



TECHNICAL ADVISORY COMMITTEE

January 13, 2021





Central Florida Commuter Rail Commission

Technical Advisory Committee

Date: January 13, 2021
Time: 2:00 p.m.
Location: FDOT/GoToWebinar Host

PLEASE SILENCE CELL PHONES

I. Call to Order and Pledge of Allegiance

II. Confirmation of Quorum

III. Information Items

- a. October 14, 2020 Meeting Minutes

IV. Public Comments

- *Nadia will read into the record any received prior to the meeting start.*
- *Those joining in person will be permitted to approach the podium in the LYNX Board Room.*

V. Chair's Report – Ms. Olore

- a. Transition Working Group Update
- b. Phase 2 North Update

VI. Discussion Items

- a. Agency Update – Charles M. Heffinger, Jr., P.E. FDOT/SunRail Chief Operating Officer
- c. Bus Connectivity
 - i. LYNX – Tomika Monterville, Director of Planning & Development



Central Florida Commuter Rail Commission

Technical Advisory Committee

ii. Votran – Kelvin Miller, General Manager

VIII. Committee Member Comments

IX. Next Meeting - Proposed

April 14, 2021
2:00 p.m.
Location: TBD

X. Adjournment

Public participation is solicited without regard to race, color, national origin, age, sex, religion, disability or family status. Persons who require accommodations under the Americans with Disabilities Act or persons who require translation services (free of charge) should contact Roger Masten, FDOT/SunRail Title VI Coordinator 801 SunRail Dr. Sanford, FL 32771, or by phone at 321-257-7161, or by email at roger.masten@dot.state.fl.us at least three business days prior to the event.

PLEDGE OF ALLEGIANCE

(Please Stand)

I pledge allegiance to the Flag of the United States of America, and to the Republic for which it stands, one Nation under God, indivisible, with liberty and justice for all.



Technical Advisory Committee Meeting

October 14, 2020

2:00 p.m.

GoTo Webinar Hosted by FDOT
LYNX Central Station
2nd Floor Multi-Purpose Room

Attendees

Tawny Olore, Osceola County
Nabil Muhaisen, City of Kissimmee
Shad Smith, City of Longwood
Kendall Story, City of Lake Mary
Rick Werbiskis, City of DeLand
Jordan Smith, City of Sanford
Bill Wharton, Seminole County
Tanya Wilder, City of Orlando
Kimberly Tracy, City of Maitland
Don Marcotte, City of Winter Park
Nick Lepp, MetroPlan Orlando
Lois Bollenback, River to Sea TPO

Tomika Monterville, LYNX
Kelvin Miller, Votran
Charles M. Heffinger, FDOT
Lorie Matthews, FDOT
Nadia Hernandez, FDOT
Patricia Ruffino, FDOT
Jessica Ottaviano, FDOT
Mike Carman, SunRail
Sandra Gutierrez, SunRail
George Gault, SunRail
Linda Nesbitt, SunRail
Regina Marini Cargill, Evolve Today

Minutes

Meeting was called to order by TAC Chair, Tawny Olore, at 2:00 p.m.

Pledge of Allegiance

Quorum was met

Introductions

Announcements:

Presenter: Tawny Olore

- Chair Remarks
 - This meeting of the Technical Advisory Committee is being held virtually by means of communications media technology pursuant to the Office of the Governor Executive Order #20-112 that extended Executive Order #20-69, which suspends the in-person quorum and specific public place requirements of “Florida’s Government in the Sunshine Laws” and allows for telephonic and video conferencing as provided in Florida Statute. These steps are required to protect the health and safety of the public while still ensuring continuity of Commission business in view of the current Coronavirus (COVID-19) pandemic. The Governors’ Executive Order still requires all other elements of Sunshine Laws, which we have adhered to for purposes of today’s virtual Board meeting.
 - Participants via video and tele-conferencing include the TAC members and certain staff. A direct video feed has been established in the LYNX Board room should anyone wish to deliver public comments in person, and public comments provided in advance will be read into the record by Florida Department of Transportation (FDOT) staff. Public involvement is further provided by the provision and posting of a conference phone number which allows for any member of the public to listen in audio only mode. The opportunity to provide in person comments is available during the Public Comment portion of the meeting, as well as until the Chairman closes an item for discussion.
- SunRail Transition Consultant
 - CFCRC Board approved a scope to be advertised for the SunRail Consultant and a solicitation was put out for bid. It is on the agenda for the CFCRC meeting on October 29th to approve moving forward with that consultant.
 - Prior to the approval from the CFCRC, the scope and funding had to go to each local funding partners Boards for review. \$1.1M for the SunRail Consultant was ultimately approved by all the partners.
 - Once approved to move forward from the CFCRC Board, Seminole County can secure the Consultant under contract which then the study can move forward.
 - TAC, CAC, and CFCRC Boards will get regular briefings from the SunRail Consultant along with the Boards of MetroPlan Orlando and River to Sea TPO.
 - A copy of the Scope of Services will be sent out to those who request it. The Consultant’s schedule will be about 18 months and will put together an implementation plan including a transition schedule.
 - Mr. Nick Lepp had a question regarding the two consultant solicitations received and asked if that met requirements of the spending of Federal or State funds, or was it a re-solicitation?
 - Ms. Olore replied it was not State or Federal funds but Local. They are funds from the 5 local funding partners and did meet the necessary procurement requirements.
- Newly appointed TAC members: Ms. Olore welcomed back F.J. Flynn. He will serve as the primary member for City of Orlando and Scott Zollars will serve as the alternate.

Action Items:

Presenter: Tawny Olore

- **Adoption of Meeting Minutes:** A motion to adopt the meeting minutes from January 15, 2020 was made. The meeting minutes were adopted unanimously.
- **Adoption of Proposed 2021 Meeting Schedule:** A motion to approve the proposed 2021 meeting schedule was made. The schedule was adopted unanimously.
 - Wednesday, January 13, 2021 at 2PM
 - Wednesday, April 14, 2021 at 2PM
 - Wednesday, July 14, 2021 at 2PM
 - Wednesday, October 13, 2021 at 2PM

Public Comments:

No public comments.

Agenda Item: Agency Update**Presenter: Charles M. Heffinger Jr., P.E.**

- SunRail was awarded the Consolidated Rail Infrastructure and Safety Improvement (CRISI) Grant. This will allow 1.7-mile section of track to be added to Phase 2 South. Benefits will include reduced delays, track maintenance, and incidents. The new project will ultimately improve safety, enhance signals, and crossings.
 - FDOT will match the \$5,653,819 awarded totaling \$11,307,638 available for these improvements
 - Working with Kinder Morgan to relocate a gas line to meet the requirements.
- Cleaning during the COVID-19 pandemic.
 - All touch surfaces are wiped down after use on trains as well as TVUs and TVMs at the station locations.
 - Security guard presence is visible on every train.
 - Social distancing graphics include directional arrows, red and green stickers to show entry and exit points, and reminders to stay 6 ft apart.
 - Every train is fogged and disinfected nightly.
 - Mr. Heffinger noted that SunRail has received a few negative comments regarding mask enforcement, but mostly positive comments with regards to train cleanliness.
- State of Ridership
 - Prior to the COVID-19 pandemic ridership was averaging 7,000 riders per day. At the beginning of the pandemic, ridership went down to about 800 riders per day but during the months of June to August, the average has slowly increased to 2,044 riders per day.
 - Mr. Heffinger reported current ridership is around 2,400.
 - Passes continue to be reactivated at about 100 a day which indicate ridership will continue to increase.
 - LYNX has resumed fare collection as SunRail continues to collect fares. However, tickets are not being scanned by the conductors at this time due to social distancing precautions.
- The Campus Connection Program
 - UCF students received promotional passes to commute to downtown campuses. Over 200 passes were issued and SunRail is continuing to convert promotional passes to account passes. Overall the program has proven to be a success.
- New Citrus Connection
 - An open bus bay that was available at the Poinciana Station is now being used by Polk County's Transit System to accommodate direct bus service via the "Citrus Connection".
 - Citrus Connection travels nonstop between Posner Park in Polk County and the Poinciana Station.
 - This new service began on September 8, 2020 and operates Monday – Friday from 6:00AM until 6:55PM.
- Service Disruption
 - Hurricane Isaias closed SunRail service on Monday, August 3, 2020.
 - Mr. Heffinger stated in preparations for Hurricane Isaias that was projected to come through as a Category 2, a decision was made to secure and remove 127 gates to take the necessary safety precautions.
 - The Monday after Hurricane Isaias passed, all gates were put back and test train runs were performed as a safety measure.
 - Appreciation was extended to Herzog and Bombardier for all the efforts put forth.
 - SunRail service resumed Tuesday, August 4, 2020.

- Rail Safety Week
 - SunRail was awarded the AASHTO Transportation Communications (TransComm) Award for the 2019 Rail Safety Week campaign.
 - This year's Rail Safety Week took place September 21-27, 2020 and continued with the "Let's Go for Zero" Campaign. A couple highlights included a new virtual outreach video and active law enforcement participation along the corridor.
- Operation S.T.R.I.D.E. (Statewide Traffic and Railroad Initiative using Dynamic Envelope)
 - District 5 and CFRC/SunRail is leading the state with implementation of 71 of the 115 active crossings on the CFRC that are now featuring Dynamic Envelopes. Remainder of the crossings should be constructed and fully implemented by the end of 1st Quarter 2021.
 - Dynamic Envelopes have proven to reduce vehicles from stopping on the tracks by about 46%. Option to follow the progress can be accessed using the following link: [SunRail.com/operation-stride](https://www.sunrail.com/operation-stride).
- DeBary Construction Updates
 - The DeBary station had issues with rust accumulating on the awning located on the platform. Construction and repairs are being done during the evenings and weekends to reduce interference with passengers to minimize any disruptions to service. Construction is slated to be completed by February 2021.
- New SunCard Design
 - The inventory for the original Suncards was getting low so the Department took the opportunity to redesign the look and now showcases multimodal connectivity.
 - New cards are available exclusively through the SunRail website and SunRail mobile app. TVMs will be stocked when current inventory has been used.
- Ticketing System Updates
 - On October 9, 2020, an ad was posted for a new SunRail Fare Collection System and equipment. This will replace the current ticketing system in place.
 - Technical Proposal opening set for November 3, 2020 and final selection in February 2021.
 - Tentative to go live in November 2022 to give adequate time to ensure the new system is working properly.
- Positive Train Control
 - SunRail is currently running 100% PTC-enabled trains daily.
 - Currently operating in Revenue Service Demonstration (RSD) with CSX and Amtrak passenger service along with Amtrak auto-train.
 - Program implementation expected to be complete by December 2020.
 - Working with Contractors to bring on needed personnel to assist with PTC Oversight.
- Quiet Zones
 - Edgewood, Orange County, and Maitland all have Quiet Zones established.
 - Winter Park, Seminole County, City of Orlando, and City of Kissimmee are close to becoming established.
 - Mr. Heffinger clarified that a train horn will not be blown the standard 3 times at crossings within the Quiet Zones. However, if a trespasser or vehicle is close to the tracks, the train horn will be blown as a warning.
- Average Daily Ridership
 - Pre-COVID ridership was up around 7,000 a day.
 - COVID-19 has impacted SunRail service and reduced our ridership to approximately 800 passengers in April. Due to the drastic drop in ridership demand, FDOT adjusted the train schedule and offered a reduced service through the month of April and early into May.

