



Connecting Our Community.

OPERATIONS AND SAFETY COMMITTEE

WEDNESDAY, AUGUST 28, 2019, 9:00 A.M.

OMNITRANS METRO FACILITY

1700 WEST 5TH STREET

SAN BERNARDINO, CA 92411

The meeting facility is accessible to persons with disabilities. If assistive listening devices or other auxiliary aids or Limited English Proficiency services are needed in order to participate in the public meeting, requests should be made through the Recording Secretary at least three (3) business days prior to the Committee Meeting. The Recording Secretary's telephone number is 909-379-7110 (voice) or 909-384-9351 (TTY), located at 1700 West Fifth Street, San Bernardino, California. If you have comments about items on the agenda or other general concerns and are not able to attend the meeting, please mail them to Omnitrans at 1700 West Fifth Street, San Bernardino, California, Attention Board Secretary. Comments may also be submitted by email to BoardSecretary@omnitrans.org.

A. CALL TO ORDER

1. Pledge of Allegiance
2. Roll Call

B. ANNOUNCEMENTS/PRESENTATIONS

1. Next Committee Meeting: Wednesday, November 27, 2019

C. COMMUNICATIONS FROM THE PUBLIC

This is the time and place for the general public to address the Board for items that are not on the agenda. In accordance with rules applicable to meetings of the Operations and Safety Committee, comments on items not on the agenda and on items on the agenda are to be limited to a total of three (3) minutes per individual.

D. POSSIBLE CONFLICT OF INTEREST ISSUES

Disclosure – Note agenda items contractors, subcontractors and agents, which may require member abstentions due to conflict of interest and financial interests. Board Member abstentions shall be stated under this item for recordation in the appropriate item.

E. DISCUSSION ITEMS

1. Approve Operations and Safety Committee Minutes – February 27, 2019 2
2. Receive and Forward to the Board of Directors, Update on Redlands Passenger Rail Project – *Trischelle Baysden* 5
3. Receive and Forward to the Board of Directors, Overview of Public Transportation Agency Safety Plan (PTASP) – *Shawn Brophy* 16
4. Receive and File Update on Safety and Security Outreach Campaign – *Shawn Brophy* 26
5. Receive and Forward to the Board of Directors, Informational Update on the Omnitrans/SBCTA Ad Hoc Committee – *Jeremiah Bryant* 31

F. ADJOURNMENT

**OPERATIONS AND SAFETY COMMITTEE
MINUTES
FEBRUARY 27, 2019**

A. CALL TO ORDER

The Operations and Safety Committee Meeting was called to order by Committee Chair John Roberts at 9:06 a.m., Wednesday, February 27, 2019.

1. Pledge of Allegiance
2. Roll Call

Committee Members Present

Council Member John Roberts, City of Fontana – Committee Chair
Mayor Pro Tem David Avila, City of Yucaipa
Council Member Ron Dailey, City of Loma Linda
Council Member Sam Spagnolo, City of Rancho Cucamonga

Committee Members Not Present

Council Member Alan Wapner, City of Ontario
Supervisor Josie Gonzales, County of San Bernardino

Omnitrans Administrative Staff Present

P. Scott Graham, CEO/General Manager
Erin Rogers, Deputy General Manager
Shawn Brophy, Director of Operations
Jacob Harms, Director of Information Technology
Suzanne Pfeiffer, Director of Human Resources
Connie Raya, Director of Maintenance
Douglas Stanley, Director of Special Transportation Services
Don Walker, Director of Finance
Wendy Williams, Director of Marketing & Planning
Jeremiah Bryant, Service Planning Manager
Omar Bryant, Maintenance Manager
Adrienne Fernandez, Executive Staff Assistant
Eugenia Pinheiro, Contracts Manager
Loretta Rains, Rail Safety & Compliance Manager

B. ANNOUNCEMENTS/PRESENTATIONS

There were no announcements.

C. COMMUNICATION FROM THE PUBLIC

There were no communications from the public.

D. POSSIBLE CONFLICT OF INTEREST ISSUES

There were no Conflict of Interest Issues identified.

E. DISCUSSION ITEMS

1. Approve Operations and Safety Committee Meeting Minutes – November 28, 2018

M/S (Dailey/Avila) that approved the Committee Minutes of November 28, 2018. Motion was passed unanimously by Members present.

2. Receive and Forward to the Board of Directors, Zero Emission Bus Regulation and Roll-Out Plan

Maintenance Manager, Omar Bryant, provided a brief background on this item as detailed in the staff report.

The Committee engaged in a discussion regarding the potential challenges Southern California Edison could face with meeting the infrastructure demands as agencies move towards electrification.

Member Dailey had questions regarding in-route versus depot charging methods. Mr. Bryant provided additional information about the different charging options.

Member Roberts mentioned an advanced charging technology where the battery would be re-charged via a robotic charging station.

M/S (Avila/Spagnolo) that received and forwarded this item to the Board of Directors. Motion was passed unanimously by Members present.

3. Receive and Forward to the Board of Directors, Redlands Passenger Rail Project (RPRP) Update

Rail Safety & Compliance Manager, Loretta Rains, provided a brief background on this item as detailed in the staff report.

Member Spagnolo recognized the staff's effort with moving this project forward.

Ms. Rains noted that the San Bernardino County Transportation Authority is looking at alternative propulsion systems for the future such as electric and hydrogen. Member Dailey suggested that the budgetary constraints be kept in mind.

M/S (Avila/Dailey) that received and forwarded this item to the Board of Directors. Motion was passed unanimously by Members present.

The Committee received and forwarded this report to the Board of Directors.

F. BOARD BUSINESS

There was no closed session.

G. ADJOURNMENT

The Operations and Safety Committee adjourned at 9:39 a.m. The next Committee Meeting is scheduled Wednesday May 22, 2019, at 9:00 a.m., with location posted on the Omnitrans website and at Omnitrans' San Bernardino Metro Facility.

Prepared by:

Araceli Barajas, Sr. Executive Asst. to the CEO
Clerk of the Board

ITEM # E2

DATE: August 28, 2019

TO: Committee Chair John Roberts and
Members of the Operations & Safety Committee

THROUGH: P. Scott Graham, CEO/General Manager

FROM: Trischelle Baysden, Director of Rail

SUBJECT: REDLANDS PASSENGER RAIL PROJECT UPDATE

FORM MOTION

Receive and forward to the Board of Directors an update on the Redlands Passenger Rail Project (RPRP).

BACKGROUND

Omnitrans partners with the San Bernardino County Transportation Authority (SBCTA) and Southern California Rail Authority (SCRRA) staff via monthly coordination meetings to prepare for the operation of service for the Redlands Passenger Rail Project (Arrow Service). Since 2009, Omnitrans and SBCTA have fostered this working relationship to plan, design and expand rail operations into the Redlands area. Arrow Service will provide a safe and reliable travel alternative for the communities along the corridor including San Bernardino, Loma Linda, Redlands and surrounding areas.

Communications and Outreach

A groundbreaking event for the Redlands Passenger Rail Project was held at the Redlands Depot on July 19th with speakers from SBCTA, Omnitrans, Metrolink, as well as California State Transportation Agency Undersecretary Elissa Konove and Congressman Pete Aguilar.

As part of the on-going public communications and outreach efforts for the project, SBCTA sends email updates regarding construction activities.

Mainline Construction

Notice to Proceed was given to Flatiron Construction on June 20th to begin mainline construction. From California St. to Texas St., crews will be removing track and performing other various activities on the rail corridor during the week of August 19th.

Arrow Maintenance Facility

The contract for the construction of the Arrow Maintenance Facility was awarded to Granite Construction on June 5th. A pre-construction meeting was held at SBCTA on August 5th. Construction is scheduled to begin September 5th. The latest estimate for completion of the facility is January 2021.

Vehicles- Diesel Multiple Units (DMU's)

The Rail vehicle delivery schedule will be adjusted to coincide with the completion of the maintenance facility. The latest update estimates that the first vehicle will be delivered in November 2020, the second vehicle in December 2020, and the third vehicle in January 2021. A meeting was held at the Stadler facility in Utah from August 5-7 to discuss and ensure that PTC equipment for the vehicles is in place for installation. The DMU trucks will be inspected in September and the bodies will be inspected in early November of this year.

Operations & Maintenance Contract

Omnitrans staff has been working to develop the Request for Proposal for Arrow Operations and Maintenance of Equipment. Upon Board approval, the expected release of the Operations and Maintenance (O&M) RFP is scheduled for February 2020. Pre-proposal conferences are scheduled in March 2020. Proposals will be due in June 2020. Face-to-face interviews, along with presentations, are scheduled for July 2020. With Board approval, the Notice to Proceed for the O&M Contract should be awarded in October 2020.

Three Party Agreement

The Agreement between Omnitrans, SCRRA and SBCTA Operations and Maintenance (#17-1001641), which details the roles and responsibilities of each party, was fully executed in the month of May 2019.

