 |
| K&B-LINCOLN AVENUE             | \$<br>2,354 |
| MURAL REST. ARROW HW D ST      | \$<br>2,349 |
| SDG&E LAGNA NIGEL              | \$<br>2,312 |
| HP-QUIMISA DRIVE               | \$<br>2,277 |
| CONDUIT EAST AVE PALMDALE      | \$<br>2,272 |
| SCE- RELC MONROVIA/CITRUS      | \$<br>2,261 |
| MARMAC-LINE 235 & 335 CASING   | \$<br>2,254 |
| SCE-LATTICE TOWER @ SRANCH     | \$<br>2,238 |
| LNIGUEL/MISSION V METROLNK STN | \$<br>2,223 |
| BIGGE-STATE COLLEGE & TAFT     | \$<br>2,218 |
| RELOCATE COMMLINES @SANDCANYON | \$<br>2,171 |
| LADWP-ELYSIAN DAM & RESERVOIR  | \$<br>2,170 |
| EDISON-SYCARMORE DR.           | \$<br>2,157 |
| FISHEL CO SAFETY TRAINING      | \$<br>2,150 |
| SCE REPLACE POLE# 1343289E     | \$<br>2,150 |
| TAFT- NEWHALL METROLINK        | \$<br>2,134 |
| K&B FOR O/H COMM WORK @BURBANK | \$<br>2,032 |
| CITY OFORANGE-BATAVIA DRAIN    | \$<br>2,000 |
| LACSD PLANS-REHAB PIPELINES    | \$<br>1,964 |
| ANDREASEN-FIRST ST CLAREMONT   | \$<br>1,938 |
| SDG&E TO CHANGE OVERHEAD EQUIP | \$<br>1,934 |
| SCE-REPLACE POLE IN FONTANA    | \$<br>1,911 |
| SCE REPL RECNDCTRS ETIWNDA     | \$<br>1,906 |

Exhibit 7.1 FY2017-18 Third-Party Projects (continued)

| PROJECT DESCRIPTION            | T  | OTAL  |
|--------------------------------|----|-------|
| STRUCTURE DEMOLITION HIGH ST   | \$ | 1,906 |
| SHAY-8460 SAN FERNANDO ROAD    | \$ | 1,891 |
| EDISON-NEAR VINCENT VIEW ROAD  | \$ | 1,848 |
| LANGAN-CARRION RD & ARROW HWY  | \$ | 1,808 |
| PSOMAS N. SPRING ST BRIDGE     | \$ | 1,799 |
| RASMUSSEN-QUISMA DRIVE         | \$ | 1,797 |
| ANHEUSER-BUSCH PIPE WOODLEY    | \$ | 1,742 |
| REPAIRS TUSTIN & IRVINE STNS   | \$ | 1,730 |
| SEQUEL-ST RESURFACE IN TUSTIN  | \$ | 1,692 |
| CABLE ENGINEER -VAN NUYS BLVD. | \$ | 1,687 |
| BMS COMM UTLITY POLES PALMDALE | \$ | 1,668 |
| RENOVATION OF ADA RAMP         | \$ | 1,645 |
| PAINTING EL CAMINO CAPIST      | \$ | 1,634 |
| IRISH COMM CO SAFETY TRAINING  | \$ | 1,633 |
| K&B-OLYMPIC BLVD. IN LA        | \$ | 1,631 |
| MORLIN SAFETY TRAINING         | \$ | 1,555 |
| PB AMERICAS-KATALLA/SANTA ANA  | \$ | 1,544 |
| QWEST CONDUIT WRK IN LA        | \$ | 1,508 |
| SCE-13-POLES MSEP FULLERTON    | \$ | 1,507 |
| LADWP-SAN FERNANDO ROAD        | \$ | 1,500 |
| C/CARGO-FLAGNG AT STATE& TAFT  | \$ | 1,353 |
| SDGE CROWN VALLEY PKWY         | \$ | 1,327 |
| CNTY SANITATION LA-BEACH AVE   | \$ | 1,286 |
| HP-SAN DIMAS AVE/BONITA AVE    | \$ | 1,256 |
| SUBCONSCIOUS PRDCTNS-6TH ST    | \$ | 1,229 |
| HP-EVERGREEN AVENUE            | \$ | 1,205 |
| WEST COAST-BUENA VISTA ST.     | \$ | 1,199 |
| SCE-ETIWANDA-ALDER-RANDALL     | \$ | 1,163 |
| PROJ DESIGN, SUY SAN CLEMENTE  | \$ | 1,150 |
| CABLECOM-CEDAR AVENUE          | \$ | 1,145 |
| ADVENT-COLLEGE AVENUE          | \$ | 1,103 |
| IMPACT SOLUTIONS-TUJUNGA AVE.  | \$ | 1,083 |
| DOTY BROS-OSO PKWY EXPANSION   | \$ | 1,055 |
| K&B-CHESTNUT & SANTA FE        | \$ | 1,040 |
| TRC-EMPIRE PROJECT             | \$ | 1,039 |
| INSTALL TEMPORARY POWER POLE   | \$ | 1,000 |
| VCI-ALLEN AVENUE               | \$ | 976   |
| CA AMERICAN WATER CO-REPAIRS   | \$ | 974   |
| VERIZON-JUNIPER AVENUE         | \$ | 934   |
| BMS-VERNON AVENUE              | \$ | 833   |

Exhibit 7.1 FY2017-18 Third-Party Projects (continued)

| PROJECT DESCRIPTION            |               | TOTAL       |
|--------------------------------|---------------|-------------|
| HATCH MOTT-CRENSHAW & IMPERIAL | \$            | 760         |
| SECC-HIDDEN RANCH/KATHERINE    | \$            | 758         |
| K&B-NW OF CA HWY 118           | \$            | 752         |
| F.J.S. TOPANGA CANYON BLVD     | \$            | 726         |
| AT&T-MACLAY AVENUE             | \$            | 668         |
| REMVE FENCE@ ROW-CITY OFTUSTIN | \$            | 667         |
| WEST COAST-TAMPA AVENUE        | \$            | 654         |
| SPEC-POTHOLING LOCATIONS       | \$            | 599         |
| NEXTLINK-ORANGETHORPE AVENUE   | \$            | 558         |
| INLAND EMPIRE-HAVEN/MILLIKEN   | \$            | 530         |
| INDUSTRIAL HYGENE-SAN FERNANDO | \$            | 503         |
| OPTIMUM-3RD PTY TRNG           | \$            | 500         |
| COMNET AMTRAK A/V CIS SYS      | \$            | 500         |
| RIVER BED SURVEY SANTA CLARITA | \$            | 500         |
| WEST COAST-ONTARIO/FERNANDO    | \$            | 458         |
| MLS SOLUTIONS NEW RAIL SPUR    | \$            | 443         |
| FILMING BOSE COMMERCIAL-2/13   | \$            | 432         |
| SOURCE BROADBAND - 3RD PTY TRA | \$            | 375         |
| WEST COAST-SANTA SUSANA PASS   | \$            | 369         |
| WEST COAST-R STREET            | \$            | 366         |
| DRAINAGE 12459-B ARROW ROUTE   | \$            | 344         |
| K&B-CEDAR AVENUE               | \$            | 339         |
| TWC-3RD PTY SAFETY TRNING      | \$            | 307         |
| ACNE MEDIA PHOTO SHOOT         | \$            | 289         |
| HP-AVALON & E. SLAUSON AVENUE  | \$            | 261         |
| BIGGE-2010 STATE COLLEGE/TAFT  | \$            | 244         |
| SCE POLE REPLMNT PRIMROSE ST   | \$            | 238         |
| MERITAGE-ARROW STATION         | \$            | 176         |
| K&B-ACACIA STREET              | \$            | 174         |
| WEST COAST COMM LAKME AVE      | \$            | 154         |
| Gı                             | rand Total \$ | 110,632,674 |

Exhibit 7.2 FY2019-20 Rehabilitation Carryover Projects Summary

| SUBDIVISION           | CATEGORY       | METRO | ОСТА   | RCTC  | SBCTA | VCTC | OTHER  | TOTAL<br>CARRYOVER |
|-----------------------|----------------|-------|--------|-------|-------|------|--------|--------------------|
|                       | Track          | -     | 250    | -     | -     | -    | -      | 250                |
| Olive Total           |                | -     | 250    | -     | -     | -    | -      | 250                |
|                       | Communications | -     | 399    | -     | 8     |      | -      | 408                |
|                       | Facilities     | -     | 23     | -     | -     | -    | -      | 23                 |
|                       | Safety         | -     | 6      | -     | -     | -    | -      | 6                  |
|                       | Signage        | -     | -      | -     | 25    |      | -      | 25                 |
|                       | Signal         | -     | 1,498  | -     | -     | -    | -      | 1,498              |
|                       | Structures     | 45    | 22,524 | -     |       |      | 20,477 | 43,046             |
|                       | Track          | -     | 2,281  | -     | 14    | 3    | -      | 2,298              |
| Orange Total          |                | 45    | 26,732 | -     | 47    | 3    | 20,477 | 47,303             |
|                       | Communications | -     | 144    | -     | -     | -    | -      | 144                |
|                       | Signal         | -     | 51     | -     | -     | -    | -      | 51                 |
|                       | Track          | -     | 5,377  | -     | -     | -    | -      | 5,377              |
| Orange & Olive Total  |                | -     | 5,573  | -     | -     | -    | -      | 5,573              |
|                       | Signal         | 7     | -      | -     | -     | -    | -      | 7                  |
|                       | Track          | 3     | -      | -     | -     | -    | -      | 3                  |
| Pasadena Total        |                | 10    | -      | -     | -     | -    | -      | 10                 |
|                       | Communications | -     | -      | 128   | -     | -    | -      | 128                |
|                       | Signal         | -     | -      | 151   | -     | -    | -      | 151                |
|                       | Structures     | -     | -      | 197   | -     | -    | -      | 197                |
|                       | Track          | -     | -      | 3,221 | -     | -    | -      | 3,221              |
| Perris Valley Total   |                | -     | -      | 3,697 | -     | -    | -      | 3,697              |
|                       | Communications | -     | -      | 89    | -     | -    | -      | 89                 |
| PVL Total             |                | -     | -      | 89    | -     | -    | -      | 89                 |
|                       | Track          | -     | -      | -     | 76    | -    | -      | 76                 |
| Redlands Total        |                | -     | -      | -     | 76    | -    | -      | 76                 |
|                       | Communications | 16    | 6      | 3     | 4     | -    | -      | 30                 |
|                       | Signal         | 1,603 | 117    | 284   | 368   | 182  | -      | 2,553              |
|                       | Structures     | 660   | 273    | 148   | 199   | 92   | -      | 1,372              |
|                       | Track          | 5,120 | 1,613  | 1,110 | 1,442 | 722  | 5,659  | 15,666             |
| River Total           |                | 7,399 | 2,009  | 1,545 | 2,013 | 997  | 5,659  | 19,621             |
|                       | Communications | 13    | 6      | 3     | 4     | 2    | 62     | 90                 |
|                       | Signal         | 115   | 48     | 27    | 35    | 17   | 645    | 887                |
|                       | Track          | 408   | 152    | 95    | 124   | 62   | 3,350  | 4,191              |
| River Sub - East Bank | Total          | 536   | 205    | 125   | 162   | 81   | 4,057  | 5,167              |
|                       | Communications | 119   | 22     | 23    | 30    | 15   | -      | 209                |
|                       | Signal         | 1,558 | 372    | 318   | 413   | 206  | -      | 2,866              |
| River Sub - West Banl | k Total        | 1,676 | 393    | 341   | 443   | 221  | -      | 3,075              |
|                       | Facilities     | -     | -      | 454   | -     | -    | -      | 454                |
| Riverside Total       |                | -     | -      | 454   | _     | -    | -      | 454                |

Exhibit 7.2 FY2019-20 Rehabilitation Carryover Projects Summary (continued)

| SUBDIVISION           | CATEGORY       | METRO  | ОСТА   | RCTC   | SBCTA  | VCTC   | OTHER  | TOTAL<br>CARRYOVER |
|-----------------------|----------------|--------|--------|--------|--------|--------|--------|--------------------|
|                       | Communications | 215    | -      | -      | 152    | -      | -      | 367                |
|                       | Signage        | 10     | -      | -      | 6      | -      | -      | 16                 |
|                       | Signal         | 2,268  | -      | -      | 1,504  | -      | 8      | 3,780              |
|                       | Structures     | 1,292  | -      | -      | 861    | -      | -      | 2,153              |
|                       | Track          | 4,344  | -      | -      | 3,074  | 95     | 1      | 7,514              |
| San Gabriel Total     |                | 8,128  | -      | -      | 5,597  | 95     | 8      | 13,828             |
|                       | Facilities     | 630    | 263    | 147    | 191    | -      | -      | 1,231              |
|                       | Signal         | 551    | 230    | 129    | 167    | -      | -      | 1,077              |
| Shortway Total        |                | 1,181  | 492    | 276    | 358    | -      | -      | 2,308              |
|                       | Communications | 99     | -      | -      | -      | 12     | -      | 111                |
|                       | Security       | 64     | -      | -      | -      | -      | -      | 64                 |
|                       | Signal         | 698    | -      | -      | -      | -      | -      | 698                |
|                       | Structures     | 9,262  | -      | -      | -      | -      | 5      | 9,266              |
|                       | Track          | 2,232  | -      | -      | -      | 2      | 78     | 2,312              |
| Valley Total          |                | 12,354 | -      | -      | -      | 14     | 83     | 12,451             |
|                       | Communications | 92     | -      | -      | -      | -      | -      | 92                 |
|                       | Signal         | 359    | -      | -      | -      | 1      | 14     | 375                |
|                       | Structures     | 2,176  | -      | -      | -      | -      | -      | 2,176              |
|                       | Track          | 2,411  | -      | -      | -      | 11     | 84     | 2,505              |
| Ventura - LA County T | <b>Total</b>   | 5,038  | -      | -      | -      | 11     | 98     | 5,147              |
|                       | Communications | 10     | -      | -      | -      | 165    | -      | 175                |
|                       | Facilities     | -      | -      | -      | -      | 418    | 50     | 468                |
|                       | Signal         | 10     | -      | -      | -      | 327    | -      | 337                |
|                       | Structures     | 3      | -      | -      | -      | 5,269  | -      | 5,272              |
|                       | Track          | 48     | -      | -      | -      | 2,248  | -      | 2,295              |
| Ventura - VC County 7 | Γotal          | 70     | -      | -      | -      | 8,427  | 50     | 8,547              |
|                       | Communications | 873    | 74     | 162    | 210    | 141    | -      | 1,460              |
|                       | Facilities     | 4,267  | 1,415  | 923    | 1,140  | 578    | 1,522  | 9,845              |
|                       | IT             | 969    | 114    | 183    | 251    | 108    | 17     | 1,642              |
|                       | Rolling Stock  | 23,208 | 5,169  | 4,732  | 6,078  | 3,028  | 26,046 | 68,260             |
|                       | Signage        | 17     | -      | -      | -      | -      | -      | 17                 |
|                       | Signal         | 1,154  | 1      | 190    | 247    | 123    | -      | 1,716              |
|                       | Structures     | 1      | -      | -      | -      | -      | -      | 1                  |
|                       | Track          | 2,492  | 600    | 511    | 663    | 331    | -      | 4,597              |
|                       | Vehicle        | 1,268  | 204    | 242    | 314    | 157    | -      | 2,186              |
| Systemwide Total      |                | 34,249 | 7,577  | 6,944  | 8,904  | 4,467  | 27,584 | 89,725             |
| Grand Total           |                | 70,685 | 43,232 | 13,472 | 17,599 | 14,317 | 58,016 | 217,321            |

Exhibit 7.3 FY2019-20 Rehabilitation Projects New Authority Projects Summary by Subdivision

| SUBDIVISION      | CATEGORY                           | METRO <sup>(1)</sup> | OCTA <sup>(2)</sup> | RCTC <sup>(3)</sup> | SBCTA <sup>(4)</sup> | VCTC <sup>(5)</sup> | OTHER <sup>(6)</sup> | TOTAL   |
|------------------|------------------------------------|----------------------|---------------------|---------------------|----------------------|---------------------|----------------------|---------|
|                  | Communications                     | -                    | 602                 | -                   | -                    | -                   | -                    | 602     |
|                  | Structures                         | -                    | 2,380               | -                   | -                    | -                   | -                    | 2,380   |
|                  | Track                              | -                    | 7,230               | -                   | -                    | -                   | -                    | 7,230   |
| Orange Total     |                                    | -                    | 10,212              | -                   | -                    | -                   | -                    | 10,212  |
|                  | Communications                     | 118                  | 49                  | 28                  | 36                   | 18                  | -                    | 249     |
| River Total      |                                    | 118                  | 49                  | 28                  | 36                   | 18                  | -                    | 249     |
|                  | Communications                     | 206                  | -                   | -                   | 137                  | -                   | -                    | 343     |
|                  | Signals                            | 3,576                | -                   | -                   | 2,384                | -                   | -                    | 5,959   |
|                  | Structures                         | 1,388                | -                   | -                   | 925                  | -                   | -                    | 2,313   |
|                  | Track                              | 4,368                | -                   | -                   | 2,912                | -                   | -                    | 7,280   |
| San Gabriel Tot  | tal                                | 9,537                | -                   | -                   | 6,358                | -                   | -                    | 15,896  |
|                  | Communications                     | -                    | -                   | 315                 | -                    | -                   | -                    | 315     |
| San Jacinto (P\  | /L) Total                          | -                    | -                   | 315                 | -                    | -                   | -                    | 315     |
|                  | Communications                     | 348                  | -                   | -                   | -                    | -                   | -                    | 348     |
|                  | Signals                            | 3,806                | -                   | -                   | -                    | -                   | -                    | 3,806   |
|                  | Track                              | 9,675                | -                   | -                   | -                    | -                   | -                    | 9,675   |
| Valley Total     |                                    | 13,828               | -                   | -                   | -                    | -                   | -                    | 13,828  |
|                  | Communications                     | 381                  | -                   | -                   | -                    | -                   | -                    | 381     |
|                  | Track                              | 2,297                | -                   | -                   | -                    | -                   | -                    | 2,297   |
| Ventura - LA Co  | ounty Total                        | 2,677                | -                   | -                   | -                    | -                   | -                    | 2,677   |
|                  | Communications                     | -                    | -                   | -                   | -                    | 189                 | -                    | 189     |
|                  | Signals                            | -                    | -                   | -                   | -                    | 3,778               | -                    | 3,778   |
|                  | Structures                         | -                    | -                   | -                   | -                    | 2,500               | -                    | 2,500   |
|                  | Track                              | -                    | -                   | -                   | -                    | 1,870               | -                    | 1,870   |
| Ventura - VC C   | ounty Total                        | -                    | -                   | -                   | -                    | 8,338               | -                    | 8,338   |
|                  | Facilities                         | 1,470                | 613                 | 344                 | 446                  | 223                 | -                    | 3,095   |
|                  | Non-Revenue Fleet                  | 1,970                | 821                 | 460                 | 597                  | 299                 | -                    | 4,148   |
|                  | Rolling Stock                      | 1,354                | 564                 | 316                 | 410                  | 205                 | -                    | 2,851   |
|                  | Track                              | 1,008                | 420                 | 236                 | 306                  | 153                 | -                    | 2,123   |
| Systemwide To    | tal                                | 5,803                | 2,419               | 1,356               | 1,759                | 880                 | -                    | 12,217  |
| FY2019-20 Reha   | abilitation New Authority Projects | 31,964               | 12,680              | 1,698               | 8,153                | 9,235               | -                    | 63,731  |
| Total Carryove   | rs from Prior Years                | 70,685               | 43,232              | 13,472              | 17,599               | 14,317              | 58,016               | 217,321 |
| Total Rehabilita | tion Projects Including Carryovers | 102,649              | 55,912              | 15,170              | 25,752               | 23,552              | 58,016               | 281,052 |

Numbers may not foot due to rounding.

#### NOTES:

- (1) Metro funding is Measure R
- (2) OCTA funding is FTA Section 5337
- (3) RCTC funding is FTA Section 5337
- (4) SBCTA funding is anticipated to be FTA Section 5337, SB1 SGR and STA
- (5) VCTC funding is FTA Section 5337, FTA 5307, FTA 5309, LTF/STA, and SB1 SGR
- (6) Other funds are anticipated from UPRR for East Bank share

Exhibit 7.4 FY2019-20 New Capital Carryover Projects

| SUBDIVISION    | CATEGORY         | PROJECT               | METRO  | ОСТА  | RCTC  | SBCTA | vстс  | OTHER   | TOTAL<br>CARRYOVER |
|----------------|------------------|-----------------------|--------|-------|-------|-------|-------|---------|--------------------|
| Orange         | Facilities       | 418002                | -      | 60    | -     | -     | -     | -       | 60                 |
| Orange         | Facilities       | 419001                | -      | 198   | -     | -     | -     | -       | 198                |
| Orange         | Signal           | 417007                | -      | 986   | -     | -     | -     | -       | 986                |
| Orange         | Signal           | 418003                | -      | 3,789 | -     | -     | -     | -       | 3,789              |
| Perris Valley  | Communication    | 419002                | -      | -     | 198   | -     | -     | -       | 198                |
| River          | Track            | 418005 <sup>(1)</sup> | 759    | 316   | 177   | 230   | -     | 115     | 1,598              |
| Riverside      | Structures       | 419003                | -      | -     | 168   | -     | -     | -       | 168                |
| San Bernardino | Communication    | 491901                | -      | -     | -     | 23    | -     | -       | 23                 |
| San Gabriel    | Communication    | 418004                | -      | -     | -     | 5,118 | -     | -       | 5,118              |
| San Gabriel    | Structures       | 491701                | -      | -     | -     | -     | -     | 325     | 325                |
| San Gabriel    | Track            | 417005                | -      | -     | -     | 89    | -     | -       | 89                 |
| San Gabriel    | Track            | 417006                | -      | -     | -     | 84    | -     | -       | 84                 |
| Systemwide     | Business Systems | TBD                   | 60     | 218   | 122   | 159   | 8     | -       | 568                |
| Systemwide     | Communication    | 418001                | -      | -     | -     | -     | -     | 6,018   | 6,018              |
| Systemwide     | Facilities       | 460002                | -      | -     | -     | -     | -     | 297     | 297                |
| Systemwide     | IT               | 450100                | -      | -     | -     | -     | -     | 519     | 519                |
| Systemwide     | IT               | 450110                | -      | -     | -     | -     | -     | 3,152   | 3,152              |
| Systemwide     | IT               | 618001                | 9,839  | 1,859 | 3,619 | 2,980 | 4,752 | -       | 23,050             |
| Systemwide     | IT               | 618002                | -      | -     | -     | -     | -     | 109     | 109                |
| Systemwide     | Rolling Stock    | 613005 <sup>(1)</sup> | -      | -     | -     | -     | -     | 66,230  | 66,230             |
| Systemwide     | Rolling Stock    | 616002 <sup>(1)</sup> | -      | -     | -     | -     | -     | 79,532  | 79,532             |
| Systemwide     | Rolling Stock    | 616003                | -      | -     | -     | -     | -     | 9,151   | 9,151              |
| Systemwide     | Rolling Stock    | 616004                | -      | -     | -     | -     | -     | 4,576   | 4,576              |
| Systemwide     | Security         | 417001                | -      | -     | -     | -     | -     | 4,278   | 4,278              |
| Systemwide     | Track            | 409006                | -      | -     | -     | -     | -     | 451     | 451                |
| Systemwide     | Track            | 460001                | -      | -     | -     | -     | -     | 5,768   | 5,768              |
| Systemwide     | Track            | 460003                | -      | -     | -     | -     | -     | 491     | 491                |
| Systemwide     | Track            | 460701                | -      | -     | -     | -     | -     | 392     | 392                |
| Valley         | Structures       | 418006                | -      | -     | -     | -     | -     | 2,392   | 2,392              |
| Valley         | Track            | 414002                | 191    | -     | -     | -     | -     | -       | 191                |
| Grand Total    |                  |                       | 10,850 | 7,426 | 4,285 | 8,682 | 4,760 | 183,795 | 219,798            |

Numbers may not foot due to rounding.

#### NOTE:

(1) Projects part of the ROTEM Settlement

Exhibit 7.5 FY2019-20 New Capital New Authority Projects

| (000 0)  |                   |               |        |       |       |       |       |         |         |
|--|-------------------|---------------|--------|-------|-------|-------|-------|---------|---------|
| PROJECT DESCRIPTION                                | SUBDIVISION       | CATEGORY      | METRO  | OCTA  | RCTC  | SBCTA | VCTC  | OTHER   | TOTAL   |
| CMF and EMF Modernization                          | All               | Facilities    | 356    | 149   | 83    | 108   | 54    | -       | 750     |
| MP36 Locomotive Overhaul &                         |                   |               |        |       |       |       |       |         |         |
| Tier IV Conversion                                 | All               | Rolling Stock | 309    | 129   | 72    | 94    | 47    | -       | 650     |
| Purchase & Set-Up Trailerized                      |                   |               |        |       |       |       |       |         |         |
| Back-Up Generator Set                              | All               | Signals       | 50     | 21    | 12    | 15    | 8     | -       | 106     |
| Specialized Maintenance                            |                   |               |        |       |       |       |       |         |         |
| Equipment <sup>(1)</sup>                           | All               | Facilities    | 523    | 218   | 122   | 158   | 79    | 3,504   | 4,604   |
| Riverside Yard Switch <sup>(2)</sup>               | San Jacinto (PVL) | Signals       | 151    | -     | 213   | 71    | -     | -       | 434     |
| FY2019-20 New Capital New Au                       | thority Projects  |               | 1,389  | 516   | 502   | 446   | 188   | 3,504   | 6,544   |
| Total Carryovers from Prior Ye                     | ears              |               | 10,850 | 7,426 | 4,285 | 8,682 | 4,760 | 183,795 | 219,798 |
| Total FY2019-20 New Capital N Including Carryovers | ew Authority      |               | 12,239 | 7,942 | 4,786 | 9,128 | 4,947 | 187,299 | 226,342 |

Numbers may not foot due to rounding.

#### NOTES:

- (1) Member Agencies shared commitment for the Specialized Maintenance Equipment project is \$1.1M; the remaining commitment is to be subsidized by Other funding sources.
- (2) The Riverside Yard Switch project is an exception to the standard formulas established.