- Full service resumed May 8th and ridership is slowly increasing every month.
- OnBoard Stats
 - ADA and Bicycle graph shows same decrease between January and April due to the pandemic.
- Boardings by Station
 - LYNX Station shows the most activity with 18,840
- Boarding & Alightings
 - AM Graph shows most riders board in the mornings at the northern or southern ends and travel into the downtown area.
 - PM Graph shows opposite where most riders board the downtown area and travel back to either end.
- IOS Station Parking
 - Pre-COVID parking at stations was sometimes at full capacity.
 - Starting to see it slowly increase with Longwood and Maitland steady at about 20% capacity.
- Southern Expansion Station Parking
 - Pre-COVID parking at Meadow Woods was above capacity.
 - Kissimmee is about 50% capacity.
 - Both Osceola and Orange County have agreed to help fund the parking expansion along with MetroPlan.
- Customer Service Calls
 - Total calls received were over 3,000 with 2,500 general calls.
 - Lost and Found re-opened by appointment only on 10/5/2020.
- On-Time Performance Average
 - On Time percentage had done very well. Actual percentage for July-September was at 96.4% and Contract percentage was at 99.3% with both percentages exceeding the goal of 95%.
 - In 64 days, 2,560 trains ran with 56 days being 100% on time.
- Train Performance Detail
 - During the months of July – September 2,484 trains arrived on-time.
 - Only 58 trains were late.
 - 18 trains were annulled due to damage or break downs.
- Incidents by City/County
 - 8 incidents occurred between July and September 5 with SunRail and 3 CSX trains.
 - One incident occurred with a woman who got stopped in between the gates and did not drive through the breakaway gate.
 - Another incident that occurred in October and does not reflect during the timeframe happened with a trailer that got loose and was stuck on the tracks.
- CFRC Signal System Incidents
 - Crossing Repairs are up a little higher than expected.
 - Vehicle incidents are lowest.
- FY20/21 Operating Budget Update
 - Annual budget had a slight increase from last year.
 - Farebox Revenue has a noticeable difference from last year due to the COVID pandemic.
 - CSX, AMTRAK and FCEN usage fees are slightly down.
 - Right of Way lease revenue is above expectations.
 - Ancillary revenue is above expectations with a dealership wanting to wrap a train.

- Capital Maintenance plan is budgeted for almost \$9 million with last year being at around \$4 million. There are 7 projected projects this year in addition to the CRISI Grant project to put in a second track in the Phase 2 South area.
- Capital Maintenance
 - Non-recurring corrective or preventive maintenance or in-kind replacement maintenance is at 44.6%.
 - Improvements to extend the useful life, increase the value or add new uses is at 55.4%
- Transit-Oriented Development (TOD) Overview
 - Mr. Heffinger explained that most public transportation programs do not make a profit.
 - Since 2010, 29 projects have been completed around the SunRail Stations with a construction value at almost \$1 billion. There are 12 projects currently under construction valued at \$774 million and there are future plans for 31 new projects with an estimated value of \$1.11 billion.
- Highlights of construction projects near stations starting with DeBary and going south:
 - DeBary: In Volusia County an apartment complex with 289 units was built directly east of the station with a value of \$55 million. DeBary is considering constructing a downtown area near the station in the next few years.
 - Lake Mary: There is a \$32 million property with 200 units that was built directly across from the station at Lake Mary in Seminole County. The property values in Lake Mary have increased 35.7% faster than any other station.
 - Longwood: A \$30 million property with 208 units that was constructed and is open for business.
 - Maitland: Orange County, there is a five-story building that was recently constructed valued at \$47 million.
 - Church Street: There is a \$133 million property with 28 stories being built right in downtown Orlando with easy access to the station and the LYNX bus station.
 - Sand Lake Road: 20 acres were cleared across from the Sand Lake Road Station in preparation for the construction of an apartment complex.
 - Tupperware: Named for the location of the Tupperware World Headquarters, there is \$365 million TOD planned at the Tupperware Station. They have a master development plan and will build a multi-family residential rental project.
 - Poinciana: 82 acres were purchased with plans for future commercial development and affordable housing.
- SunRail has been in operation for six years. In that time, the State and Federal partners have seen every dollar they invested to build the System return four dollars to the economy in the form of property value growth.
 - SunRail's 16 station areas experienced \$2.4 billion dollars in cumulative property value growth, outpacing their control areas by 22.9%.
 - Mr. Heffinger explained that the taxes that are generated from construction projects far exceed the deficit of operating SunRail.
- Ms. Tawny Olore congratulated Mr. Heffinger on the prestigious achievement of the CRISI Grant. Ms. Olore asked if the funding is for this fiscal year and what are the steps to move forward.
 - Mr. Heffinger stated the funding is for this FY and has already been allocated. SunRail is currently in negotiations with Kinder Morgan to relocate a gas line. The issue at hand is Kinder Morgan thought CSX had the permitting but SunRail has since shown proof of permits being transferred.
- Ms. Olore realizes the pandemic has impacted all transit systems and questioned if an analysis has been done regarding train schedules and possibly doing a modified schedule due to trains having little ridership.
 - Mr. Heffinger stated SunRail ran on a reduced schedule for almost 2 months with 32 trains instead of 40. He mentioned a few train systems within the state are back to a normal schedule.

- Mr. Mike Carman notated Tri Rail did alter their weekday schedule but unsure if they are currently following a modified schedule. Ms. Olore thanked Mr. Heffinger for including the local funding partners in the solicitation process for the new ticketing system.
- Ms. Olore asked Mr. Nick Lepp to update the TAC members with Metroplan’s parking study on the Phase 2 South Stations.
 - Mr. Lepp replied the scope has been sent out to the local partners for the parking expansion at the Meadow Woods, Tupperware, and Poinciana stations. Funding is through UPWP and is hoping to get started in November.

Agenda Item: LYNX Connectivity

Presenter: Tomika Monterville

- Ms. Tomika Monterville explained in past years you see an average jump in ridership during the summer months and ending in October. It is notated this year, due to the COVID-19 pandemic, the typical jump in ridership was not seen.
- Excited to report they have only seen about a 25% dip in SunRail feeder bus ridership during the pandemic. This dip is not as significant as the overall LYNX system.
- Ridership is currently at about 39,000 passengers a day for LYNX which is about half of the typical ridership of 75,000 a day.
- Ms. Monterville announced Automatic Passenger Counters (APCs) are now on the entire LYNX fleet. This will help with the accuracy of reporting ridership going forward.
- 29-foot busses have been implemented to support social distancing needs.
- LYNX is offering face masks, PPE to operators, encouraging social distancing, alternating staff schedules, and performing regular cleanings as part of their safety efforts.

Agenda Item: Votran Bus Connectivity

Presenter: Kelvin Miller

- Feeder bus was in operation for 257 days for Fiscal Year 2020 with a daily average of 45 riders. This is about a 36% decrease from last year and is due to the COVID-19 pandemic.
 - The feeder bus decrease percentage is in line with the regular fixed route service.
- Safety efforts include available masks for passengers, social distancing, and hand sanitizer at both the front and back doors of the buses.
- Ms. Olore asked if there was any notice of increased ridership as SunRail and LYNX has seen.
 - Mr. Miller stated there has been an increase in ridership in September.

Committee Member Comments:

- Ms. Olore mentioned the 18-month schedule for the SunRail Transition Consultant will include regular briefings to the Committee members at upcoming TAC meetings.
- Election of Officers will occur at the January 13, 2021 meeting as well.
- No further comments were made.

Meeting adjourned: 3:02 p.m.

Next meeting: Scheduled for Wednesday, January 13, 2021 at 2:00 p.m., Virtual Forum and at LYNX Central Station, Second Floor Open Space, 455 N. Garland Avenue, Orlando

TITLE VI

This meeting, project, or study is being conducted without regard to race, color, national origin, age, sex, religion, disability or family status. Persons wishing to express their concerns relative to FDOT compliance with Title VI may do so by contacting:

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JACQUELINE PARAMORE

State Title VI Coordinator

605 Suwannee Street, Mail Station 65

Tallahassee, Florida 32399

[WELCOME]





PUBLIC COMMENTS



CHAIR'S REPORT

Tawny Olore, P.E.





AGENCY UPDATE

Charles M. Heffinger, Jr., P.E.





2020 RECAP

- Customer-First Programs
 - Health and Safety
 - Ambassador Support
 - Travel Plan Options
- S.T.R.I.D.E. Focus
- PTC on Schedule
- FRA Grant Awarded
- Campus Connection
- New Citrus Connection
- New Security at LYNX
- Improved Fare Collection
- DeBary Refurbishment
- Safety Award Recipient



[VISION FOR 2021]



SAFETY

- Health & Cleaning
- Positive Train Control
- S.T.R.I.D.E.



RIDERSHIP

- Growing Trends
- New Equipment
- Reasons to Ride



PROGRESS

- Phase 2 North
- Corridor Use
- Transit-Oriented Development



DEBARY UPDATES

- Construction progressing as expected
- Passengers boarding from one platform
- Ambassadors providing additional ticketing support



MOBILITY WEEK 2020 HIGHLIGHTS

SunRail
November 23 at 12:19 PM · 🌐

Get on board and win big 🎉! You have until November 30th to log your transportation rides for a chance to win some serious prizes, as part of the #LoveToRideFlorida challenge. Visit <https://www.LoveToRide.net/florida> to view available prizes and entry requirements 📄 #RideSunRail

LOVE TO RIDE FLORIDA

Log transportation rides to be entered to win!