Federal Transit Administration Update

In March 2019, the FTA Project Management Oversight Committee (PMOC) was established for the RPRP. Monthly meetings are coordinated between Omnitrans, SBCTA, and the FTA to review progress on the project. The latest meeting was held on August 23rd, along with a tour of the alignment. On August 13th, notification was received from the FTA stating that the RPRP Project Management Plan (PMP) and its subplans successfully met the requirements for the TIGER Grant Award.

CONCLUSION

Receive and forward to the Board of Directors an update on the Redlands Passenger Rail Project.

PSG: VTB

Attachments: Power Point Presentation



Redlands Passenger Rail Service Project Update

Operations and Safety Committee

August 28, 2019

- **Communications and Outreach**
- **Mainline Construction**
- **Arrow Maintenance Facility**
- **Arrow DMU's**
- **Milestones**





Groundbreaking was July 19, 2019 at Redlands Depot

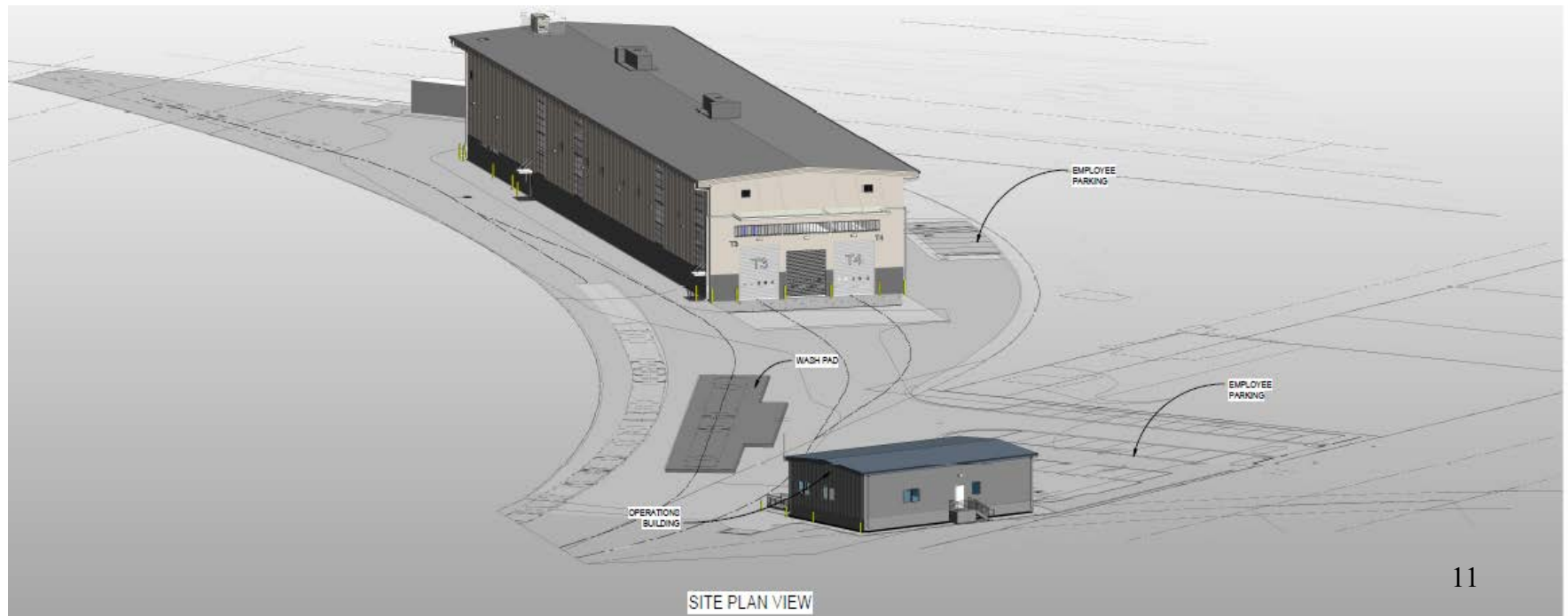
Construction update 8/19-23:

- Potholing Central Ave. to Sierra Way
- Underground work at Richardson St.



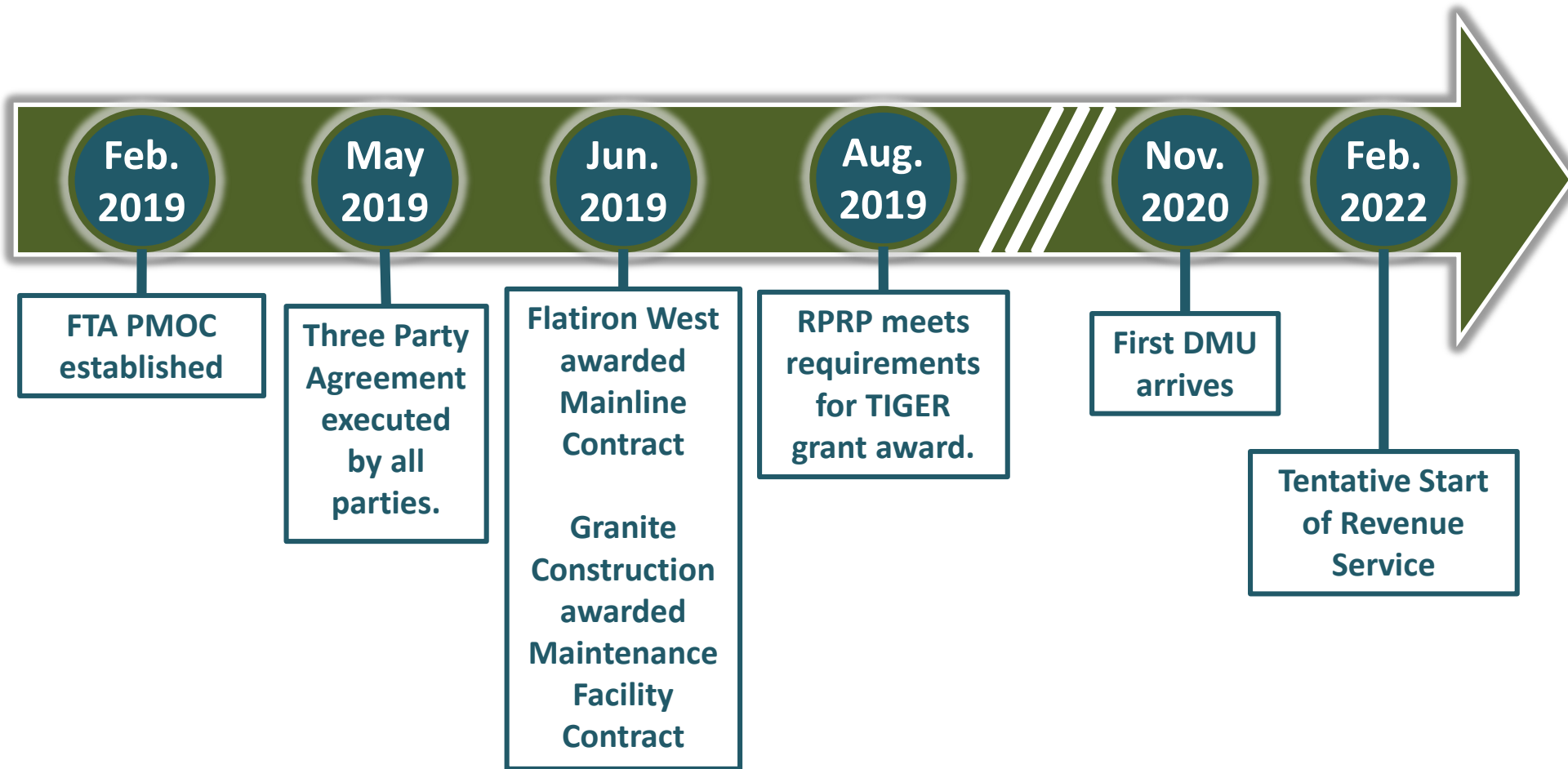
- **NTP given to Flatiron Construction on June 20, 2019**
- **Currently, Crews are removing track and related tasks on the rail corridor between California St. and Texas St.**
- **Revenue Service scheduled for February 2022**

- Contract awarded to Granite Construction on June 5th
- Pre-construction meeting was held on August 5th
- Construction scheduled to begin September 5th
- Estimated completion January 2021



- **Stadler is manufacturer of Diesel Multiple Units (DMU's)**
 - SBCTA awarded Stadler contract In 2016
- **OmniTrans, SBCTA and Stadler hold weekly and monthly meetings**
 - August meeting focused on Positive Train Control (PTC) requirements and equipment
- **DMU trucks and train bodies will be inspected over the next few months**
- **First scheduled vehicle delivery is November 2020**







Questions?



1700 W. Fifth St.
San Bernardino, CA 92411
909-379-7100
www.omnitrans.org

ITEM # E3

DATE: August 28, 2019

TO: Committee Chair John Roberts and
Members of the Operations and Safety Committee

THROUGH: P. Scott Graham, CEO/General Manager

FROM: Shawn Brophy, Director of Operations

**SUBJECT: OVERVIEW OF PUBLIC TRANSPORTATION AGENCY SAFETY
PLAN**

FORM MOTION

Receive and forward to the Board of Directors an overview of the Public Transportation Agency Safety Plan (PTASP).