Exhibit 7.6 FY2019-20 Rehabilitation Carryover Projects Detail

| SUBDIVISION    | CATEGORY       | PROJECT | METRO | ОСТА   | RCTC | SBCTA | VCTC | OTHER  | TOTAL<br>CARRYOVER |
|----------------|----------------|---------|-------|--------|------|-------|------|--------|--------------------|
| Olive          | Track          | 514002  | -     | 68     | -    | -     | -    | -      | 68                 |
| Olive          | Track          | 515100  | -     | 168    | -    | -     | -    | -      | 168                |
| Olive          | Track          | 516510  | -     | 2      | -    | -     | -    | -      | 2                  |
| Olive          | Track          | 516511  | -     | 13     | -    | -     | -    | -      | 13                 |
| Orange         | Communications | 514003  | -     | -      | -    | 8     | -    | -      | 8                  |
| Orange         | Communications | 516640  | -     | 26     | -    | -     | -    | -      | 26                 |
| Orange         | Communications | 519640  | -     | 346    | -    | -     | -    | -      | 346                |
| Orange         | Communications | 591714  | -     | 27     | -    | -     | -    | -      | 27                 |
| Orange         | Facilities     | 591801  | -     | 23     | -    | -     | -    | -      | 23                 |
| Orange         | Safety         | 514004  | -     | 6      | -    | -     | -    | -      | 6                  |
| Orange         | Signage        | 514009  | -     | -      | -    | 25    | -    | -      | 25                 |
| Orange         | Signal         | 514005  | -     | 1      | -    | -     | -    | -      | 1                  |
| Orange         | Signal         | 519630  | -     | 1,497  | -    | -     | -    | -      | 1,497              |
| Orange         | Structures     | 514006  | -     | 3      | -    | -     | -    | -      | 3                  |
| Orange         | Structures     | 514011  | -     | 1      | -    | -     | -    | -      | 1                  |
| Orange         | Structures     | 515104  | -     | 11     | -    | -     | -    | -      | 11                 |
| Orange         | Structures     | 515105  | -     | 1,538  | -    | -     | -    | -      | 1,538              |
| Orange         | Structures     | 515112  | 45    | -      | -    | -     | -    | -      | 45                 |
| Orange         | Structures     | 516621  | -     | 1,200  | -    | -     | -    | -      | 1,200              |
| Orange         | Structures     | 517620  | -     | 412    | -    | -     | -    | -      | 412                |
| Orange         | Structures     | 518620  | -     | 967    | -    | -     | -    | -      | 967                |
| Orange         | Structures     | 519620  | -     | 17,402 | -    | -     | -    | 20,477 | 37,879             |
| Orange         | Structures     | 519621  | -     | 990    | -    | -     | -    | -      | 990                |
| Orange         | Track          | 514007  | -     | 18     | -    | -     | -    | -      | 18                 |
| Orange         | Track          | 514008  | -     | 1      | -    | -     | 3    | -      | 4                  |
| Orange         | Track          | 514060  | -     | 5      | -    | -     | -    | -      | 5                  |
| Orange         | Track          | 515107  | -     | -      | -    | 14    | -    | -      | 14                 |
| Orange         | Track          | 515108  | -     | 57     | -    | -     | -    | -      | 57                 |
| Orange         | Track          | 516610  | -     | 2      | -    | -     | -    | -      | 2                  |
| Orange         | Track          | 516612  | -     | 32     | -    | -     | -    | -      | 32                 |
| Orange         | Track          | 517610  | -     | 187    | -    | -     | -    | -      | 187                |
| Orange         | Track          | 518630  | -     | 295    | -    | -     | -    | -      | 295                |
| Orange         | Track          | 591902  | -     | 1,683  | -    | -     | -    | -      | 1,683              |
| Orange & Olive | Communications | 515102  | -     | 14     | -    | -     | -    | -      | 14                 |
| Orange & Olive | Communications | 517640  | -     | 22     | -    | -     | -    | -      | 22                 |
| Orange & Olive | Communications | 518640  | -     | 108    | -    | -     | -    | -      | 108                |
| Orange & Olive | Signal         | 514010  | -     | 51     | -    | -     | -    | -      | 51                 |
| Orange & Olive | Track          | 515510  | -     | 1      | -    | -     | -    | -      | 1                  |
| Orange & Olive | Track          | 519510  | -     | 5,169  | -    | -     | -    | -      | 5,169              |
| Orange & Olive | Track          | 519520  | -     | 208    | -    | -     | -    | -      | 208                |

Exhibit 7.6 FY2019-20 Rehabilitation Carryover Projects Detail (continued)

| (000's) SUBDIVISION | CATEGORY       | PROJECT               | METRO | ОСТА | RCTC  | SBCTA | VCTC | OTHER | TOTAL<br>CARRYOVER |
|---------------------|----------------|-----------------------|-------|------|-------|-------|------|-------|--------------------|
| Pasadena            | Signal         | 515109                | 7     | -    | -     | -     | -    | -     | 7                  |
| Pasadena            | Track          | 514012                | 3     | -    | -     | -     | -    | -     | 3                  |
| Perris Valley       | Communications | 516940                | -     | -    | 5     | -     | -    | -     | 5                  |
| Perris Valley       | Communications | 519940                | -     | -    | 124   | -     | -    | -     | 124                |
| Perris Valley       | Signal         | 516930                | -     | -    | 60    | -     | -    | -     | 60                 |
| Perris Valley       | Signal         | 516931                | -     | -    | 90    | -     | -    | -     | 90                 |
| Perris Valley       | Structures     | 519911                | -     | -    | 197   | -     | -    | -     | 197                |
| Perris Valley       | Track          | 519910                | -     | -    | 3,221 | -     | -    | -     | 3,221              |
| Perris Valley       | Communications | 517940                | -     | -    | 59    | -     | -    | -     | 59                 |
| Perris Valley       | Communications | 518940                | -     | -    | 30    | -     | -    | -     | 30                 |
| Redlands            | Track          | 516819                | -     | -    | -     | 76    | -    | -     | 76                 |
| River               | Communications | 514037                | 15    | 5    | 3     | 4     | -    | -     | 27                 |
| River               | Communications | 515138 <sup>(1)</sup> | 1     | 1    | 0     | 0     | 0    | -     | 3                  |
| River               | Signal         | 514039                | 12    | 5    | 3     | 4     | _    | -     | 23                 |
| River               | Signal         | 515139 <sup>(1)</sup> | 1     | 1    | 0     | 0     | 0    | -     | 3                  |
| River               | Signal         | 519730                | 1,590 | 111  | 281   | 364   | 182  | -     | 2,527              |
| River               | Structures     | 514038                | 47    | 20   | 11    | 14    | _    | -     | 92                 |
| River               | Structures     | 515141 <sup>(1)</sup> | 25    | 8    | -     | 6     | 3    | -     | 43                 |
| River               | Structures     | 519020                | 588   | 245  | 137   | 178   | 89   | -     | 1,238              |
| River               | Track          | 514062 <sup>(1)</sup> | 17    | 7    | 3     | 5     | _    | -     | 32                 |
| River               | Track          | 515142 <sup>(1)</sup> | 2     | 3    | 1     | 2     | 5    | -     | 13                 |
| River               | Track          | 515143 <sup>(1)</sup> | 3     | 1    | -     | 1     | 0    | -     | 5                  |
| River               | Track          | 517711 <sup>(1)</sup> | 50    | 21   | 12    | 15    | 8    | -     | 105                |
| River               | Track          | 519710                | 1,254 | -    | 207   | 268   | 134  | -     | 1,863              |
| River               | Track          | 519711                | 1,330 | 555  | 311   | 403   | 202  | -     | 2,801              |
| River               | Track          | 519712                | 2,363 | 985  | 552   | 716   | 358  | -     | 4,975              |
| River               | Track          | 591708 <sup>(1)</sup> | 22    | 9    | 5     | 7     | 3    | -     | 46                 |
| River               | Track          | 591806                | -     | _    | -     | -     | _    | 5,659 | 5,659              |
| River               | Track          | 592711                | 80    | 33   | 19    | 24    | 12   | _     | 169                |
| River Sub - EB      | Communications | 517740                | 4     | 2    | 1     | 1     | 1    | 18    |                    |
| River Sub - EB      | Communications | 519741                | 9     | 4    | 2     | 3     | 1    | 44    | 63                 |
| River Sub - EB      | Signal         | 517731 <sup>(1)</sup> | 38    | 16   | 9     | 12    | 6    | 178   | 259                |
| River Sub - EB      | Signal         | 519731                | 74    | 31   | 17    | 22    | 11   | 343   | 498                |
| River Sub - EB      | Signal         | 519733                | 3     | 1    | 1     | 1     | 0    | 124   | 129                |
| River Sub - EB      | Track          | 517710 <sup>(1)</sup> | 107   | 26   | 25    | 32    | 16   | -     | 206                |
| River Sub - EB      | Track          | 517712 <sup>(1)</sup> | 195   | 81   | 45    | 59    | 29   | 907   |                    |
| River Sub - EB      | Track          | 517713 <sup>(1)</sup> | 28    | 12   | 7     | 8     | 4    | 189   |                    |
| River Sub - EB      | Track          | 592712                | 46    | 19   | 11    | 14    | 7    | 2,100 |                    |
| River Sub - EB      | Track          | 592713                | 33    | 14   | 8     | 10    | 5    | 153   |                    |
| River Sub - WB      | Communications | 519740                | 119   | 22   | 23    | 30    | 15   | -     | 209                |

Exhibit 7.6 FY2019-20 Rehabilitation Carryover Projects Detail (continued)

| SUBDIVISION    | CATEGORY       | PROJECT               | METRO | ОСТА | RCTC | SBCTA | VCTC | OTHER | TOTAL<br>CARRYOVER |
|----------------|----------------|-----------------------|-------|------|------|-------|------|-------|--------------------|
| River Sub - WB | Signal         | 519732                | 1,558 | 372  | 318  | 413   | 206  | -     | 2,866              |
| Riverside      | Facilities     | 515113                | -     | -    | 419  | -     | -    | -     | 419                |
| Riverside      | Facilities     | 516820                | -     | -    | 35   | -     | -    | -     | 35                 |
| San Gabriel    | Communications | 514013                | 7     | -    | -    | 4     | -    | -     | 11                 |
| San Gabriel    | Communications | 515114                | 7     | -    | -    | 5     | -    | -     | 12                 |
| San Gabriel    | Communications | 517440                | 8     | -    | -    | 5     | -    | -     | 13                 |
| San Gabriel    | Communications | 519440                | 193   | -    | -    | 129   | -    | -     | 322                |
| San Gabriel    | Communications | 591805                | -     | -    | -    | 8     | -    | -     | 8                  |
| San Gabriel    | Signage        | 514015 <sup>(1)</sup> | 10    | -    | -    | 6     | -    | -     | 16                 |
| San Gabriel    | Signal         | 514016                | 13    | -    | -    | 9     | -    | -     | 22                 |
| San Gabriel    | Signal         | 515115                | 15    | -    | -    | 2     | -    | 8     | 24                 |
| San Gabriel    | Signal         | 517431                | 15    | -    | -    | 10    | -    | -     | 25                 |
| San Gabriel    | Signal         | 519430                | 2,225 | -    | -    | 1,484 | -    | -     | 3,709              |
| San Gabriel    | Structures     | 514014                | 13    | -    | -    | 9     | -    | -     | 22                 |
| San Gabriel    | Structures     | 515116                | 3     | -    | -    | 2     | -    | -     | 5                  |
| San Gabriel    | Structures     | 517420                | 134   | -    | -    | 89    | -    | -     | 223                |
| San Gabriel    | Structures     | 519420                | 460   | -    | -    | 307   | -    | -     | 766                |
| San Gabriel    | Structures     | 592420                | 682   | -    | -    | 455   | -    | -     | 1,137              |
| San Gabriel    | Track          | 514017                | -     | -    | -    | 46    | 69   | -     | 115                |
| San Gabriel    | Track          | 514061                | -     | -    | -    | 17    | 26   | -     | 43                 |
| San Gabriel    | Track          | 515117                | 6     | -    | -    | 4     | -    | -     | 10                 |
| San Gabriel    | Track          | 515118                | 45    | -    | -    | 30    | -    | -     | 75                 |
| San Gabriel    | Track          | 515412 <sup>(1)</sup> | -     | -    | -    | 46    | -    | -     | 46                 |
| San Gabriel    | Track          | 516410                | -     | -    | -    | 78    | -    | -     | 78                 |
| San Gabriel    | Track          | 517410                | 85    | -    | -    | 57    | -    | -     | 142                |
| San Gabriel    | Track          | 519410                | 2,565 | -    | -    | 1,710 | -    | -     | 4,275              |
| San Gabriel    | Track          | 519411                | 1,391 | -    | -    | 927   | -    | -     | 2,318              |
| San Gabriel    | Track          | 591712                | 19    | -    | -    | 9     | -    | -     | 28                 |
| San Gabriel    | Track          | 591713                | 34    | -    | -    | 16    | -    | -     | 50                 |
| San Gabriel    | Track          | 591802                | -     | -    | -    | -     | -    | 1     | 1                  |
| San Gabriel    | Track          | 593410                | 199   | -    | -    | 133   | -    | -     | 331                |
| Shortway       | Facilities     | 517053                | 179   | 75   | 42   | 54    | -    | -     | 350                |
| Shortway       | Facilities     | 519034                | 451   | 188  | 105  | 137   | -    | -     | 880                |
| Shortway       | Signal         | 519033                | 551   | 230  | 129  | 167   | -    | -     | 1,077              |
| Valley         | Communications | 514018                | -     | -    | -    | -     | 12   | -     | 12                 |
| Valley         | Communications | 519340                | 99    | -    | -    | -     | -    | -     | 99                 |
| Valley         | Security       | 514063                | 64    | -    | -    | -     | -    | -     | 64                 |
| Valley         | Signal         | 517330                | 2     | -    | -    | -     | -    | -     |                    |
| Valley         | Signal         | 519330                | 695   | -    | -    | -     | -    | -     | 695                |
| Valley         | Structures     | 515123                | -     | -    | -    | _     | _    | 3     | 3                  |

Exhibit 7.6 FY2019-20 Rehabilitation Carryover Projects Detail (continued)

| (000's)                |                |               |       |      |      |       |      |       |                    |
|------------------------|----------------|---------------|-------|------|------|-------|------|-------|--------------------|
| SUBDIVISION            | CATEGORY       | PROJECT       | METRO | OCTA | RCTC | SBCTA | VCTC | OTHER | TOTAL<br>CARRYOVER |
| Valley                 | Structures     | 591701        | -     | -    | -    | -     | -    | 1     | 1                  |
| Valley                 | Structures     | 592320        | 614   | -    | -    | -     | -    | -     | 614                |
| Valley                 | Structures     | 592321        | 629   | -    | -    | -     | -    | -     | 629                |
| Valley                 | Structures     | 592322        | 633   | -    | -    | -     | -    | -     | 633                |
| Valley                 | Structures     | 592323        | 370   | _    | _    | _     | _    | _     | 370                |
| Valley                 | Structures     | 592324        | 632   | -    | -    | -     | -    | -     | 632                |
| Valley                 | Structures     | 592326        | 36    | -    | -    | -     | -    | -     | 36                 |
| Valley                 | Structures     | 592327        | 20    | _    | _    | _     | _    | _     | 20                 |
| Valley                 | Structures     | 592328        | 257   | _    | _    | _     | _    | _     | 257                |
| Valley                 | Structures     | 593320        | 5,941 | _    | _    | _     | _    | _     | 5,941              |
| Valley                 | Structures     | 593321        | 130   | -    | _    | _     | _    | _     | 130                |
| -                      |                |               |       |      |      |       |      |       |                    |
| Valley                 | Track          | 514024        | 5     | -    | -    | -     | -    | 6     |                    |
| Valley                 | Track          | 515126        | 3     | -    | -    | -     | -    | -     | 3                  |
| Valley                 | Track          | 515159        | -     | -    | -    | -     | 2    |       | 2                  |
| Valley                 | Track          | 517310        | 60    | -    | -    | -     | -    | 33    |                    |
| Valley                 | Track          | 519310        | 742   | -    | -    | -     | -    | -     |                    |
| Valley                 | Track          | 519320        | 222   | -    | -    | -     | -    | -     | 222                |
| Valley                 | Track          | 591901        | 62    | -    | -    | -     | -    | 39    | 102                |
| Valley                 | Track          | 593310        | 1,138 | -    | -    | -     | -    | -     | 1,138              |
| Ventura - LA           |                |               |       |      |      |       |      |       |                    |
| County                 | Communications | 515127        | 42    | -    | -    | -     | -    | -     | 42                 |
| Ventura - LA           | 0              | E40040        | 50    |      |      |       |      |       | 50                 |
| County<br>Ventura - LA | Communications | 519240        | 50    | -    | -    | -     | -    | -     | 50                 |
| County                 | Signal         | 514027        | 4     |      | _    | _     | _    | _     | 4                  |
| Ventura - LA           | Signal         | 314021        | 4     | -    |      | -     |      | -     | 4                  |
| County                 | Signal         | 519230        | 355   | _    | _    | _     | _    | _     | 355                |
| Ventura - LA           | 0.g            | 0.0200        |       |      |      |       |      |       |                    |
| County                 | Signal         | 591704        | _     | -    | -    | _     | 1    | 14    | 15                 |
| Ventura - LA           | · ·            |               |       |      |      |       |      |       |                    |
| County                 | Structures     | 514028        | 1     | -    | -    | -     | -    | -     | 1                  |
| Ventura - LA           |                |               |       |      |      |       |      |       |                    |
| County                 | Structures     | 592220        | 1,477 | -    | -    | -     | -    | -     | 1,477              |
| Ventura - LA           |                |               |       |      |      |       |      |       |                    |
| County                 | Structures     | 593220        | 698   | -    | -    | -     | -    | -     | 698                |
| Ventura - LA           | <b>-</b> .     | <b>544000</b> |       |      |      |       |      | 0.4   | 0=                 |
| County                 | Track          | 514030        | 4     | -    | -    | -     | -    | 21    | 25                 |
| Ventura - LA           | Trock          | 514066        | 4     |      |      |       | 2    |       | 2                  |
| County<br>Ventura - LA | Track          | 314000        | 1     | -    | -    | -     | 2    | -     | 3                  |
| County                 | Track          | 519210        | 1,540 | =    | =    | =     | =    | =     | 1,540              |
| Ventura - LA           | HAUN           | 010210        | 1,040 |      |      | -     |      | -     | 1,340              |
| County                 | Track          | 519211        | 248   | _    | _    | _     | _    | _     | 248                |
|                        |                | <u> </u>      |       |      |      |       |      |       | _ 10               |

Exhibit 7.6 FY2019-20 Rehabilitation Carryover Projects Detail (continued)

| (000's) SUBDIVISION | CATEGORY          | PROJECT | METRO | ОСТА | RCTC | SBCTA | vстс  | OTHER | TOTAL<br>CARRYOVER |
|---------------------|-------------------|---------|-------|------|------|-------|-------|-------|--------------------|
| Ventura - LA        |                   |         |       |      |      |       |       |       |                    |
| County              | Track             | 519220  | 222   | -    | -    | -     | -     | -     | 222                |
| Ventura - LA        |                   |         |       |      |      |       |       |       |                    |
| County              | Track             | 591702  | -     | -    | -    | -     | 8     | 63    | 71                 |
| Ventura - LA        |                   |         |       |      |      |       |       |       |                    |
| County              | Track             | 592210  | 397   | -    | -    | -     | -     | -     | 397                |
| Ventura - VC        |                   |         |       |      |      |       |       |       |                    |
| County              | Communications    | 515133  | 10    | -    | -    | -     | 1     | -     | 11                 |
| Ventura - VC        |                   |         |       |      |      |       |       |       |                    |
| County              | Communications    | 517140  | -     | -    | -    | -     | 138   | -     | 138                |
| Ventura - VC        |                   |         |       |      |      |       |       |       |                    |
| County              | Communications    | 518140  | -     | -    | -    | -     | 25    | -     | 25                 |
| Ventura - VC        |                   |         |       |      |      |       |       |       |                    |
| County              | Facilities        | 591710  | -     | -    | -    | -     | 174   | -     | 174                |
| Ventura - VC        |                   |         |       |      |      |       |       |       |                    |
| County              | Facilities        | 591804  | -     | _    | _    | -     | 244   | 50    | 294                |
| Ventura - VC        |                   |         |       |      |      |       |       |       |                    |
| County              | Signal            | 514032  | 2     | _    | _    | _     | _     | _     | 2                  |
| Ventura - VC        | <b>3</b> .g. i.a. | 000_    | _     |      |      |       |       |       | _                  |
| County              | Signal            | 514034  | 8     | _    | _    | _     | 13    | _     | 21                 |
| Ventura - VC        | <b>3</b> .g. i.s. | 000.    |       |      |      |       |       |       |                    |
| County              | Signal            | 515134  | _     | _    | _    | _     | 6     | _     | 6                  |
| Ventura - VC        | Orginal           | 010101  |       |      |      |       |       |       | J                  |
| County              | Signal            | 516130  | _     | _    | _    | _     | 14    | _     | 14                 |
| Ventura - VC        | Olgilai           | 010100  |       |      |      |       |       |       |                    |
| County              | Signal            | 517130  | _     | _    | _    | _     | 294   | _     | 294                |
| Ventura - VC        | Olgilai           | 017100  |       |      |      |       | 201   |       | 201                |
| County              | Structures        | 514035  | 3     | _    | _    | _     | _     | _     | 3                  |
| Ventura - VC        | Oli dotal oo      | 011000  |       |      |      |       |       |       |                    |
| County              | Structures        | 517122  | _     | _    | _    | _     | 39    | _     | 39                 |
| Ventura - VC        | Oli dotal oo      | 017122  |       |      |      |       | 00    |       | 00                 |
| County              | Structures        | 519120  | _     | _    | _    | _     | 1,505 | _     | 1,505              |
| Ventura - VC        | Oli dotal oo      | 010120  |       |      |      |       | 1,000 |       | 1,000              |
| County              | Structures        | 519130  | _     | _    | _    | _     | 1,008 | _     | 1,008              |
| Ventura - VC        | Oli dotal oo      | 010100  |       |      |      |       | 1,000 |       | 1,000              |
| County              | Structures        | 519140  | _     | _    | _    | _     | 87    | _     | 87                 |
| Ventura - VC        | Olluciules        | 313140  |       |      |      |       | O1    |       | 07                 |
| County              | Structures        | 519160  | _     | _    | _    | _     | 1,527 | _     | 1,527              |
| Ventura - VC        | Siluciules        | 319100  | -     |      | _    | -     | 1,527 | _     | 1,527              |
| County              | Structures        | 592120  |       | _    | _    | _     | 1,104 | _     | 1,104              |
| Ventura - VC        | Giruciures        | J32 12U | -     | -    | -    | -     | 1,104 | -     | 1,104              |
| County              | Track             | E14026  | 48    | _    |      | _     |       | _     | 48                 |
| Ventura - VC        | II dUK            | 514036  | 40    | -    | -    | -     | -     | -     | 48                 |
|                     | Trook             | E1E107  |       |      |      |       | 20    |       | 20                 |
| County              | Track             | 515137  | -     | -    | -    | -     | 20    | -     | 20                 |
| Ventura - VC        | Tanale            | F47440  |       |      |      |       | 444   |       | 444                |
| County              | Track             | 517110  | -     |      | -    | -     | 111   |       | 111                |

Exhibit 7.6 FY2019-20 Rehabilitation Carryover Projects Detail (continued)

| (000's)                |                |                                 |       |      |      |       |       |       |                    |
|------------------------|----------------|---------------------------------|-------|------|------|-------|-------|-------|--------------------|
| SUBDIVISION            | CATEGORY       | PROJECT                         | METRO | OCTA | RCTC | SBCTA | VCTC  | OTHER | TOTAL<br>CARRYOVER |
| Ventura - VC           |                |                                 |       |      |      |       |       |       |                    |
| County                 | Track          | 518110                          | -     | -    | -    | -     | 1,448 | -     | 1,448              |
| Ventura - VC           |                |                                 |       |      |      |       |       |       |                    |
| County                 | Track          | 591711                          | -     | -    | -    | -     | 39    | -     | 39                 |
| Ventura - VC           | Total          | 500440                          |       |      |      |       | 00    |       | 00                 |
| County<br>Ventura - VC | Track          | 592110                          | -     | -    | -    | -     | 92    | -     | 92                 |
| County                 | Track          | 592111                          | _     |      | _    | _     | 227   | _     | 227                |
| Ventura - VC           | ITACK          | 392111                          |       |      |      |       | 221   |       | 221                |
| County                 | Track          | 592112                          | -     | -    | _    | -     | 310   | -     | 310                |
| Systemwide             | Communications | 514040                          | 1     | 0    | 0    | 0     | -     | -     | 2                  |
| Systemwide             | Communications | 514041                          | 1     | 0    | 0    | 0     | _     | _     | 1                  |
| Systemwide             | Communications | 515152 <sup>(1)</sup>           | -     | 15   | 9    | 11    | 42    | -     | 77                 |
| Systemwide             | Communications | 517040(1)                       | 133   | 56   | 31   | 40    | 20    | _     | 280                |
| Systemwide             | Communications | 519040                          | 733   | -    | 121  | 157   | 78    | _     | 4 000              |
| Systemwide             | Communications | 591707 <sup>(1)</sup>           | 5     | 2    | 1    | 2     | 1     | _     |                    |
| Systemwide             | Facilities     | 514042 <sup>(1)</sup>           | 20    | 7    | 4    | 5     | _     | _     | 37                 |
| Systemwide             | Facilities     | 514044                          | 16    | 2    | 1    | 1     | _     | _     | 20                 |
| Systemwide             | Facilities     | 514045 <sup>(1)</sup>           | 2     | 1    | 0    | 1     | _     | _     | 4                  |
| Systemwide             | Facilities     | 514048                          | 1     |      | -    | -     | _     | -     |                    |
| Systemwide             | Facilities     | 515145 <sup>(1)</sup>           | 2     | 1    | 0    | 1     | 0     | 2     |                    |
| Systemwide             | Facilities     | 516069                          |       |      |      | 4     | 3     |       | _                  |
| Systemwide             | Facilities     | 517030 <sup>(1)</sup>           | 29    | 12   | 7    | 9     | 4     | _     | 61                 |
| Systemwide             | Facilities     | 517050 517051 <sup>(1)</sup>    | 32    | 13   | 8    | 10    | 5     | _     | 68                 |
| Systemwide             | Facilities     | 517051 517052 <sup>(1)</sup>    | 749   | 312  | 175  | 149   | 75    | _     | 1,460              |
| Systemwide             | Facilities     | 517052<br>517054 <sup>(1)</sup> | 452   | 189  | 106  | 137   | 69    |       | 953                |
| Systemwide             | Facilities     | 517055                          | 381   | 159  | 89   | 116   | 58    | 253   |                    |
| Systemwide             | Facilities     | 517056                          | 301   | 100  | 09   | 110   | -     | 1,267 | ·                  |
| Systemwide             | Facilities     | 517030                          | 1,030 | 166  | 197  | 256   | 128   | 1,207 | 1,777              |
| Systemwide             | Facilities     | 519041                          | 449   | 110  | 92   | 120   | 60    |       | 200                |
| -                      | Facilities     |                                 |       | 110  | 13   | 17    |       | -     |                    |
| Systemwide             |                | 519061                          | 80    | 470  |      |       | 9     | -     | 119                |
| Systemwide             | Facilities     | 519062                          | 428   | 179  | 100  | 130   | 65    | -     | 902                |
| Systemwide             | Facilities     | 519064                          | 270   | 130  | 54   | 86    | 54    | -     |                    |
| Systemwide             | Facilities     | 519760                          | 285   | 119  | 66   | 86    | 43    | -     | 599                |
| Systemwide             | Facilities     | 591705 <sup>(1)</sup>           | 41    | 17   | 9    | 12    | 6     | -     | 86                 |
| Systemwide             | IT             | 514046                          | 20    | 16   | 10   | 11    | -     | 17    |                    |
| Systemwide             | IT             | 514047                          | 24    | 10   | 6    | 7     | -     | -     |                    |
| Systemwide             | IT             | 514049                          | 2     | 1    | 0    | 16    | 0     | -     |                    |
| Systemwide             | IT             | 519070                          | 117   | 49   | 27   | 36    | 18    | -     |                    |
| Systemwide             | IT             | 519091                          | 94    | 39   | 22   | 29    | 14    | -     | 198                |

Exhibit 7.6 FY2019-20 Rehabilitation Carryover Projects Detail (continued)

| SUBDIVISION | CATEGORY      | PROJECT               | METRO  | ОСТА   | RCTC   | SBCTA  | vстс   | OTHER  | TOTAL<br>CARRYOVER |
|-------------|---------------|-----------------------|--------|--------|--------|--------|--------|--------|--------------------|
| Systemwide  | IT            | 519092                | 51     | -      | 8      | 11     | 5      | -      | 75                 |
| Systemwide  | IT            | 519093                | 661    | -      | 109    | 142    | 71     | -      | 983                |
| Systemwide  | Rolling Stock | 514043 <sup>(1)</sup> | 2      | 1      | -      | 1      | -      | -      | 4                  |
| Systemwide  | Rolling Stock | 515147 <sup>(1)</sup> | 0      | 0      | 0      | 0      | 1      | -      | 2                  |
| Systemwide  | Rolling Stock | 515148 <sup>(1)</sup> | 30     | 7      | -      | -      | -      | -      | 37                 |
| Systemwide  | Rolling Stock | 515151 <sup>(1)</sup> | 6      | 65     | 69     | 112    | 45     | 228    | 526                |
| Systemwide  | Rolling Stock | 517050 <sup>(1)</sup> | 340    | 142    | 80     | 103    | 52     | -      | 716                |
| Systemwide  | Rolling Stock | 518050 <sup>(1)</sup> | 6,734  | 2,807  | 1,574  | 1,959  | 979    | 25,818 | 39,871             |
| Systemwide  | Rolling Stock | 519050                | 12,743 | 749    | 2,225  | 2,887  | 1,443  | -      | 20,048             |
| Systemwide  | Rolling Stock | 519051                | 517    | 216    | 121    | 157    | 78     | -      | 1,089              |
| Systemwide  | Rolling Stock | 519052                | 272    | 113    | 63     | 82     | 41     | -      | 572                |
| Systemwide  | Rolling Stock | 519053                | 523    | 218    | 122    | 159    | 79     | -      | 1,101              |
| Systemwide  | Rolling Stock | 519054                | 313    | 130    | 73     | 95     | 47     | -      | 659                |
| Systemwide  | Rolling Stock | 519055                | 1,640  | 684    | 383    | 497    | 249    | -      | 3,452              |
| Systemwide  | Rolling Stock | 591709 <sup>(1)</sup> | 87     | 36     | 20     | 26     | 13     | -      | 184                |
| Systemwide  | Signage       | 514001                | 17     | -      | -      | -      | -      | -      | 17                 |
| Systemwide  | Signal        | 514055                | 3      | 1      | 1      | 1      | -      | -      | 5                  |
| Systemwide  | Signal        | 519031                | 753    | -      | 124    | 161    | 81     | -      | 1,119              |
| Systemwide  | Signal        | 519032                | 398    | -      | 66     | 85     | 43     | -      | 592                |
| Systemwide  | Structures    | 592221                | 1      | -      | -      | -      | -      | -      | 1                  |
| Systemwide  | Track         | 514056 <sup>(1)</sup> | 2      | 1      | -      | -      | -      | -      | 3                  |
| Systemwide  | Track         | 514057 <sup>(1)</sup> | 54     | 23     | 13     | 16     | -      | -      | 106                |
| Systemwide  | Track         | 514065 <sup>(1)</sup> | 10     | 4      | 2      | 3      | -      | -      | 19                 |
| Systemwide  | Track         | 515154 <sup>(1)</sup> | -      | 4      | 2      | 3      | 10     | -      | 19                 |
| Systemwide  | Track         | 515155 <sup>(1)</sup> | 3      | 1      | 1      | 1      | -      | -      | 6                  |
| Systemwide  | Track         | 519010                | 1,029  | 195    | 202    | 262    | 131    | -      | 1,819              |
| Systemwide  | Track         | 519011                | 341    | 142    | 80     | 103    | 52     | -      | 718                |
| Systemwide  | Track         | 519012                | 500    | -      | 82     | 107    | 53     | -      | 743                |
| Systemwide  | Track         | 519090                | 553    | 231    | 129    | 168    | 84     | -      | 1,165              |
| Systemwide  | Vehicle       | 514058                | 3      | -      | -      | -      | -      | -      | 3                  |
| Systemwide  | Vehicle       | 514059                | 2      | 1      | -      | 1      | -      | -      | 4                  |
| Systemwide  | Vehicle       | 519063                | 1,084  | 129    | 200    | 259    | 130    | -      | 1,802              |
| Systemwide  | Vehicle       | 591706 <sup>(1)</sup> | 179    | 75     | 42     | 54     | 27     | -      | 378                |
| Grand Total |               |                       | 70,685 | 43,232 | 13,472 | 17,599 | 14,317 | 58,016 | 217,321            |

Numbers may not foot due to rounding.