Join at: lovetoride.net/florida

SunRail
November 3 · 🌐

Grab your bike 🚲 and join Mobility Week 2020's Love to Ride challenge now through Nov. 30. This challenge is free, fun to do with family and friends, and prizes are awarded to select participants. For more information, visit www.lovetoride.net/florida #MobilityWeek2020 #LoveToRideFlorida

LOVE TO RIDE FLORIDA
OCT 30 - NOV 30, 2020

lovetoride.net/florida

LOVETORIDE.NET
Love to Ride
Love to Ride is all about getting more people enjoying and discover...



CELEBRATING

Mobility Week

OCTOBER 30 THRU NOVEMBER 6

FDOT

Social Media Announcements

SunRail Booth in Virtual Room

Mobility Week Slider on Website

SunRail
October 28 · 🌐

Mobility Week 2020 begins this Friday. Get a sneak peek of SunRail's page at [ExperienceSunRail.com](https://www.ExperienceSunRail.com). Discover how SunRail's bringing it all together with safe and efficient travel connections to Central Florida to make your commute faster and easier. #MobilityWeek2020 #RideSunRail

Mobility Week
OCT 30 - NOV 6, 2020
www.MobilityWeekFL.com

HOME SAFETY FIRST SIMPLE TRAVEL THE SUNRAIL ADVANTAGE SUNRAIL.COM

BRINGING IT ALL TOGETHER

Discover how SunRail is securing safe, efficient travel connections for Central Florida.

Home Safety First Simple Travel The SunRail Advantage SunRail.com
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SunRail
October 26 · 🌐

It's the last week to ride SunRail to vote early! Seminole, Orange, and Osceola County registered voters can skip the traffic and #RideSunRail to one of the convenient voting locations near the Sanford, Church Street, or Kissimmee/Amtrak stations weekdays through Oct. 30. For details, visit <https://SunRail.com/ride-to-vote/> #RideToVote

SunRail
October 29 · 🌐

Don't lose your chance to vote early! Tomorrow is the last day for registered voters in Seminole, Orange, and Osceola Counties to #RideSunRail to early voting locations. For details, visit <https://SunRail.com/ride-to-vote/> #RideSunRailToVote

Love to Ride Challenge Promotion

SunRail Microsite

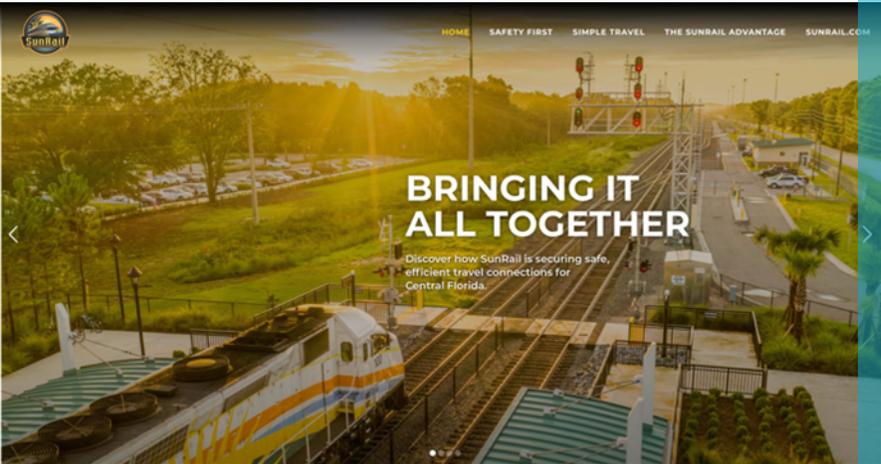
Early Voting Site Connections



SAFETY FIRST

SUNRAIL IS TAKING MEASURES TO PROVIDE YOU WITH A SAFE, CLEAN, AND COMFORTABLE RIDING ENVIRONMENT.

From the moment passengers arrive at the station they can experience the prevention and cleaning efforts made by the staff and SunRail ambassadors to ensure comfort and safety.



BRINGING IT ALL TOGETHER

Discover how SunRail is securing safe, efficient travel connections for Central Florida.



WHETHER YOU WORK DOWNTOWN OR ARE LOOKING FOR AN EASIER WAY TO GET AROUND CENTRAL FLORIDA, SUNRAIL IS "A BETTER WAY TO GO."

Using SunRail is a convenient and stress-free way to travel. If commuting for work or heading out for a day of fun in the sun, SunRail will not only save you money, but it will get you to your destination without the hassle of traffic congestion and long commute times.



EXPERIENCE.SUNRAIL.COM

- Microsite launched during Mobility Week
- Offers fresh perspective for new and existing riders
- Features destination ideas
- Promotes safety and simplicity





NEW CITRUS CONNECTION

- Connects Central Florida to Polk County
- Ridership continues to grow
- Enhanced wayfinding is coming soon

**WELCOME
POLK COUNTY**



NOW SERVICING POINCIANA STATION



POSITIVE TRAIN CONTROL

- Running 100% PTC-enabled trains daily, fully implemented on January 1, 2021.



[QUIET ZONES]

Jurisdiction	Status
Edgewood	Quiet Zone Established
Orange County	Quiet Zone Established
Maitland	Quiet Zone Established
Winter Park	Quiet Zone Established
Seminole County	Notice of Establishment (NOE) complete.
City of Orlando	Assessing Quiet Zone qualifications. Two additional crossings upgrades in progress. (South St./Washington St.)
City of Kissimmee	NOE complete. To be sent week of January 4, 2021

Local communities may apply for quiet zones and information is available on the "About" page at SunRail.com





PHASE 2 NORTH VE PROCESS

OPTION 1
\$14.1M

OPTION 2
\$41.95M

OPTION 3
Current Scope
\$74.7M

OPTION 4
No Build

OPTION 1 – \$14.1M



A. Operate a reduced service to DeLand

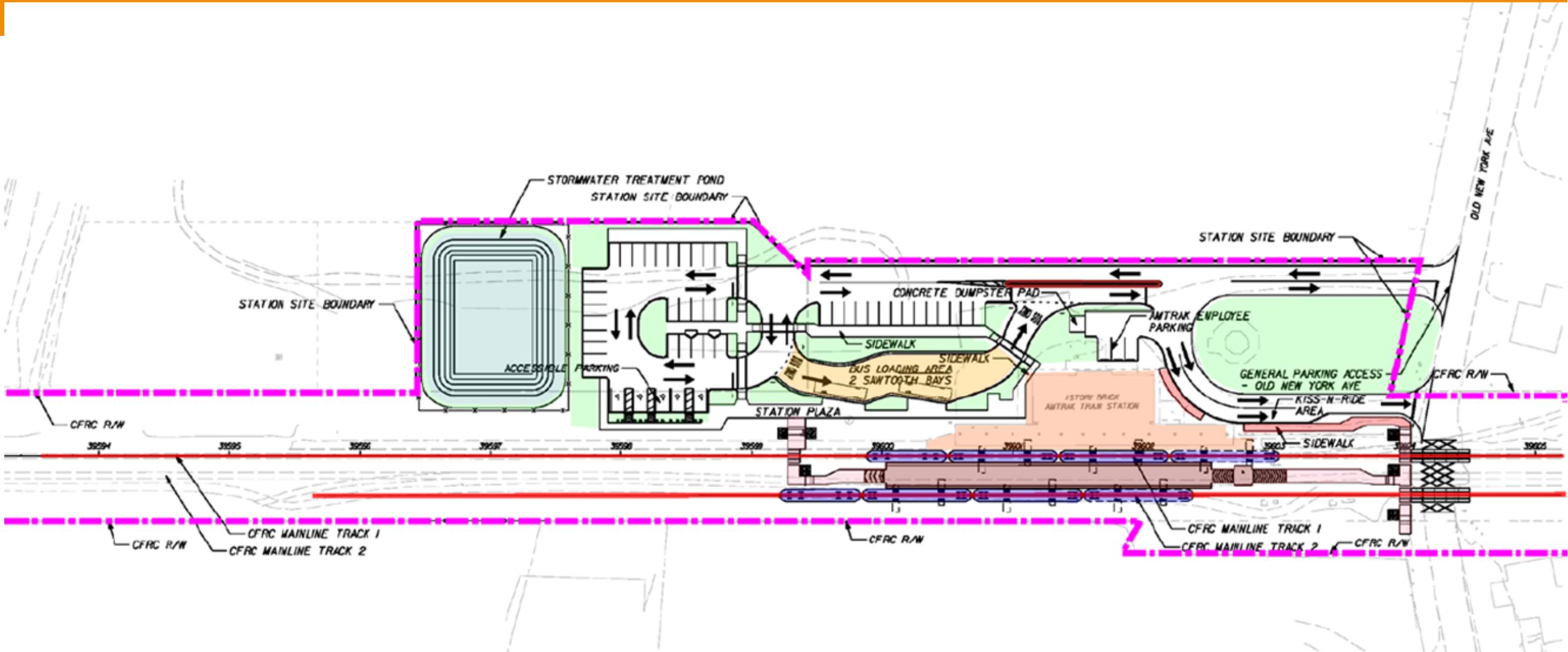
- Will not meet base service
- Accomplished by shuttle train