BACKGROUND

On July 19, 2018, the Federal Transportation Authority (FTA) published the PTASP Final Rule, which requires certain operators of public transportation systems, that receive federal funds under FTA's Urbanized Area Formula Grants, to develop safety plans that include the processes and procedures to implement Safety Management Systems (SMS). Transit agencies are obligated to certify an agency safety plan by July 20, 2020.

CONCLUSION

Receive and forward to the Board of Directors overview of the Public Transportation Agency Safety Plan.

PSG: SB

Attachment: Power Point Presentation



PUBLIC TRANSPORTATION AGENCY SAFETY PLAN OVERVIEW

Operations and Safety Committee

August 28, 2019

- FTA published the Public Transportation Agency Safety Plan (PTASP) Final Rule in July 2018
- PTASP Rule requires Transit Agencies to develop safety plans that include Safety Management Systems (SMS) in processes and procedures
- Plan certified by July 2020

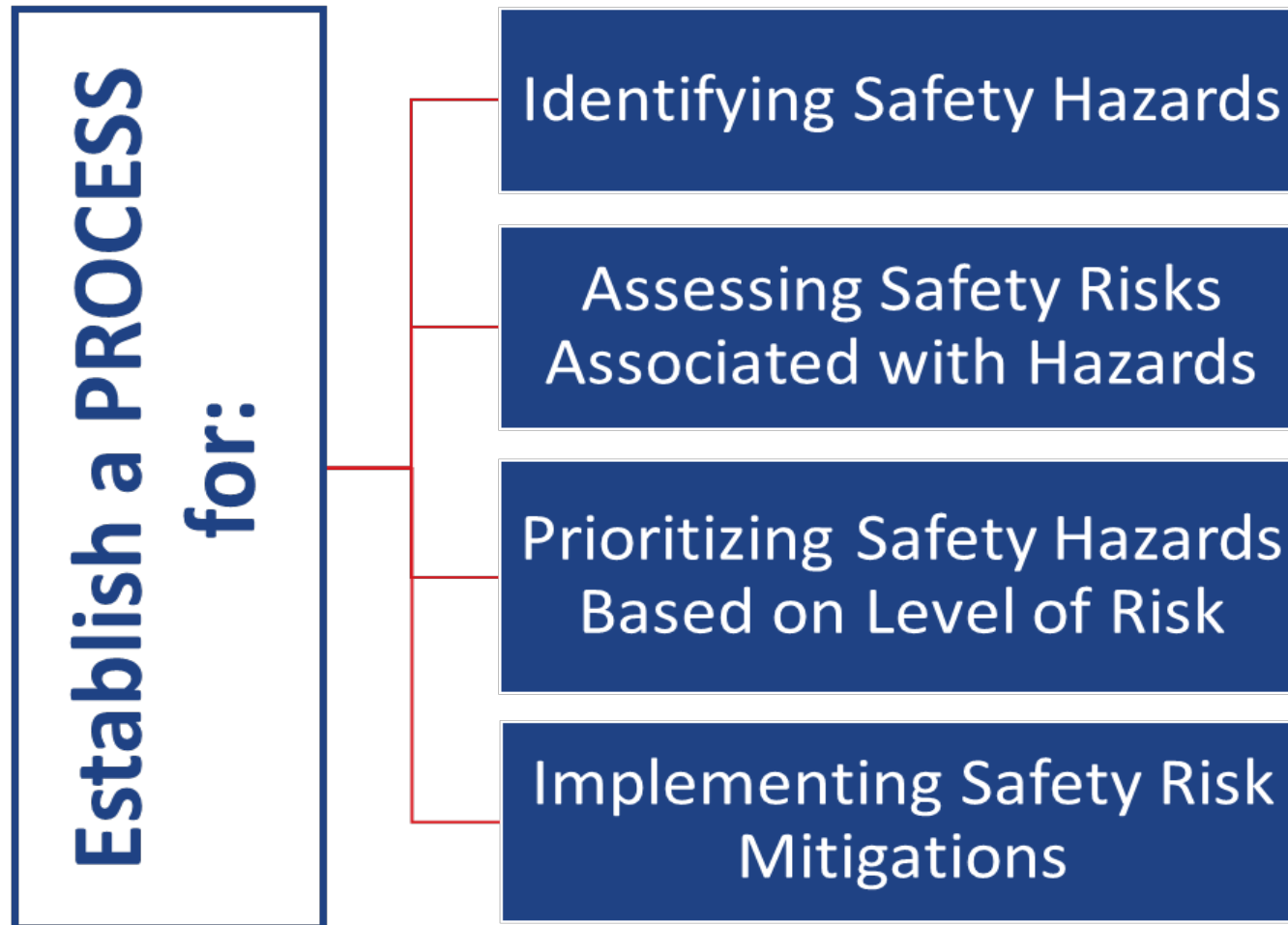


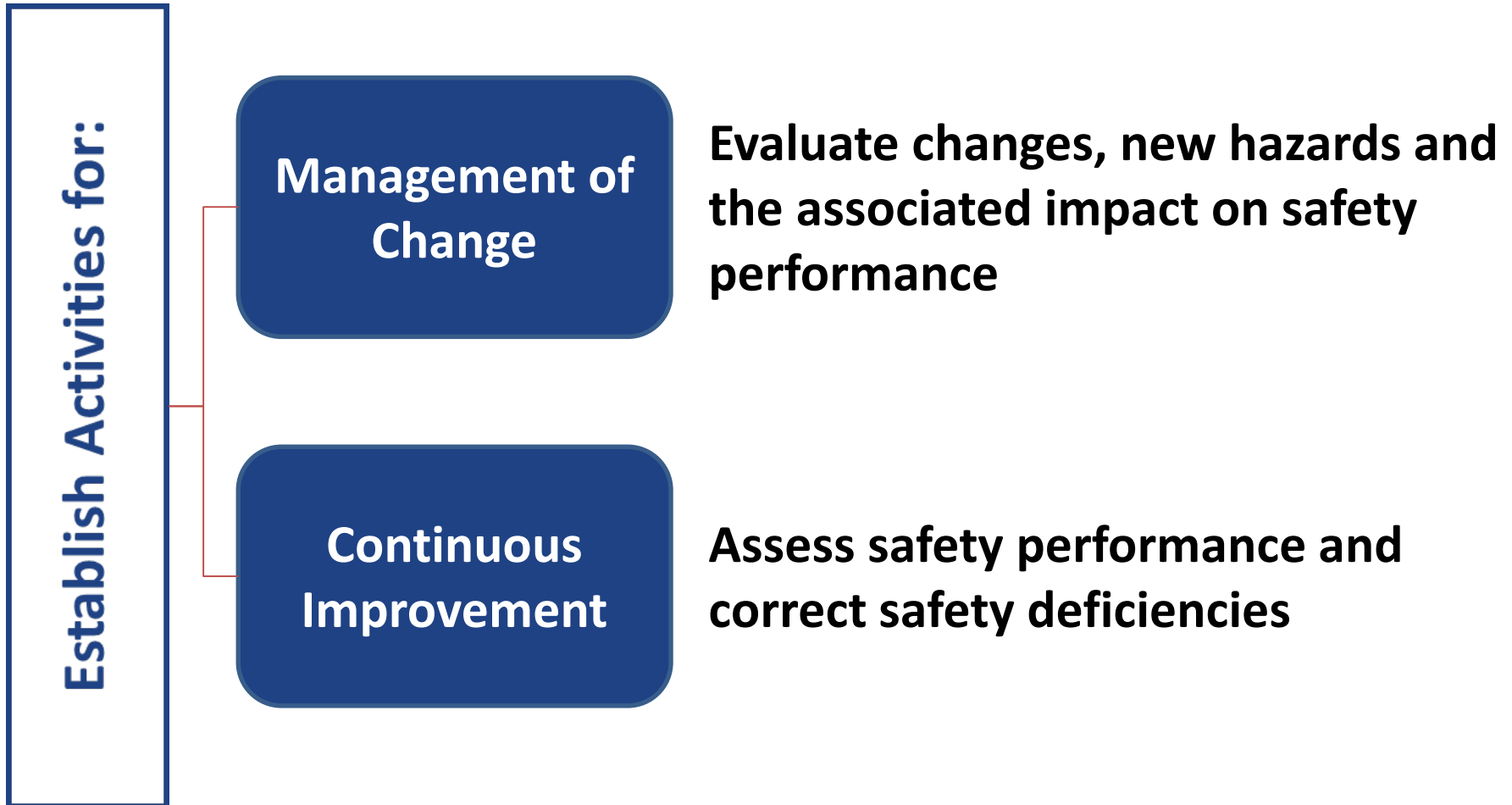
- Approved by Accountable Executive and Board of Directors
- Annual Review/Update and Certification
- Compliance with Public Transportation Safety Program/National Safety Plan
- Must Assign Chief Safety Officer that has a direct line to CEO/GM
- Implement an Employee Reporting System (ERS).

- Safety Management System (SMS) is the foundation of PTASP
- SMS has four pillars:
 1. Safety Management Policy
 2. Safety Risk Management
 3. Safety Assurance
 4. Safety Promotion









Safety Training

Comprehensive: for agency employees/contractors directly responsible for safety

Agency Communication

Communicate agency's safety policies, safety performance throughout the agency



Questions?