# NOTE:

(1) Projects part of the ROTEM Settlement

Exhibit 7.7 FY2019-20 Rehabilitation New Authority Projects Detail

| ATCS/PTC/CIS/Backhaul   Orange   Communications   - 602     - 602     - 602     - 602     - 602     - 602     - 602     - 602     - 602     - 602     - 602     - 602     - 602     - 602     - 602     - 602     - 602     - 602     - 602       - 602       - 602       - 602       - 602       - 602       - 602         - 602           - 602                                     - 602   -                 -   -   -   -  | PROJECT DESCRIPTION            | SUBDIVISION | CATEGORY       | METRO | OCTA  | RCTC | SBCTA | VCTC | OTHER | TOTAL |
|--|--------------------------------|-------------|----------------|-------|-------|------|-------|------|-------|-------|
| Rehabilitation Orange Orange County - Structures Orange Olive Subdivision Track Orange County - Structures Orange Olive Subdivision Track Rehabilitation San Gabriel Orange County - Sa | ATCS/PTC/CIS/Backhaul          |             |                | -     |       | -    | -     | -    | -     | 602   |
| Rehabilitation   | Rehabilitation Orange          | J           |                |       |       |      |       |      |       |       |
| Rehabilitation   | Orange County - Structures     | Orange      | Structures     | -     | 2,380 | -    | -     | -    | -     | 2,380 |
| Rehabilitation   River   Communications   118   49   28   36   18   249   240   24   | Rehabilitation                 | -           |                |       |       |      |       |      |       |       |
| ATCS/PTC/CIS/Backhaul River Communications 118 49 28 36 18 249 Rehabilitation River ATCS/PTC/CIS/Backhaul San Gabriel Communications 206 - 137 - 333 Rehabilitation San Gabriel Grade Crossing Warning San Gabriel Signals 2,729 - 1,819 - 4,548 System Rehabilitation - LA/SB County San Gabriel Subdivision - San Gabriel Structures 1,388 - 925 - 2,313 Structures Rehabilitation San Gabriel Track 4,368 - 2,912 - 7,280 Rehabilitation San Gabriel Subdivision Track San Gabriel Track 4,368 - 2,912 - 7,280 Rehabilitation Signal System Rehabilitation - San Gabriel Signals 847 - 565 - 1,411 San Gabriel Subdivision LA/SB County ATCS/PTC/CIS/Backhaul San Jacinto Communications - 315 315 Rehabilitation PVL (PVL) Facilities Rehabilitation Systemwide Facilities 1,470 613 344 446 223 - 3,095 Gen 1 HVAC Overhaul Systemwide Rolling Stock 441 184 103 134 67 - 928 (Additional 40 Cars) HVAC Overhaul for Forty (40) Systemwide Rolling Stock 618 258 144 187 94 - 1,301 Rolling Stock Systemwide Rolling Stock 618 258 144 187 94 - 1,301 Rolling Stock Systemwide Rolling Stock 618 258 144 187 94 - 1,301 Rolling Stock Systemwide Rolling Stock 618 258 144 187 94 - 1,301 Rolling Stock 618 258 144 187      | Orange/Olive Subdivision Track | Orange      | Track          | -     | 7,230 | -    | -     | -    | -     | 7,230 |
| Rehabilitation River   ArtCs/PTC/CIS/Backhaul   San Gabriel   Communications   206   -   137   -   343   343   344   344   344   344   344   344   344   344   344   344   344   344   345   3   | Rehabilitation                 |             |                |       |       |      |       |      |       |       |
| ATCS/PTC/CIS/Backhaul San Gabriel Communications 206 - 137 - 343 Rehabilitation San Gabriel Signals 2,729 - 1,819 - 4,548 System Rehabilitation - LA/SB County San Gabriel Subdivision - San Gabriel Structures 1,388 - 925 - 2,313 Structures Rehabilitation Structures Rehabilitation San Gabriel Subdivision Track Rehabilitation San Gabriel Subdivision LA/SB County San Gabriel Signals 847 - 5665 - 1,411 Signal System Rehabilitation Signal System Systemwide Rolling Stock 441 184 103 344 446 223 - 3,095 Systemwide Systemwide Non-Revenue 241 101 56 73 37 - 508 Replacement Now Yehicle Replacement Systemwide Non-Revenue 1,254 523 293 380 190 - 2,640 Fieet Non-Revenue 475 198 111 144 72 - 1,000 Systemwide Non-Revenue 475 198 111 144 72 - 1,000 Systemwide Lubrication Study Religional Systemwide Systemwide Religional Systemwide Religion Systemwide Religional Systemwide Religion Systemwide Religional Systemwide Religion Systemwide Religional Religion Systemwide Religion Systemwide Religional Religion Systemwide  | ATCS/PTC/CIS/Backhaul          | River       | Communications | 118   | 49    | 28   | 36    | 18   |       | 249   |
| Rehabilitation San Gabriel   Grade Crossing Warning   San Gabriel   Signals   2,729   - 1,819   - 4,548   System Rehabilitation - LA/SB   County   San Gabriel   Structures   1,388   - 925   - 2,313   Structures   San Gabriel Subdivision - San Gabriel Subdivision Track   San Gabriel Subdivision Track   San Gabriel   Signals   847   - 565   - 7,280   Rehabilitation   San Gabriel Subdivision LA/SB   Signal System Rehabilitation   San Gabriel   Signals   847   - 565   - 7,280   Signal System Rehabilitation   San Gabriel Subdivision LA/SB   Signal System Rehabilitation   San Gabriel Signal System Rehabilitation   San Gabriel   Signals   847   - 565   - 7,280   Signal System Rehabilitation   San Gabriel Signal System Rehabilitation   San Gabriel Signals   San Gabr   | Rehabilitation River           |             |                |       |       |      |       |      |       |       |
| Signale   Sign   | ATCS/PTC/CIS/Backhaul          | San Gabriel | Communications | 206   | -     | -    | 137   | -    | -     | 343   |
| System Rehabilitation - LA/SB   County   | Rehabilitation San Gabriel     |             |                |       |       |      |       |      |       |       |
| San Gabriel Subdivision -   San Gabriel   Structures   1,388   -   925   -   2,313   | Grade Crossing Warning         | San Gabriel | Signals        | 2,729 | -     | -    | 1,819 | -    | -     | 4,548 |
| San Gabriel Subdivision -   San Gabriel   Structures   1,388   -   925   -   2,313   | System Rehabilitation - LA/SB  |             |                |       |       |      |       |      |       |       |
| Structures Rehabilitation   San Gabriel   Track   4,368   -   2,912   -   7,280  | County                         |             |                |       |       |      |       |      |       |       |
| San Gabriel Subdivision Track   San Gabriel   Track   4,368   -   -   2,912   -   -   7,280  | San Gabriel Subdivision -      | San Gabriel | Structures     | 1,388 | -     | -    | 925   | -    | -     | 2,313 |
| Rehabilitation   Signal System Rehabilitation   San Gabriel   Signals   847   -   -   565   -   -   1,411  | Structures Rehabilitation      |             |                |       |       |      |       |      |       |       |
| Signal System Rehabilitation -   San Gabriel   Signals   | San Gabriel Subdivision Track  | San Gabriel | Track          | 4,368 | -     | -    | 2,912 | -    | -     | 7,280 |
| San Gabriel Subdivision LA/SB   County   | Rehabilitation                 |             |                |       |       |      |       |      |       |       |
| County   | Signal System Rehabilitation - | San Gabriel | Signals        | 847   | -     | =    | 565   | -    | =     | 1,411 |
| ATCS/PTC/CIS/Backhaul San Jacinto (PVL)  Rehabilitation PVL (PVL)  Facilities Rehabilitation Systemwide Facilities 1,470 613 344 446 223 - 3,095  Gen 1 HVAC Overhaul Systemwide Rolling Stock 441 184 103 134 67 - 928  (Additional 40 Cars)  HVAC Overhaul for Forty (40) Systemwide Rolling Stock 618 258 144 187 94 - 1,301  Rotem Passenger Cars Phase II  MOW Total Loss Vehicle Systemwide Non-Revenue 241 101 56 73 37 - 508  Replacement Fleet  MOW Vehicle Replacement Systemwide Non-Revenue 1,254 523 293 380 190 - 2,640  Fleet  Overhaul Current Specialized Systemwide Non-Revenue 475 198 111 144 72 - 1,000  MOW Equipment; Phase 1  Overhaul Rotem Car Side Door Systemwide Rolling Stock 295 123 69 89 45 - 621  Mechanisms & Components  Rail Grinding FY20 Systemwide Track 465 194 109 141 70 - 979  Systemwide Lubrication Study Systemwide Track 543 227 127 165 82 - 1,144  & Implementation  ATCS/PTC/CIS/Backhaul Valley Communications 348 348   | San Gabriel Subdivision LA/SB  |             |                |       |       |      |       |      |       |       |
| Rehabilitation PVL   | County                         |             |                |       |       |      |       |      |       |       |
| Facilities Rehabilitation  |                                |             | Communications | -     | -     | 315  | -     | -    | -     | 315   |
| Gen 1 HVAC Overhaul   Systemwide   Rolling Stock   441   184   103   134   67   - 928  |                                | ` '         |                |       |       |      |       |      |       |       |
| (Additional 40 Cars)         HVAC Overhaul for Forty (40)       Systemwide       Rolling Stock       618       258       144       187       94       -       1,301         Rotem Passenger Cars Phase II       MOW Total Loss Vehicle       Systemwide       Non-Revenue       241       101       56       73       37       -       508         Replacement       Fleet         MOW Vehicle Replacement       Systemwide       Non-Revenue       1,254       523       293       380       190       -       2,640         Fleet       Overhaul Current Specialized       Systemwide       Non-Revenue       475       198       111       144       72       -       1,000         MOW Equipment; Phase 1       Fleet         Overhaul Rotem Car Side Door       Systemwide       Rolling Stock       295       123       69       89       45       -       621         Mechanisms & Components       Rail Grinding FY20       Systemwide       Track       465       194       109       141       70       -       979         Systemwide Lubrication Study       Systemwide       Track       543 </td <td>Facilities Rehabilitation</td> <td>Systemwide</td> <td>Facilities</td> <td>1,470</td> <td>613</td> <td>344</td> <td>446</td> <td>223</td> <td>-</td> <td>3,095</td>   | Facilities Rehabilitation      | Systemwide  | Facilities     | 1,470 | 613   | 344  | 446   | 223  | -     | 3,095 |
| (Additional 40 Cars)         HVAC Overhaul for Forty (40)       Systemwide       Rolling Stock       618       258       144       187       94       -       1,301         Rotem Passenger Cars Phase II       MOW Total Loss Vehicle       Systemwide       Non-Revenue       241       101       56       73       37       -       508         Replacement       Fleet         MOW Vehicle Replacement       Systemwide       Non-Revenue       1,254       523       293       380       190       -       2,640         Fleet       Overhaul Current Specialized       Systemwide       Non-Revenue       475       198       111       144       72       -       1,000         MOW Equipment; Phase 1       Fleet         Overhaul Rotem Car Side Door       Systemwide       Rolling Stock       295       123       69       89       45       -       621         Mechanisms & Components       Rail Grinding FY20       Systemwide       Track       465       194       109       141       70       -       979         Systemwide Lubrication Study       Systemwide       Track       543 </td <td>Gen 1 HVAC Overhaul</td> <td>Systemwide</td> <td>Rolling Stock</td> <td>441</td> <td>184</td> <td>103</td> <td>134</td> <td>67</td> <td>-</td> <td>928</td>   | Gen 1 HVAC Overhaul            | Systemwide  | Rolling Stock  | 441   | 184   | 103  | 134   | 67   | -     | 928   |
| HVAC Overhaul for Forty (40) Systemwide Rolling Stock 618 258 144 187 94 - 1,301 Rotem Passenger Cars Phase II  MOW Total Loss Vehicle Systemwide Non-Revenue 241 101 56 73 37 - 508 Replacement Fleet  MOW Vehicle Replacement Systemwide Non-Revenue 1,254 523 293 380 190 - 2,640 Fleet  Overhaul Current Specialized Systemwide Non-Revenue 475 198 111 144 72 - 1,000 MOW Equipment; Phase 1 Fleet  Overhaul Rotem Car Side Door Systemwide Rolling Stock 295 123 69 89 45 - 621 Mechanisms & Components Rail Grinding FY20 Systemwide Track 465 194 109 141 70 - 979  Systemwide Lubrication Study Systemwide Track 543 227 127 165 82 - 1,144 & Implementation  ATCS/PTC/CIS/Backhaul Valley Communications 348 348   |                                | -,          |                |       |       |      |       | •    |       |       |
| Rotem Passenger Cars Phase   I   | ,                              | Systemwide  | Rolling Stock  | 618   | 258   | 144  | 187   | 94   | -     | 1,301 |
| MOW Total Loss Vehicle   |                                | .,          | 3              |       |       |      |       |      |       | ,     |
| Fleet   Fleet   MOW Vehicle Replacement   Systemwide   Non-Revenue   1,254   523   293   380   190   - 2,640   | II                             |             |                |       |       |      |       |      |       |       |
| MOW Vehicle Replacement         Systemwide         Non-Revenue Fleet         1,254         523         293         380         190         -         2,640           Overhaul Current Specialized         Systemwide         Non-Revenue         475         198         111         144         72         -         1,000           MOW Equipment; Phase 1         Fleet         Fleet         -   | MOW Total Loss Vehicle         | Systemwide  | Non-Revenue    | 241   | 101   | 56   | 73    | 37   | -     | 508   |
| Fleet Overhaul Current Specialized Systemwide Non-Revenue 475 198 111 144 72 - 1,000 MOW Equipment; Phase 1 Fleet Overhaul Rotem Car Side Door Systemwide Rolling Stock 295 123 69 89 45 - 621 Mechanisms & Components Rail Grinding FY20 Systemwide Track 465 194 109 141 70 - 979 Systemwide Lubrication Study Systemwide Track 543 227 127 165 82 - 1,144 & Implementation ATCS/PTC/CIS/Backhaul Valley Communications 348 348  | Replacement                    | •           | Fleet          |       |       |      |       |      |       |       |
| Overhaul Current Specialized Systemwide Non-Revenue 475 198 111 144 72 - 1,000 MOW Equipment; Phase 1 Fleet  Overhaul Rotem Car Side Door Systemwide Rolling Stock 295 123 69 89 45 - 621 Mechanisms & Components  Rail Grinding FY20 Systemwide Track 465 194 109 141 70 - 979  Systemwide Lubrication Study Systemwide Track 543 227 127 165 82 - 1,144 & Implementation  ATCS/PTC/CIS/Backhaul Valley Communications 348 348  | MOW Vehicle Replacement        | Systemwide  | Non-Revenue    | 1,254 | 523   | 293  | 380   | 190  | -     | 2,640 |
| MOW Equipment; Phase 1 Fleet  Overhaul Rotem Car Side Door Systemwide Rolling Stock 295 123 69 89 45 - 621  Mechanisms & Components  Rail Grinding FY20 Systemwide Track 465 194 109 141 70 - 979  Systemwide Lubrication Study Systemwide Track 543 227 127 165 82 - 1,144  & Implementation  ATCS/PTC/CIS/Backhaul Valley Communications 348 348   | •                              | •           | Fleet          |       |       |      |       |      |       |       |
| Overhaul Rotem Car Side Door Systemwide Rolling Stock 295 123 69 89 45 - 621  Mechanisms & Components  Rail Grinding FY20 Systemwide Track 465 194 109 141 70 - 979  Systemwide Lubrication Study Systemwide Track 543 227 127 165 82 - 1,144  & Implementation  ATCS/PTC/CIS/Backhaul Valley Communications 348 348   | Overhaul Current Specialized   | Systemwide  | Non-Revenue    | 475   | 198   | 111  | 144   | 72   | -     | 1,000 |
| Mechanisms & Components           Rail Grinding FY20         Systemwide         Track         465         194         109         141         70         -         979           Systemwide Lubrication Study         Systemwide         Track         543         227         127         165         82         -         1,144           & Implementation           ATCS/PTC/CIS/Backhaul         Valley         Communications         348         -         -         -         -         -         -         -         348   | MOW Equipment; Phase 1         |             | Fleet          |       |       |      |       |      |       |       |
| Rail Grinding FY20         Systemwide         Track         465         194         109         141         70         -         979           Systemwide Lubrication Study         Systemwide         Track         543         227         127         165         82         -         1,144           & Implementation           ATCS/PTC/CIS/Backhaul         Valley         Communications         348         -         -         -         -         -         -         -         -         348   | Overhaul Rotem Car Side Door   | Systemwide  | Rolling Stock  | 295   | 123   | 69   | 89    | 45   | -     | 621   |
| Systemwide Lubrication Study Systemwide Track 543 227 127 165 82 - 1,144 & Implementation  ATCS/PTC/CIS/Backhaul Valley Communications 348 348   | Mechanisms & Components        | -           | -              |       |       |      |       |      |       |       |
| & Implementation ATCS/PTC/CIS/Backhaul Valley Communications 348 348   | Rail Grinding FY20             | Systemwide  | Track          | 465   | 194   | 109  | 141   | 70   | -     | 979   |
| & Implementation ATCS/PTC/CIS/Backhaul Valley Communications 348 348   | Systemwide Lubrication Study   | Systemwide  | Track          | 543   | 227   | 127  | 165   | 82   | -     | 1,144 |
| ATCS/PTC/CIS/Backhaul Valley Communications 348 348  | & Implementation               | -           |                |       |       |      |       |      |       | •     |
| ·  | ATCS/PTC/CIS/Backhaul          | Valley      | Communications | 348   | -     | -    | -     | -    | -     | 348   |
|  | Rehabilitation Valley          | ,           |                |       |       |      |       |      |       |       |

Exhibit 7.7 FY2019-20 Rehabilitation New Authority Projects Detail (continued)

| PROJECT DESCRIPTION   | SUBDIVISION                       | CATEGORY       | METRO  | OCTA   | RCTC   | SBCTA  | VCTC   | OTHER  | TOTAL   |
|---|-----------------------------------|----------------|--------|--------|--------|--------|--------|--------|---------|
| Grade Crossing Warning<br>System Rehabilitation - Valley<br>Subdivision | Valley                            | Signals        | 696    | -      | -      | -      | -      | -      | 696     |
| Pedestrian Gates at Stations  | Valley                            | Signals        | 1,500  | -      | -      | -      | -      | -      | 1,500   |
| Signal System Rehabilitation -<br>Valley Subdivision                    | Valley                            | Signals        | 1,610  | -      | -      | -      | -      | -      | 1,610   |
| Valley Subdivision Track<br>Rehabilitation                              | Valley                            | Track          | 9,675  | -      | -      | -      | -      | -      | 9,675   |
| ATCS/PTC/CIS/Backhaul<br>Rehabilitation Ventura (LA)                    | Ventura - LA<br>County            | Communications | 381    | -      | -      | -      | -      | -      | 381     |
| Ventura Subdivision (LA) Track Rehabilitation                           | Ventura - LA<br>County            | Track          | 2,297  | -      | -      | -      | -      | -      | 2,297   |
| ATCS/PTC/CIS/Backhaul<br>Rehabilitation Ventura                         | Ventura - VC<br>County            | Communications | -      | -      | -      | -      | 189    | -      | 189     |
| Grade Crossing Warning<br>System Rehabilitation - Ventura<br>County     | Ventura - VC<br>County            | Signals        | -      | -      | -      | -      | 2,022  | -      | 2,022   |
| Signal System Rehabilitation -<br>Ventura County                        | Ventura - VC<br>County            | Signals        | -      | -      | -      | -      | 1,756  | -      | 1,756   |
| Ventura County - Structures<br>Rehabilitation                           | Ventura - VC<br>County            | Structures     | -      | -      | -      | -      | 2,500  | -      | 2,500   |
| Ventura Subdivision (VC) Track Rehabilitation                           | Ventura - VC<br>County            | Track          | -      | -      | -      | -      | 1,870  | -      | 1,870   |
| Total FY2019-20 Rehabilitation  | New Authority                     | 1              | 31,964 | 12,680 | 1,698  | 8,153  | 9,235  | -      | 63,731  |
| Total Carryovers from Prior Ye  | Total Carryovers from Prior Years |                |        |        | 13,472 | 17,599 | 14,317 | 58,016 | 217,321 |
| TOTAL FY19-20 Rehabilitation Projects Including Carryovers              |                                   |                |        | 55,912 | 15,170 | 25,752 | 23,552 | 58,016 | 281,052 |

Exhibit 7.8.1 Capital Program Summary and Cash Flow Detail – ALL MEMBER AGENCIES

| CAPITAL PROGRAM                                       | REHABILITATION          | NEW CAPITAL           | TOTAL                   |
|---|-------------------------|-----------------------|-------------------------|
|   | PROJECTS                | PROJECTS              |                         |
| Carryover from Prior Years<br>FY2019-20 New Authority | \$ 159,305<br>\$ 63,731 | \$ 36,003<br>\$ 3,040 | \$ 195,308<br>\$ 66,771 |
| TOTALS  | \$ 223,035              | \$ 39,043             | \$ 262,079              |

|   | CAPITAL PROGRAM BUDGET SUMMARY ALL MEMBER AGENCIES CASH FLOW BY FISCAL YEAR |           |           |           |            |  |  |  |  |  |  |
|---|---|-----------|-----------|-----------|------------|--|--|--|--|--|--|
| (000's)                                     |   |           |           |           |            |  |  |  |  |  |  |
| BUDGET FISCAL YEAR                          | 2019/20   | 2020/21   | 2021/22   | 2022/23   | TOTAL      |  |  |  |  |  |  |
| Carryover from prior years                  |   |           |           |           |            |  |  |  |  |  |  |
| REHABILITATION                              | \$ 69,046   | \$ 49,675 | \$ 40,584 | -         | \$ 159,305 |  |  |  |  |  |  |
| NEW CAPITAL                                 | \$ 15,279   | \$ 20,517 | \$ 207    | -         | \$ 36,003  |  |  |  |  |  |  |
| SUBTOTAL                                    | \$ 84,325   | \$ 70,192 | \$ 40,791 | -         | \$ 195,308 |  |  |  |  |  |  |
| FY2019-20 New Authority                     |   |           |           |           |            |  |  |  |  |  |  |
| REHABILITATION                              | \$ 3,061  | \$ 21,604 | \$ 18,711 | \$ 20,355 | \$ 63,731  |  |  |  |  |  |  |
| NEW CAPITAL                                 | \$ 108  | \$ 734    | \$ 1,189  | \$ 1,009  | \$ 3,040   |  |  |  |  |  |  |
| SUBTOTAL                                    | \$ 3,169  | \$ 22,338 | \$ 19,900 | \$ 21,364 | \$ 66,771  |  |  |  |  |  |  |
| TOTAL PROJECTED CASH<br>FLOW BY FISCAL YEAR | \$ 87,493   | \$ 92,530 | \$ 60,692 | \$ 21,364 | \$ 262,079 |  |  |  |  |  |  |

**Exhibit 7.8.2** Capital Program Summary and Cash Flow Detail – METRO

| REHABILITATION | NEW CAPITAL                          |   |
|----------------|--------------------------------------|---|
| PROJECTS       | PROJECTS                             | TOTAL   |
| ¢ 70 685       | \$ 10.850                            | \$ 81,535   |
| ' '            | 1 ' ' 1 1                            | \$ 33,352   |
| φ σ ι,σσ ι     | ψ .,σσσ                              | Ψ 00,002  |
| \$ 102,649     | \$ 12,239                            | \$ 114,888  |
| ounding.       | <u> </u>                             |   |
|                |                                      |   |
|                | \$ 70,685<br>\$ 31,964<br>\$ 102,649 | PROJECTS       PROJECTS         \$ 70,685       \$ 10,850         \$ 31,964       \$ 1,389         \$ 102,649       \$ 12,239 |

| CAPITAL PROGRAM BUDGET SUMMARY METRO CASH FLOW BY FISCAL YEAR |           |           |           |           |            |  |
|---|-----------|-----------|-----------|-----------|------------|--|
| (000's)<br>BUDGET FISCAL YEAR                                 | 2019/20   | 2020/21   | 2021/22   | 2022/23   | TOTAL      |  |
|   |           |           |           |           |            |  |
| Carryover from prior years                                    |           |           |           |           |            |  |
| REHABILITATION  | \$ 34,251 | \$ 19,674 | \$ 16,760 | -         | \$ 70,685  |  |
| NEW CAPITAL   | \$ 4,798  | \$ 6,052  | -         | -         | \$ 10,850  |  |
| SUBTOTAL  | \$ 39,049 | \$ 25,726 | \$ 16,760 | -         | \$ 81,535  |  |
| FY2019-20 New Authority                                       |           |           |           |           |            |  |
| REHABILITATION  | \$ 1,538  | \$ 10,844 | \$ 9,286  | \$ 10,296 | \$ 31,964  |  |
| NEW CAPITAL   | \$ 49     | \$ 329    | \$ 551    | \$ 460    | \$ 1,389   |  |
| SUBTOTAL  | \$ 1,587  | \$ 11,173 | \$ 9,837  | \$ 10,756 | \$ 33,352  |  |
| TOTAL PROJECTED CASH<br>FLOW BY FISCAL YEAR                   | \$ 40,636 | \$ 36,899 | \$ 26,596 | \$ 10,756 | \$ 114,888 |  |

Exhibit 7.8.3 Capital Program Summary and Cash Flow Detail – OCTA

| CAPITAL PROGRAM                                       | REHABILITATION PROJECTS | NEW CAPITAL PROJECTS | TOTAL                  |
|---|-------------------------|----------------------|------------------------|
| Carryover from Prior Years<br>FY2019-20 New Authority | 43,232<br>12,680        | \$ 7,426<br>\$ 516   | \$ 50,659<br>\$ 13,196 |
| TOTALS  | 55,912                  | \$ 7,942             | \$ 63,854              |

| CAPITAL PROGRAM BUDGET SUMMARY OCTA CASH FLOW BY FISCAL YEAR |         |           |           |          |           |  |
|--|---------|-----------|-----------|----------|-----------|--|
| (000's)  |         |           |           |          |           |  |
| BUDGET FISCAL YEAR   | 2019/20 | 2020/21   | 2021/22   | 2022/23  | TOTAL     |  |
| Carryover from prior years                                   |         |           |           |          |           |  |
| REHABILITATION   | 15,412  | \$ 15,695 | \$ 12,125 | -        | \$ 43,232 |  |
| NEW CAPITAL  | 3,430   | \$ 3,926  | \$ 70     | -        | \$ 7,426  |  |
| SUBTOTAL   | 18,842  | \$ 19,622 | \$ 12,195 | -        | \$ 50,659 |  |
| FY2019-20 New Authority                                      |         |           |           |          |           |  |
| REHABILITATION   | 609     | \$ 4,316  | \$ 3,763  | \$ 3,992 | \$ 12,680 |  |
| NEW CAPITAL  | 17      | \$ 115    | \$ 214    | \$ 170   | \$ 516    |  |
| SUBTOTAL   | 626     | \$ 4,431  | \$ 3,977  | \$ 4,162 | \$ 13,196 |  |
| TOTAL PROJECTED CASH<br>FLOW BY FISCAL YEAR                  | 19,468  | \$ 24,053 | \$ 16,171 | \$ 4,162 | \$ 63,854 |  |

Exhibit 7.8.4 Capital Program Summary and Cash Flow Detail – RCTC

| (000's)   |                               |                         |                       |
|---|-------------------------------|-------------------------|-----------------------|
| CAPITAL PROGRAM                                       | REHABILITATION PROJECTS       | NEW CAPITAL<br>PROJECTS | TOTAL                 |
| Carryover from Prior Years<br>FY2019-20 New Authority | 13,471,624.00<br>1,698,260.51 | \$ 4,285<br>\$ 502      | \$ 17,756<br>\$ 2,200 |
| TOTALS  Numbers may not foot due to ro.               | <b>15,169,884.51</b> unding.  | \$ 4,786                | \$ 19,956             |
|   | ŭ                             |                         |                       |

| CAPITAL PROGRAM BUDGET SUMMARY  RCTC CASH FLOW BY FISCAL YEAR |              |          |          |         |           |
|---|--------------|----------|----------|---------|-----------|
| (000's)   |              |          |          |         |           |
| BUDGET FISCAL YEAR  | 2019/20      | 2020/21  | 2021/22  | 2022/23 | TOTAL     |
| Carryover from prior years                                    |              |          |          |         |           |
| REHABILITATION  | 4,994,317.00 | \$ 4,705 | \$ 3,773 | -       | \$ 13,472 |
| NEW CAPITAL   | 1,880,590.00 | \$ 2,275 | \$ 129   | -       | \$ 4,285  |
| SUBTOTAL  | 6,874,907.00 | \$ 6,979 | \$ 3,902 | -       | \$ 17,756 |
| FY2019-20 New Authority                                       |              |          |          |         |           |
| REHABILITATION  | 70,394.93    | \$ 524   | \$ 751   | \$ 352  | \$ 1,698  |
| NEW CAPITAL   | 20,204.34    | \$ 139   | \$ 173   | \$ 170  | \$ 502    |
| SUBTOTAL  | 90,599.27    | \$ 663   | \$ 924   | \$ 522  | \$ 2,200  |
| TOTAL PROJECTED CASH<br>FLOW BY FISCAL YEAR                   | 6,965,506.27 | \$ 7,642 | \$ 4,826 | \$ 522  | \$ 19,956 |