B. Build 2nd track stub/center platform SunRail station

C. Will use existing row: parking/pond – 40-50 spaces

SITE PROPOSAL

MODIFIED DELAND STATION CONCEPT



OPTION 2 – \$41.95M



A. Operate full service to DeLand

- Meets base rate of service requirements

B. Build 2nd track stub/center platform SunRail station

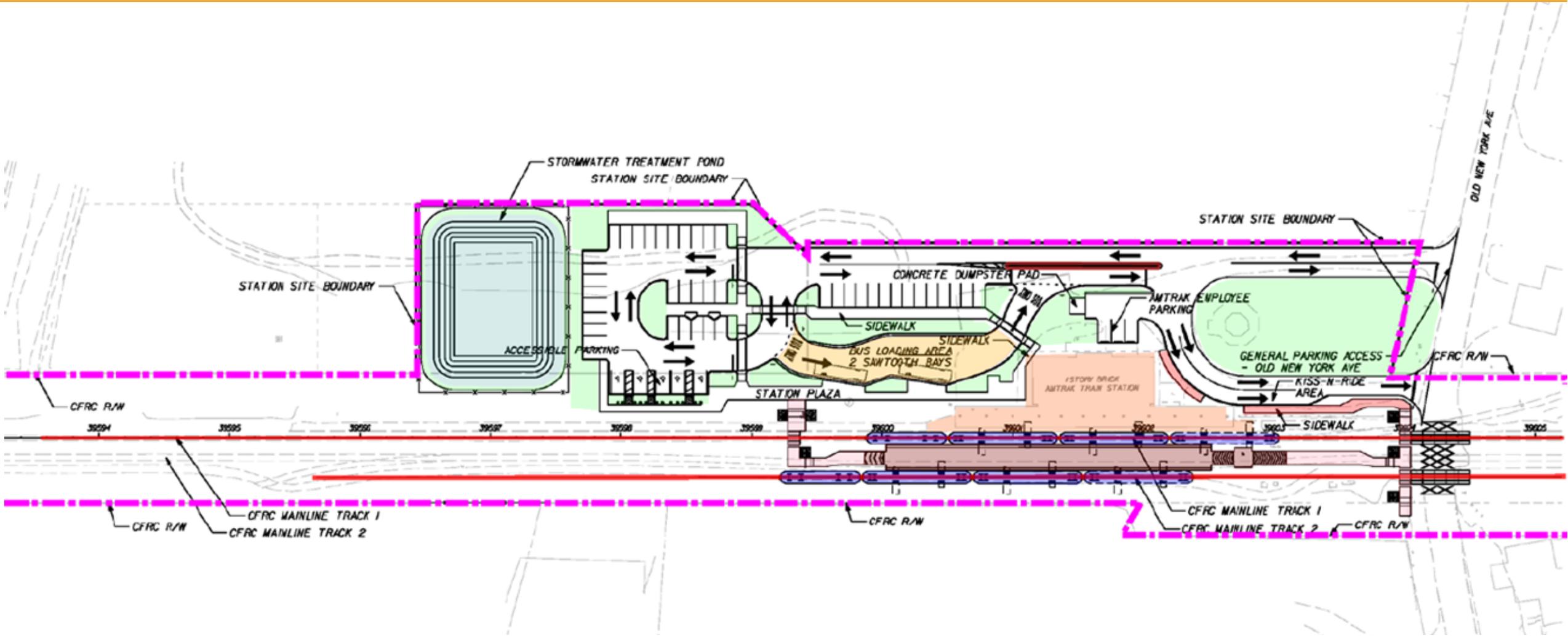
C. Will use existing row - parking/pond – 40-50 spaces

D. Additional infrastructure required

- Construct 6 miles of double track
- Upgrade Benson Junction track/grade crossing
- Construct signals to reflect corridor change

SITE PROPOSAL

MODIFIED DELAND STATION CONCEPT





OPTION 3 – Current Scope \$74.7M

A. Operate full service to DeLand

- Meets base service

B. Build new station/parking – 100 parking spaces

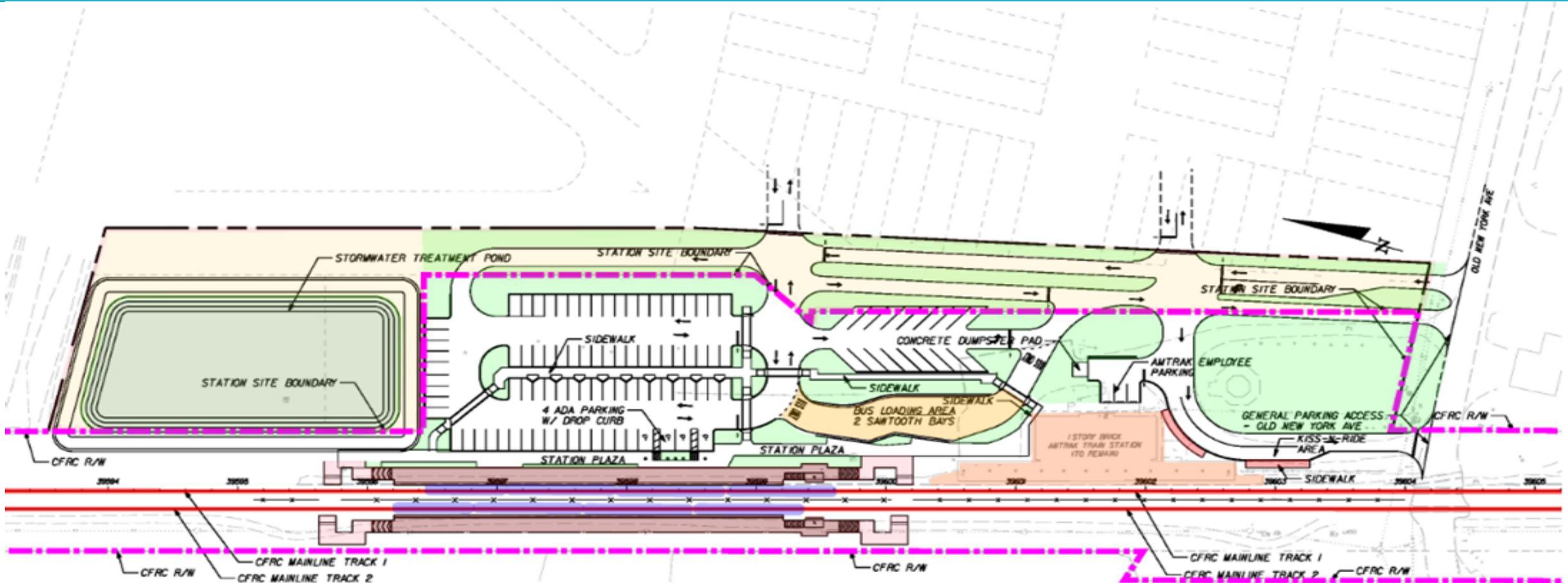
- Additional costs/row required - \$9M

C. Additional infrastructure required

- Construct 10 miles of double track
- Upgrade Benson Junction track/grade crossing
- Construct signals to reflect corridor changes

SITE PROPOSAL

\$74.7M DELAND STATION CONCEPT



OPTION 4 – No Build



- A. Interlocal funding agreement will need to be re-negotiated**

- B. Interlocal operating agreement will need to be re-negotiated**

- C. Interlocal governance agreement will need to be re-negotiated**

PHASE 2 NORTH OPTIONS COMPARISON (\$FY21)



	Item	Option 1 (Millions)	Option 2 (Millions)	Option 3 (Millions)
1	Station Platform and Amenities	\$4.27	\$4.27	\$6.08
2	Station Parking/Bus/Kiss n Ride/Circulation/Sidewalks/Drainage	\$4.83	\$4.83	\$6.90
3	Station Right of Way	\$0.00	\$0.00	\$5.11
4	Railroad Civil/Drainage/Track/Train Control/Grade Crossings	\$5.00	\$32.85	\$56.59
	Total	\$14.10	\$41.95	\$74.68

LYNX CONNECTIVITY

LYNX Fixed-Route Average Daily Boardings & Alightings by SunRail Station Area

SUNRAIL STATION	Fiscal Year 2020												ANNUAL DAILY AVERAGE	
	Oct	Nov	Dec	Jan	Feb	Mar	Apr*	May**	Jun	Jul	Aug	Sep		
Days of Operation	23	20	21	21	20	22	22	22	22	22	23	20	21	257
Sanford	472	464	429	429	475	424	N/A	278	327	352	348	303		391
Lake Mary	103	99	96	105	121	92	N/A	38	39	43	52	53		76
Longwood	80	86	80	87	61	73	12	39	67	53	69	47		63
Altamonte Springs	207	174	129	90	153	160	N/A	36	87	114	147	117		129
Maitland	23	22	18	20	21	27	N/A	10	13	17	17	10		18
Winter Park	414	417	314	368	369	308	47	157	276	309	301	298		298
Florida Hospital/Health Village	335	220	166	299	361	395	38	164	248	315	263	283		257
LYNX Central Station														
Church Street Station														
Orlando Health/Amtrak	14	26	15	20	19	13	10	11	22	18	19	18		17
Sand Lake Road	96	95	76	70	130	103	15	42	80	84	102	82		81
Meadow Woods	133	127	99	87	142	68	N/A	55	88	107	114	82		100
Tupperware	17	N/A	N/A	27	29	46	***	N/A	45	22	20	21		28
Kissimmee Intermodal														
Poinciana	1	N/A	N/A	4	6	6	***	N/A	7	8	8	5		6
Total - All Stations	1,895	1,730	1,422	1,606	1,887	1,715	122	830	1,299	1,442	1,460	1,319		1,465
Percent change from FY 19 to FY 20	26%	-0.1%	-18%	23%	21%	18%	-92%	-53%	-17%	-20%	-29%	-25%		-11%

N/A – Ridership was not collected due to bus not having Automatic Passenger Counter (APC); as of August 2020 all LYNX vehicles are equipped with APC's.

*Due to COVID-19, Orange & Osceola Counties instituted a stay-at-home order on March 26 and bus service was reduced on March 30, 2020. This caused a drop in ridership.

**Bus service was re-instated on May 11, 2020.

**Bus service was not provided to this station during the reduced schedule that took place on March 30 and ended on May 9, 2020.