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ITEM # E4

DATE: August 28, 2019
TO: Committee Chair John Roberts and
Members of the Operations and Safety Committee
THROUGH: P. Scott Graham, CEO/General Manager
FROM: Shawn Brophy, Director of Operations
SUBJECT: SAFETY AND SECURITY OUTREACH CAMPAIGN UPDATE

FORM MOTION

Receive and file update on the Safety and Security Outreach Campaign.

BACKGROUND

Staff has implemented a Safety and Security Outreach Campaign and has met with several local law enforcement agencies to collaborate on countywide safety and security issues. The purpose of these meetings is to communicate Omnitrans’ safety and security capabilities, resources, security concerns and to determine potential partnering opportunities. To date, staff has met with agencies from cities, county, and educational institutions.

In an effort to maximize efficiencies in processes and cost savings, we are reducing the hours of segments of the Security contract with Platinum. Monitors for the video surveillance system have been mounted in the dispatch area and video feeds from the sbX stations have been connected to the San Bernardino Transit Center (SBTC) security office. This will enable us to reduce security manpower, as these services will be provided by operations personnel and other security personnel located at the SBTC. Additionally, services for the Bus Rapid Transit (BRT) roaming security are being reduced by half. After a review of the security data, it was determined that there were no longer need for the additional service. The hours have been modified to ensure coverage during the times that incidents have trended. The cost savings for this efficiency measure is estimated to be \$300,000 annually.

CONCLUSION

Receive and file update on the Safety and Security Outreach Campaign.

PSG: SB

Attachment: Power Point Presentation



Safety and Security Outreach Campaign Update

**Operations and Safety Committee
August 28, 2019**

- **Law Enforcement Outreach:**

- Met with 20 agencies from cities, county, schools and colleges
- Reviewed Omnitrans security and emergency preparedness capabilities
- Offered more outreach opportunities
- Key Topics:
 - CCTVs at Facilities, SBTC, sbX Stations and Buses
 - Emergency Operations Capabilities
 - Bus Training for Law Enforcement



- **Completed Meetings**

- **School Police**

- California State University San Bernardino
- Chaffey College
- San Bernardino City Unified School District
- VA-Loma Linda Healthcare System

- **City Law Enforcement**

- Chino Hills Police Department*
- Colton Police Department
- Fontana Police Department
- Fontana Station - Sheriff's Department
- Grand Terrace Police Department*
- Highland Police Department *
- Loma Linda Police Department*
- Montclair Police Department
- Ontario Police Department
- Rancho Cucamonga Police Department*
- Redlands Police Department
- Rialto Police Department
- San Bernardino Police Department
- Upland Police Department
- Yucaipa Police Department*



* Contract with San Bernardino County Sheriff's Department



Questions?

ITEM # E5

DATE: August 28, 2019

TO: Committee Chair John Roberts and
Members of the Operations and Safety Committee

FROM: P. Scott Graham, CEO/General Manager

SUBJECT: UPDATE ON OMNITRANS/SBCTA AD HOC COMMITTEE

FORM MOTION

Receive and file an informational update on the Omnitrans/SBCTA Ad Hoc Committee.

This item was reviewed by the Executive Committee at its August 2, 2019 meeting.

This item was reviewed by the Administrative and Finance Committee at its August 15, 2019 meeting.

BACKGROUND

In May 2018, Omnitrans staff alerted the Board of Directors of the potential for a long-term operating deficit in a Financial White Paper. The White Paper was developed after receipt of the Fiscal Year (FY) 2018-2027 revenue forecast from SBCTA. The level of Omnitrans Local Transportation Fund allocation from SBCTA was capped at a 3 percent growth rate between 2014 and 2020. The updated revenue forecast continued the 3 percent growth rate through FY 2027.

The purpose of the White Paper was to inform the Board that based on this forecast, Omnitrans' budget would be balanced for FY 2018-2019 however, beginning in FY 2021 there would be an operating deficit as estimated cost growth would exceed projected revenue growth. In addition, the operating deficit would be further compounded by a capital deficit due to the newly enacted electric bus regulations.

In February 2019, the Board of Directors was presented an Updated Financial Forecast which provided the Board with additional information, a high level overview of key issues, and recommended the formation of a joint Omnitrans and SBCTA Ad Hoc Committee to discuss funding alternatives. The Board approved this recommendation and the Ad Hoc Committee was formed. The Ad Hoc Committee is comprised of the Omnitrans Board Chairman, the SBCTA Board President, and two Board Members from each agency.

Two meetings of the Ad Hoc Committee have been held. The last meeting was held on May 30, 2019; Executive staff from both Omnitrans and SBCTA were in attendance. The Ad Hoc Committee gave direction to Omnitrans staff to develop a strategy to align service levels with

forecasted revenues and meet with SBCTA staff to discuss and review prior to the next scheduled meeting of the Ad Hoc Committee.

On July 8, 2019 Omnitrans and SBCTA staff met and discussed the long term operating and capital budget forecasts. The meeting was very productive. Omnitrans provided service level scenarios to address projected operating deficits. Capital costs were modified to support the proposed service levels and to focus on mandates, safety and state of good repair items. SBCTA staff received the service scenario forecasts and planned to evaluate them.

On July 29, Omnitrans and SBCTA staff reconvened to further discuss the budget forecasts after SBCTA reviewed the service scenarios Omnitrans presented at the previous meeting. Omnitrans and SBCTA staff reached a consensus on the strategy that will be presented to the Ad Hoc Committee on August 26, 2019. The strategy includes reducing service levels to better align service with recent ridership trends and available revenue. In addition, SBCTA staff will propose an adjustment in the revenue forecast at the SBCTA Transit Committee meeting in August and the Board of Directors meeting in September. If approved, Omnitrans will be operationally sustainable through 2040. The combination of service level and revenue forecast adjustment addresses the operating and capital budget deficit through the Short-Range Transit Plan Period (FY2021-2025). The capital deficit beyond this period will be addressed through the Countywide Electrification Study currently underway and the Long- Range Transit Plan (LRTP).

An update on the status of the joint Omnitrans and SBCTA recommendation to the Ad Hoc Committee was provided to the Executive Committee meeting on August 2, 2019 and to the Administrative and Finance Committee on August 15, 2019. At the September 4, 2019 Board of Directors meeting, this Committee update will be presented along with an update on any recommendations stemming from the Ad Hoc meeting on August 26, 2019.

Should the recommendation include service reductions as anticipated, initial reductions for consideration will be presented at the October 2019 Plans and Programs Committee and the November 2019 Board of Directors meetings. This will be followed by the required rounds of public meetings and city meetings. Based on input from these meetings recommendations would be refined and presented to the Board for approval as early as January 2020. The full set of recommendations would be presented to the Board for adoption in May 2020 with the FY2021-2025 Short-Range Transit Plan (SRTP) and the Annual FY2020 Service Plan and FY2020 Budget.

CONCLUSION

Receive and file and informational update on the Omnitrans/SBCTA Ad Hoc Committee.