Exhibit 7.8.5 Capital Program Summary and Cash Flow Detail – SBCTA

| CAPITAL PROGRAM                                       | REHABILITATION<br>PROJECTS    | NEW CAPITAL<br>PROJECTS | TOTAL                 |
|---|-------------------------------|-------------------------|-----------------------|
| Carryover from Prior Years<br>FY2019-20 New Authority | 17,599,076.00<br>8,153,245.04 | \$ 8,682<br>\$ 446      | \$ 26,281<br>\$ 8,599 |
| TOTALS  | 25,752,321.04                 | \$ 9,128                | \$ 34,881             |

| CAPITAL PROGRAM BUDGET SUMMARY SBCTA CASH FLOW BY FISCAL YEAR |               |           |          |          |           |
|---|---------------|-----------|----------|----------|-----------|
| (000's)   |               |           |          |          |           |
| BUDGET FISCAL YEAR  | 2019/20       | 2020/21   | 2021/22  | 2022/23  | TOTAL     |
| Carryover from prior years                                    |               |           |          |          |           |
| REHABILITATION  | 6,813,090.00  | \$ 5,903  | \$ 4,883 | -        | \$ 17,599 |
| NEW CAPITAL   | 3,284,105.00  | \$ 5,391  | \$7      | -        | \$ 8,682  |
| SUBTOTAL  | 10,097,195.00 | \$ 11,294 | \$ 4,890 | -        | \$ 26,281 |
| FY2019-20 New Authority                                       |               |           |          |          |           |
| REHABILITATION  | 389,528.50    | \$ 2,735  | \$ 2,394 | \$ 2,634 | \$ 8,153  |
| NEW CAPITAL   | 15,963.84     | \$ 109    | \$ 173   | \$ 148   | \$ 446    |
| SUBTOTAL  | 405,492.34    | \$ 2,844  | \$ 2,568 | \$ 2,783 | \$ 8,599  |
| TOTAL PROJECTED CASH<br>FLOW BY FISCAL YEAR                   | 10,502,687.34 | \$ 14,138 | \$ 7,458 | \$ 2,783 | \$ 34,881 |

Exhibit 7.8.6 Capital Program Summary and Cash Flow Detail – VCTC

| CAPITAL PROGRAM                                       | REHABILITATION PROJECTS       | NEW CAPITAL PROJECTS | TOTAL                 |
|---|-------------------------------|----------------------|-----------------------|
| Carryover from Prior Years<br>FY2019-20 New Authority | 14,316,904.00<br>9,235,334.52 | \$ 4,760<br>\$ 188   | \$ 19,077<br>\$ 9,423 |
| TOTALS  | 23,552,238.52                 | \$ 4,947             | \$ 28,500             |

| CAPITAL PROGRAM BUDGET SUMMARY VCTC CASH FLOW BY FISCAL YEAR |              |          |          |          |           |
|--|--------------|----------|----------|----------|-----------|
| (000's)  |              |          |          |          |           |
| BUDGET FISCAL YEAR   | 2019/20      | 2020/21  | 2021/22  | 2022/23  | TOTAL     |
| Carryover from prior years                                   |              |          |          |          |           |
| REHABILITATION   | 7,574,734.00 | \$ 3,697 | \$ 3,045 | -        | \$ 14,317 |
| NEW CAPITAL  | 1,886,302.00 | \$ 2,874 | -        | -        | \$ 4,760  |
| SUBTOTAL   | 9,461,036.00 | \$ 6,571 | \$ 3,045 | -        | \$ 19,077 |
| FY2019-20 New Authority                                      |              |          |          |          |           |
| REHABILITATION   | 452,699.85   | \$ 3,185 | \$ 2,517 | \$ 3,080 | \$ 9,235  |
| NEW CAPITAL  | 6,213.37     | \$ 42    | \$ 78    | \$ 62    | \$ 188    |
| SUBTOTAL   | 458,913.22   | \$ 3,227 | \$ 2,595 | \$ 3,142 | \$ 9,423  |
| TOTAL PROJECTED CASH<br>FLOW BY FISCAL YEAR                  | 9,919,949.22 | \$ 9,798 | \$ 5,640 | \$ 3,142 | \$ 28,500 |

Exhibit 7.8.7 Capital Program Summary and Cash Flow Detail – OTHER FUNDING SOURCES

| CAPITAL PROGRAM                                       | REHABILITATION PROJECTS | NEW CAPITAL PROJECTS   | TOTAL                  |
|---|-------------------------|------------------------|------------------------|
| Carryover from Prior Years<br>FY2019-20 New Authority | \$ 58,016<br>-          | \$ 183,795<br>\$ 3,504 | \$ 241,811<br>\$ 3,504 |
| TOTALS  | \$ 58,016               | \$ 187,299             | \$ 245,315             |
| Numbers may not foot due to ro                        | unding.                 |                        |                        |

|   | CAPITAL PROGRAM BUDGET SUMMARY OTHER FUNDING SOURCES CASH FLOW BY FISCAL YEAR |  |                  |          |                 |  |  |
|---|---|--|------------------|----------|-----------------|--|--|
| (000's)                                     |   |  |                  |          |                 |  |  |
| BUDGET FISCAL YEAR                          | 2019/20   | 2020/21                                      | 2021/22          | 2022/23  | TOTAL           |  |  |
| Carryover from prior years                  |   |  |                  |          |                 |  |  |
| REHABILITATION                              | \$ 26,001   | \$ 22,433                                    | \$ 9,582         | -        | \$ 58,016       |  |  |
| NEW CAPITAL                                 | \$ 92,863   | \$ 36,830                                    | \$ 54,101        | -        | \$ 183,795      |  |  |
| SUBTOTAL                                    | \$ 118,865  | \$ 59,263                                    | \$ 63,683        | -        | \$ 241,811      |  |  |
| FY2019-20 New Authority                     |   |  |                  |          |                 |  |  |
| REHABILITATION                              | -   | -    <br>• 475                               | -    <br>- 0.040 | -        | т о го <i>4</i> |  |  |
| NEW CAPITAL                                 | \$ 35   | \$ 175                                       | \$ 2,243         | \$ 1,051 | \$ 3,504        |  |  |
| SUBTOTAL                                    | \$ 35   | \$ 175                                       | \$ 2,243         | \$ 1,051 | \$ 3,504        |  |  |
| TOTAL PROJECTED CASH<br>FLOW BY FISCAL YEAR | \$ 118,900  | \$ 59,438                                    | \$ 65,926        | \$ 1,051 | \$ 245,315      |  |  |
| Numbers may not foot due to rour            | nding.  | <u>.                                    </u> | <u>=</u>         | <u>=</u> | -               |  |  |

Exhibit 7.8.8 Capital Program Summary and Cash Flow Detail – GRAND TOTAL OF ALL MEMBER AGENCIES & OTHER FUNDING SOURCES

| CAPITAL PROGRAM                       | REHABILITATION | NEW CAPITAL | TOTAL              |  |  |  |
|---------------------------------------|----------------|-------------|--------------------|--|--|--|
|                                       | PROJECTS       | PROJECTS    |                    |  |  |  |
|                                       |                |             |                    |  |  |  |
| Carryover from Prior Years            | \$ 217,321     | \$ 219,798  | \$ 437,119         |  |  |  |
| FY2019-20 New Authority               | \$ 63,731      | \$ 6,544    | \$ 70,275          |  |  |  |
| TOTALS                                | \$ 281,052     | \$ 226,342  | \$ 507,39 <b>4</b> |  |  |  |
| Numbers may not foot due to rounding. |                |             |                    |  |  |  |
|                                       | J              |             |                    |  |  |  |
|                                       |                |             |                    |  |  |  |

| CAPITAL PROGRAM BUDGET SUMMARY CONSOLIDATED CASH FLOW BY FISCAL YEAR |            |            |            |           |            |  |
|--|------------|------------|------------|-----------|------------|--|
| (000's)  |            |            |            |           |            |  |
| BUDGET FISCAL YEAR   | 2019/20    | 2020/21    | 2021/22    | 2022/23   | TOTAL      |  |
| Carryover from prior years   |            |            |            |           |            |  |
| REHABILITATION   | \$ 95,047  | \$ 72,107  | \$ 50,167  | -         | \$ 217,321 |  |
| NEW CAPITAL  | \$ 108,142 | \$ 57,348  | \$ 54,308  | -         | \$ 219,798 |  |
| SUBTOTAL   | \$ 203,190 | \$ 129,455 | \$ 104,475 | -         | \$ 437,119 |  |
| FY2019-20 New Authority  |            |            |            |           |            |  |
| REHABILITATION   | \$ 3,061   | \$ 21,604  | \$ 18,711  | \$ 20,355 | \$ 63,731  |  |
| NEW CAPITAL  | \$ 143     | \$ 909     | \$ 3,432   | \$ 2,060  | \$ 6,544   |  |
| SUBTOTAL   | \$ 3,204   | \$ 22,513  | \$ 22,143  | \$ 22,415 | \$ 70,275  |  |
| TOTAL PROJECTED CASH<br>FLOW BY FISCAL YEAR                          | \$ 206,393 | \$ 151,968 | \$ 126,617 | \$ 22,415 | \$ 507,394 |  |



# SECTION 8 SCORE

# SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY

#### **FY2019-20 BUDGET**

# SECTION 8: Southern California Optimized Rail Expansion (SCORE) Budget

#### 8.1 Introduction

The Southern California Optimized Rail Expansion (SCORE) Program was developed as a path to implement service growth that would fulfill goals laid out in the 2015 10-year Strategic Plan. Plans to achieve these goals were devised in conjunction with the guidance laid out in the 2018 California State Rail Plan. Recognizing Metrolink's place in the state's vision for an integrated statewide rail system, Metrolink successfully pursued grant funding from the Transit and Intercity Rail Capital Program (TIRCP) and was awarded an amount of \$875.7 million in April 2018 from the California State Transportation Agency (CalSTA) to implement the first phase of the SCORE Program.

SCRRA continues to seek local, state or federal funds to fund additional projects on the SCORE Program.

### 8.2 Program Budget

SCORE Phase 1 comprises of 17 capital improvement projects located throughout the system. The table below outlines the budget allocated for each SCORE project, some of which are combined to be consistent with the grant categories. The amounts shown are commitments from the TIRCP. On September 14, 2018, the Authority amended the FY2018-19 Capital Program Budget to reflect the entire \$875.7 million CalSTA grant.

Budgets for SCORE are treated separately in the document. All Capital items that are referred to without the SCORE designation are part of the SCRRA annual Capital Budget.

| Line               | SCORE Projects   | TIRCP<br>Funding<br>(\$000's) |  |
|--------------------|--|-------------------------------|--|
| Ventura            | Simi Valley Double Track   | \$ 67,501                     |  |
| County Line        | Chatsworth Station   | 25,158                        |  |
|                    | Burbank Junction Speed Improvements                                    |                               |  |
|                    | Signals Burbank – LA   | 8,219                         |  |
| San                | Marengo Siding Improvements  | 9,675                         |  |
| Bernardino         | El Monte Station Improvements  | 22,158                        |  |
| Line               | Rancho Cucamonga Siding  | 46,581                        |  |
| Orange<br>County / | Improvements at Commerce Station and Fullerton Junction                | 132,043                       |  |
| IE-OC Line         | Signals in OC (Atwood-Orange)  | 1,060                         |  |
|                    | Irvine Station Improvements  | 61,387                        |  |
|                    | Signals in OC (Avery-Songs)  | 6,500                         |  |
|                    | Capacity Improvements South OC (Serra to Beach / County Line to Songs) | 18,747                        |  |
|                    | Riverside Downtown Station Improvements                                | 14,491                        |  |
|                    | Link US  | 355,521                       |  |
| Systemwide         | Orange County Maintenance Facility                                     | 58,340                        |  |
| Projects           | Various Systemwide Efforts (where budget is allocated) <sup>1</sup>    | 48,327                        |  |
|                    | SCORE Phase 1 Program Total  | \$ 875,708                    |  |

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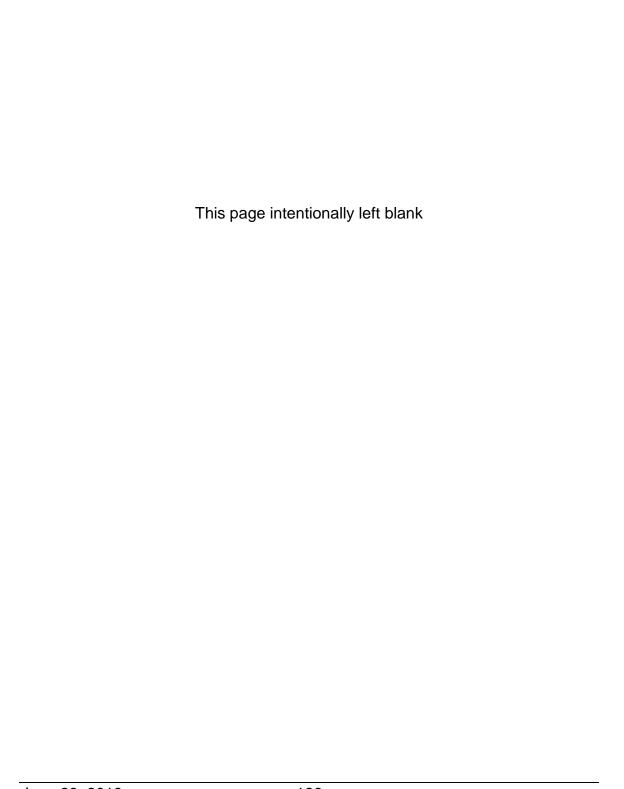
<sup>&</sup>lt;sup>1</sup> Supplemental Fleet / Environmental Clearance of additional projects on BNSF Corridor / Network Integration Studies / Double Track Sylmar Station to CP Roxford

# 8.3 Projected Expenditures

Since the award in April 2018, there has been two allocations by the California Transportation Commission (CTC). On August 16, 2018, the CTC approved an allocation of \$6.5 million to the Authority from the CalSTA grant of \$875.7 million for delivering the SCORE program. These funds support preliminary engineering, preliminary environmental assessments, operations modeling project validation, and early program management support. On October 18, 2018, the CTC approved another SCORE Program allocation in the amount of \$91.2 million. The table below shows the life of project cost projections through FY2024.

|           | *System-wide | Ventura<br>County Line | San<br>Bernardino<br>Line | Orange County /<br>IE-OC / 91-PVL<br>Lines | Total            |
|-----------|--------------|------------------------|---------------------------|--|------------------|
| FY2018-19 | \$15.1M      | \$3.0M                 | \$2.4M                    | \$8.2M                                     | \$28.7M          |
| FY2019-20 | \$64.4M      | \$12.1M                | \$9.4M                    | \$32.9M                                    | \$118.8 <b>M</b> |
| FY2020-21 | \$96.2M      | \$20.2M                | \$15.7M                   | \$46.8M                                    | \$178.9M         |
| FY2021-22 | \$128.5M     | \$30.3M                | \$23.5M                   | \$70.3M                                    | \$252.6M         |
| FY2022-23 | \$124.2M     | \$30.3M                | \$23.5M                   | \$70.3M                                    | \$248.2M         |
| FY2023-24 | \$27.8M      | \$5.0M                 | \$3.9M                    | \$11.7M                                    | \$48.5M          |
| Total     | \$456.2M     | \$100.9M               | \$78.4M                   | \$240.2M                                   | \$875.7M         |

<sup>\*</sup>System-wide Projects include LinkUS, OCMF, Fleet Rehab, and Integration Studies





#### SECTION 9

# GENERAL AND ADMINISTRATIVE BUDGET

### SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY FY2019-20 BUDGET

#### **SECTION 9: General and Administrative Budget**

#### 9.1 General and Administrative Expenses

Indirect costs are those incurred by an organization for common or joint objectives that cannot be readily or specifically identified with a particular cost grouping. SCRRA accounts for agency costs that cannot be directly attributed to any specific agency program or mode, and therefore serve to benefit the agency as a whole or benefit at least three of the Authority's business modes by grouping them in the General and Administrative (G&A) Budget. SCRRA business modes are Train Operations, Maintenance-of-Way (MOW), New Capital, Rehabilitation and 'recollectables' or Third-Party Agreements (TPA's).

For FY2019-20, the SCRRA G&A budget, using the compilation of costs as described above, is \$26.9 million or an increase of \$2.8 million, or 11.5% over the FY2018-19 Budget. \$1.2 million of this increase is the result of an increase in the Fringe Benefit elements in G&A for FY2019-20. The balance of the increase is primarily as a result of the new method of developing the Indirect Cost Allocations which were significantly changed. *Exhibit 9.1* identifies the key elements of this budget by expenditure type.

#### 9.2 Indirect Cost Allocation Plan (ICAP)

Grantors fund a significant portion of SCRRA's business modes. Indirect costs have historically been charged to projects using direct labor costs as the allocation base. The business mode specific allocation percentages are called indirect cost rates. SCRRA has submitted and received approval for its Indirect Cost Allocation Plans for FY2011-12, FY2012-13, FY2013-14 and FY2014-15. The final rates from FY2014-15 have been approved by the Federal Transit Administration (FTA) for use in FY2015-16 through FY2018-19. The ICAP plan for FY2019-20 based on FY2017-18 actual costs has been submitted to the FTA for review and approval.

The FY2019-20 Plan contains indirect cost rates for each business mode, as indicated on *Exhibit 9.2*. SCRRA further divides costs within G&A expenses into three distinct cost collector pools.

#### 9.2.1 Pool One

The first grouping of expenses consists of specified costs, as identified in Office of Management and Budget Circular A-87 (OMB A-87), which are authorized for allocation to federal grant funding sources. Items in the G&A Budget include: lease costs of the Authority's administrative headquarters; general administrative items such as office supplies, postage and the lease of office equipment; labor costs of non-project, non-operational staff such as Human Resources, Budget and Financial Analysis, and General Accounting; certain financial services; the Internal Audit function; and the costs of operating and maintaining the Information Technology infrastructure.

#### 9.2.2 Pool Two

The second grouping of expenses is made up of costs that, while benefiting three or more of the Authority's business modes, are specifically excluded from allocation by federal regulation and therefore funded by member agencies instead. Examples of costs recognized within this group include the costs of the Chief Executive Officer and legislative advocacy.

#### 9.2.3 Pool Three

The third grouping of expenses represents project category overhead costs associated with specific business modes that cannot be readily allocated to specific direct projects. Examples would be costs associated with Program Management staff who could be supporting 200 or more projects.

#### 9.3 Allocation of Indirect Costs

A double-step down allocation methodology is used to allocate the allowable costs of the central services departments to benefiting cost centers using various metrics (labor dollars, headcount, number of transactions, amount of leased space, etc.) as the allocation base. This methodology recognizes the cross support provided between central service departments. The allocation steps are:

- Allowable costs from central service departments are allocated to all departments and divisions including other central service departments. All operating costs recorded in the central service departments as well as all allocated costs received from other central service departments up to this point in the calculation cycle are allocated in the first step.
- Once allocated to receiving cost centers, the expenses are allocated to the project overhead pools as a function of actual labor charged to project category by each receiving cost center.

- The G&A expenses added to the general project category overhead costs are then allocated to specific projects in proportion to the actual direct labor costs within each project category.
- 4. For the remaining G&A expenses ineligible for federal reimbursement, allocation is made to the operating budget.

#### 9.4 Organizational Summary

Under the leadership of the Chief Executive Officer; Chief of Staff; Chief Financial Officer; Chief Human Resources; Chief Marketing & Communications Officer; Chief Operating Officer; Chief Program Delivery; Chief Safety, Security & Compliance Officer; Chief Strategy Officer, SCRRA manages 280 full-time equivalent (FTE) headcounts.

#### AGENCY FTE HEADCOUNT FY2019-20

| REPORTING GROUP               | FTE's |
|-------------------------------|-------|
| Office of the CEO             | 31    |
| Finance                       | 41    |
| Human Resources               | 13    |
| Internal Audit                | 4     |
| Legal                         | 4     |
| Marketing & Communications    | 22    |
| Operations Office             | 90    |
| Program Delivery              | 28    |
| Safety, Security & Compliance | 14    |
| Strategy                      | 33    |
| Total                         | 280   |

**Office of the CEO** includes the Office of the CEO, Fare Collection Services, Customer Relations, and Customer Experience.

**Legal group** includes the General Counsel who is a direct report to the SCRRA Board and oversees the activities of in-house and outside counsel, litigation, and Risk Management.

*Internal Audit group* reports directly to the SCRRA Board and includes a team of internal auditors.

**Human Resources** includes Office of the Chief, Human Resources, Human Resources, and Administrative Services.

**Finance** includes Office of the Chief Financial Officer, Finance, Information Technology and Grants Funding & Reporting.

**Safety, Security & Compliance** includes Office of the Chief, System Safety, Security & Compliance Officer, System Safety, and Compliance.

**Marketing & Communications** includes Office of the Chief, Marketing & Communications Officer, Sales & Marketing, Public Affairs, and Digital Communications.

**Strategic Planning** includes Office of the Chief, Strategy Officer, Government & Community Relations, Planning & Development, Purchasing, Contracts & Contracts Compliance and Materials Management & Warehousing.

**Program Delivery** includes Office of the Chief, Program Delivery, Public Projects, Capital Construction & Rehabilitation, Program Management, Engineering & Construction, Business Operations, and Standards & Design.

**Operations group** includes the Office of the Chief Operating Officer, Operations Administration, Positive Train Control (PTC), Dispatching, Facilities & Fleet Maintenance, the execution of rehabilitation and new capital projects, management of outsourced vendors for Train Operations, equipment maintenance, track, signal & structure maintenance and rehabilitation, Maintenance-of-Way, and rail corridor crossings and encroachment.

Exhibit 8.3 identifies the classification titles in the approved budgeted cost centers for a total of 280 FTE headcount. Total Authority labor and fringe costs are allocated across the business modes.

#### 9.5 Exhibits

**Exhibit 9.1:** FY2019-20 G&A Expenses identifies the individual cost components included in the general and administrative cost grouping.

**Exhibit 9.2:** FY2019-20 ICAP Cost Calculations illustrates the SCRRA business modes and the cost allocations that support the FY2019-20 ICAP rates.

**Exhibit 9.3:** FY2019-20 Roster of Positions provides a roster of FY2019-20 FTE headcount identified by specific positions within each Executive Office and Department.

Exhibit 9.1 FY2019-20 G&A Expenses

| (000's)                                       |           |           | YEAR 2019- | FY2019-20 BUDGET VS. |                  |             |  |
|---|-----------|-----------|------------|----------------------|------------------|-------------|--|
|   | FY2018-19 | FEDERALLY | LOCAL      | TOTAL                | FY2018-19 BUDGET |             |  |
| EXPENDITURE DESCRIPTION                       | BUDGET    | ELIGIBLE  | FUNDING    | BUDGET               | VARIANCE         | %           |  |
| Agency Costs                                  |           |           |            |                      |                  |             |  |
| Auditing and Accounting                       |           |           | -          | -                    | -                | N           |  |
| Consultants                                   | 65        |           | -          |                      | (65)             | (100.0%     |  |
| Recruitment Services                          | 175       | 175       | -          | 175                  | -                |             |  |
| Medical Examinations                          | 4         | 5         | -          | 5                    | 1                | 21.49       |  |
| Computer Programming/Data Processing          | 135       |           | -          |                      | (135)            | (100.0%     |  |
| Office Equip Maint & Repair                   | 3         | 3         | -          | 3                    | -                |             |  |
| Document Management & Storage                 | 55        | 57        | -          | 57                   | 2                | 3.09        |  |
| In-House Training Services                    | 330       | 273       | -          | 273                  | (57)             | (17.39      |  |
| Bank Service Charges                          | 30        | 30        | -          | 30                   | -                |             |  |
| Vehicle Maintenance & Repairs                 |           | 140       | -          | 140                  | 140              | N           |  |
| Gasoline Autos & Trucks                       |           | 97        | -          | 97                   | 97               | N           |  |
| Materials & Supplies                          | 130       | 133       | 1          | 134                  | 4                | 3.49        |  |
| Office Equipment                              | 10        | 10        | -          | 10                   |                  |             |  |
| Computer Software                             | 1         | 16        | -          | 16                   | 15               | 1,460.09    |  |
| Printing & Reproduction                       | 13        | 9         | 3          | 12                   | (1)              | (7.9        |  |
| Claims Administration Fees                    | 3         | 13        |            | 13                   | 10               | 333.3       |  |
| Professional Memberships                      | 99        | 175       | 50         | 224                  | 126              | 127.1       |  |
| Subscriptions & Reference Materials           | 12        | 16        | 1          | 17                   | 5                | 45.8        |  |
| Meeting Expenses                              | 29        | 23        | 7          | 30                   | 1                | 4.5         |  |
| Registration Fees                             | 39        | 15        | 25         | 40                   | 1                | 1.7         |  |
| Transportation                                | 76        | 25        | 55         | 80                   | 4                | 5.4         |  |
| Meals & Entertainment                         | 18        | 8         | 8          | 16                   | (1)              | (7.7        |  |
| Lodging                                       | 78        | 20        | 57         | 77                   | (2)              | (2.3        |  |
| Mileage/Parking                               | 59        | 56        | 4          | 60                   | 1                | 1.5         |  |
| Misc Expenses                                 | 3         | 4         | -          | 4                    | 0                | 8.8         |  |
| Event Marketing                               | 5         | -         | 5          | 5                    | -                |             |  |
| Legal & Meeting Notices                       | 85        | 47        | 13         | 60                   | (25)             | (29.4       |  |
| Postage & Messenger                           | 74        | 72        | -          | 72                   | (1)              | (2.0        |  |
| Other Misc Expense                            | 60        | 12        | 8          | 20                   | (40)             | (66.8       |  |
| Total Agency Costs                            | 1,590     | 1,434     | 235        | 1,668                | 78               | 4.9         |  |
| Staff Labor                                   |           |           |            |                      |                  |             |  |
| SCRRA Wages & Salaries                        | 9,166     | 8,318     | 928        | 9,246                | 80               | 0.9         |  |
| Wages Interns                                 | 250       | 250       | -          | 250                  | -                | 0.0         |  |
| Wages Job Core / Grads on Track               | 250       | 250       | -          | 250                  | -                | 0.0         |  |
| Merit Increase                                |           | 250       | 28         | 277                  | 277              | N           |  |
| Allocated Fringe Benefits                     | 3,244     | 2,742     | 306        | 3,048                | (196)            | (6.19       |  |
| OPEB - GASB45                                 | 1,625     | -         | 2,882      | 2,882                | 1,257            | 77.4        |  |
| Total Staff Labor                             | 14,536    | 11,809    | 4,144      | 15,954               | 1,418            | 9.8         |  |
| Professional Services                         |           |           | _          |                      |                  |             |  |
| Legal Services                                | 000       | 007       | -          | - 007                | - 27             | 4.5         |  |
| Auditing & Accounting                         | 830       | 867       |            | 867                  | 37               | 4.5         |  |
| Consultants                                   | 1,678     | 1,626     | 101        | 1,726                | 48               | 2.9         |  |
| Lobby Services                                | 480       | -         | 480        | 480                  | -                | 0.0         |  |
| Service Contract                              | 3         | 4         |            | 4                    | 0                | 2.9         |  |
| Total Professional Services                   | 2,991     | 2,496     | 581        | 3,077                | 86               | 2.9         |  |
| MIS   |           |           |            |                      |                  |             |  |
| Consultants                                   | 1,598     | 1,598     | -          | 1,598                |                  | 0.0         |  |
| Computer S/W / H/W Maintenance                | 625       | 760       | -          | 760                  | 135              | 21.6        |  |
| Office Equip Maint & Repair                   | 138       | 138       | -          | 138                  | -                | 0.0         |  |
| Document Management & Storage                 | 50        | 50        | -          | 50                   | -                | 0.0         |  |
| Materials & Supplies                          | 62        | 62        | -          | 62                   | -                | 0.0         |  |
| Office Equipment                              | 75        | 75        | -          | 75                   | -                | 0.0         |  |
| Computer H/W                                  | 515       | 793       | -          | 793                  | 278              | 54.0        |  |
| Computer S/W                                  | 546       | 766       | -          | 766                  | 220              | 40.3        |  |
| License & Registration Fees                   | 1         |           | -          |                      | (1)              | (100.0      |  |
| Total MIS                                     | 3,609     | 4,241     | -          | 4,241                | 632              | 17.5        |  |
| Employee Recognition                          |           |           |            |                      |                  | _           |  |
| Bonus Pay                                     | 150       | -         | 160        | 160                  | 10               | 6.7         |  |
| Total Employee Recognition                    | 150       | -         | 160        | 160                  | 10               | 6.7         |  |
| Utilities/Leases                              |           |           |            |                      |                  | 4 6 := =    |  |
| Office Space Rental                           | 46        | 654       | -          | 654                  | 608              | 1,317.7     |  |
| WG Lease Operating Expense                    | 784       | 884       | -          | 884                  | 100              | 12.8        |  |
| Total Utilities/Leases                        | 830       | 1,598     | 0          | 1,598                | 768              | 92.5        |  |
| Agency Vehicles                               |           |           |            |                      |                  |             |  |
| GASOLINE AUTOS & TRUCKS                       | 97        |           | -          |                      | (97)             | (100.0%     |  |
| VEHICLE MAINTENANCE & REPAIRS                 | 138       |           | -          |                      | (138)            | (100.0%     |  |
| Total Agency Vehicles                         | 234       |           | -          |                      | (234)            | (100.0%     |  |
| Board Related Items                           |           |           |            |                      |                  |             |  |
|   | 16        | -         | 16         | 16                   | 0                | 2.6         |  |
| Board Travel/Meeting Expenses                 |           |           | 22         | 22                   | 6                | 40.5        |  |
| Board Travel/Meeting Expenses<br>Board Travel | 15        | _         |            |                      |                  |             |  |
|   | 15<br>70  | -         | 70         | 70                   | -                | 0.0         |  |
| Board Travel                                  |           | -         | 70<br>49   | 70<br>49             | -<br>(5)         | 0.0<br>(9.3 |  |
| Board Travel<br>Board Per Diem                | 70        | -         |            |                      | (5)<br><b>2</b>  |             |  |

Numbers may not foot due to rounding.