[LYNX CONNECTIVITY]

LYNX Fixed-Route Average Daily Boardings & Alightings by SunRail Station Area

SUNRAIL STATION	Fiscal Year 2021												ANNUAL DAILY AVERAGE
	Oct	Nov	Dec	Jan	Feb	Mar	Apr*	May**	Jun	Jul	Aug	Sep	
Days of Operation	22	19											41
Sanford	112	279	266										219
Lake Mary	42	49	56										49
Longwood	39	57	50										49
Altamonte Springs	40	101	80										74
Maitland	15	12	14										14
Winter Park	201	227	255										228
Florida Hospital/Health Village	246	255	248										250
LYNX Central Station													-
Church Street Station													-
Orlando Health/Amtrak	17	20	20										19
Sand Lake Road	71	87	73										77
Meadow Woods	77	80	76										78
Tupperware	7	11	11										10
Kissimmee Intermodal													
Poinciana	4	4	3										4
Total - All Stations	871	1,182	1,152										1,068
Percent change from FY 19 to FY 20	-54%	-32%	-19%										-27%



[LYNX CONNECTIVITY]

LYNX Feeder Bus Route Analysis (Phase II Routes)

LINK	November		Change	% Change
	FY20	FY21		
18	26,418	14,528	(11,890)	-45%
418	4,957	2,783	(2,174)	-44%
155	830	360	(470)	-57%
306	2,089	982	(1,107)	-53%
604	294	127	(167)	-57%
631	572	263	(309)	-54%
632	267	193	(74)	-28%
709	1,450	811	(639)	-44%

VOTRAN CONNECTIVITY

December 2020

Activity at DeBary Station	Fiscal year 2019												Annual Daily Average
	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	
Days of Operation	23	21	20	22	20	21	22	22	20	22	22	19	254
Avg Daily Ridership	98	66	85	89	64	76	66	61	59	57	69	63	71

Activity at DeBary Station	Fiscal year 2020												Annual Daily Average
	Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	
Days of Operation	23	20	21	22	20	22	22	20	22	23	21	21	257
Avg Daily Ridership	65	48	74	63	52	44	25	7	42	38	40	42	45

Activity at DeBary Station	Fiscal year 2021												Annual Daily Average
	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	
Days of Operation	22	20	22										64
Avg Daily Ridership	37	30	30										32

NOTES: Beginning October 2016 driver keys count only boardings and alightings at DeBary Station. Fiscal years 2014, 2015, and 2016 data reported boardings along SunRail Routes. Hurricane Dorian in 2019 interrupted Votran service 9/2-9/4, SunRail service 9/3-9/5, SunRail service was closed 9/2 for Labor Day. No SunRail service on Thanksgiving, Christmas, New Year's Day, Independence Day, Labor Day, Memorial Day and Martin Luther King Jr. Day

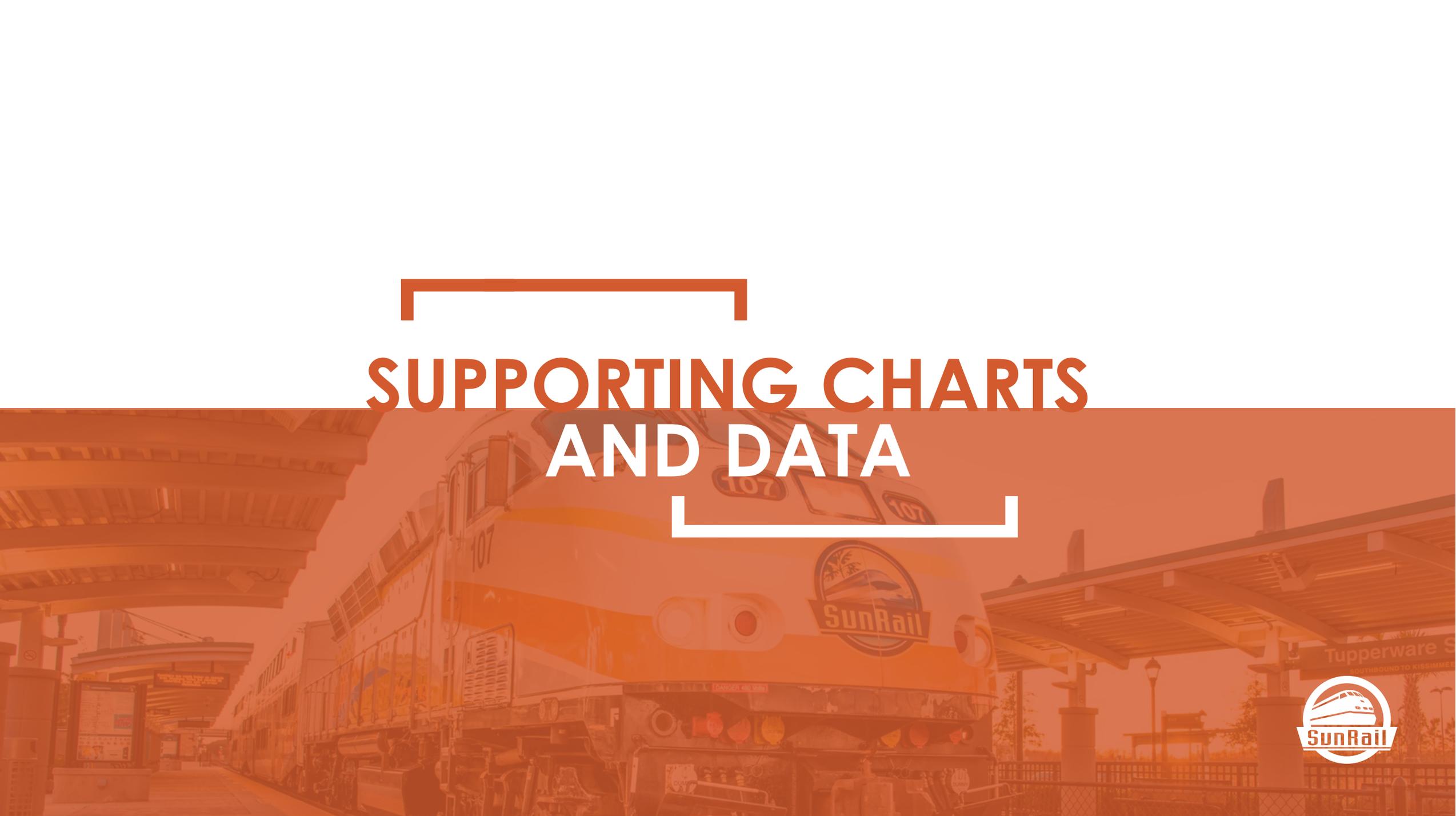


COMMITTEE MEMBER COMMENTS



THANK YOU
Next Meeting April 14, 2021



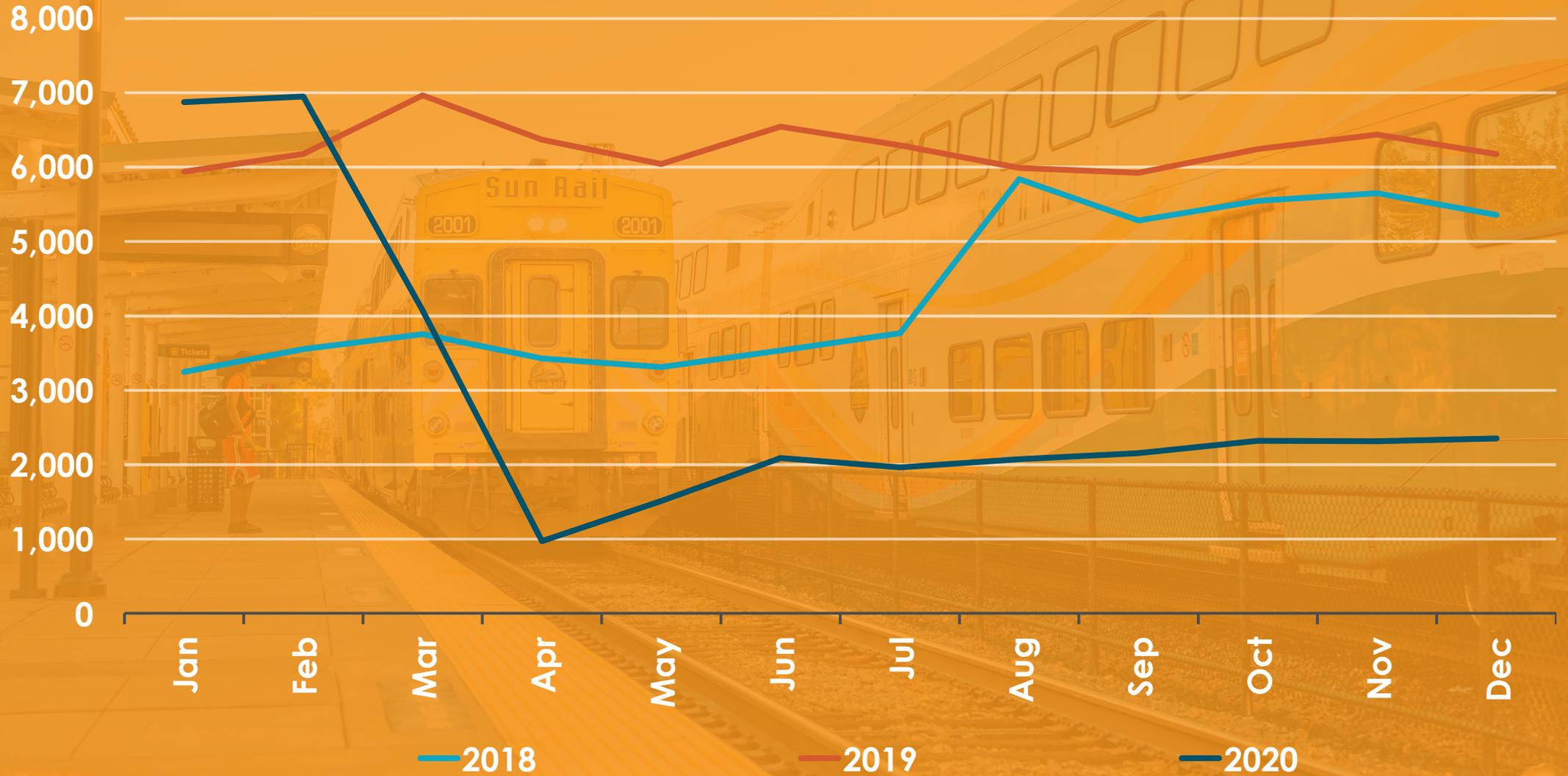
A photograph of a SunRail train at a station platform, overlaid with a semi-transparent orange filter. The train is white with blue and yellow accents, featuring the SunRail logo and the number 107. The platform has a modern design with a large overhang and a sign for Tupperware. The text "SUPPORTING CHARTS AND DATA" is centered over the image in a bold, sans-serif font, with "SUPPORTING CHARTS" in orange and "AND DATA" in white. The text is framed by a white L-shaped bracket above and below it.