PSG:ER

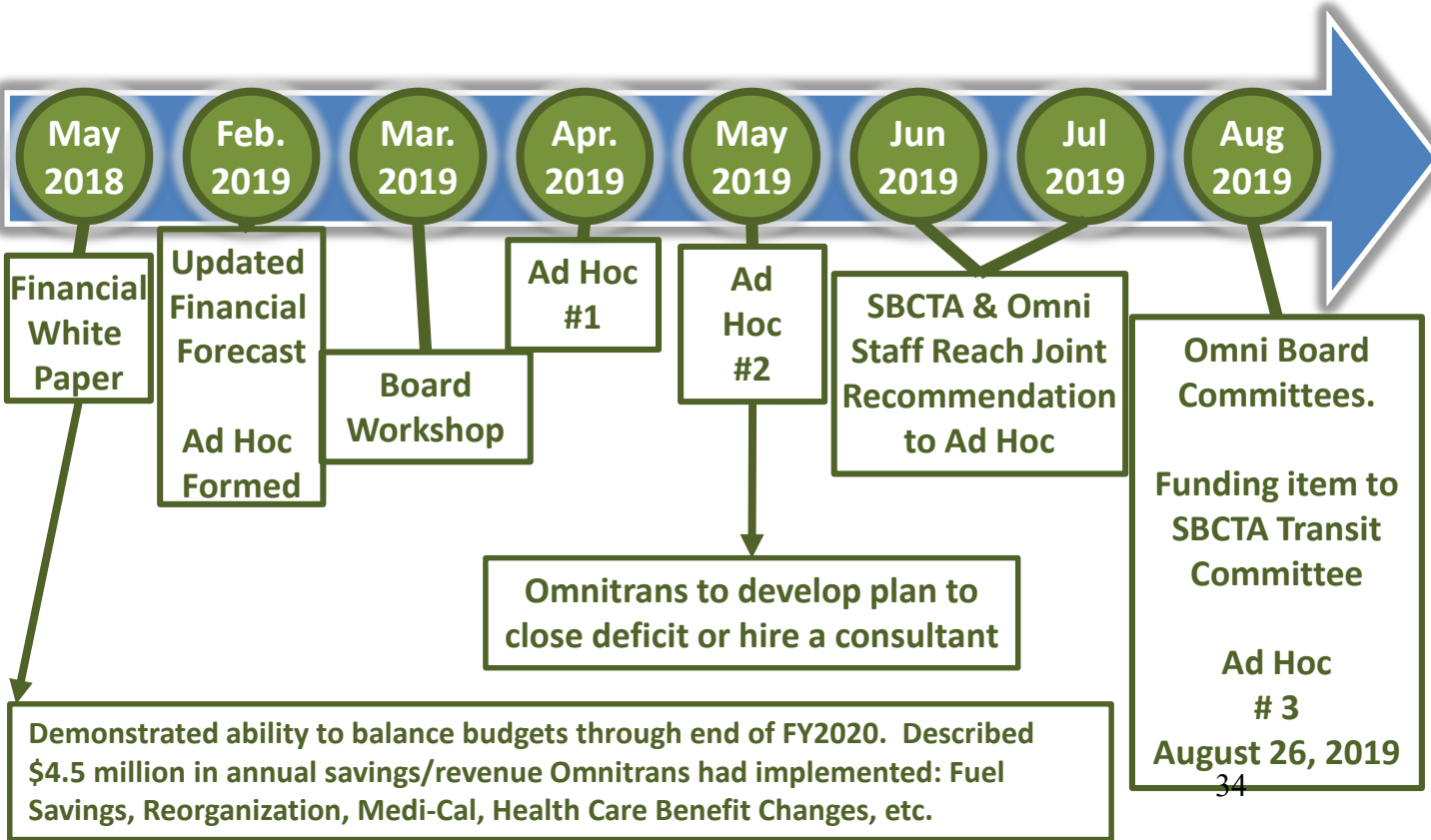
Attachment: PowerPoint Presentation



Update on Omnitrans/SBCTA Ad Hoc Committee

Operations and Safety Committee

August 28, 2019

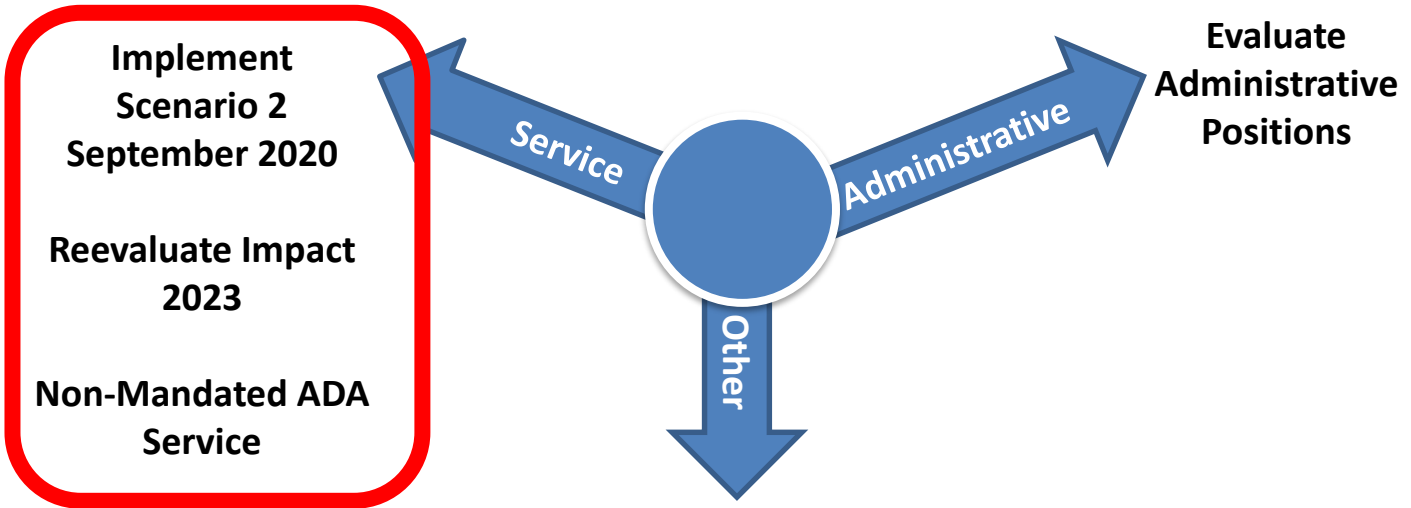


Key Activities during July 2019:

- 2 Executive Staff Level Meetings
- Develop a joint recommendation
 - OmniTrans staff to recommend implementing Scenario 2 service adjustment (11% reduction)
 - Ad Hoc → Board Committees → OmniTrans Board
 - SBCTA staff to recommend allocating additional local and state funding to OmniTrans
 - Transit Committee → SBCTA Board → Ad Hoc

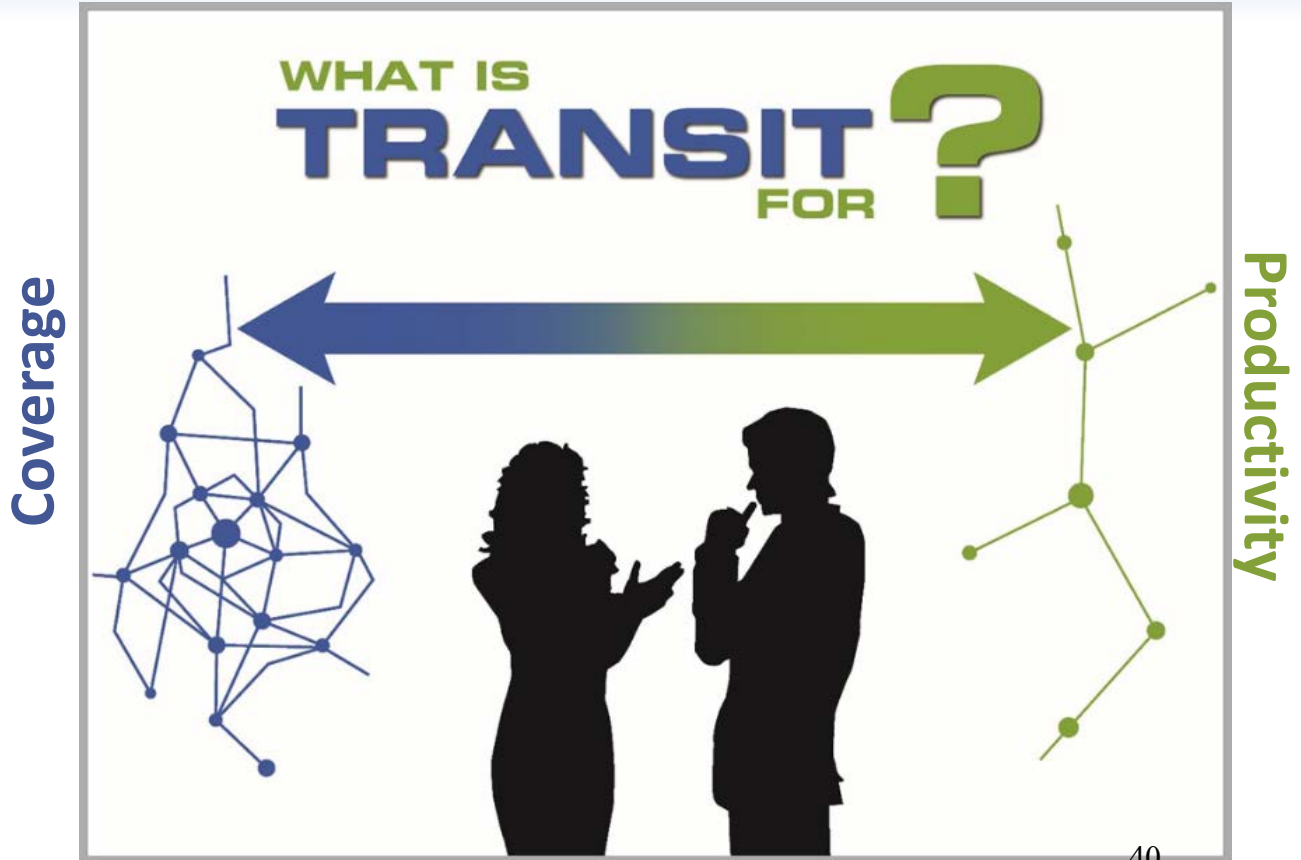
- **If both recommendations implemented, draft outcomes:**
 - Operating budget forecasts balanced through 2040
 - Longer term forecasts to be developed with SBCTA's Long-Range Transit Plan (LRTP)
 - Increased funding availability for capital projects/electric bus mandates
 - Full Electric Bus Strategy to be developed in Countywide Electrification Study
 - Future funding forecasts meet FTA guidelines for WVC grant application