#### Exhibit 9.2 FY2019-20 ICAP Cost Calculations

 General & Administrative Expenses (000's)
 FY2019-20

 Federally Eligible G&A
 21,578

 Non-Federal Eligible G&A
 5,276

 Total G&A Expenses
 26,854

| Tier 1 Cost Distribution  | Operating           |       |                       | Capital        |                          |                             |                     |               |                |
|---|---------------------|-------|-----------------------|----------------|--------------------------|-----------------------------|---------------------|---------------|----------------|
|   | Train<br>Operations | MOW   | Subtotal<br>Operating | New<br>Capital | Equipment<br>Procurement | Rehabilitation & Renovation | Subtotal<br>Capital | Recollectable | Grand<br>Total |
| SCRRA Labor Distribution (%)  | 71.0%               | 18.0% | 89.0%                 | 1.0%           | 2.0%                     | 5.0%                        | 8.0%                | 3.0%          | 100.0%         |
| Federally Eligible G&A Allocation<br>(Proj# 000000)                             | 15,320              | 3,884 | 19,205                | 216            | 432                      | 1,079                       | 1,726               | 647           | 21,578         |
| Non-Federal Eligible Labor Distribution (%) Non-Federal Eligible G&A Allocation | 100.0%              | 0.0%  | 100.0%                |                |                          |                             |                     |               | 100.0%         |
| (Proj# 000002)  | 5,276               | -     | 5,276                 |                |                          |                             |                     |               | 5,276          |
| Total G&A Expense Allocation  | 20,596              | 3,884 | 24,480                | 216            | 432                      | 1,079                       | 1,726               | 647           | 26,854         |

Numbers may not foot due to rounding.

| Total Indirect and Allocable             | 337%    | 146%   | 293%    | 229%   | 878%   | 607%   | 577%    | 551%   | 335%    |
|--|---------|--------|---------|--------|--------|--------|---------|--------|---------|
| Grand Total                              | 197,859 | 46,908 | 244,767 | 16,343 | 91,942 | 98,108 | 206,393 | 20,000 | 471,160 |
| Total Direct Expenses                    | 162,283 | 42,328 | 204,611 | 15,368 | 88,538 | 91,678 | 195,584 | 16,982 | 417,177 |
| Other Expenses                           | 145,929 | 37,457 | 183,386 | 14,805 | 88,026 | 90,279 | 193,110 | 16,259 | 392,75  |
| Fringe Benefits                          | 5,798   | 1,736  | 7,534   | 137    | 124    | 339    | 600     | 176    | 8,30    |
| Salaries & Wages                         | 10,555  | 3,135  | 13,691  | 426    | 388    | 1,060  | 1,873   | 548    | 16,11   |
| Direct Expenses                          |         |        |         |        |        |        |         |        |         |
| Total Indirect and Allocable Expenses    | 35,576  | 4,580  | 40,156  | 976    | 3,404  | 6,430  | 10,810  | 3,018  | 53,98   |
| G&A Expense Allocation                   | 20,596  | 3,884  | 24,480  | 216    | 432    | 1,079  | 1,726   | 647    | 26,85   |
| Subtotal - Indirect Expenses             | 14,980  | 696    | 15,676  | 760    | 2,973  | 5,351  | 9,083   | 2,370  | 27,12   |
| Other Expenses                           | 11,575  | 107    | 11,682  | 502    | 2,822  | 4,754  | 8,078   | 2,081  | 21,84   |
| Fringe Benefits                          | 1,209   | 210    | 1,418   | 63     | 37     | 145    | 244     | 70     | 1,73    |
| Collector Pool Expenses Salaries & Wages | 2,196   | 379    | 2,575   | 195    | 114    | 452    | 762     | 219    | 3,55    |

Total Indirect and Allocable Expenses as % of Direct Labor Numbers may not foot due to rounding.

#### Exhibit 9.3 FY2019-20 Roster of Positions

| <b>BUSINESS UNIT</b> | COST   | COST CENTER DESCRIPTION             | POSITION TITLE   | TOTAL |
|----------------------|--------|-------------------------------------|--|-------|
|                      | CENTER |                                     |  |       |
| Office of the CEO    | 3300 ( | Customer Relations                  | Communications Coordinator                                 |       |
|                      |        |                                     | Customer Relations Manager                                 |       |
|                      |        |                                     | Customer Relations Representative I                        |       |
|                      |        |                                     | Customer Relations Representative II                       |       |
|                      |        |                                     | Senior Customer Relations Representative                   |       |
|                      |        |                                     | Senior Manager, Customer Relations                         |       |
|                      | _      |                                     | Supervisor, Customer Relations                             |       |
|                      | _      | Customer Relations Total            |  | 27    |
|                      | 3600   | Fare Collection Services            | Fare Collections Manager                                   | ;     |
|                      |        |                                     | Management Analyst I                                       |       |
|                      | _      |                                     | Senior Manager, Fare Collections                           |       |
|                      | _      | Fare Collection Services Total      |  |       |
|                      | 1100   | Office of the CEO                   | Assistant Board Secretary                                  |       |
|                      |        |                                     | Board Secretary/Chief, Board Relations                     | :     |
|                      |        |                                     | Chief Executive Officer                                    | :     |
|                      |        |                                     | Chief of Staff   | *     |
|                      |        |                                     | Executive Assistant II                                     | *     |
|                      | _      |                                     | Executive Assistant II                                     | *     |
|                      | (      | Office of the CEO Total             |  | 3     |
|                      | 3050   | Customer Experience                 | Director, Customer Experience                              | 1     |
|                      | (      | Customer Experience Total           |  | 1     |
| Legal                | 1115   | Office of the General Counsel       | Associate General Counsel                                  | 1     |
|                      |        |                                     | Business Analyst   | :     |
|                      |        |                                     | General Counsel  | :     |
|                      | (      | Office of the General Counsel Total |  |       |
|                      | _      | Risk Management                     | Senior Counsel, Risk Manager                               |       |
|                      | -      | Risk Management Total               |  | 1     |
| Internal Audit       | -      | Internal Audit                      | Auditor II   |       |
|                      |        |                                     | Senior Auditor   |       |
|                      |        |                                     | Senior Manager, Audit                                      |       |
|                      | ī      | Internal Audit Total                | Series managery/ wait                                      |       |
| Human Resources      | -      | Human Resources                     | Human Resources Analyst I                                  | 4     |
| numan nesources      | 1130   | Haman Resources                     | Human Resources Analyst II                                 |       |
|                      |        |                                     | •  |       |
|                      |        |                                     | Human Resources Specialist                                 |       |
|                      |        |                                     | Manager II   | :     |
|                      |        |                                     | Senior Human Resources Analyst                             | 1     |
|                      |        |                                     | Senior Manager, Human Resources                            | 1     |
|                      |        |                                     | Manager I, Human Resources                                 |       |
|                      | _      | Human Resources Total               |  | 10    |
|                      |        | Administrative Services             | Senior Administrative Assistant                            |       |
|                      | _      | Administrative Services Total       |  |       |
|                      | -      | Office of the CHR                   | Chief, Human Resources                                     |       |
|                      | (      | Office of the CHR Total             |  |       |
| Finance              | 4100   | Finance                             | Accountant I   | į     |
|                      |        |                                     | Accountant II  | -     |
|                      |        |                                     | Accounts Payable Specialist I                              |       |
|                      |        |                                     | Budget Analyst I   | :     |
|                      |        |                                     | Budget Analyst II  | :     |
|                      |        |                                     | Business Analyst II  | :     |
|                      |        |                                     | Capital Budget Analyst                                     |       |
|                      |        |                                     | Finance Analyst I  |       |
|                      |        |                                     | Finance Specialist II                                      | ;     |
|                      |        |                                     | Financial Analyst II                                       |       |
|                      |        |                                     | Senior Accountant  |       |
|                      |        |                                     | Senior Manager, Finance                                    |       |
|                      |        |                                     | Senior Manager, Finance Senior Manager, General Accounting |       |
|                      |        |                                     | Manager II, Finance  | 1     |
|                      |        |                                     |  | -     |

<sup>\*</sup> The position will use an approved vacant position and will not add or create an additional position beyond the total number of authorized budgeted positions.

Exhibit 9.3 FY2019-20 Roster of Positions (continued)

| BUSINESS UNIT              | COST<br>CENTER  | COST CENTER DESCRIPTION   | POSITION TITLE   | TOTAL |
|----------------------------|-----------------|---|--|-------|
|                            | <b>4230</b> In  | formation Technology  | IT Architect II, Business Intelligence                             |       |
|                            |                 |   | IT Architect II, ERP   |       |
|                            |                 |   | IT Systems Manager   |       |
|                            |                 |   | Manager, Information Technology                                    |       |
|                            |                 |   | Network Engineer I   |       |
|                            |                 |   | Senior Director, Information Technology                            |       |
|                            |                 |   | Senior Manager, Information Technology                             |       |
|                            |                 |   | Senior Network Engineer  |       |
|                            |                 |   | Web Services Manager   |       |
|                            | In              | formation Technology Total  | vves services manager  | 1     |
|                            |                 | ffice of the CFO  | Chief Financial Officer  |       |
|                            | _               | ffice of the CFO Total  |  |       |
|                            |                 | rants Funding & Reporting   | Assistant Director, Grants   |       |
|                            |                 | and a many of the part of the | Grants Funding & Reporting Administrator                           |       |
|                            |                 |   | Planning Manager II  |       |
|                            | Gı              | rants Funding & Reporting Total   |  |       |
| Safety, Security &         |                 |   |  |       |
| Compliance                 | <b>2250</b> Cd  | ompliance   | Coordinator, Operations Compliance                                 |       |
|                            |                 |   | Operations Compliance Officer                                      |       |
|                            |                 |   | Operations Compliance Officer I                                    |       |
|                            |                 |   | Operations Compliance Officer II                                   |       |
|                            | _               |   | Senior Manager - Various   |       |
|                            | Co              | ompliance Total   |  | !     |
|                            | <b>2210</b> Sy  | ystem Safety  | Business Operations Administrator                                  |       |
|                            |                 |   | Management Analyst I   | *     |
|                            |                 |   | Senior Manager (Various – System Safety)                           | *     |
|                            |                 |   | Public Safety + Environment Manager                                |       |
|                            |                 |   | Security Manager   |       |
|                            | Sy              | ystem Safety Total  |  |       |
|                            | <b>1505</b> Of  | ffice of the CSSC   | Director, System Safety & Security (Interim Chief, SSG             | C)    |
|                            |                 |   | Chief, System Safety, Security & Compliance Officer                |       |
|                            | Of              | ffice of the CSSC Total   |  |       |
| Marketing & Communications | <b>3200</b> Sa  | ales & Marketing  | Administrative Assistant II  |       |
|                            |                 |   | Coordinator, Marketing   |       |
|                            |                 |   | Marketing Manager II   |       |
|                            |                 |   | Senior Administrative Assistant                                    |       |
|                            |                 |   | Senior Manager, Marketing & Digital                                |       |
|                            |                 |   | Social Media Specialist  |       |
|                            |                 |   | Manager I, Corporate Partner Program                               |       |
|                            |                 |   | Senior Marketing Analyst   |       |
|                            | C-              | ales & Marketing Total  | Seriior iviarketing Analyst  |       |
|                            |                 | ublic Affairs   | Managarii  |       |
|                            | 3430 FC         | ADIIC ATTAITS   | Manager II<br>Public Affairs Manager                               |       |
|                            |                 |   | Public Affairs Specialist  |       |
|                            | Di              | ublic Affairs Total   | rubiic Arrairs Specialist  |       |
|                            |                 | igital Communications   | Communications Coordinator   |       |
|                            | 3 <b>703</b> DI | .g.ca. communications   | Manager II   |       |
|                            |                 |   | Supervisor, Customer Relations                                     |       |
|                            | Di              | igital Communications Total   | Supervisor, customer netations                                     |       |
|                            |                 | ffice of the CMCO   | Planning Manager II  |       |
|                            |                 |   | Interim Chief, Marketing & Communications                          |       |
|                            |                 |   | =  |       |
|                            |                 |   |  |       |
|                            |                 |   | Chief, Marketing & Communications Officer Executive Assistant II * |       |

<sup>\*</sup> The position will use an approved vacant position and will not add or create an additional position beyond the total number of authorized budgeted positions.

#### Exhibit 9.3 FY2019-20 Roster of Positions (continued)

| BUSINESS UNIT      | COST<br>CENTER | COST CENTER DESCRIPTION                           | POSITION TITLE                                       | TOTAL |
|--------------------|----------------|---|--|-------|
| Strategic Planning | 1105           | Government & Community Relations                  | Government Relations Manager                         | 1     |
|                    |                |   | Public Affairs Manager                               | :     |
|                    |                |   | Director, Government Relations                       | 1     |
|                    |                |   | Senior Manager Government & Regulatory Affairs*      |       |
|                    |                | Government & Community Relations Total            |  | 3     |
|                    | 1520           | Office of the CSO                                 | Chief, Strategy Officer                              | 1     |
|                    |                |   | Executive Assistant                                  | 1     |
|                    |                |   | Management Analyst II                                | 1     |
|                    |                |   | Project Engineer II                                  | 1     |
|                    |                | Office of the CSO Total                           |  | 4     |
|                    | 1550           | Planning & Development                            | Director, Planning & Development                     | 1     |
|                    |                |   | Planning Manager II                                  | 2     |
|                    |                | Planning & Development Total                      |  | 3     |
|                    | 4220           | Purchasing, Contracts & Contract Compliance       | Contract & Compliance Administrator                  | 5     |
|                    |                |   | Contract Specialist                                  | 1     |
|                    |                |   | Director, Contracts, Procurement and Materials       | 1     |
|                    |                |   | Management   | _     |
|                    |                |   | Principal Contract & Compliance Administrator        | 3     |
|                    |                |   | Senior Administrative Assistant                      | 1     |
|                    |                |   | Senior Contract & Compliance Administrator           | 2     |
|                    |                | Purchasing, Contracts & Contract Compliance Total |  | 13    |
|                    | 4223           | Materials Management & Warehousing                | Inventory Control Operator II                        | 2     |
|                    |                |   | Manager II   | 1     |
|                    |                |   | Material Handler/Operator                            | 4     |
|                    |                |   | Senior Inventory Control Operator                    | 1     |
|                    |                |   | Supervisor, Inventory Control                        | 2     |
|                    |                | Materials Management & Warehousing Total          |  | 10    |
| Program Delivery   | 1510           | Office of the CPD                                 | Executive Assistant I                                | 1     |
| .,                 |                |   | Manager II, Transit Asset Management                 | 1     |
|                    |                |   | Senior Manager, Business Operations                  | 1     |
|                    |                |   | Director, Engineering & Construction (Interim Chief, |       |
|                    |                |   | PD)  | 1     |
|                    |                |   | Chief, Program & Delivery                            | 1     |
|                    |                | Office of the CPD Total                           | , ,  | 5     |
|                    | 2880           | Public Projects                                   | Principal Engineer (Project Management)              | 1     |
|                    |                |   | Railroad Civil Engineer II                           | 5     |
|                    |                |   | Senior Railroad Civil Engineer                       | 1     |
|                    |                | Public Projects Total                             |  | 7     |
|                    | 2890           | Capital Construction & Rehabilitation             | Principal Engineer (Structures & Stations)           | 1     |
|                    | 2030           | capital construction & Renabilitation             | Railroad Civil Engineer I                            | 1     |
|                    |                | Capital Construction & Rehabilitation Total       | Namoud Civil Engineer i                              | 2     |
|                    | 4530           | Program Management                                | Assistant Director, Program Management Office        | 1     |
|                    | 4330           | 1 Togram Wanagement                               | Program Management Analyst I                         | 1     |
|                    |                |   |  | 2     |
|                    |                | Program Management Total                          | Program Management Analyst II                        |       |
|                    | 2000           | Program Management Total                          | Dringing Engineer                                    | 4     |
|                    | 2800           | Engineering & Construction                        | Principal Engineer                                   | 1     |
|                    | 201-           | Engineering & Construction Total                  | Durings Administrators                               | 1     |
|                    | 2815           | Business Operations                               | Business Administrator                               | 3     |
|                    |                |   | Business Analyst II                                  | 3     |
|                    |                | Business Operations Total                         |  | 6     |

<sup>\*</sup> The position will use an approved vacant position and will not add or create an additional position beyond the total number of authorized budgeted positions.

#### Exhibit 9.3 FY2019-20 Roster of Positions (continued)

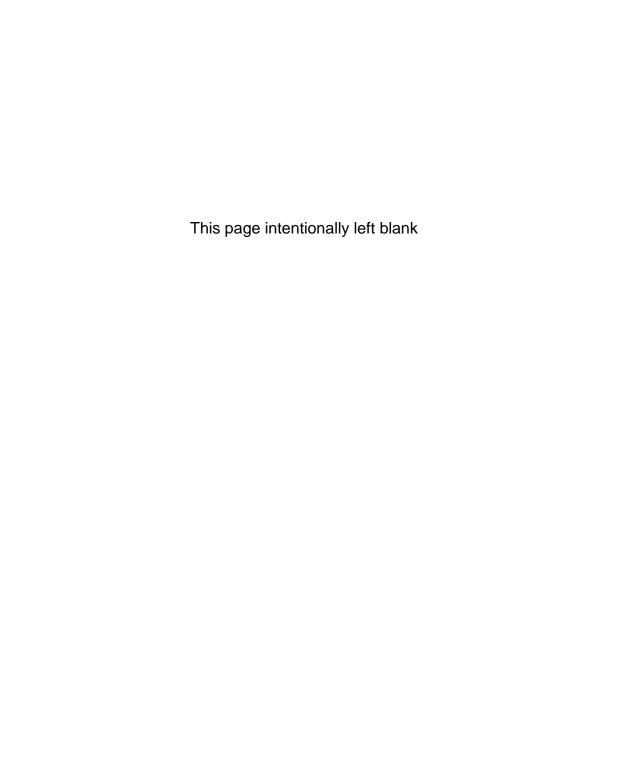
| BUSINESS UNIT | COST<br>CENTER | COST CENTER DESCRIPTION              | POSITION TITLE   | TOTAL |
|---------------|----------------|--------------------------------------|--|-------|
|               | 2860           | Standards & Design                   | Coordinator, Right-Of-Way  |       |
|               |                |                                      | Railroad Civil Engineer II   |       |
|               |                |                                      | Senior Civil Design Specialist   |       |
|               |                | Standards & Design Total             |  |       |
| perations     | 2175           | Office of the COO                    | Chief Operating Officer (Interim COO)  |       |
|               |                |                                      | Department Assistant   |       |
|               |                |                                      | Deputy Chief Operating Officer (Disp+OS)   |       |
|               |                |                                      | Executive Assistant II   |       |
|               |                |                                      | Deputy Chief Operating Officer (PTC & ENGNR)   |       |
|               |                | Office of the COO Total              | (Interim COO)  |       |
|               | 2200           | Office of the COO Total              | Assistant Dir Maintanansa of Equipment   |       |
|               | 2300           | Equipment                            | Assistant Dir, Maintenance of Equipment  |       |
|               |                |                                      | Department Assistant   |       |
|               |                |                                      | Director, Maintenance of Equipment Program Manager (Fleet)   |       |
|               |                |                                      | Project Engineer II  |       |
|               |                |                                      | Rolling Stock Engineering Manager II   |       |
|               |                |                                      | Senior Manager - Various   |       |
|               |                |                                      | Senior Mechanical Operations Officer   |       |
|               |                | Equipment Total                      | Senior Meenanear Operations Officer  |       |
|               | 2876           | PTC Communications Systems           | Director, Signals & Communications   |       |
|               | 2070           | The communications systems           | Manager II, Railroad Operations  |       |
|               |                |                                      | PTC Equipment Engineer I   |       |
|               |                |                                      | PTC Equipment Engineer II  |       |
|               |                |                                      | Senior Manager, Communications Systems   |       |
|               |                |                                      | Senior Railroad Systems Engineer   |       |
|               |                |                                      | Sr Manager, Train Control On-Board Systems   |       |
|               |                |                                      | Supervisor, Communications Systems   |       |
|               |                | PTC Communications Systems Total     | ,  | 1     |
|               | 2870           | C&S Train Control Maintenance        | Assistant Director, Signal Systems   |       |
|               |                |                                      | Planning Manager   |       |
|               |                |                                      | Supervisor, Signal Systems   |       |
|               |                | C&S Train Control Maintenance Total  |  |       |
|               | 2215           | Dispatching Services                 | Director, Dispatching Operations   |       |
|               |                |                                      | Senior Manager, Dispatching  |       |
|               |                |                                      | Supervisor, Dispatching Operations   |       |
|               |                |                                      | Train Dispatcher   | 2     |
|               |                | Dispatching Services Total           |  | 3     |
|               | 2877           | PTC Technical Support Services       | Assistant Director, PTC Technical Services   |       |
|               |                |                                      | Configuration Management Manager   |       |
|               |                |                                      | Senior Manager, Train Control Systems  |       |
|               |                |                                      | Senior Train Control Systems Engineer  |       |
|               |                |                                      | Train Control System Engineer I  |       |
|               |                | PTC Technical Support Services Total |  |       |
|               | 2310           | Facilities & Fleet Maintenance       | Coordinator, Facilities Maintenance  |       |
|               |                |                                      | Coordinator, Fleet Maintenance   |       |
|               |                |                                      | Customer Experience Administrator  |       |
|               |                |                                      | Maintenance Technician   |       |
|               |                |                                      | Maintenance Technician II  |       |
|               |                |                                      | Senior Maintenance Technician  |       |
|               |                |                                      | Carrier Manager Manieur  |       |
|               |                |                                      | Senior Manager - Various   |       |
|               |                |                                      | Senior Manager - various  Sr Manager, Facilities & Fleet Maintenance  Supervisor, Facilities Maintenance |       |

<sup>\*</sup> The position will use an approved vacant position and will not add or create an additional position beyond the total number of authorized budgeted positions.

Exhibit 9.3 FY2019-20 Roster of Positions (continued)

| BUSINESS UNIT | COST<br>CENTER | COST CENTER DESCRIPTION              | POSITION TITLE                         | TOTAL |
|---------------|----------------|--------------------------------------|--|-------|
|               | 2820           | Track                                | Assistant Director, T+S Rehabilitation | 1     |
|               |                |                                      | Coordinator, Right-Of-Way              | 1     |
|               |                |                                      | District T & S Maintenance Supervisor  | 1     |
|               |                |                                      | Senior Engineer, Track & Structures    | 1     |
|               |                | Track Total                          |  | 4     |
|               | 2200           | Operations Administration            | Business Administrator                 | 1     |
|               |                |                                      | Operations Administrator               | 1     |
|               |                | Operations Administration Total      |  | 2     |
|               | 2875           | PTC, C&S Systems Management          | Director, Train Control Systems        | 1     |
|               |                |                                      | Executive Assistant I                  | 1     |
|               |                | PTC, C&S Systems Management Total    |  | 2     |
|               | 2878           | PTC Network Control Operations       | Senior Manager, Train Control Systems  | 1     |
|               |                |                                      | Senior Train Control Systems Engineer  | 3     |
|               |                |                                      | Train Control Network Engineer         | 1     |
|               |                | PTC Network Control Operations Total |  | 5     |
|               |                | Agency Total                         |  | 280   |

<sup>\*</sup> The position will use an approved vacant position and will not add or create an additional position beyond the total number of authorized budgeted positions.





SECTION 10

## BUDGET FORECASTS

FY2020-2021 through FY2023-2024

#### **CALIFORNIA REGIONAL RAIL AUTHORITY**

#### **FY2019-20 BUDGET**

#### SECTION 10: Budget Forecasts FY2020-21 through FY2023-24

#### 10.1 Background

At the request of the SCRRA Board, and in conjunction with the ongoing development of the strategic plan, SCRAA has created a four year forward budget forecast for the fiscal years 2021, 2022, 2023 and 2024. It is to be noted that the forecast years are provided to request approval and programming individual single year operating budgets and life of project capital budgets will be adopted prior to each fiscal year. The information provided below is as specified in the Multi-Year Budget Development Guides.

#### 10.2 Basis for Forecast

- Estimates of expenses were constructed by using FY2019-20 as a base, then indexing that base to include contractual amounts where available, estimates on known activities planned for the future, and minor escalations of repetitive items based on the historic inflation that individual category of operational expense.
- No headcount increase was included. A 2% Cost of Living Adjustment (COLA) and Merit pool of 3% was included in each year.
- The new service included in the forecast were those proposed as of the FY2019-20 Budget process. This consists of the following:
  - ➤ Req#2008 91/Perris Valley Line Add 1 peak-period, peak direction round trip (1 new South Perris <>LA round trip) beginning October 2021

#### 10.3 Capital Program Forecast

- Estimates were constructed using the development of Metrolink Rehabilitation Plan (MRP) when submitting the FY2019-20 Budget amounts. These estimates included the Backlog and State of Good Repair (SOGR) needs.
- MRP recommends that the Backlog be drawn down over six years.