SUPPORTING CHARTS AND DATA



AVERAGE DAILY RIDERSHIP

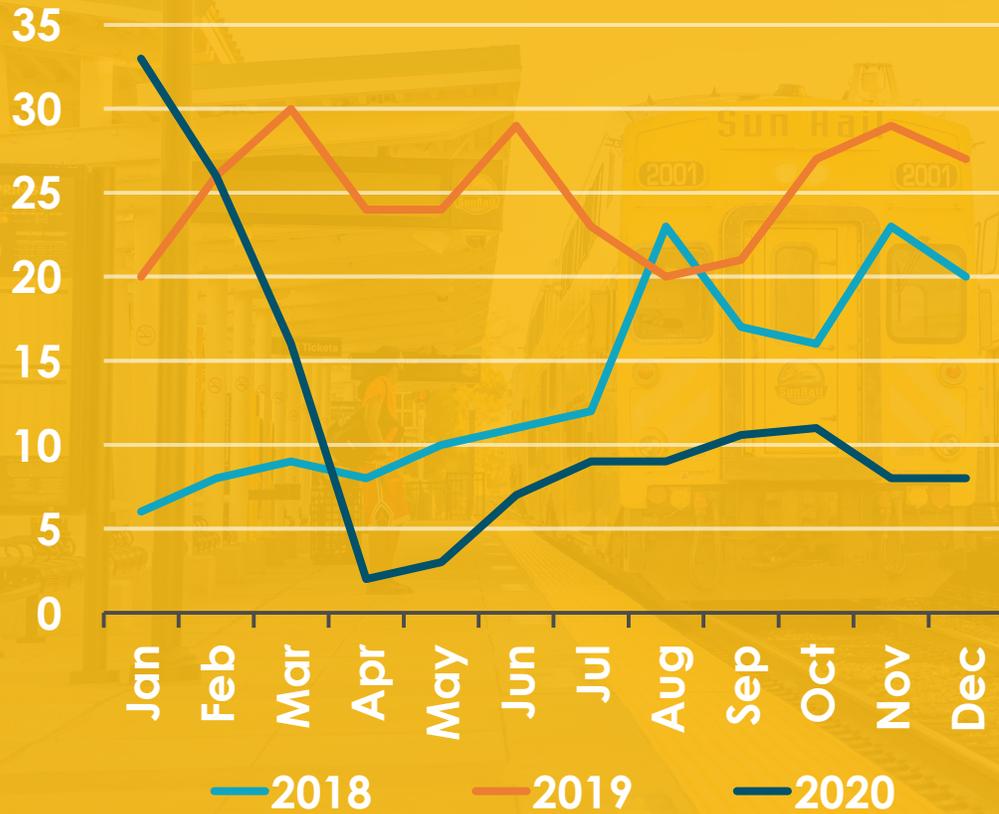
Oct – 2,322 | Nov – 2,317 | Dec – 2,355



ONBOARD STATS

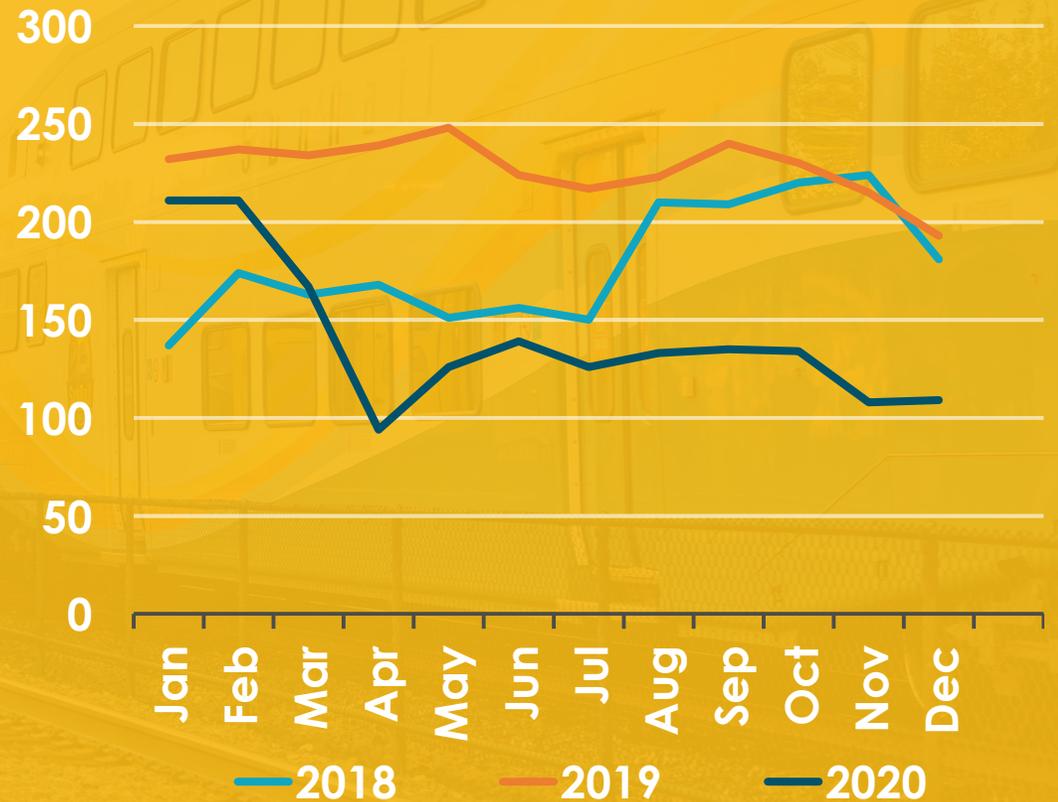
ADA

Oct – Dec Average: 9



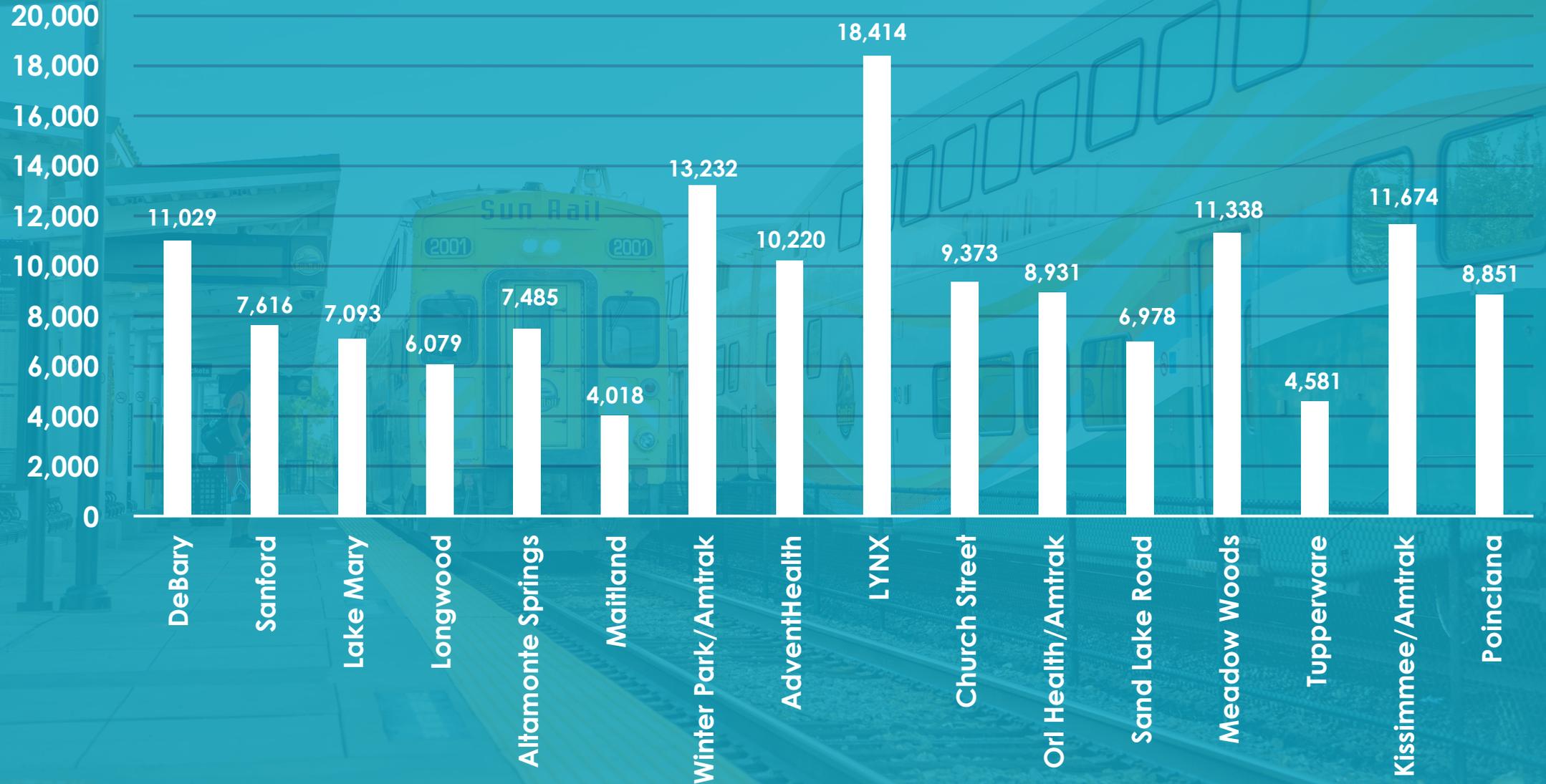
BICYCLE

Oct – Dec Average: 117



BOARDINGS BY STATION

Ridership October – December 2020