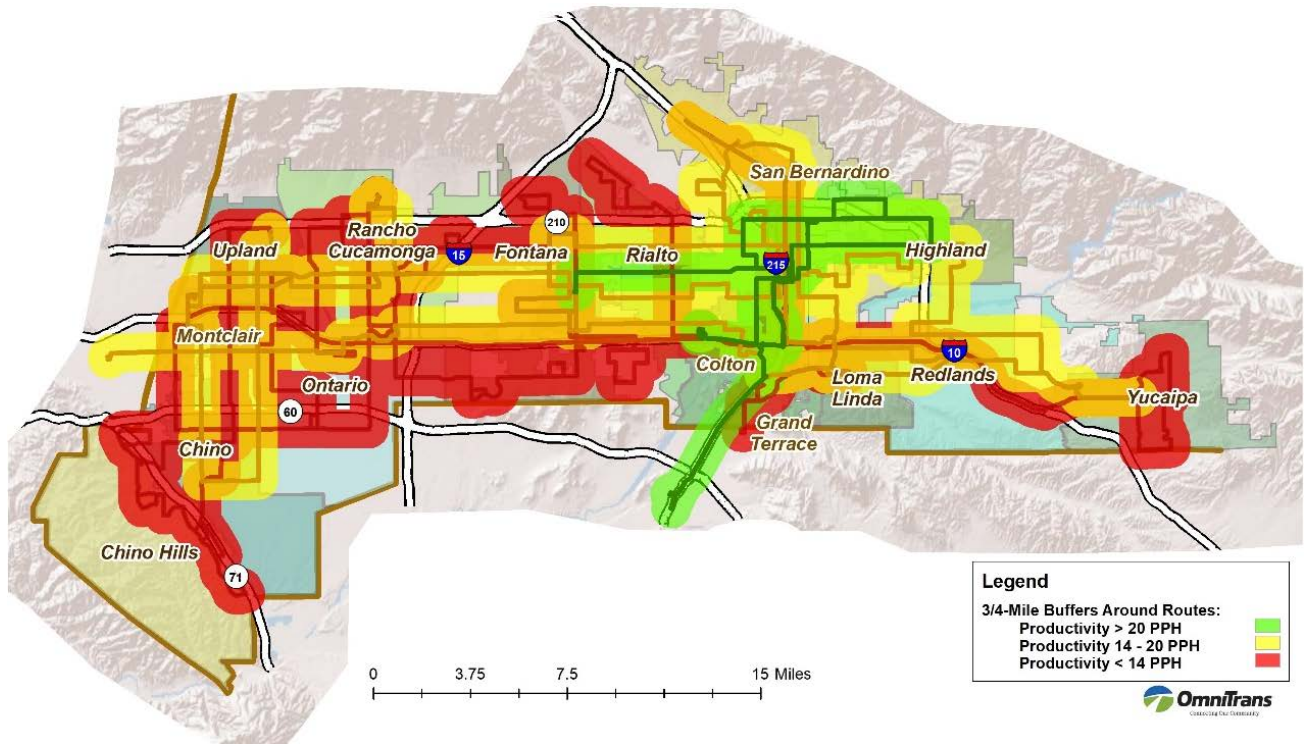
	Scenario 1 (Phase 1)	Scenario 2 (Phase 2)	Scenario 3 (Phase TBD)
Purpose:	Eliminate Average Operating Shortfall 2021-2025	Eliminate Avg. Operating Shortfall 2021-2025 & return 15% of Capital funding to Capital	Eliminate Avg Operating Shortfall 2021-2025 & return 40% of Capital funding to Capital
Annual Op. Cost Reduction	\$2.5 million	\$5.0 million	\$9.3 million
Timing	Implement Phase 1 and Phase 2 by September 2021		
Revenue hour reduction (all service)	35,500 hours (5.5% service cut)	71,000 hours (11% service cut)	133,000 hours*\ (20% service cut)
Estimated Ridership reduction	300,000-400,000 annual riders 2.7%-3.5%	600,000-800,000 annual riders 5.4%-7.2%	1.1-1.4million annual riders 10%-13%
Fare Revenue Reduction	\$400,000 per year	\$800,000 per year	\$1.5 million per year
Vehicles	≈8	≈16	≈29
Employees	TBD	TBD	TBD ³⁷



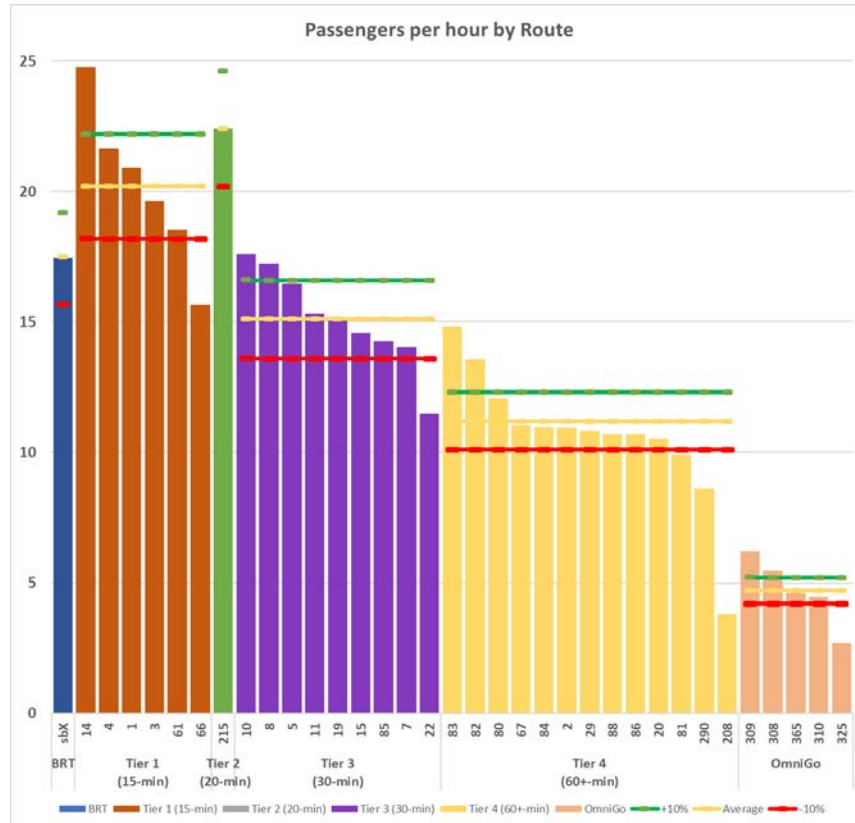
**Contracting more Weekend Service (Smaller Vehicles)
MicroTransit replacing low performing routes
Outcome of the electrification study**

- 1. Minimize Customer Impact**
- 2. Business Approach: Maximizes Efficiency & Productivity**
- 3. Maintain Core Weekday Productive Network**
- 4. Reduce Coverage Area Duplication**
- 5. Provide Only Mandated ADA services**
- 6. Maintain Service Quality**
- 7. Minimize Impact on Employees**





- Ridership normalized by service hours offered
- A key determinate of where to look for service adjustments



Typical Service Reductions Strategies

- 1. Trip Reductions**
- 2. Reduce Frequency**
- 3. Shorten Entire Route**
- 4. Short-Turn Route**
- 5. Eliminate Route**

Each is supported by different data sources

1. Make Selected Trip Reductions

a) Span Reductions

- Hours of operation change
- Schedule begins later and/or ends earlier
- Impact to the earliest and/or latest trip(s) of the day
- Weekdays or weekends

b) Non-Span Reductions

- Eliminate selected individual trips
- Hours of operation are not affected
- Weekdays or weekends