#### 10.4 Exhibits

Exhibit 10.1: FY2020-21 through FY2023-24 Forecast New Service Requests

**Exhibit 10.2:** FY2020-21 Forecast of Operating Budget by Cost Component by Member Agency

**Exhibit 10.3:** FY2020-21 Forecast of Operating Budget by Cost Component by Line

**Exhibit 10.4:** FY2021-22 Forecast of Operating Budget by Cost Component by Member Agency

**Exhibit 10.5:** FY2021-22 Forecast of Operating Budget by Cost Component by Line

**Exhibit 10.6:** FY2022-23 Forecast of Operating Budget by Cost Component by Member Agency

**Exhibit 10.7:** FY2022-23 Forecast of Operating Budget by Cost Component by Line

**Exhibit 10.8:** FY2023-24 Forecast of Operating Budget by Cost Component by Member Agency

**Exhibit 10.9:** FY2023-24 Forecast of Operating Budget by Cost Component by Line

Exhibit 10.10: FY2020-24 Forecast of Rehabilitation Budget by Asset Category

Exhibit 10.11: FY2020-24 Forecast of Rehabilitation Budget by Member Agency

Exhibit 10.12: FY2020-24 Forecast of New Capital Budget by Asset Category

Exhibit 10.13: FY2020-24 Forecast of New Capital Budget by Member Agency

#### Exhibit 10.1 FY2020-21 Through FY2023-24 Forecast New Service Requests

FY2020-21 No new service

FY2021-22 REQ#2008 – 91/Perris Valley line – Add 1 peak-period, peak-direction round trip (1 new South Perris <> LA round trip) beginning October 2021

FY2022-23 No new service

FY2023-24 No new service

Exhibit 10.2 FY2020-21 Forecast of Operating Budget by Cost Component by Member Agency

| (000's)                             | METRO        | OCTA      | RCTC      | SBCTA     | VCTC      | Total      |
|-------------------------------------|--------------|-----------|-----------|-----------|-----------|------------|
| Operating Revenue                   |              |           |           |           |           |            |
| Farebox Revenue                     | \$ 43,955    | \$ 24,935 | \$ 8,321  | \$ 10,119 | \$ 2,428  | \$ 89,757  |
| Special Event Trains                | 99           | 55        | 46        | 19        | 5         | 224        |
| Fare Reduction Subsidy              | 756          | -         | -         | 534       | -         | 1,290      |
| Subtotal-Pro Forma FareBox          | 44,810       | 24,989    | 8,367     | 10,672    | 2,433     | 91,270     |
| Dispatching                         | 1,156        | 739       | 8         | 66        | 270       | 2,237      |
| Other Revenues                      | 123          | 54        | 28        | 36        | 17        | 257        |
| MOW Revenues                        | 7,927        | 2,692     | 690       | 1,600     | 493       | 13,401     |
| Total Operating Revenue             | 54,015       | 28,474    | 9,092     | 12,373    | 3,212     | 107,166    |
| Operating Expenses                  |              |           |           |           |           |            |
| Operations & Services               |              |           |           |           |           |            |
| Train Operations                    | 26,530       | 11,269    | 5,503     | 5,334     | 1,803     | 50,439     |
| Equipment Maintenance               | 18,566       | 8,704     | 4,486     | 4,382     | 1,598     | 37,737     |
| Fuel                                | 11,259       | 6,191     | 2,394     | 2,288     | 648       | 22,780     |
| Non-Scheduled Rolling Stock Repairs | 83           | 38        | 16        | 18        | 5         | 160        |
| Operating Facilities Maintenance    | 932          | 429       | 178       | 206       | 57        | 1,802      |
| Other Operating Train Services      | 501          | 138       | 119       | 169       | 80        | 1,007      |
| Special Trains                      | 312          | 233       | 230       | 38        | 5         | 817        |
| Rolling Stock Lease                 | 109          | 46        | 26        | 33        | 17        | 230        |
| Security - Sheriff                  | 3,310        | 1,254     | 971       | 650       | 124       | 6,309      |
| Security - Guards                   | 1,247        | 453       | 391       | 276       | 262       | 2,628      |
| Supplemental Additional Security    | 332          | 184       | 61        | 81        | 18        | 676        |
| Public Safety Program               | 206          | 75        | 65        | 46        | 43        | 434        |
| Passenger Relations                 | 883          | 516       | 174       | 216       | 61        | 1,851      |
| TVM Maintenance/Revenue Collection  | 3,645        | 1,854     | 1,406     | 1,087     | 512       | 8,503      |
| Marketing                           | 850          | 493       | 199       | 203       | 78        | 1,822      |
| Media & External Communications     | 228          | 83        | 72        | 51        | 48        | 481        |
| Utilities/Leases                    | 1,304        | 474       | 409       | 289       | 273       | 2,748      |
| Transfers to Other Operators        | 3,062        | 1,228     | 389       | 618       | 164       | 5,460      |
| Amtrak Transfers                    | 767          | 1,526     | 2         | 3         | 101       | 2,400      |
| Station Maintenance                 | 1,433        | 316       | 153       | 315       | 102       | 2,319      |
| Rail Agreements                     | 2,303        | 1,971     | 1,594     | 398       | 350       | 6,617      |
| Subtotal Operations & Services      | 77,862       | 37,475    | 18,837    | 16,698    | 6,348     | 157,221    |
| Maintenance-of-Way                  | 77,002       | 37,173    | 10,037    | 10,000    | 0,510     | 137,221    |
| MoW - Line Segments                 | 25,814       | 9,869     | 3,628     | 6,771     | 2,947     | 49,029     |
| MoW - Extraordinary Maintenance     | 434          | 106       | 71        | 79        | 51        | 740        |
| Subtotal Maintenance-of-Way         | 26,247       | 9,975     | 3,699     | 6,850     | 2,998     | 49,770     |
| Administration & Services           | 20,247       | 9,973     | 3,077     | 0,030     | 2,550     | 15,778     |
| Ops Salaries & Fringe Benefits      | 7,288        | 2,658     | 2,279     | 1,614     | 1,523     | 15,362     |
| Ops Non-Labor Expenses              | 4,591        | 1,997     | 994       | 1,032     | 442       | 9,055      |
| Indirect Administrative Expenses    | 10,240       | 3,719     | 3,212     | 2,266     | 2,148     | 21,585     |
| Ops Professional Services           | 1,917        | 696       | 601       | 424       | 402       | 4,041      |
| Subtotal Admin & Services           | 24,036       | 9,070     | 7,086     | 5,338     | 4.515     | 50,044     |
| Contingency                         | 24,036<br>95 | 34        | 30        | 21        | 20        | 200        |
| Total Operating Expenses            | 128,240      | 56,555    | 29,652    | 28,907    | 13,881    | 257,235    |
| Insurance and Legal                 | 120,240      | 30,333    | 27,032    | 20,707    | 13,001    | 237,233    |
| Liability/Property/Auto             | 6,346        | 2,919     | 1,210     | 1,400     | 388       | 12,263     |
| Net Claims / SI                     | 533          | 245       | 102       | 118       | 33        | 1,030      |
| Claims Administration               | 668          | 307       | 127       | 147       | 41        | 1,290      |
| Total Net Insurance and Legal       | 7,546        | 3,471     | 1,439     | 1,664     | 462       | 14,583     |
| Total Expense                       | 135,786      | 60,026    | 31,092    | 30,572    | 14,342    | 271,818    |
| Member Subsidies                    | 133,700      | 00,020    | 31,072    | 30,372    | 11,372    | 2,1,010    |
| Total Member Subsidies              | \$ 81,771    | \$ 31,553 | \$ 21,999 | \$ 18,199 | \$ 11,130 | \$ 164,652 |
| rotar Piember Substules             | J 01,//1     | 9 31,333  | J 41,777  | J 10,177  | \$ 11,13U | 9 104,032  |

Numbers may not foot due to rounding.

Exhibit 10.3 FY2020-21 Forecast of Operating Budget by Cost Component by Line

|   | San             | Ventura        | Antelope        |                | Orange     |              |                |                |            |
|---|-----------------|----------------|-----------------|----------------|------------|--------------|----------------|----------------|------------|
| (000's)   | Bernardino      | County         | Valley          | Riverside      | County     | OC MSEP      | IEOC           | 91/PVL         | TOTAL      |
| Operating Revenue   |                 |                |                 |                |            |              |                |                |            |
| Farebox Revenue   | \$ 19,606       | \$ 6,689       | \$ 13,444       | \$ 9,174       | \$ 25,275  | \$ 425       | \$ 8,043       | \$ 7,101       | \$ 89,757  |
| Special Event Trains  | 34              | 15             | 32              | 12             | 43         | -            | 58             | 32             | \$ 224     |
| Fare Reduction Subsidy  | 1,290           | -              | -               | -              | -          | -            | -              | -              | 1,290      |
| Subtotal-Pro Forma FareBox  | 20,929          | 6,704          | 13,475          | 9,186          | 25,317     | 425          | 8,101          | 7,133          | 91,270     |
| Dispatching   | 170             | 556            | 380             | 6              | 1,060      | 16           | 18             | 32             | 2,237      |
| Other Revenues  | 57              | 36             | 41              | 33             | 46         | 1            | 34             | 10             | 257        |
| MOW Revenues  | 3,601           | 1,581          | 4,087           | 308            | 1,719      | 193          | 1,155          | 755            | 13,401     |
| Total Operating Revenue   | 24,757          | 8,877          | 17,983          | 9,533          | 28,143     | 634          | 9,308          | 7,930          | 107,166    |
| Operating Expenses  |                 |                |                 |                |            |              |                |                |            |
| Operations & Services   | 40.000          | E 400          | 40.704          | 0.477          | 7.583      | 000          | E 500          | 0.057          | 50.439     |
| Train Operations  | 10,822<br>8,379 | 5,186<br>3,912 | 10,761<br>7,563 | 3,177<br>2.734 | 5.404      | 992<br>1.382 | 5,560<br>4.465 | 6,357<br>3.897 | 37,737     |
| Equipment Maintenance<br>Fuel   | 4,592           | 1,971          | 4,804           | 1.354          | 4,158      | 957          | 2,791          | 2.154          | 22,780     |
|   | 4,592           | 1,971          | 34              | 1,354          | 4,150      | 5            | 19             | 13             | 160        |
| Non-Scheduled Rolling Stock Repairs<br>Operating Facilities Maintenance | 423             | 157            | 387             | 127            | 285        | 58           | 218            | 147            | 1.802      |
| Other Operating Train Services  | 323             | 133            | 145             | 127            | 62         | 22           | 91             | 112            | 1,002      |
| Special Trains  | 74              | 17             | 81              | 11             | 115        |              | 194            | 324            | 817        |
| Rolling Stock Lease   | 50              | 35             | 37              | 32             | 39         | [            | 31             | 7              | 230        |
| Security - Sheriff  | 1,389           | 341            | 1.791           | 274            | 841        | 126          | 698            | 850            | 6.309      |
| Security - Guards   | 383             | 437            | 475             | 394            | 202        | 72           | 298            | 368            | 2,628      |
| Supplemental Additional Security  | 147             | 50             | 101             | 69             | 190        | 3            | 61             | 54             | 676        |
| Public Safety Program   | 63              | 72             | 78              | 65             | 33         | 12           | 49             | 61             | 434        |
| Passenger Relations   | 432             | 157            | 303             | 144            | 426        | 19           | 241            | 128            | 1.851      |
| TVM Maintenance/Revenue Collection                                      | 1.577           | 1,194          | 1.385           | 821            | 884        | 361          | 1.204          | 1.077          | 8,503      |
| Marketing   | 428             | 145            | 240             | 134            | 458        | 17           | 182            | 219            | 1,822      |
| Media & External Communications   | 70              | 80             | 87              | 72             | 37         | 13           | 54             | 67             | 481        |
| Utilities/Leases  | 401             | 457            | 496             | 412            | 212        | 75           | 311            | 385            | 2.748      |
| Transfers to Other Operators  | 1,278           | 456            | 1,212           | 467            | 1,443      | -            | 179            | 425            | 5,460      |
| Amtrak Transfers  | -               | 309            |                 | -              | 2,091      | -            | -              |                | 2,400      |
| Station Maintenance   | 666             | 301            | 480             | 201            | 407        | 14           | 40             | 209            | 2,319      |
| Rail Agreements   | -               | 652            | -               | 2,017          | 1,176      | 12           | 1,086          | 1,673          | 6,617      |
| Subtotal Operations & Services  | 31,538          | 16,076         | 30,460          | 12,636         | 26,071     | 4,142        | 17,773         | 18,525         | 157,221    |
| Maintenance-of-Way  |                 |                |                 |                |            |              |                |                |            |
| MoW - Line Segments   | 14,196          | 7,893          | 10,457          | 1,320          | 6,286      | 692          | 4,415          | 3,770          | 49,029     |
| MoW - Extraordinary Maintenance   | 168             | 118            | 144             | 81             | 105        | 8            | 85             | 32             | 740        |
| Subtotal Maintenance-of-Way   | 14,365          | 8,011          | 10,601          | 1,401          | 6,391      | 700          | 4,500          | 3,802          | 49,770     |
| Administration & Services   |                 |                |                 |                |            |              |                |                |            |
| Ops Salaries & Fringe Benefits  | 2,250           | 2,544          | 2,781           | 2,293          | 1,195      | 419          | 1,739          | 2,142          | 15,362     |
| Ops Non-Labor Expenses  | 1,902           | 955            | 1,820           | 783            | 1,362      | 225          | 1,042          | 966            | 9,055      |
| Indirect Administrative Expenses  | 3,149           | 3,587          | 3,898           | 3,233          | 1,662      | 591          | 2,443          | 3,020          | 21,585     |
| Ops Professional Services   | 590             | 672            | 730             | 605            | 311        | 111          | 457            | 565            | 4,041      |
| Subtotal Admin & Services   | 7,890           | 7,758          | 9,229           | 6,915          | 4,530      | 1,346        | 5,682          | 6,693          | 50,044     |
| Contingency   | 29              | 33             | 36              | 30             | 15         | 5            | 23             | 28             | 200        |
| Total Operating Expenses  | 53,822          | 31,878         | 50,326          | 20,982         | 37,008     | 6,193        | 27,978         | 29,047         | 257,235    |
| Insurance and Legal   | 0.004           | 4.070          | 0.004           | 000            | 4.007      | 205          | 1.407          | 000            | 40.000     |
| Liability/Property/Auto   | 2,881           | 1,072          | 2,631           | 862            | 1,937      | 395          | 1,487          | 998            | 12,263     |
| Net Claims / SI   | 242<br>303      | 90<br>113      | 221<br>277      | 72<br>91       | 163<br>204 | 33<br>42     | 125<br>156     | 84<br>105      | 1,030      |
| Claims Administration   | 303             | 113            | 211             | 91             | 204        | 42           | 100            | 105            | 1,290      |
| PLPD Revenue  | 2 120           | 4 274          | 2.420           | 4.025          | 2204       | 470          | 4.700          | 4.400          | 44 502     |
| Total Net Insurance and Legal   | 3,426           | 1,274          | 3,129           | 1,025          | 2,304      | 470          | 1,768          | 1,186          | 14,583     |
| Total Expense   | 57,248          | 33,153         | 53,456          | 22,008         | 39,311     | 6,663        | 29,746         | 30,234         | 271,818    |
| Member Subsidies  | A 00 101        | A 04 070       | A 05 170        | A 40 475       | A 44 400   | A 0 000      | A 00 400       | A 00 00 0      | A 404 050  |
| Total Member Subsidies  | \$ 32,491       | \$ 24,276      | \$ 35,472       | \$ 12,475      | \$ 11,168  | \$ 6,029     | \$ 20,438      | \$ 22,304      | \$ 164,652 |

Numbers may not foot due to rounding

Exhibit 10.4 FY2021-22 Forecast of Operating Budget by Cost Component by Member Agency

| (000's)                             | METRO     | OCTA      | RCTC      | SBCTA     | VCTC      | Total      |
|-------------------------------------|-----------|-----------|-----------|-----------|-----------|------------|
| Operating Revenue                   |           |           |           |           |           |            |
| Farebox Revenue                     | \$ 44,614 | \$ 25,309 | \$ 8,446  | \$ 10,271 | \$ 2,464  | \$ 91,103  |
| Special Event Trains                | 102       | 56        | 47        | 19        | 6         | 231        |
| Fare Reduction Subsidy              | 309       | -         | -         | 218       | -         | 527        |
| Subtotal-Pro Forma FareBox          | 45,025    | 25,365    | 8,493     | 10,508    | 2,470     | 91,861     |
| Dispatching                         | 1,190     | 761       | 8         | 68        | 278       | 2,305      |
| Other Revenues                      | 125       | 55        | 28        | 36        | 17        | 262        |
| MOW Revenues                        | 8,165     | 2,772     | 710       | 1,648     | 508       | 13,803     |
| Total Operating Revenue             | 54,505    | 28,953    | 9,240     | 12,260    | 3,272     | 108,230    |
| Operating Expenses                  |           |           |           |           |           |            |
| Operations & Services               |           |           |           |           |           |            |
| Train Operations                    | 27,592    | 11,720    | 5,723     | 5,547     | 1,875     | 52,456     |
| Equipment Maintenance               | 19,122    | 8,965     | 4,621     | 4,514     | 1,646     | 38,869     |
| Fuel                                | 11,007    | 6,053     | 2,340     | 2,237     | 633       | 22,270     |
| Non-Scheduled Rolling Stock Repairs | 83        | 38        | 16        | 18        | 5         | 160        |
| Operating Facilities Maintenance    | 960       | 442       | 183       | 212       | 59        | 1,856      |
| Other Operating Train Services      | 516       | 142       | 123       | 174       | 82        | 1,037      |
| Special Trains                      | 321       | 240       | 236       | 39        | 6         | 842        |
| Rolling Stock Lease                 | -         | -         | -         | -         | -         | -          |
| Security - Sheriff                  | 3,409     | 1,292     | 1,001     | 669       | 127       | 6,498      |
| Security - Guards                   | 1,284     | 466       | 403       | 284       | 269       | 2,707      |
| Supplemental Additional Security    | 337       | 187       | 62        | 82        | 18        | 685        |
| Public Safety Program               | 212       | 77        | 66        | 47        | 44        | 447        |
| Passenger Relations                 | 910       | 532       | 180       | 222       | 63        | 1,906      |
| TVM Maintenance/Revenue Collection  | 3,754     | 1,909     | 1,449     | 1,119     | 527       | 8,759      |
| Marketing                           | 850       | 493       | 199       | 203       | 78        | 1,822      |
| Media & External Communications     | 238       | 86        | 75        | 53        | 50        | 501        |
| Utilities/Leases                    | 1,330     | 483       | 417       | 294       | 279       | 2,803      |
| Transfers to Other Operators        | 3,093     | 1,240     | 393       | 624       | 166       | 5,515      |
| Amtrak Transfers                    | 767       | 1,526     | 2         | 3         | 101       | 2,400      |
| Station Maintenance                 | 1,491     | 329       | 159       | 327       | 106       | 2,412      |
| Rail Agreements                     | 2,372     | 2,030     | 1,642     | 410       | 361       | 6,815      |
| Subtotal Operations & Services      | 79,647    | 38,251    | 19,289    | 17,079    | 6,495     | 160,760    |
| Maintenance-of-Way                  |           |           |           |           |           |            |
| MoW - Line Segments                 | 26,846    | 10,264    | 3,774     | 7,042     | 3,065     | 50,990     |
| MoW - Extraordinary Maintenance     | 451       | 110       | 73        | 82        | 53        | 770        |
| Subtotal Maintenance-of-Way         | 27,297    | 10,374    | 3,847     | 7,124     | 3,118     | 51,761     |
| Administration & Services           |           |           | ]         |           | ]         |            |
| Ops Salaries & Fringe Benefits      | 7,652     | 2,791     | 2,393     | 1,695     | 1,599     | 16,131     |
| Ops Non-Labor Expenses              | 4,728     | 2,057     | 1,024     | 1,063     | 455       | 9,327      |
| Indirect Administrative Expenses    | 10,650    | 3,868     | 3,340     | 2,357     | 2,234     | 22,449     |
| Ops Professional Services           | 1,975     | 717       | 619       | 437       | 414       | 4,163      |
| Subtotal Admin & Services           | 25,005    | 9,433     | 7,377     | 5,553     | 4,702     | 52,069     |
| Contingency                         | 95        | 34        | 30        | 21        | 20        | 200        |
| Total Operating Expenses            | 132,044   | 58,092    | 30,542    | 29,777    | 14,335    | 264,790    |
| Insurance and Legal                 |           |           |           |           |           |            |
| Liability/Property/Auto             | 6,536     | 3,006     | 1,247     | 1,442     | 400       | 12,631     |
| Net Claims / SI                     | 549       | 253       | 105       | 121       | 34        | 1,061      |
| Claims Administration               | 688       | 316       | 131       | 152       | 42        | 1,329      |
| Total Net Insurance and Legal       | 7,773     | 3,575     | 1,483     | 1,714     | 476       | 15,021     |
| Total Expense                       | 139,816   | 61,667    | 32,024    | 31,491    | 14,811    | 279,810    |
| Member Subsidies                    |           |           |           |           |           |            |
| Total Member Subsidies              | \$ 85,311 | \$ 32,714 | \$ 22,784 | \$ 19,231 | \$ 11,539 | \$ 171,580 |
|                                     | -         | •         | -         | •         | •         | •          |

Numbers may not foot due to rounding.

Exhibit 10.5 FY2021-22 Forecast of Operating Budget by Cost Component by Line

|                                     | San        | Ventura   | Antelope  |           | Orange    |          |           |           |            |
|-------------------------------------|------------|-----------|-----------|-----------|-----------|----------|-----------|-----------|------------|
| (000's)                             | Bernardino | County    | Valley    | Riverside | County    | OC MSEP  | IEOC      | 91/PVL    | TOTAL      |
| Operating Revenue                   |            |           |           |           |           |          |           |           |            |
| Farebox Revenue                     | \$ 19,900  | \$ 6,789  | \$ 13,645 | \$ 9,312  | \$ 25,654 | \$ 432   | \$ 8,164  | \$ 7,207  | \$ 91,103  |
| Special Event Trains                | 35         | 15        | 33        | 12        | 44        | -        | 60        | 33        | \$ 231     |
| Fare Reduction Subsidy              | 527        | -         | -         | -         | -         | -        | -         | -         | \$ 527     |
| Subtotal-Pro Forma FareBox          | 20,461     | 6,805     | 13,678    | 9,324     | 25,698    | 432      | 8,224     | 7,240     | 91,861     |
| Dispatching                         | 175        | 572       | 392       | 6         | 1,092     | 16       | 19        | 33        | 2,305      |
| Other Revenues                      | 58         | 37        | 41        | 34        | 47        | 1        | 34        | 10        | 262        |
| MOW Revenues                        | 3,709      | 1,629     | 4,210     | 318       | 1,771     | 199      | 1,190     | 778       | 13,803     |
| Total Operating Revenue             | 24,404     | 9,042     | 18,321    | 9,681     | 28,608    | 647      | 9,466     | 8,061     | 108,230    |
| Operating Expenses                  |            |           |           |           |           |          |           |           |            |
| Operations & Services               |            |           |           |           |           |          |           |           |            |
| Train Operations                    | 11,255     | 5,394     | 11,191    | 3,304     | 7,886     | 1,032    | 5,782     | 6,611     | 52,456     |
| Equipment Maintenance               | 8,631      | 4,030     | 7,789     | 2,816     | 5,566     | 1,424    | 4,599     | 4,014     | 38,869     |
| Fuel                                | 4,490      | 1,927     | 4,697     | 1,323     | 4,062     | 936      | 2,729     | 2,106     | 22,270     |
| Non-Scheduled Rolling Stock Repairs | 38         | 14        | 34        | 11        | 25        | 5        | 19        | 13        | 160        |
| Operating Facilities Maintenance    | 436        | 162       | 398       | 130       | 293       | 60       | 225       | 151       | 1,856      |
| Other Operating Train Services      | 333        | 137       | 149       | 124       | 64        | 23       | 93        | 115       | 1,037      |
| Special Trains                      | 76         | 18        | 84        | 12        | 119       | -        | 200       | 333       | 842        |
| Rolling Stock Lease                 | -          | -         | -         | -         | -         | -        | -         | -         | -          |
| Security - Sheriff                  | 1,431      | 351       | 1,844     | 283       | 866       | 130      | 719       | 875       | 6,498      |
| Security - Guards                   | 395        | 450       | 489       | 406       | 208       | 74       | 306       | 379       | 2,707      |
| Supplemental Additional Security    | 149        | 51        | 103       | 70        | 193       | 3        | 62        | 54        | 685        |
| Public Safety Program               | 65         | 74        | 81        | 67        | 34        | 12       | 51        | 62        | 447        |
| Passenger Relations                 | 445        | 162       | 312       | 149       | 439       | 19       | 248       | 132       | 1,906      |
| TVM Maintenance/Revenue Collection  | 1,625      | 1,230     | 1,427     | 845       | 911       | 372      | 1,240     | 1,109     | 8,759      |
| Marketing                           | 428        | 145       | 240       | 134       | 458       | 17       | 182       | 219       | 1,822      |
| Media & External Communications     | 73         | 83        | 90        | 75        | 39        | 14       | 57        | 70        | 501        |
| Utilities/Leases                    | 409        | 466       | 506       | 420       | 216       | 77       | 317       | 392       | 2,803      |
| Transfers to Other Operators        | 1,291      | 460       | 1,224     | 471       | 1,457     | -        | 181       | 430       | 5,515      |
| Amtrak Transfers                    | -          | 309       | -         | -         | 2,091     | -        | -         | -         | 2,400      |
| Station Maintenance                 | 693        | 313       | 499       | 209       | 424       | 15       | 42        | 217       | 2,412      |
| Rail Agreements                     | -          | 672       | -         | 2,078     | 1,212     | 12       | 1,119     | 1,723     | 6,815      |
| Subtotal Operations & Services      | 32,261     | 16,446    | 31,159    | 12,927    | 26,564    | 4,224    | 18,171    | 19,007    | 160,760    |
| Maintenance-of-Way                  |            |           |           |           |           |          |           |           |            |
| MoW - Line Segments                 | 14,764     | 8,209     | 10,875    | 1,373     | 6,538     | 720      | 4,591     | 3,921     | 50,990     |
| MoW - Extraordinary Maintenance     | 175        | 122       | 150       | 84        | 109       | 8        | 88        | 33        | 770        |
| Subtotal Maintenance-of-Way         | 14,940     | 8,332     | 11,025    | 1,457     | 6,647     | 728      | 4,680     | 3,954     | 51,761     |
| Administration & Services           |            |           |           |           |           |          |           |           |            |
| Ops Salaries & Fringe Benefits      | 2,362      | 2,671     | 2,920     | 2,408     | 1,255     | 440      | 1,826     | 2,249     | 16,131     |
| Ops Non-Labor Expenses              | 1,959      | 983       | 1,875     | 807       | 1,403     | 232      | 1,073     | 995       | 9,327      |
| Indirect Administrative Expenses    | 3,275      | 3,731     | 4,054     | 3,363     | 1,729     | 615      | 2,541     | 3,141     | 22,449     |
| Ops Professional Services           | 607        | 692       | 752       | 624       | 321       | 114      | 471       | 582       | 4,163      |
| Subtotal Admin & Services           | 8,203      | 8,077     | 9,601     | 7,201     | 4,707     | 1,401    | 5,912     | 6,966     | 52,069     |
| Contingency                         | 29         | 33        | 36        | 30        | 15        | 5        | 23        | 28        | 200        |
| Total Operating Expenses            | 55,433     | 32,889    | 51,821    | 21,615    | 37,933    | 6,359    | 28,785    | 29,955    | 264,790    |
| Insurance and Legal                 |            |           |           |           |           |          |           |           |            |
| Liability/Property/Auto             | 2,967      | 1,104     | 2,710     | 888       | 1,995     | 407      | 1,532     | 1,028     | 12,631     |
| Net Claims / SI                     | 249        | 93        | 228       | 75        | 168       | 34       | 129       | 86        | 1,061      |
| Claims Administration               | 312        | 116       | 285       | 93        | 210       | 43       | 161       | 108       | 1,329      |
| PLPD Revenue                        |            |           |           |           |           |          |           |           |            |
| Total Net Insurance and Legal       | 3,528      | 1,312     | 3,223     | 1,056     | 2,373     | 484      | 1,821     | 1,222     | 15,021     |
| Total Expense                       | 58,962     | 34,201    | 55,044    | 22,671    | 40,306    | 6,843    | 30,607    | 31,177    | 279,810    |
| Member Subsidies                    |            |           | l         | I +       | 14        | 14       |           | 14        | A          |
| Total Member Subsidies              | \$ 34,558  | \$ 25,159 | \$ 36,723 | \$ 12,990 | \$ 11,698 | \$ 6,196 | \$ 21,140 | \$ 23,116 | \$ 171,580 |

Numbers may not foot due to rounding

Exhibit 10.6: FY2022-23 Forecast of Operating Budget by Cost Component by Member Agency

| (000's)                             | METRO     | OCTA      | RCTC      | SBCTA     | VCTC      | Total      |
|-------------------------------------|-----------|-----------|-----------|-----------|-----------|------------|
| Operating Revenue                   |           |           |           |           |           |            |
| Farebox Revenue                     | \$ 45,596 | \$ 25,865 | \$ 8,631  | \$ 10,496 | \$ 2,518  | \$ 93,107  |
| Special Event Trains                | 105       | 58        | 49        | 20        | 6         | 238        |
| Fare Reduction Subsidy              | -         | -         | -         | -         | -         | -          |
| Subtotal-Pro Forma FareBox          | 45,701    | 25,923    | 8,680     | 10,517    | 2,524     | 93,345     |
| Dispatching                         | 1,226     | 783       | 9         | 70        | 286       | 2,374      |
| Other Revenues                      | 128       | 56        | 29        | 37        | 17        | 267        |
| MOW Revenues                        | 8,410     | 2,856     | 732       | 1,697     | 523       | 14,217     |
| Total Operating Revenue             | 55,464    | 29,619    | 9,449     | 12,320    | 3,350     | 110,203    |
| Operating Expenses                  |           |           |           |           |           |            |
| Operations & Services               |           |           |           |           |           |            |
| Train Operations                    | 28,695    | 12,189    | 5,952     | 5,769     | 1,950     | 54,555     |
| Equipment Maintenance               | 19,696    | 9,234     | 4,760     | 4,649     | 1,696     | 40,035     |
| Fuel                                | 10,755    | 5,914     | 2,286     | 2,186     | 619       | 21,760     |
| Non-Scheduled Rolling Stock Repairs | 84        | 38        | 16        | 18        | 5         | 162        |
| Operating Facilities Maintenance    | 989       | 455       | 189       | 218       | 61        | 1,911      |
| Other Operating Train Services      | 531       | 146       | 126       | 180       | 85        | 1,068      |
| Special Trains                      | 331       | 247       | 243       | 40        | 6         | 867        |
| Rolling Stock Lease                 | -         | -         | -         | -         | -         | -          |
| Security - Sheriff                  | 3,511     | 1,331     | 1,031     | 690       | 131       | 6,693      |
| Security - Guards                   | 1,323     | 480       | 415       | 293       | 277       | 2,788      |
| Supplemental Additional Security    | 344       | 191       | 63        | 84        | 18        | 700        |
| Public Safety Program               | 218       | 79        | 68        | 48        | 46        | 460        |
| Passenger Relations                 | 937       | 548       | 185       | 229       | 65        | 1,963      |
| TVM Maintenance/Revenue Collection  | 3,867     | 1,967     | 1,492     | 1,153     | 543       | 9,021      |
| Marketing                           | 850       | 493       | 199       | 203       | 78        | 1,822      |
| Media & External Communications     | 249       | 91        | 78        | 55        | 52        | 526        |
| Utilities/Leases                    | 1,370     | 498       | 430       | 303       | 287       | 2,888      |
| Transfers to Other Operators        | 3,155     | 1,265     | 401       | 636       | 169       | 5,625      |
| Amtrak Transfers                    | 767       | 1,526     | 2         | 3         | 101       | 2,400      |
| Station Maintenance                 | 1,565     | 345       | 167       | 344       | 111       | 2,533      |
| Rail Agreements                     | 2,444     | 2,091     | 1,691     | 422       | 372       | 7,020      |
| Subtotal Operations & Services      | 81,680    | 39,128    | 19,795    | 17,523    | 6,671     | 164,797    |
| Maintenance-of-Way                  |           |           |           |           |           |            |
| MoW - Line Segments                 | 27,920    | 10,675    | 3,924     | 7,324     | 3,187     | 53,030     |
| MoW - Extraordinary Maintenance     | 474       | 116       | 77        | 86        | 56        | 809        |
| Subtotal Maintenance-of-Way         | 28,394    | 10,790    | 4,002     | 7,410     | 3,243     | 53,839     |
| Administration & Services           | -         |           | -         | -         | -         |            |
| Ops Salaries & Fringe Benefits      | 8,035     | 2,930     | 2,513     | 1,780     | 1,679     | 16,937     |
| Ops Non-Labor Expenses              | 4,870     | 2,118     | 1,054     | 1,095     | 469       | 9,607      |
| Indirect Administrative Expenses    | 11,076    | 4,023     | 3,474     | 2,451     | 2,323     | 23,347     |
| Ops Professional Services           | 2,034     | 739       | 638       | 450       | 427       | 4,288      |
| Subtotal Admin & Services           | 26,015    | 9,810     | 7,679     | 5,777     | 4,898     | 54,178     |
| Contingency                         | 95        | 34        | 30        | 21        | 20        | 200        |
| Total Operating Expenses            | 136,183   | 59,763    | 31,505    | 30,730    | 14,832    | 273,014    |
| Insurance and Legal                 |           |           |           |           |           |            |
| Liability/Property/Auto             | 6,732     | 3,097     | 1,284     | 1,485     | 412       | 13,010     |
| Net Claims / SI                     | 565       | 260       | 108       | 125       | 35        | 1,093      |
| Claims Administration               | 701       | 323       | 134       | 155       | 43        | 1,355      |
| Total Net Insurance and Legal       | 7,999     | 3,679     | 1,526     | 1,764     | 489       | 15,458     |
| Total Expense                       | 144,182   | 63,443    | 33,031    | 32,495    | 15,321    | 288,472    |
| Member Subsidies                    | ,         | ,0        | ,002      | ,         |           |            |
| Total Member Subsidies              | \$ 88,718 | \$ 33,824 | \$ 23,581 | \$ 20,174 | \$ 11,971 | \$ 178,269 |
| i otal membel substutes             | φ 00,/10  | φ 33,044  | 10 كرد∡ ب | φ 4U,1/4  | φ 11,7/1  | φ 1/0,409  |

Numbers may not foot due to rounding.