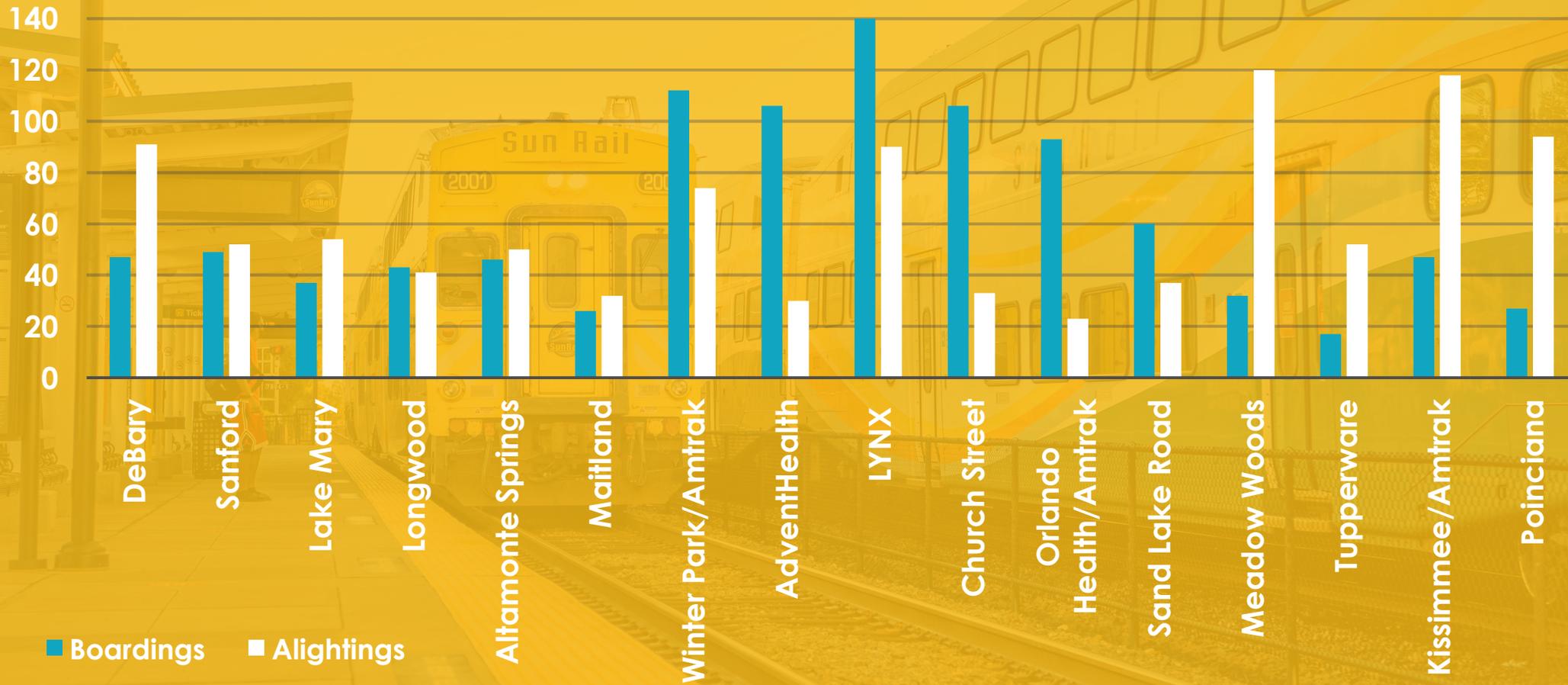
BOARDINGS & ALIGHTINGS

AM PEAK
5:45 AM – 8:45AM (NB from Poinciana)
October – December 2020



BOARDINGS & ALIGHTINGS

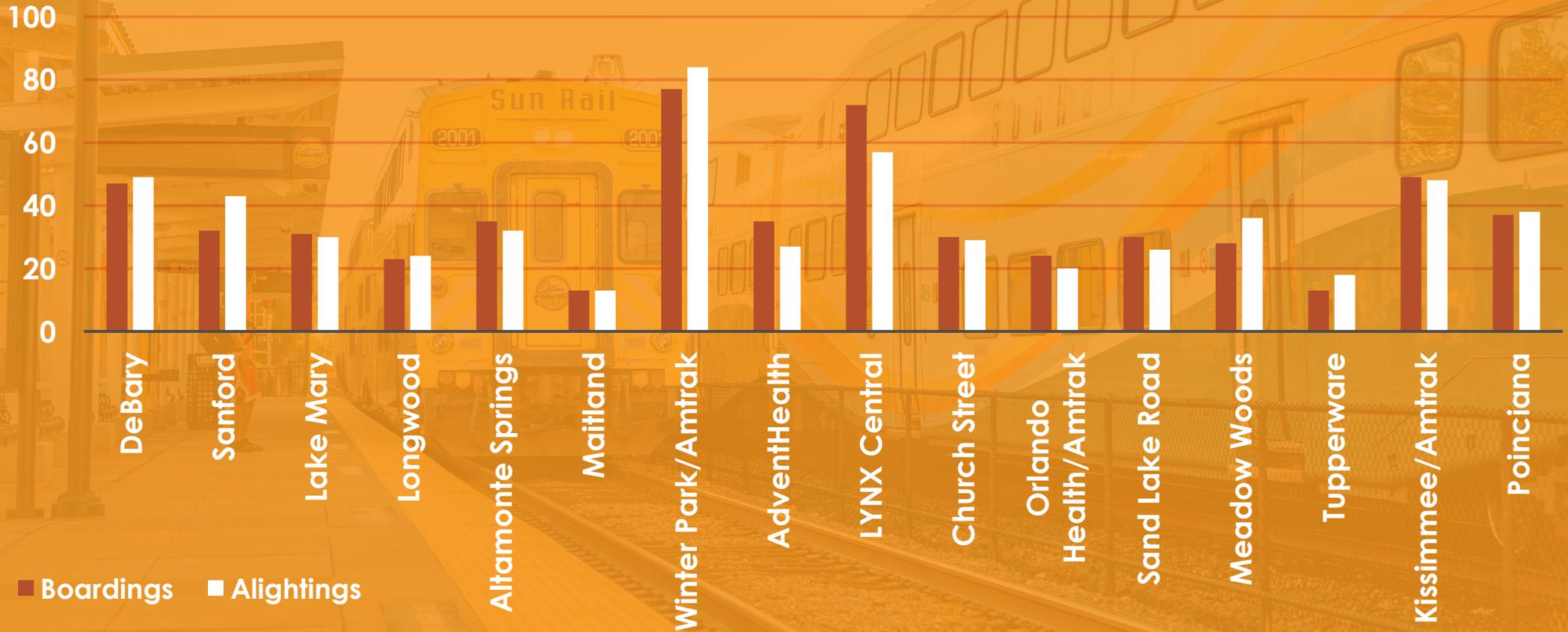
PM PEAK
3:15 PM – 6:25 PM (NB from Poinciana)
October – December 2020



BOARDINGS & ALIGHTINGS

OFF PEAK

10:45 AM – 2:45 PM; 7:25 PM – 9:55 PM (NB from Poinciana)
October – December 2020