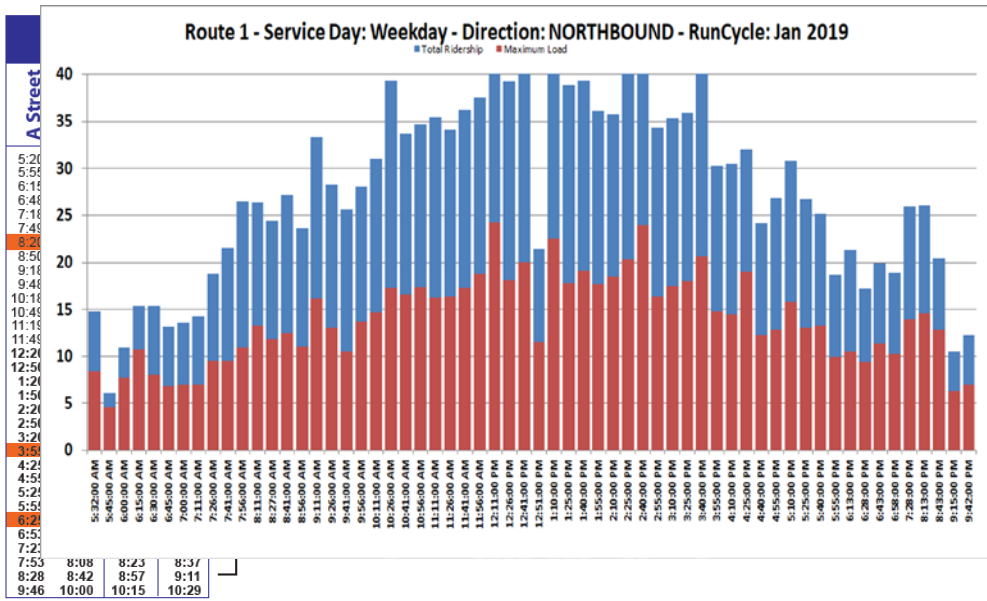
Early trips eliminated

Hours of operation change

Late trips eliminated

Route X			
A Street	Ave. B	C Lane	D Blvd.
5:20	5:34	5:49	6:03
5:55	6:10	6:25	6:43
6:15	6:30	6:45	7:03
6:48	7:04	7:19	7:37
7:18	7:34	7:49	8:07
7:49	8:05	8:20	8:35
8:20	8:38	8:54	9:09
8:50	9:08	9:24	9:39
9:18	9:34	9:50	10:05
9:48	10:04	10:20	10:35
10:18	10:34	10:50	11:05
10:49	11:05	11:21	11:35
11:19	11:35	11:51	12:05
11:49	12:05	12:21	12:35
12:20	12:37	12:54	1:09
12:50	1:07	1:24	1:39
1:20	1:37	1:54	2:09
1:50	2:07	2:24	2:39
2:20	2:37	2:54	3:09
2:50	3:07	3:24	3:39
3:20	3:37	3:54	4:09
3:55	4:12	4:29	4:44
4:25	4:42	4:59	5:14
4:55	5:12	5:29	5:44
5:25	5:42	5:59	6:14
5:55	6:10	6:26	6:40
6:25	6:40	6:56	7:10
6:53	7:08	7:23	7:37
7:23	7:38	7:53	8:07
7:53	8:08	8:23	8:37
8:28	8:42	8:57	9:11
8:46	10:00	10:15	10:29

= Represents an example of eliminated trips



2. Reduce Frequency (Headway Changes)

- Increases time interval between buses
- Increases wait time between buses
- Often reduces number of buses required
- Can make transfers more difficult
- Weekdays or weekends
- Peak or off-peak times*

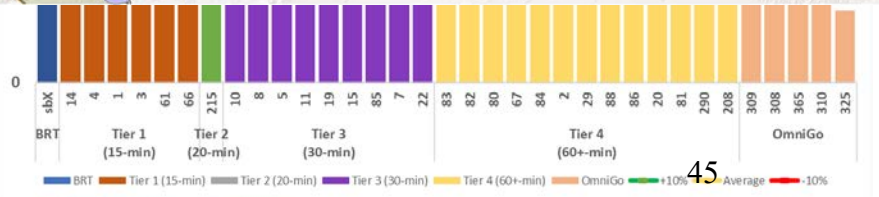
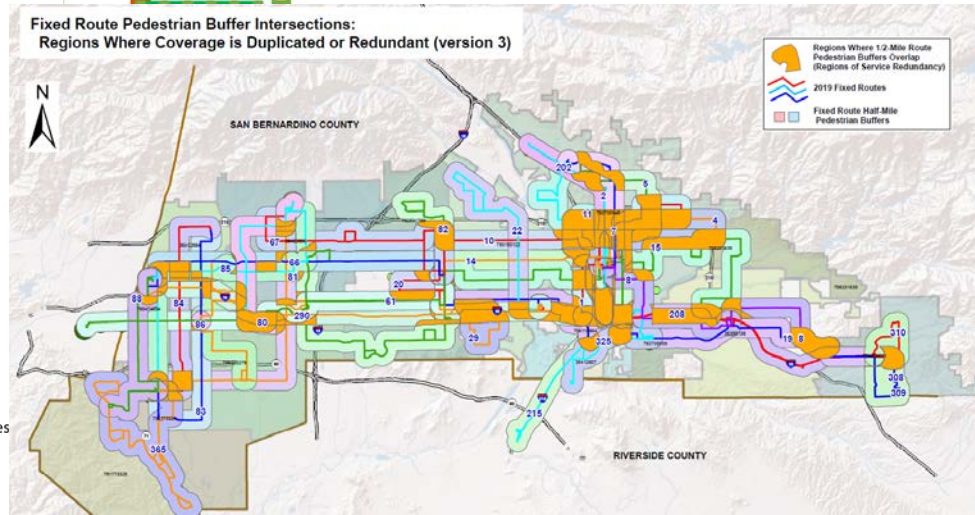
Route X				
	A Street	Ave. B	C Lane	D Blvd.
OFF-PEAK	4:20	4:35	4:49	5:05
	5:15	5:31	5:46	6:00
	6:15	6:30	6:45	7:00
PEAK 8 AM - 9 AM	6:48	7:04	7:19	7:35
	7:18	7:34	7:49	8:07
	8:07	8:23	8:38	8:54
(MIDDAY)	8:50	9:08	9:24	9:39
	9:45	10:00	10:17	10:35
	10:48	11:04	11:20	11:35
OFF-PEAK	11:47	12:02	12:17	12:32
	12:49	1:04	1:19	1:34
	1:49	2:05	2:20	2:35
PEAK 3 PM - 6 PM	2:48	3:03	3:18	3:33
	3:15	3:31	3:46	4:01
	3:46	4:01	4:16	4:30
OFF-PEAK	4:45	5:00	5:15	5:30
	5:17	5:32	5:47	6:02
	6:45	7:00	7:15	7:30
OFF-PEAK	7:17	7:32	7:47	8:02
	8:15	8:31	8:46	9:01
	9:13	9:38	9:53	10:08
	10:15	10:31	10:45	11:00

Reduced frequency increases wait time between buses

For example, service runs every 30 minutes during peak hours, and every 60 minutes during midday off-peak hours.

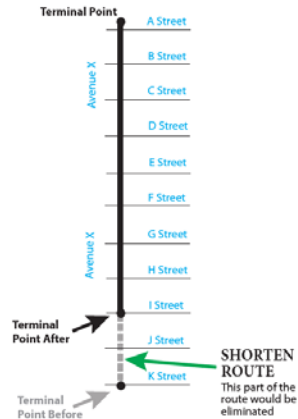


Fixed Route Pedestrian Buffer Intersections: Regions Where Coverage is Duplicated or Redundant (version 3)



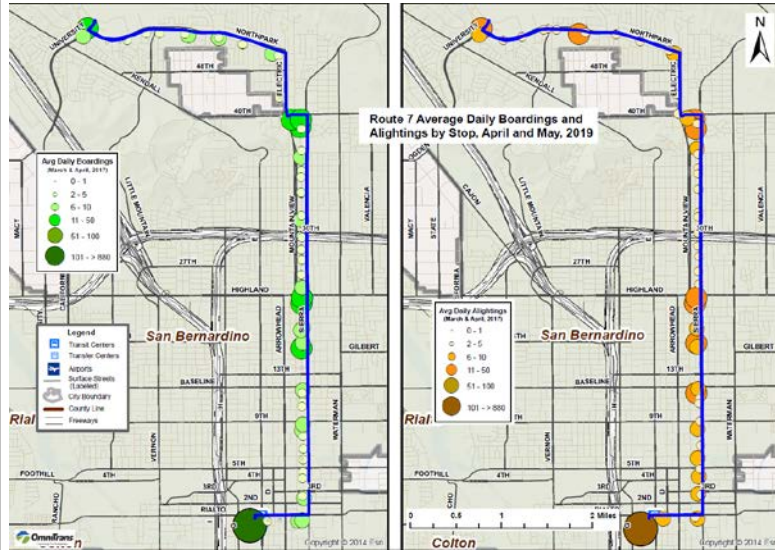
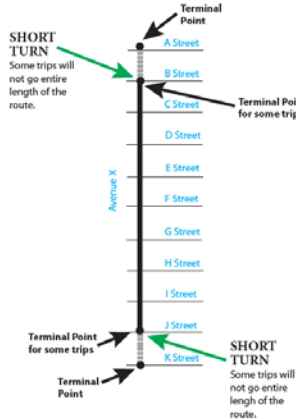
3. Shorten Entire Route

- Change Terminal Point of route
- Eliminate service on least used route segments
- Entire route length is shorter
- Route end with lowest ridership is eliminated