Exhibit 10.7: FY2022-23 Forecast of Operating Budget by Cost Component by Line

|                                     | San        | Ventura       | Antelope  |   | Orange    |          |          |           |            |
|-------------------------------------|------------|---------------|-----------|---|-----------|----------|----------|-----------|------------|
| (000's)                             | Bernardino | County        | Valley    | Riverside                               | County    | OC MSEP  | IEOC     | 91/PVL    | TOTAL      |
| Operating Revenue                   |            |               |           |   |           |          |          |           |            |
| Farebox Revenue                     | \$ 20,338  | \$ 6,939      | \$ 13,946 | \$ 9,517                                | \$ 26,218 | \$ 441   | \$ 8,343 | \$ 7,366  | \$ 93,107  |
| Special Event Trains                | 36         | 16            | 34        | 12                                      | 45        | -        | 62       | 34        | \$ 238     |
| Fare Reduction Subsidy              | -          | -             | -         | -                                       | -         | -        | -        | -         | -          |
| Subtotal-Pro Forma FareBox          | 20,373     | 6,955         | 13,979    | 9,529                                   | 26,263    | 441      | 8,405    | 7,400     | 93,345     |
| Dispatching                         | 180        | 590           | 403       | 6                                       | 1,124     | 17       | 19       | 34        | 2,374      |
| Other Revenues                      | 59         | 37            | 42        | 34                                      | 48        | 1        | 35       | 10        | 267        |
| MOW Revenues                        | 3,821      | 1,678         | 4,336     | 327                                     | 1,824     | 205      | 1,225    | 801       | 14,217     |
| Total Operating Revenue             | 24,433     | 9,259         | 18,761    | 9,897                                   | 29,260    | 663      | 9,685    | 8,245     | 110,203    |
| Operating Expenses                  |            | ·             | ŕ         | ŕ                                       | ·         |          |          | ·         | ,          |
| Operations & Services               |            |               |           |   |           |          |          |           |            |
| Train Operations                    | 11,706     | 5,610         | 11,639    | 3,437                                   | 8,201     | 1,073    | 6,014    | 6,876     | 54,555     |
| Equipment Maintenance               | 8,890      | 4,151         | 8,023     | 2,901                                   | 5,733     | 1,466    | 4,737    | 4,134     | 40,035     |
| Fuel                                | 4.387      | 1,883         | 4.589     | 1,293                                   | 3,969     | 915      | 2,666    | 2.058     | 21,760     |
| Non-Scheduled Rolling Stock Repairs | 38         | 14            | 35        | 11                                      | 26        | 5        | 20       | 13        | 162        |
| Operating Facilities Maintenance    | 449        | 167           | 410       | 134                                     | 302       | 62       | 232      | 156       | 1,911      |
| Other Operating Train Services      | 342        | 141           | 153       | 127                                     | 65        | 23       | 96       | 119       | 1.068      |
| Special Trains                      | 79         | 18            | 86        | 12                                      | 122       | - 20     | 206      | 343       | 867        |
| Rolling Stock Lease                 |            |               | -         |   |           |          | 200      | 343       |            |
| Security - Sheriff                  | 1.473      | 362           | 1,900     | 291                                     | 892       | 133      | 740      | 901       | 6,693      |
| Security - Guards                   | 407        | 463           | 504       | 418                                     | 215       | 76       | 316      | 390       | 2,788      |
| Supplemental Additional Security    | 153        | 52            | 105       | 71                                      | 197       | 3        | 63       | 56        | 700        |
|                                     | 67         | 76            | 83        | 69                                      | 35        | 13       | 52       | 64        | 460        |
| Public Safety Program               |            |               |           |   |           |          |          |           |            |
| Passenger Relations                 | 458        | 167           | 322       | 153                                     | 452       | 20       | 255      | 136       | 1,963      |
| TVM Maintenance/Revenue Collection  | 1,673      | 1,267         | 1,470     | 871                                     | 938       | 383      | 1,277    | 1,142     | 9,021      |
| Marketing                           | 428        | 145           | 240       | 134                                     | 458       | 17       | 182      | 219       | 1,822      |
| Media & External Communications     | 77         | 87            | 95        | 79                                      | 40        | 14       | 60       | 74        | 526        |
| Utilities/Leases                    | 421        | 480           | 521       | 433                                     | 222       | 79       | 327      | 404       | 2,888      |
| Transfers to Other Operators        | 1,317      | 470           | 1,249     | 481                                     | 1,487     | -        | 184      | 438       | 5,625      |
| Amtrak Transfers                    | -          | 309           | -         | -                                       | 2,091     | -        | -        | -         | 2,400      |
| Station Maintenance                 | 727        | 328           | 524       | 220                                     | 445       | 16       | 44       | 228       | 2,533      |
| Rail Agreements                     | -          | 692           | -         | 2,140                                   | 1,248     | 13       | 1,152    | 1,775     | 7,020      |
| Subtotal Operations & Services      | 33,092     | 16,881        | 31,948    | 13,274                                  | 27,141    | 4,312    | 18,623   | 19,526    | 164,797    |
| Maintenance-of-Way                  |            |               |           |   |           |          |          |           |            |
| MoW - Line Segments                 | 15,355     | 8,537         | 11,310    | 1,428                                   | 6,799     | 748      | 4,775    | 4,077     | 53,030     |
| MoW - Extraordinary Maintenance     | 184        | 129           | 157       | 88                                      | 114       | 9        | 93       | 35        | 809        |
| Subtotal Maintenance-of-Way         | 15,539     | 8,666         | 11,467    | 1,516                                   | 6,913     | 757      | 4,868    | 4,112     | 53,839     |
| Administration & Services           |            |               |           |   |           |          |          |           |            |
| Ops Salaries & Fringe Benefits      | 2,480      | 2,805         | 3,066     | 2,528                                   | 1,317     | 462      | 1,917    | 2,361     | 16,937     |
| Ops Non-Labor Expenses              | 2,018      | 1,013         | 1,931     | 831                                     | 1,445     | 239      | 1,106    | 1,025     | 9,607      |
| Indirect Administrative Expenses    | 3,406      | 3,880         | 4,216     | 3,497                                   | 1,798     | 640      | 2,643    | 3,266     | 23,347     |
| Ops Professional Services           | 626        | 713           | 774       | 642                                     | 330       | 117      | 485      | 600       | 4,288      |
| Subtotal Admin & Services           | 8,530      | 8,410         | 9,988     | 7,499                                   | 4,890     | 1,458    | 6,151    | 7,252     | 54,178     |
| Contingency                         | 29         | 33            | 36        | 30                                      | 15        | 5        | 23       | 28        | 200        |
| Total Operating Expenses            | 57,189     | 33,991        | 53,439    | 22,319                                  | 38,961    | 6,533    | 29,665   | 30,918    | 273,014    |
| Insurance and Legal                 |            |               |           |   |           |          |          |           |            |
| Liability/Property/Auto             | 3,056      | 1,137         | 2,792     | 915                                     | 2,055     | 419      | 1,578    | 1,058     | 13,010     |
| Net Claims / SI                     | 257        | 95            | 234       | 77                                      | 173       | 35       | 133      | 89        | 1,093      |
| Claims Administration               | 318        | 118           | 291       | 95                                      | 214       | 44       | 164      | 110       | 1,355      |
| PLPD Revenue                        | -          |               |           | -                                       |           | "        | -        |           | - ,,,,,,,  |
| Total Net Insurance and Legal       | 3,631      | 1,351         | 3,317     | 1,087                                   | 2,442     | 498      | 1,874    | 1,258     | 15,458     |
| Total Expense                       | 60,820     | 35,341        | 56,756    | 23,406                                  | 41,403    | 7,031    | 31,539   | 32,176    | 288,472    |
| Member Subsidies                    |            | , , , , , , , | ,         | , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |           |          |          |           | ,          |
| Total Member Subsidies              | \$ 36,387  | \$ 26,082     | \$ 37,995 | \$ 13,509                               | \$ 12,142 | \$ 6,368 | \$21,855 | \$ 23,931 | \$ 178,269 |
|                                     | ,          | +             | +,        | +,                                      | +,        | + -1     | +        |           |            |

Numbers may not foot due to rounding

Exhibit 10.8: FY2023-24 Forecast of Operating Budget by Cost Component by Member Agency

| (000's)                             | METRO     | ОСТА      | RCTC      | SBCTA     | VCTC      | Total      |
|-------------------------------------|-----------|-----------|-----------|-----------|-----------|------------|
| Operating Revenue                   |           |           |           |           |           |            |
| Farebox Revenue                     | \$ 46,553 | \$ 26,408 | \$ 8,813  | \$ 10,717 | \$ 2,571  | \$ 95,063  |
| Special Event Trains                | 108       | 60        | 50        | 21        | 6         | 245        |
| Fare Reduction Subsidy              | -         | -         | -         | -         | -         | -          |
| Subtotal-Pro Forma FareBox          | 46,661    | 26,468    | 8,863     | 10,738    | 2,577     | 95,307     |
| Dispatching                         | 1,263     | 807       | 9         | 72        | 294       | 2,445      |
| Other Revenues                      | 130       | 58        | 30        | 38        | 18        | 273        |
| MOW Revenues                        | 8,662     | 2,941     | 754       | 1,748     | 539       | 14,644     |
| Total Operating Revenue             | 56,716    | 30,274    | 9,655     | 12,595    | 3,428     | 112,669    |
| Operating Expenses                  |           |           |           |           |           |            |
| Operations & Services               |           |           |           |           |           |            |
| Train Operations                    | 29,843    | 12,676    | 6,190     | 6,000     | 2,028     | 56,737     |
| Equipment Maintenance               | 20,287    | 9,511     | 4,902     | 4,789     | 1,747     | 41,236     |
| Fuel                                | 10,503    | 5,776     | 2,233     | 2,134     | 604       | 21,250     |
| Non-Scheduled Rolling Stock Repairs | 84        | 39        | 16        | 19        | 5         | 163        |
| Operating Facilities Maintenance    | 1,019     | 469       | 194       | 225       | 62        | 1,969      |
| Other Operating Train Services      | 547       | 151       | 130       | 185       | 87        | 1,100      |
| Special Trains                      | 341       | 254       | 251       | 41        | 6         | 893        |
| Rolling Stock Lease                 | -         | -         | -         | -         | -         | -          |
| Security - Sheriff                  | 3,616     | 1,371     | 1,062     | 710       | 135       | 6,894      |
| Security - Guards                   | 1,362     | 495       | 427       | 302       | 286       | 2,872      |
| Supplemental Additional Security    | 351       | 195       | 65        | 85        | 19        | 715        |
| Public Safety Program               | 225       | 82        | 71        | 50        | 47        | 474        |
| Passenger Relations                 | 965       | 564       | 191       | 236       | 67        | 2,022      |
| TVM Maintenance/Revenue Collection  | 3,983     | 2,026     | 1,537     | 1,188     | 559       | 9,292      |
| Marketing                           | 850       | 493       | 199       | 203       | 78        | 1,822      |
| Media & External Communications     | 262       | 95        | 82        | 58        | 55        | 552        |
| Utilities/Leases                    | 1,411     | 512       | 443       | 312       | 296       | 2,974      |
| Transfers to Other Operators        | 3,218     | 1,290     | 409       | 649       | 172       | 5,738      |
| Amtrak Transfers                    | 767       | 1,526     | 2         | 3         | 101       | 2,400      |
| Station Maintenance                 | 1,644     | 363       | 175       | 361       | 117       | 2,659      |
| Rail Agreements                     | 2,517     | 2,154     | 1,742     | 435       | 383       | 7,230      |
| Subtotal Operations & Services      | 83,795    | 40,041    | 20,320    | 17,984    | 6,854     | 168,992    |
| Maintenance-of-Way                  |           |           |           |           |           |            |
| MoW - Line Segments                 | 29,037    | 11,102    | 4,081     | 7,617     | 3,315     | 55,151     |
| MoW - Extraordinary Maintenance     | 497       | 121       | 81        | 91        | 59        | 849        |
| Subtotal Maintenance-of-Way         | 29,534    | 11,223    | 4,162     | 7,707     | 3,374     | 56,000     |
| Administration & Services           |           |           |           |           |           |            |
| Ops Salaries & Fringe Benefits      | 8,436     | 3,077     | 2,639     | 1,869     | 1,763     | 17,784     |
| Ops Non-Labor Expenses              | 5,016     | 2,182     | 1,086     | 1,128     | 483       | 9,895      |
| Indirect Administrative Expenses    | 11,519    | 4,184     | 3,613     | 2,549     | 2,416     | 24,280     |
| Ops Professional Services           | 2,095     | 761       | 657       | 464       | 439       | 4,416      |
| Subtotal Admin & Services           | 27,066    | 10,203    | 7,994     | 6,010     | 5,101     | 56,376     |
| <u>Contingency</u>                  | 97        | 35        | 30        | 21        | 20        | 204        |
| Total Operating Expenses            | 140,492   | 61,503    | 32,507    | 31,722    | 15,349    | 281,572    |
| Insurance and Legal                 |           |           |           |           |           |            |
| Liability/Property/Auto             | 6,934     | 3,190     | 1,323     | 1,529     | 424       | 13,400     |
| Net Claims / SI                     | 582       | 268       | 111       | 128       | 36        | 1,126      |
| Claims Administration               | 715       | 329       | 136       | 158       | 44        | 1,382      |
| Total Net Insurance and Legal       | 8,232     | 3,787     | 1,570     | 1,816     | 504       | 15,908     |
| Total Expense                       | 148,724   | 65,289    | 34,077    | 33,538    | 15,852    | 297,481    |
| Member Subsidies                    |           |           |           |           |           |            |
| Total Member Subsidies              | \$ 92,007 | \$ 35,015 | \$ 24,422 | \$ 20,943 | \$ 12,424 | \$ 184,812 |
|                                     |           |           |           |           | <u> </u>  | ,          |

Numbers may not foot due to rounding.

Exhibit 10.9: FY2023-24 Forecast of Operating Budget by Cost Component by Line

| (000's)                                   | San<br>Bernardino | Ventura<br>County | Antelope<br>Valley | Riverside | Orange<br>County | OC MSEP  | IEOC      | 91/PVL    | TOTAL      |
|---|-------------------|-------------------|--------------------|-----------|------------------|----------|-----------|-----------|------------|
| Operating Revenue                         |                   | ,                 | ,                  |           | ,                |          |           |           |            |
| Farebox Revenue                           | \$ 20,765         | \$ 7.085          | \$ 14.238          | \$ 9.717  | \$ 26,769        | \$ 450   | \$ 8,519  | \$ 7,521  | \$ 95,063  |
| Special Event Trains                      | 37                | 16                | 35                 | 13        | 46               |          | 63        | 35        | \$ 245     |
| Fare Reduction Subsidy                    |                   | _                 |                    | -         | -                | _        | -         | -         |            |
| Subtotal-Pro Forma FareBox                | 20,801            | 7,101             | 14,273             | 9,729     | 26,815           | 450      | 8,582     | 7,555     | 95,307     |
| Dispatching                               | 186               | 607               | 415                | 6         | 1,158            | 17       | 20        | 35        | 2,445      |
| Other Revenues                            | 61                | 38                | 43                 | 35        | 49               | 1        | 36        | 10        | 273        |
| MOW Revenues                              | 3,935             | 1,728             | 4,466              | 337       | 1,879            | 211      | 1,262     | 825       | 14,644     |
| Total Operating Revenue                   | 24,983            | 9,474             | 19,198             | 10,108    | 29,902           | 679      | 9,900     | 8,426     | 112,669    |
| Operating Expenses                        |                   |                   |                    |           |                  |          |           |           |            |
| Operations & Services                     |                   |                   |                    |           |                  |          |           |           |            |
| Train Operations                          | 12,174            | 5,834             | 12,104             | 3,574     | 8,529            | 1,116    | 6,254     | 7,151     | 56,737     |
| Equipment Maintenance                     | 9,156             | 4,275             | 8,264              | 2,988     | 5,905            | 1,510    | 4,879     | 4,258     | 41,236     |
| Fuel                                      | 4,284             | 1,838             | 4,482              | 1,263     | 3,876            | 893      | 2,604     | 2,010     | 21,250     |
| Non-Scheduled Rolling Stock Repairs       | 38                | 14                | 35                 | 11        | 26               | 5        | 20        | 13        | 163        |
| Operating Facilities Maintenance          | 462               | 172               | 422                | 138       | 311              | 63       | 239       | 160       | 1,969      |
| Other Operating Train Services            | 353               | 145               | 158                | 131       | 67               | 24       | 99        | 122       | 1,100      |
| Special Trains                            | 81                | 19                | 89                 | 12        | 126              | -        | 212       | 354       | 893        |
| Rolling Stock Lease                       | -                 | -                 | -                  | -         | -                | -        | -         | -         | -          |
| Security - Sheriff                        | 1,518             | 373               | 1,957              | 300       | 919              | 137      | 762       | 928       | 6,894      |
| Security - Guards                         | 419               | 477               | 519                | 430       | 221              | 79       | 325       | 402       | 2,872      |
| Supplemental Additional Security          | 156               | 53                | 107                | 73        | 201              | 3        | 65        | 57        | 715        |
| Public Safety Program                     | 69                | 79                | 86                 | 71        | 36               | 13       | 54        | 66        | 474        |
| Passenger Relations                       | 472               | 172               | 332                | 158       | 466              | 20       | 263       | 140       | 2,022      |
| TVM Maintenance/Revenue Collection        | 1,724             | 1,305             | 1,514              | 897       | 966              | 395      | 1,316     | 1,176     | 9,292      |
| Marketing                                 | 428               | 145               | 240                | 134       | 458              | 17       | 182       | 219       | 1,822      |
| Media & External Communications           | 81                | 92                | 100                | 83        | 43               | 15       | 62        | 77        | 552        |
| Utilities/Leases                          | 434               | 494               | 537                | 446       | 229              | 81       | 337       | 416       | 2,974      |
| Transfers to Other Operators              | 1,343             | 479               | 1,274              | 490       | 1,516            | -        | 188       | 447       | 5,738      |
| Amtrak Transfers                          | -                 | 309               |                    | -         | 2,091            | -        | -         | -         | 2,400      |
| Station Maintenance                       | 764               | 345               | 551                | 231       | 467              | 16       | 46        | 240       | 2,659      |
| Rail Agreements                           | 22.055            | 712               | 20.700             | 2,204     | 1,286            | 13       | 1,187     | 1,828     | 7,230      |
| Subtotal Operations & Services            | 33,955            | 17,332            | 32,769             | 13,634    | 27,742           | 4,403    | 19,093    | 20,065    | 168,992    |
| Maintenance-of-Way<br>MoW - Line Segments | 15,969            | 8.879             | 11,762             | 1,485     | 7,071            | 778      | 4.966     | 4,240     | 55.151     |
| MoW - Extraordinary Maintenance           | 193               | 135               | 165                | 92        | 120              | 9        | 4,800     | 37        | 849        |
| Subtotal Maintenance-of-Way               | 16,162            | 9.014             | 11,927             | 1,578     | 7,191            | 787      | 5,064     | 4,277     | 56,000     |
| Administration & Services                 | 10,102            | 3,014             | 11,321             | 1,570     | 1,101            | 101      | 3,004     | 4,211     | 30,000     |
| Ops Salaries & Fringe Benefits            | 2,604             | 2.945             | 3,219              | 2.655     | 1,383            | 486      | 2.013     | 2,479     | 17.784     |
| Ops Non-Labor Expenses                    | 2,078             | 1.043             | 1,989              | 856       | 1,488            | 248      | 1,139     | 1.055     | 9.895      |
| Indirect Administrative Expenses          | 3,543             | 4.035             | 4.385              | 3.637     | 1,870            | 665      | 2,749     | 3,397     | 24,280     |
| Ops Professional Services                 | 644               | 734               | 798                | 662       | 340              | 121      | 500       | 618       | 4,416      |
| Subtotal Admin & Services                 | 8,869             | 8,758             | 10,391             | 7,809     | 5,081            | 1,517    | 6,400     | 7,549     | 56,376     |
| Contingency                               | 30                | 34                | 37                 | 31        | 16               | 6        | 23        | 29        | 204        |
| Total Operating Expenses                  | 59,016            | 35,138            | 55,124             | 23,051    | 40,030           | 6,714    | 30,580    | 31,920    | 281,572    |
| Insurance and Legal                       |                   |                   |                    |           |                  |          |           |           |            |
| Liability/Property/Auto                   | 3,148             | 1,171             | 2,875              | 942       | 2,117            | 432      | 1,625     | 1,090     | 13,400     |
| Net Claims / SI                           | 264               | 98                | 242                | 79        | 178              | 36       | 136       | 92        | 1,126      |
| Claims Administration                     | 325               | 121               | 297                | 97        | 218              | 45       | 168       | 112       | 1,382      |
| PLPD Revenue                              | -                 |                   | -                  | -         | -                | -        | -         | -         | -          |
| Total Net Insurance and Legal             | 3,737             | 1,390             | 3,414              | 1,118     | 2,513            | 513      | 1,929     | 1,294     | 15,908     |
| Total Expense                             | 62,753            | 36,528            | 58,537             | 24,170    | 42,543           | 7,226    | 32,510    | 33,214    | 297,481    |
| Member Subsidies                          |                   |                   |                    |           |                  |          |           |           |            |
| Total Member Subsidies                    | \$ 37,770         | \$ 27,054         | \$ 39,340          | \$ 14,062 | \$ 12,641        | \$ 6,547 | \$ 22,610 | \$ 24,788 | \$ 184,812 |
|   |                   |                   |                    |           |                  |          |           |           |            |

Numbers may not foot due to rounding

Exhibit 10.10: FY2020-24 Forecast of Rehabilitation Budget by Cost Asset Category

#### (000's)

| Asset Category                        | FY20-21 | FY21-22 | FY22-23 | FY23-24 | TOTAL   |  |  |
|---------------------------------------|---------|---------|---------|---------|---------|--|--|
| Tracks                                | 48,166  | 61,191  | 62,483  | 63,775  | 235,615 |  |  |
| Structures                            | 29,324  | 43,605  | 44,526  | 45,447  | 162,901 |  |  |
| Systems                               | 34,880  | 46,383  | 47,363  | 48,343  | 176,969 |  |  |
| Vehicles                              | 5,297   | 7,218   | 7,370   | 7,523   | 27,408  |  |  |
| Rolling Stock                         | 39,650  | 50,087  | 51,145  | 52,203  | 193,085 |  |  |
| Facilities                            | 3,818   | 4,580   | 4,677   | 4,774   | 17,848  |  |  |
| Rehabilitation Total                  | 161,135 | 213,064 | 217,564 | 222,064 | 813,826 |  |  |
| Numbers may not foot due to rounding. |         |         |         |         |         |  |  |

#### Exhibit 10.11: FY2020-24 Forecast of Rehabilitation Budget by Member Agency

#### (000's)

| (000 3)                               |         |         |         |         |         |  |  |
|---------------------------------------|---------|---------|---------|---------|---------|--|--|
| MEMBER AGENCY                         | FY20-21 | FY21-22 | FY22-23 | FY23-24 | TOTAL   |  |  |
| METRO                                 | 84,499  | 112,887 | 115,272 | 117,656 | 430,313 |  |  |
| OCTA                                  | 30,553  | 38,664  | 39,481  | 40,298  | 148,996 |  |  |
| RCTC                                  | 9,957   | 12,389  | 12,651  | 12,912  | 47,910  |  |  |
| SBCTA                                 | 23,058  | 31,243  | 31,903  | 32,562  | 118,766 |  |  |
| VCTC                                  | 13,068  | 17,880  | 18,258  | 18,635  | 67,841  |  |  |
| Rehabilitation Total                  | 161,135 | 213,064 | 217,564 | 222,064 | 813,826 |  |  |
| Numbers may not foot due to rounding. |         |         |         |         |         |  |  |

Exhibit 10.12: FY2020-24 Forecast of New Capital Budget by Asset Category

(000's)

| Asset Category                        | FY20-21 | FY21-22 | FY22-23 | FY23-24 | TOTAL   |  |  |
|---------------------------------------|---------|---------|---------|---------|---------|--|--|
| Tracks                                | -       | 31,710  | -       | 10,388  | 42,098  |  |  |
| Structures                            | -       | -       | -       | -       |         |  |  |
| Systems                               | 28      | -       | 3,258   | -       | 3,286   |  |  |
| Vehicles                              | 4,328   | -       | -       | 11,170  | 15,498  |  |  |
| Rolling Stock                         | -       | 39,109  | 29,000  | 35,655  | 103,764 |  |  |
| Facilities                            | 26,342  | 73,990  | 54,300  | -       | 154,632 |  |  |
| Rehabilitation Total                  | 30,698  | 144,809 | 86,558  | 57,213  | 319,278 |  |  |
| Numbers may not foot due to rounding. |         |         |         |         |         |  |  |

#### Exhibit 10.13: FY2020-24 Forecast of New Capital Budget by Member Agency

(000's)

| (0000)                                |         |         |         |         |         |  |  |
|---------------------------------------|---------|---------|---------|---------|---------|--|--|
| MEMBER AGENCY                         | FY20-21 | FY21-22 | FY22-23 | FY23-24 | TOTAL   |  |  |
| METRO                                 | 14,581  | 85,432  | 41,115  | 32,630  | 173,759 |  |  |
| OCTA                                  | 6,078   | 22,394  | 17,138  | 9,271   | 54,882  |  |  |
| RCTC                                  | 3,407   | 12,554  | 9,608   | 5,198   | 30,767  |  |  |
| SBCTA                                 | 4,420   | 16,286  | 12,464  | 6,743   | 39,914  |  |  |
| VCTC                                  | 2,210   | 8,143   | 6,232   | 3,371   | 19,957  |  |  |
| Rehabilitation Total                  | 30,698  | 144,809 | 86,558  | 57,213  | 319,278 |  |  |
| Numbers may not foot due to rounding. |         |         |         |         |         |  |  |





## SECTION 11 APPENDIX

#### SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY

#### **FY2019-20 BUDGET**

**SECTION 11: Appendix** 

#### 11.1 Introduction

In this section, supplementary descriptions and information are provided on SCRRA allocations methodology, policy on debt, GASB-34 Condition Assessment Ratings, Authority information and statistics, glossary of budget terms, and key acronyms associated with SCRRA.

#### 11.2 Revenue and Cost Allocation Methodology Detail

#### 11.2.1 Formulae for Allocation to Members

Under the terms of the Joint Powers Authority (JPA) governing the actions of the SCRRA, each Member Agency shall approve its individual Operating and Capital subsidies for an upcoming fiscal year. Because of its JPA structure, SCRRA utilizes a number of formulae for the purposes of allocating costs to both Member Agencies and Operating Line Segments. The goal is to allocate or assign the costs based on the root causes of the common costs instead of merely spreading the costs.

Subsidies for each Member Agency are determined by each budgeting cycle based on a series of previously agreed allocations for each budget component line item. This includes both revenues and expenses. *Exhibit 11.1* provides detailed information on allocation percentages.

#### 11.2.2 Formulae for Allocation to Lines

In addition to calculating allocations by Member Agency, the FY2019-20 Budget is also allocated across operating rail lines to provide the costs associated with providing system-wide services across the counties served. The lines are defined as San Bernardino, Ventura County, Antelope Valley, Riverside, Orange County, Orange County MSEP, Inland Empire/Orange County and the 91/Perris Valley Line.

Exhibit 11.2 provides detailed information on allocation percentages by line. This allocation is used to calculate operating expenses, revenues, subsidies and statistics by line.

#### 11.2.3 Allocation of Revenues

Farebox revenues are received by each operating line based on point of sale origin/destination pairs and allocated to Member Agencies (counties) on the basis of county train-miles for each line. Dispatching/Other revenues are allocated directly to those line segments that are subject to agreements with freight railroads and Amtrak. These revenues are allocated to the counties that own the particular segments and to the lines that are made up of these segments.

#### 11.2.4 Allocation of Expenses

Operating Expenses are allocated using a variety of railroad metrics. Most expenses in the Operating Budget are allocated on a combination of allocation and tier applications. Some exceptions are described as follows: fuel and Amtrak services related to the operation of trains are allocated to operating lines and counties based on train miles for each line or county; dispatching is allocated directly to operating lines and counties based on the ownership of line segments over which the Authority has dispatching authority. Additionally, transfers to other Operators, Rail Agreements, and Maintenance-of-Way (MOW) expenses are allocated directly to line segments.

MOW (expenditure and revenue) net subsidies on lines shared by more than one operating line segment are split to the counties by the respective share of train miles in each county of the respective line segments. There are specific expenditures related to particular lines. For example, the expenditures related to the Riverside Layover Facility are allocated to lines with services originating or terminating at the layover and subsequently to each county's base train miles on the participating line segments. In contrast, the River Corridor is shared by all lines, thus the expenditures in excess of revenues on this segment are split to lines and counties on the basis of the "All-Share" formula. Extraordinary Maintenance expenses for derailments are split on the All-Share formula, and for storm damage, gate knockdowns and vandalism using the formula representing route miles owned by county.

#### 11.3 SCRRA Policy on Debt

The purpose of issuing debt is to finance essential capital facilities and equipment. The issuance of debt spreads the cost of the facilities and equipment over their useful life. Historically, SCRRA has not issued debt for the development of facilities or the purchase of equipment. Rather, the capital has been funded by a combination of federal, state, Member Agency, and other local sources. In the absence of the need to issue debt, SCRRA has not adopted a formal debt policy.

State law defines the process under which a JPA may issue debt. The Marks-Roos Local Bond Pooling Act (Government Code, Sec. 6584) provided flexibility to a JPA by permitting the identification of future revenues for the maintenance of debt. Under this statute, a JPA is given powers to issue bonds to pay for the cost

of capital, including facilities and equipment. The statute requires the establishment of a new joint powers authority for the exclusive purpose of financing capital projects or acquisitions for its members. If future capital funding requirements ever require the issuance of debt, the Member Agencies and SCRRA Board may be asked to review and adopt a debt policy incorporating the establishment of a new joint powers authority as permitted in the Marks-Roos Local Bond Pooling Act.

#### 11.4 SCRRA Leveraged Lease Transactions

Although SCRRA has never issued debt for the construction of facilities or acquisition of equipment, three U.S. leveraged lease transactions were completed. As of June 2017, all three leases have been terminated and/or defeased in substance. Accordingly, the related debt and investments have been excluded from SCRRA's financial statements.

#### 11.4.1 Remaining Lease Agreement

In FY1995-96, SCRRA's Board entered into an agreement to lease 94 coach and cab cars and 31 locomotives and simultaneously entered into a sublease agreement with the lessee to lease them back. SCRRA received proceeds of approximately \$193.9 million of which it used approximately \$152.3 million to prepay future lease payments and defease part of its obligation. This prepayment amount was sufficient to cover the loan amount taken by the lessee through the years 2012 and 2014 for the locomotives and the cars, respectively. In addition, the Board invested approximately \$21.2 million in U.S. Zero Coupon Treasury strips. The Treasury strips will mature at values sufficient to cover all remaining lease payments due under the lease agreement as well as amounts necessary to exercise the repurchase options.

As a result, all obligations under this lease/leaseback transaction are considered to be defeased in substance. Additionally, in July 2003, SCRRA entered into a restructured agreement related to the 1996 transaction. The restructuring included 92 coach and cab cars related to the original 1996 transaction; two of the cars in the original transaction were damaged beyond repair in previous years. As a result of this 1996-A restructuring, SCRRA received proceeds of approximately \$2.9 million. The total net gain recognized by SCRRA from this leaseback agreement of \$19.1 million was fully amortized in FY2012-13.

#### 11.5 Description of GASB-34 Condition Assessment Ratings

SCRRA, as part of its implementation of Government Accounting Standards Board Pronouncement 34 (GASB-34), has elected to use the Modified Approach for the Metrolink Railroad Infrastructure. Under the modified approach, infrastructure assets that are part of a network, or subsystem of a network, are not required to be depreciated as long as two requirements are met:

- 1. The government manages the eligible infrastructure assets using a qualified asset management system; and
- The government documents that the eligible infrastructure assets are being preserved approximately at (or above) a condition level established and disclosed by the government.

As an alternative to conducting a system-wide assessment every three years, SCRRA has chosen to create a Metrolink Rehabilitation Plan (MRP) that thoroughly assesses the condition of SCRRA's key infrastructure assets. The MRP provides a "boots on the ground" approach to the scope and associated costs for both the current backlog and annual costs required to keep the railroad infrastructure at a State of Good Repair (SOGR).

The SCRRA Board adopted the SCRRA Transit Asset Management Plan (TAM Plan) in 2016 with the following overarching goal; "To ensure that a transit agency's assets are maintained and operated in a consistent, measurable SOGR. The TAM Plan provides guideposts by which an agency can track progress toward a mature, data driven asset management system. During 2018, Metrolink also introduced the MRP which is an element of the TAM Plan to better define infrastructure rehabilitation needs.

A team of SCRRA staff and consultants completed a yearlong comprehensive analysis to thoroughly assess the condition of SCRRA's infrastructure assets. These assessments were compiled and documented in the MRP. Based on these assessments within the MRP, the team was able to determine when these assets must be rehabilitated or replaced to support safe, reliable, high-quality and efficient services across SCRRA's rail network.

The MRP is the first report commissioned by SCRRA's engineering department to thoroughly assess the condition of SCRRA's key infrastructure components. This plan focuses on structures, tracks, systems and maintenance vehicles, rolling stock, and facilities. It provides recommendations for the rehabilitation efforts required to ensure safe and reliable operation. SCRRA's major infrastructure assets include: Bridges, Tunnels, Culverts, Track, Turnouts, Grade Crossings, Non-revenue Maintenance-of-Way (MOW) Vehicles, Signal Control Points, Intermediate Signals, Stations, Communication Sites with Positive Train Control (PTC) Antennas, Train Control Centers with Computer-aided Dispatch/PTC, Maintenance Facilities, Pomona Campus Facilities, Layover Yards, Locomotives, and Passenger Cars.

At the direction of SCRRA, infrastructure rehabilitation work was broadly organized into the following rehabilitation categories:

Backlog – This rehabilitation category covers a wide range of deferred rehabilitation on assets that are currently obsolete, exceed the age of useful life or a condition assessment indicates is due for rehabilitation. The risks for continuing to defer backlog work are significant and could result in failure.

State of Good Repair (SOGR) – This rehabilitation category indicates the recommended level of normalized annual rehabilitation budgeting required to maintain the railroad in a SOGR. An asset under SOGR is able to perform its manufacture design function, not pose an unacceptable identified safety risk, and its life cycle investment needs are met.

Special Projects – In addition to backlog and annual rehabilitation expenditures, there is also special rehabilitation projects that are needed in order to keep assets in SOGR. This includes future rolling stock procurements to replace current fleet, converting current locomotives to be low emissions compliant, major passenger car overhauls to extend the useful life, and large bridge and tunnel projects. These special projects are typically significant one-time expenditures.

The key findings of the MRP include the condition and cost estimates for existing infrastructure Backlog, recommended SOGR, and Special Projects. SCRRA's MRP outlines four general approaches to estimating backlogs and SOGR needs: (1) age, (2) condition, (3) performance, and (4) comprehensive assessment (age, condition, and performance).

Based on these four approaches, SCRRA was able to prioritize reinvestment and rehabilitation needs by tiers. Tier 1 as the highest priority, Tier 2, and Tier 3 as the lowest priority. Guideways and Bridges, Trackwork and Ballasts, PTC and Roadway Crossings have been designated as Tier 1 needs for the first draft of the MRP.

#### 11.6 SCRRA Information

### 11.6.1 Date of Formation

SCRRA was formed through a Joint Powers Agreement in August 1991.

#### 11.6.2 Form of Government

SCRRA operates as a Joint Exercise of Powers Authority.

## **11.6.3 Purpose**

The purpose of SCRRA is to plan, design, create and administer the operation of regional passenger rail lines.

### 11.6.4 Member Agencies

There are five Member Agencies associated with SCRRA: Los Angeles County Metropolitan Transportation Authority (Metro), Orange County Transportation Authority (OCTA), Riverside County Transportation Commission (RCTC), San Bernardino County Transportation Authority (SBCTA), and Ventura County Transportation Commission (VCTC).

## 11.6.5 Counties Served

SCRRA serves Los Angeles County, Northern San Diego County, Orange County, Riverside County, San Bernardino County and Ventura County.

## 11.7 SCRRA Statistical Information

| Population by County  | Los Angeles County            | 10.3 million |
|-----------------------|-------------------------------|--------------|
|                       | Orange County                 | 3.2 million  |
|                       | Riverside County              | 2.4 million  |
|                       | San Bernardino County         | 2.2 million  |
|                       | San Diego County              | 3.3 million  |
|                       | Ventura County                | 0.9 million  |
|                       | Total Population:             | 22.3 million |
|                       | California Population         | 39.8 million |
|                       | % of State Population located | 56%          |
|                       | within SCRRA Service Area     |              |
| Route Miles in System | Los Angeles County            | 220          |
| (Duplicated)          | Orange County                 | 117          |
|                       | Riverside County              | 79           |
|                       | San Bernardino County         | 41           |
|                       | Northern San Diego County     | 38           |
|                       | Ventura County                | <u>41</u>    |
|                       | Total Miles:                  | 536          |

| Route Miles<br>(Unduplicated)              | Los Angeles County Orange County Riverside County San Bernardino County Northern San Diego County Ventura County Total Miles: | 184<br>67<br>58<br>40<br>19<br>41<br>409  |
|--|---|---|
| Available Equipment                        | Locomotives<br>Cab Cars<br>Coaches  | 52<br>57<br>144                           |
| Stations                                   | Los Angeles County Orange County Riverside County San Bernardino Northern San Diego County Ventura County Total Stations:     | 27<br>12<br>9<br>8<br>1<br><u>5</u><br>62 |
| Ticket Vending Machines                    |   |   |
| Projected Number of Annual A               | Auto Trips Removed in FY2018-19   | 9,286,927                                 |
| Percent of Freeway Traffic Re (peak hours) | emoved on I-10 and SR 60 corridor   | up to 29%                                 |
| Average Metrolink weekday                  | 34.0 miles  |   |

| Percent of Metrolink Weekday Riders Formerly Driving Alone |                                   | 86% |  |
|--|-----------------------------------|-----|--|
| Percent of Riders with Los                                 | Angeles Union Station Destination | 61% |  |
| Percent of Minority Riders                                 | by Line Corridor                  |     |  |
|  | San Bernardino Line               | 73% |  |
|  | Riverside Line                    | 78% |  |
|  | Antelope Valley Line              | 67% |  |
|  | Ventura County Line               | 52% |  |
|  | Orange County Line                | 63% |  |
|  | Inland Empire-OC Line             | 61% |  |
|  | 91 Line                           | 69% |  |

## 11.8 Glossary of Budget Terms

Approved Budget: The official budget as approved by the five Member Agencies and the SCRRA Board of Directors.

Adopted Budget: The approved budget as Adopted by the SCRRA Board of Directors during a fiscal year.

Appropriation: Legal authorization to make expenditures and to incur obligations for specific purposes. An appropriation is usually limited in amount and to the time it may be expended.

*Budget*: A plan of financial operations comprised of estimated expenditures for a given period (one fiscal year) and the means of revenue generation to finance the expenditures.

Capital Program: The program consists of two major components: Rehabilitation and New Capital projects.

*Carryover:* Estimated outstanding budgeted project amounts as of June 30<sup>th</sup> of each fiscal year that includes the unspent portion of projects assigned number and currently in process, and projects not yet assigned numbers but approved prior to June 30<sup>th</sup>.

Contracted Services: Services rendered in support of SCRRA operations and other activities by external parties. These are generally based upon formal contracts or purchase orders.

Cost Center. The accounting designated summary of all expenditures related to an individual SCRRA department.

Department: An organizational subgroup of SCRRA.

Expenditures/Expenses: Decreases in net financial resources during a specific period.

Extraordinary Maintenance: The expenditures related to repairing damages due to vandalism, crossing gate knockdowns, accidents, derailments, fires, storm and other severe weather conditions.

Farebox Revenue: Fares received from passengers for travel on Metrolink trains.

Farebox Recovery: Ratio of farebox revenue to total expenses net of non-BNSF rolling stock leases.

Fiscal Year. A 12-month period to which the annual budget applies and at the end of which SCRRA determines its financial position, the results of its operations and capital program, and adopts a budget for the coming fiscal year. SCRRA's fiscal year is from July 1 through June 30.

Full-Time Equivalent (FTE): The conversion of full-time and part-time employee hours to the equivalent of a full-time position.

Member Agency: The designated and defined five county entities in the Joint Powers of Authority agreement: Los Angeles County Metropolitan Transportation Authority (Metro), Orange County Transportation Authority (OCTA), Riverside County Transportation Commission (RCTC), San Bernardino County Transportation Authority (SBCTA), and Ventura County Transportation Commission (VCTC).

*Modes:* Discrete business units of operation within an organization. SCRRA business modes are Train Operations, MOW, new capital, rehabilitation and recollectables.

Operating Budget: A financial forecast that focuses on everyday operating activities and programs. For SCRRA, the Operating Budget includes Train Operations, Maintenance-of-Way and Insurance Expense.

Positive Train Control (PTC): GPS-based safety technology capable of preventing train-to-train collisions, over speed derailments, unauthorized incursion into work

zones and train movement through switches left in the wrong position. PTC monitors and, if necessary, controls train movement in the event of human error. PTC can also bring trains to a safe stop in the event of a natural disaster.

*Preliminary Budget*: A budget in its preliminary preparation stage prior to adoption by the SCRRA Board of Directors.

Special Trains: Revenue trains not included in the regularly-scheduled timetable.

Rehabilitation Expenditure: Those expenditures that replace worn-out assets with like or improved assets and thus extend the useful life of these capital assets. Such costs are generally capitalized.

Revenue: Monies that SCRRA receives as income in the form of farebox revenue, payments from other railroads, local funds for operating or capital, grants, interest, and advertising, among others.

Revenue Recovery: The ratio of Operating Revenues to Operating Expenses net of Non-BNSF Rolling Stock Lease.

*Ridership*: The number of one-way trips by passengers on Metrolink trains.

Salary and Fringe Benefit Expenses: Compensation paid to or on behalf of SCRRA employees for salaries, wages, overtime, and benefits.

# 11.9 Key Acronyms Associated with Southern California Regional Rail Authority

ADA Americans with Disabilities Act

Amtrak National Railroad Passenger Corporation (Intercity Rail Service)

APTA American Public Transportation Association

AQMD Air Quality Management District

ARRA American Recovery and Reinvestment Act
BNSF Burlington Northern Santa Fe Railroad
CAFR Comprehensive Annual Financial Report
Caltrans California Department of Transportation

CAM Capital Asset Management

CEQA California Environmental Quality Act
CMAQ Congestion Mitigation Air Quality
CMF Central Maintenance Facility
CPP Corporate Partner Program

CTC California Transportation Commission
DBE Disadvantaged Business Enterprises

DOL Federal Department of Labor

DOT Federal Department of Transportation

EIR Environmental Impact Report EIS Environmental Impact Study

EPA Federal Environmental Protection Agency ETC Employer Transportation Coordinator

FCR Flexible Congestion Relief

FHWA Federal Highway Administration FRA Federal Railroad Administration FTA Federal Transit Administration

GHG Green House Gas

ICAP Indirect Cost Allocation Plan

IEOC Inland Empire to Orange County Line

ISTEA Intermodal Surface Transportation Efficiency Act

ITS Intelligent Transportation System

JPA Joint Powers Authority Link Union Station

MAP-21 Moving Ahead for Progress in the 21st Century Act (P.L. 112-141)

Metro Los Angeles County Metropolitan Transportation Authority

MRP Metrolink Infrastructure Rehabilitation Plan

MOC Metrolink Operations Center

MOW Maintenance-of-Way LNG Liquefied Natural Gas

MOU Memorandum of Understanding

MTA Los Angeles County Metropolitan Transportation Authority

OM Ordinary Maintenance

O&M Operations and Maintenance

OCMF Orange County Maintenance Facility
OCTA Orange County Transportation Authority
PA/CMS Public Address/Changeable Message Sign

PDIP Project Delivery Improvement Plan
PERS Public Employees Retirement System

PRESS Passenger Rail Equipment Safety Standards

PTC Positive Train Control RCI Railroad Condition Index

RCTC Riverside County Transportation Commission

ROW Right-of-Way

RTIP Regional Transportation Improvement Program

RTPA Regional Transportation Planning Agency
SBCTA San Bernardino County Transit Authority
SCAG Southern California Associated Governments
SCAQMD South Coast Air Quality Management District
SCORE Southern California Optimized Rail Expansion
SCRRA Southern California Regional Rail Authority

SHA State Highway Account SPRR Southern Pacific Railroad STA State Transit Assistance

STIP State Transportation Improvement Plan

STP Surface Transportation Program
TAC Technical Advisory Committee
TAM Transit Asset Management

TCI Transit Capital Improvement (funds/program)

TDA Transportation Development Act

TEA-21 Transportation Equity Act for the 21st Century

TIP Transportation Improvement program

TPA Third-Party Agreement

TSM Transportation Systems Management

TVM Ticket Vending Machine UP Union Pacific Railroad

VCTC Ventura County Transportation Commission

VMT Vehicle Miles Traveled

## 11.10 Exhibits

**Exhibit 11.1:** FY2019-20 Formulae Used to Allocate Expenses by Member Agency lists the allocation categories and the percentages allocated for each across Member Agencies in the FY2019-20 Budget.

**Exhibit 11.2:** FY2019-20 Formulae Used to Allocate Expenses by Line lists the allocation categories and the percentages allocated for each across the operating rail lines in the FY2019-20 Budget.

Exhibit 11.1 FY2019-20 Formulae Used to Allocate Expenses by Member Agency

|   | METRO   | OCTA    | DCTC    | CDCTA   | VCTC    |  |
|---|---------|---------|---------|---------|---------|--|
| Allocation                                      | METRO   | OCTA    | RCTC    | SBCTA   | VCTC    |  |
| Train Miles Lagged (FY18)                       | 51.75%  | 23.80%  | 9.87%   | 11.41%  | 3.17%   |  |
| FY20 Budget Train Miles (Base Services)         | 53.22%  | 20.89%  | 10.64%  | 11.36%  | 3.89%   |  |
| FY20 Budget Train Miles (All Services)          | 51.22%  | 24.20%  | 10.13%  | 11.33%  | 3.12%   |  |
| Revenue Moves Thru LAUS                         | 63.57%  | 13.92%  | 5.67%   | 13.25%  | 3.59%   |  |
| Unduplicated Stations (Incl Buena Park)         | 44.26%  | 19.67%  | 14.75%  | 13.11%  | 8.20%   |  |
| TVMs (Excl TOMs & Flower St)                    | 42.86%  | 21.80%  | 16.54%  | 12.78%  | 6.02%   |  |
| Ridership Lagged (FY18)                         | 48.66%  | 26.47%  | 9.72%   | 11.56%  | 3.59%   |  |
| Current Ridership w/o IEOC (Transfer Payments)  | 56.35%  | 20.35%  | 6.27%   | 13.33%  | 3.70%   |  |
| FY20 Fare Revenue                               | 49.31%  | 27.24%  | 8.89%   | 11.93%  | 2.63%   |  |
| 75% Train Miles Lagged/25% Unduplicated Station | 49.88%  | 22.77%  | 11.09%  | 11.84%  | 4.42%   |  |
| S.B. Line Trn Miles                             | 58.60%  | 0.00%   | 0.00%   | 41.40%  | 0.00%   |  |
| SB Weekend                                      | 58.60%  | 0.00%   | 0.00%   | 41.40%  | 0.00%   |  |
| S.B. Incremental (100% SBCTA)                   | 0.00%   | 0.00%   | 0.00%   | 100.00% | 0.00%   |  |
| Ven Line Trn Miles                              | 63.79%  | 1.72%   | 0.73%   | 1.03%   | 32.73%  |  |
| A.V. Line Trn Miles (combine wk and we)         | 100.00% | 0.00%   | 0.00%   | 0.00%   | 0.00%   |  |
| Riv Line Trn Miles                              | 60.32%  | 0.00%   | 23.40%  | 16.28%  | 0.00%   |  |
| O.C. Line Trn Miles (combine wk and we)         | 30.24%  | 69.76%  | 0.00%   | 0.00%   | 0.00%   |  |
| O.C. Line Trn Miles - Incremental (100% OCTA)   | 0.00%   | 100.00% | 0.00%   | 0.00%   | 0.00%   |  |
| OC MSEP   | 0.00%   | 100.00% | 0.00%   | 0.00%   | 0.00%   |  |
| IEOC Line Trn Miles                             | 0.00%   | 62.51%  | 31.70%  | 5.79%   | 0.00%   |  |
| 91 Line Trn Miles                               | 25.81%  | 24.73%  | 49.06%  | 0.40%   | 0.00%   |  |
| Route Miles Dispatched                          | 59.12%  | 17.76%  | 7.80%   | 9.80%   | 5.52%   |  |
| All-Share (MoW)                                 | 47.50%  | 19.80%  | 11.10%  | 14.40%  | 7.20%   |  |
| All-Share (MoW) w/o IEOC/MSEP                   | 47.50%  | 19.80%  | 11.10%  | 14.40%  | 7.20%   |  |
| Route Miles Owned (MoW Storm Damage)            | 58.58%  | 14.30%  | 9.53%   | 10.66%  | 6.93%   |  |
| Undup Route Miles (Excl S.D.)                   | 47.44%  | 17.23%  | 14.88%  | 10.50%  | 9.95%   |  |
|   |         |         |         |         |         |  |
| MTA Train Miles                                 | 100.00% | 0.00%   | 0.00%   | 0.00%   | 0.00%   |  |
| OCTA Train Miles                                | 0.00%   | 100.00% | 0.00%   | 0.00%   | 0.00%   |  |
| RCTC Train Miles                                | 0.00%   | 0.00%   | 100.00% | 0.00%   | 0.00%   |  |
| SBCTA Train Miles                               | 0.00%   | 0.00%   | 0.00%   | 100.00% | 0.00%   |  |
| VCTC Train Miles                                | 0.00%   | 0.00%   | 0.00%   | 0.00%   | 100.00% |  |

Exhibit 11.2 FY2019-20 Formulae Used to Allocate Expenses by Line

|   | San        |         | Antelope |           | Orange  |         |         |         |
|---|------------|---------|----------|-----------|---------|---------|---------|---------|
| Allocation                                  | Bernardino | Ventura | Valley   | Riverside | County  | OC MSEP | IEOC    | 91/PVL  |
| Train Miles Lagged (FY18)                   | 23.49%     | 8.74%   | 21.46%   | 7.03%     | 15.80%  | 3.22%   | 12.13%  | 8.14%   |
| FY20 Budget Train Miles (Base Services)     | 22.13%     | 11.87%  | 20.58%   | 8.20%     | 15.32%  | 0.00%   | 12.12%  | 9.78%   |
| FY20 Budget Train Miles (All Services)      | 23.06%     | 8.59%   | 20.76%   | 6.62%     | 17.40%  | 2.40%   | 11.57%  | 9.60%   |
| Revenue Moves Thru LAUS                     | 30.28%     | 12.31%  | 21.42%   | 8.62%     | 18.89%  | 0.00%   | 0.00%   | 8.48%   |
| Unduplicated Stations (Incl Buena Park)     | 19.95%     | 16.67%  | 16.67%   | 9.00%     | 10.11%  | 4.10%   | 11.48%  | 12.02%  |
| TVMs (Excl TOMs & Flower St)                | 18.55%     | 14.04%  | 16.29%   | 9.65%     | 10.40%  | 4.25%   | 14.16%  | 12.66%  |
| Ridership Lagged (FY18)                     | 23.21%     | 9.30%   | 15.45%   | 8.63%     | 23.03%  | 1.07%   | 11.71%  | 7.60%   |
| Current Ridership w/o IEOC (Transfer Payme  | 28.59%     | 10.20%  | 17.90%   | 8.99%     | 26.18%  | 0.00%   | 0.00%   | 8.14%   |
| FY20 Fare Revenue                           | 21.81%     | 7.42%   | 14.96%   | 10.20%    | 28.14%  | 0.47%   | 9.06%   | 7.94%   |
| 75% Train Miles Lagged/25% Unduplicated S   | 22.60%     | 10.72%  | 20.26%   | 7.52%     | 14.38%  | 3.44%   | 11.96%  | 9.12%   |
| S.B. Line Trn Miles                         | 100.00%    | 0.00%   | 0.00%    | 0.00%     | 0.00%   | 0.00%   | 0.00%   | 0.00%   |
| SB Weekend                                  | 100.00%    | 0.00%   | 0.00%    | 0.00%     | 0.00%   | 0.00%   | 0.00%   | 0.00%   |
| S.B. Incremental (100% SBCTA)               | 100.00%    | 0.00%   | 0.00%    | 0.00%     | 0.00%   | 0.00%   | 0.00%   | 0.00%   |
| Ven Line Trn Miles                          | 0.00%      | 100.00% | 0.00%    | 0.00%     | 0.00%   | 0.00%   | 0.00%   | 0.00%   |
| A.V. Line Trn Miles (combine wk and we)     | 0.00%      | 0.00%   | 100.00%  | 0.00%     | 0.00%   | 0.00%   | 0.00%   | 0.00%   |
| Riv Line Trn Miles                          | 0.00%      | 0.00%   | 0.00%    | 100.00%   | 0.00%   | 0.00%   | 0.00%   | 0.00%   |
| O.C. Line Trn Miles (combine wk and we)     | 0.00%      | 0.00%   | 0.00%    | 0.00%     | 100.00% | 0.00%   | 0.00%   | 0.00%   |
| O.C. Line Trn Miles - Incremental (100% OCT | 0.00%      | 0.00%   | 0.00%    | 0.00%     | 100.00% | 0.00%   | 0.00%   | 0.00%   |
| OC MSEP                                     | 0.00%      | 0.00%   | 0.00%    | 0.00%     | 0.00%   | 100.00% | 0.00%   | 0.00%   |
| IEOC Line Trn Miles                         | 0.00%      | 0.00%   | 0.00%    | 0.00%     | 0.00%   | 0.00%   | 100.00% | 0.00%   |
| 91 Line Trn Miles                           | 0.00%      | 0.00%   | 0.00%    | 0.00%     | 0.00%   | 0.00%   | 0.00%   | 100.00% |
| Route Miles Dispatched                      | 29.25%     | 15.30%  | 26.40%   | 2.07%     | 6.48%   | 5.66%   | 6.44%   | 8.40%   |
| All-Share (MoW)                             | 21.94%     | 15.10%  | 15.90%   | 13.84%    | 16.85%  | 0.00%   | 13.43%  | 2.94%   |
| All-Share (MoW) w/o IEOC/MSEP               | 25.34%     | 17.44%  | 18.37%   | 15.98%    | 19.47%  | 0.00%   | 0.00%   | 3.40%   |
| Route Miles Owned (MoW Storm Damage)        | 25.54%     | 18.66%  | 31.65%   | 0.65%     | 4.86%   | 4.80%   | 4.76%   | 9.08%   |
| Undup Route Miles (Excl S.D.)               | 14.59%     | 16.62%  | 18.06%   | 14.98%    | 7.70%   | 2.74%   | 11.32%  | 13.99%  |
|   |            |         |          |           |         |         |         |         |
| MTA Train Miles                             | 24.36%     | 14.23%  | 38.68%   | 9.29%     | 8.70%   | 0.00%   | 0.00%   | 4.74%   |
| OCTA Train Miles                            | 0.00%      | 0.98%   | 0.00%    | 0.00%     | 51.17%  | 0.00%   | 36.28%  | 11.58%  |
| RCTC Train Miles                            | 0.00%      | 0.81%   | 0.00%    | 18.03%    | 0.00%   | 0.00%   | 36.10%  | 45.06%  |
| SBCTA Train Miles                           | 80.65%     | 1.08%   | 0.00%    | 11.75%    | 0.00%   | 0.00%   | 6.18%   | 0.34%   |
| VCTC Train Miles                            | 0.00%      | 100.00% | 0.00%    | 0.00%     | 0.00%   | 0.00%   | 0.00%   | 0.00%   |







SOUTHERN CALIFORNIA REGIONAL RAIL AUTHORITY