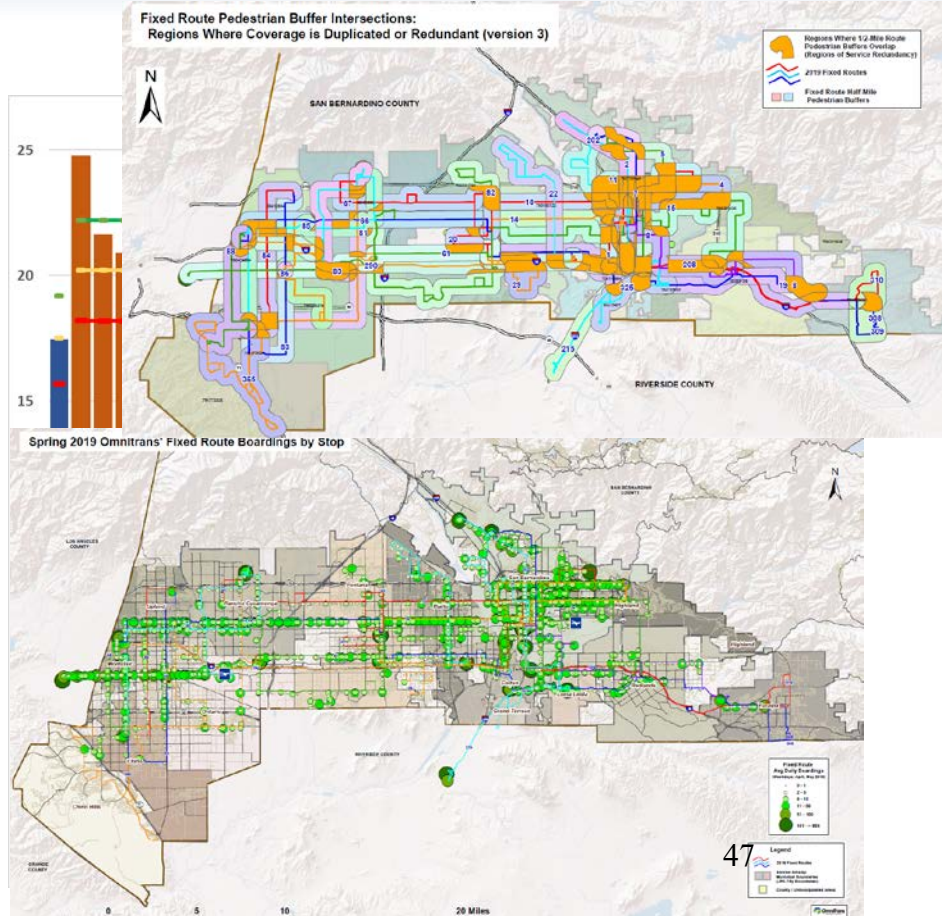
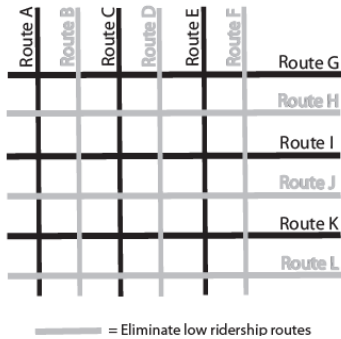
4. Make Short Turns

- Reduce service on selected trips
- Not all buses travel the entire length of the route on every trip
- Can be confusing for customers

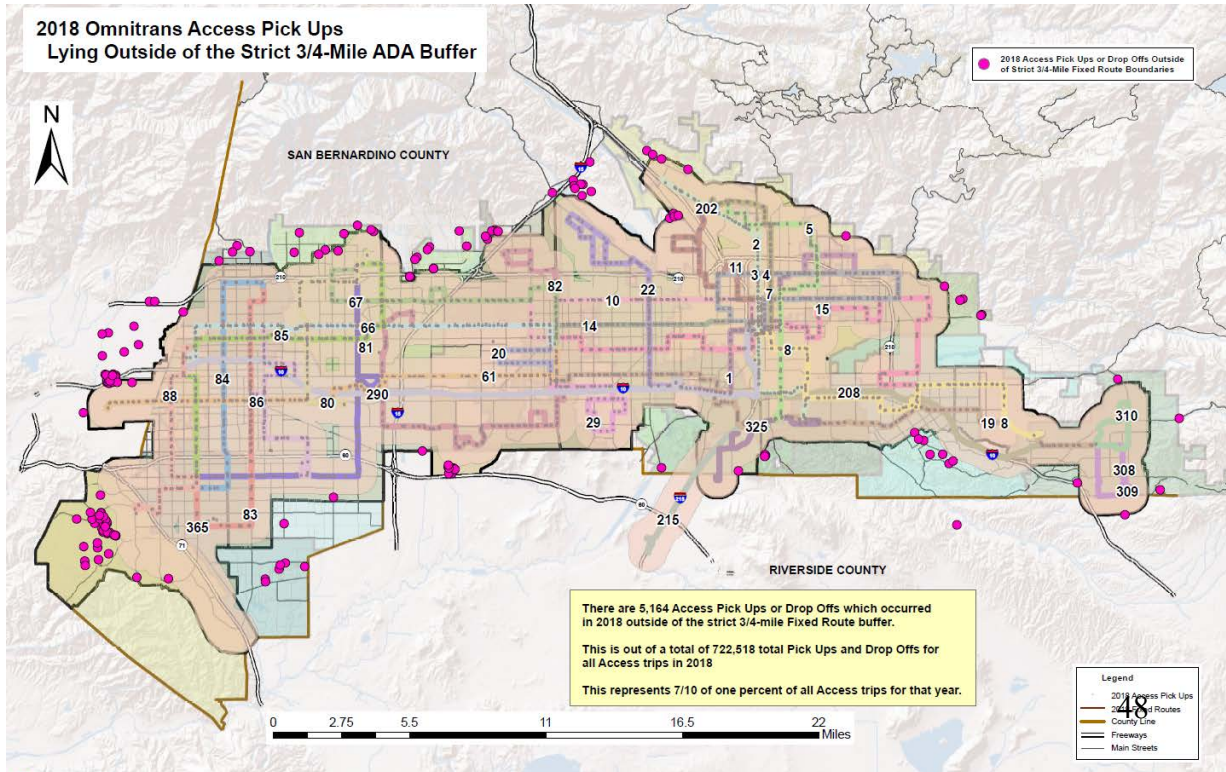


5. Eliminate Routes

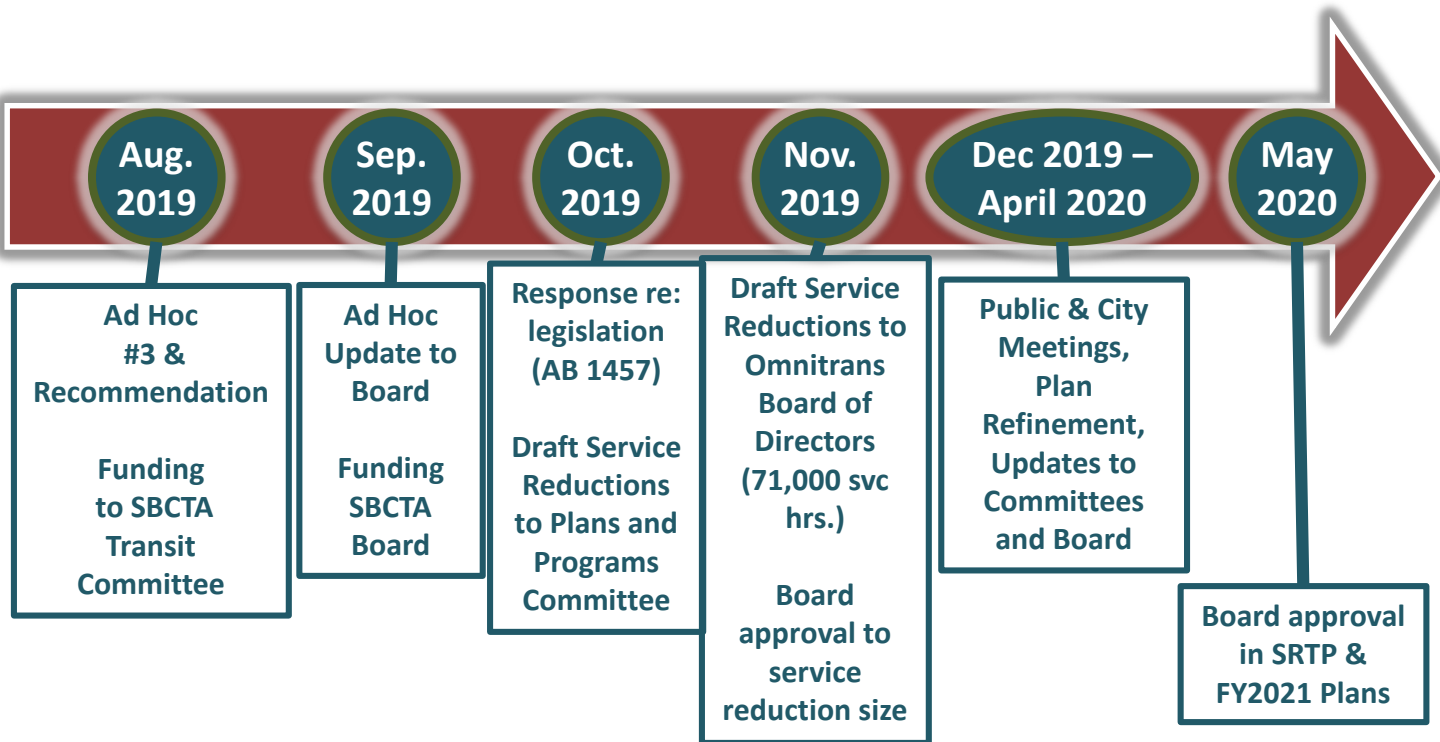
- Reduce coverage in areas with service area overlaps
- Realign or discontinue less used parallel routes
- Eliminate routes with low ridership



- Reduction when fixed route services are reduced.
- Eliminate service that extends beyond the mandate



- Present Service Adjustments and Funding recommendations to the Ad Hoc Committee
- Approval from the Omnitrans Board on Ad Hoc Committee recommendations
- Use service adjustment strategies discussed to bring specific recommendations to the Board





Questions?