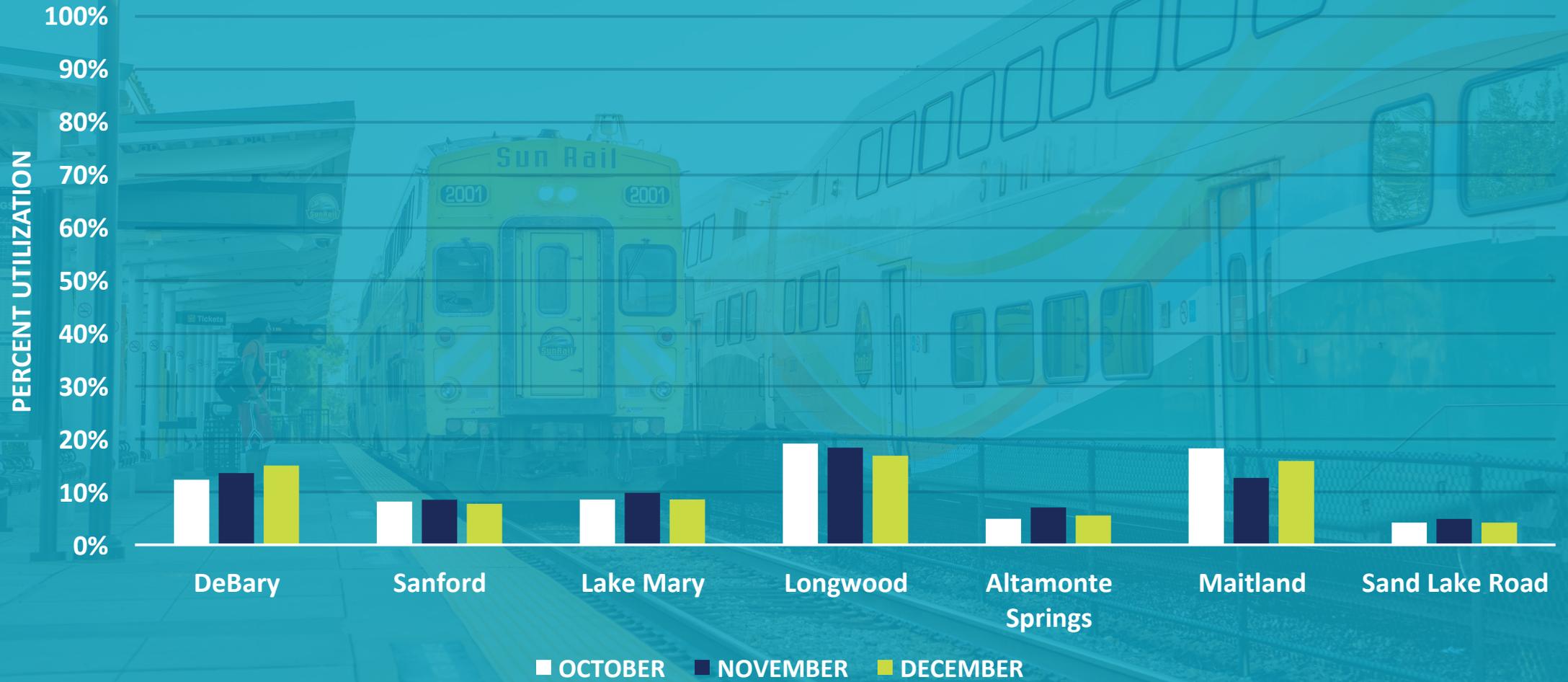




IOS STATION PARKING

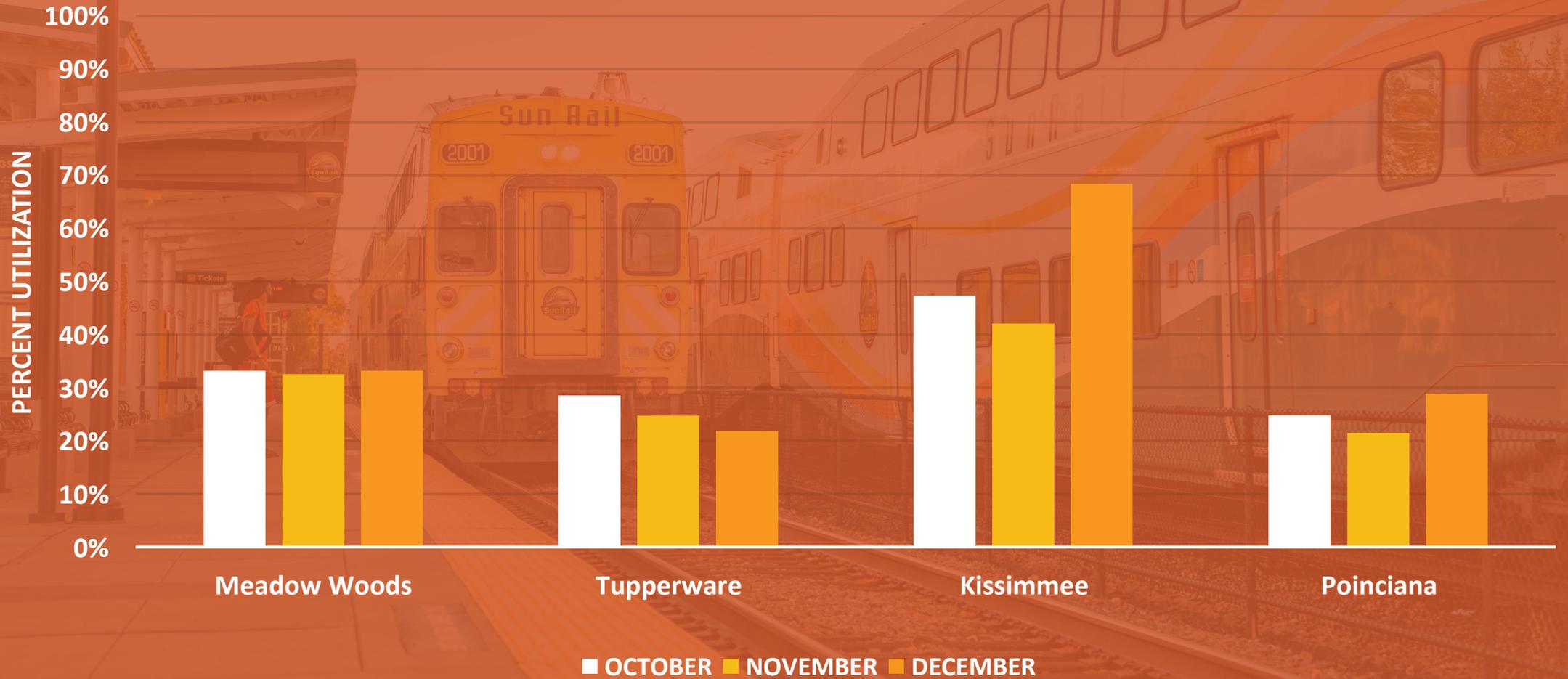


OCTOBER – DECEMBER 2020



SOUTHERN EXPANSION STATION PARKING

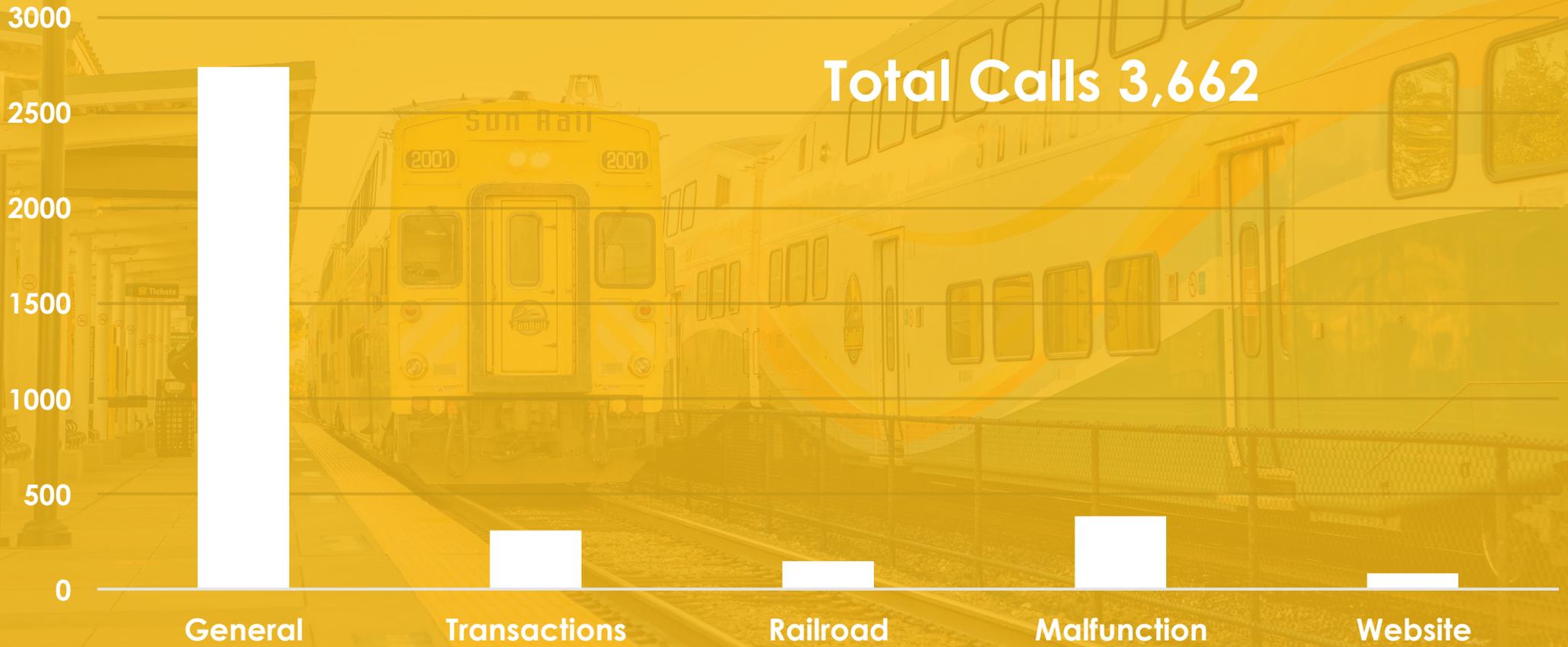
OCTOBER – DECEMBER 2020



CUSTOMER SERVICE CALLS

OCTOBER – DECEMBER 2020

Total Calls 3,662



ABOVE AVERAGE

- On-Time 55 Days
- 63 Operating Days
- Ran 2,520 Trains

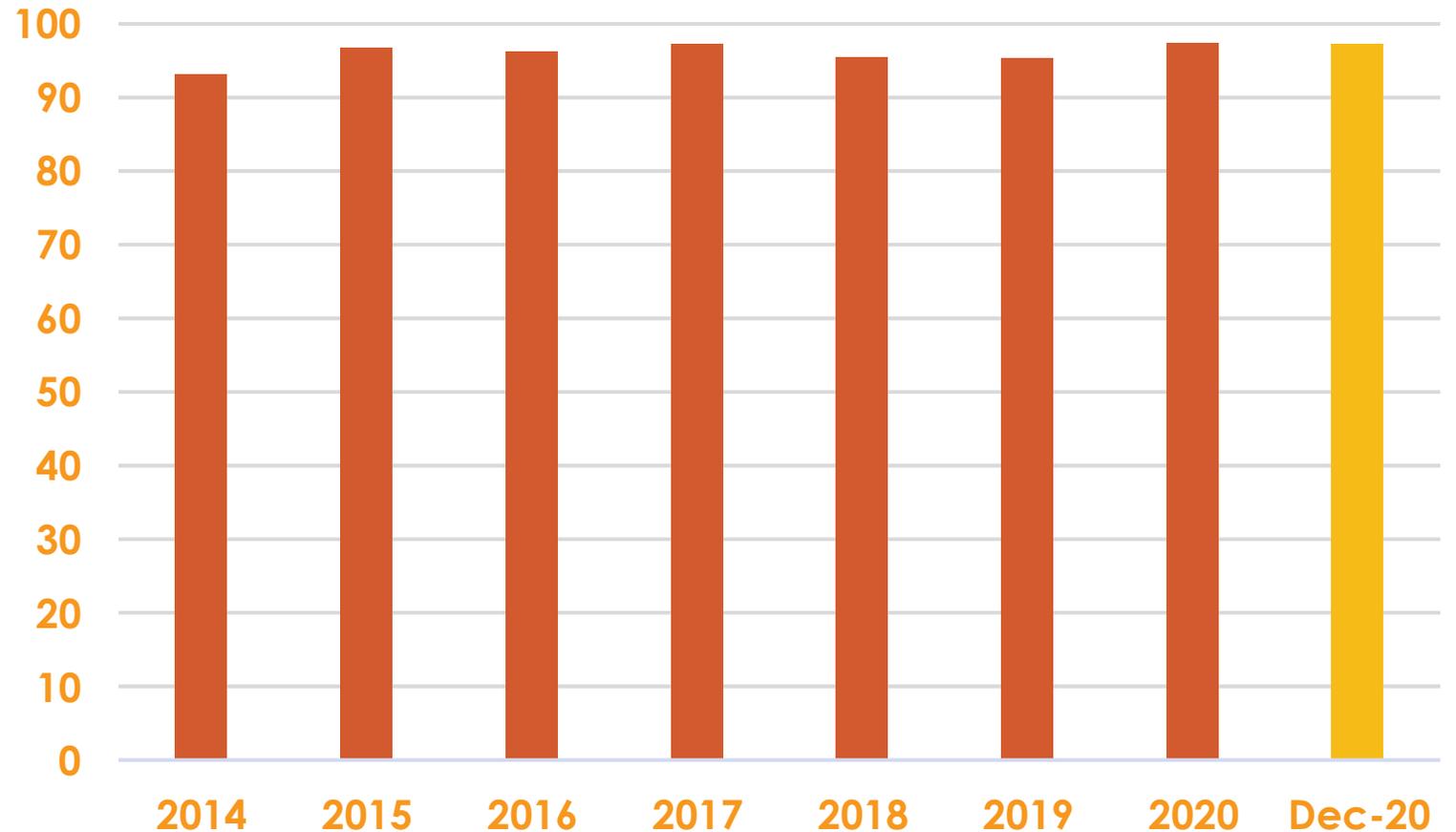
ON-TIME PERFORMANCE AVERAGE

October 2020 – December 2020

Goal = 95%

Actual = 97.3%

Contract = 99.2%



From inception and current month.

TRAIN PERFORMANCE DETAIL

OCTOBER – DECEMBER 2020

Train Performance Overview	Trains	Percentage
On-Time	2,451	97.3%
Late	61	2.4%
Annulled	8	0.3%
Total Trains Operated	2,520	100.0%

Performance Detail	Days	Trains	Percentage
Injuries/Illness	1	1	0.0%
Mechanical	16	28	1.1%
Other	6	10	0.4%
Passengers	1	1	0.0%
Signals & Components	6	6	0.2%
Trespasser/Grade Crossing/Near Misses	7	19	0.8%
Total (Rounded)		69	2.7%



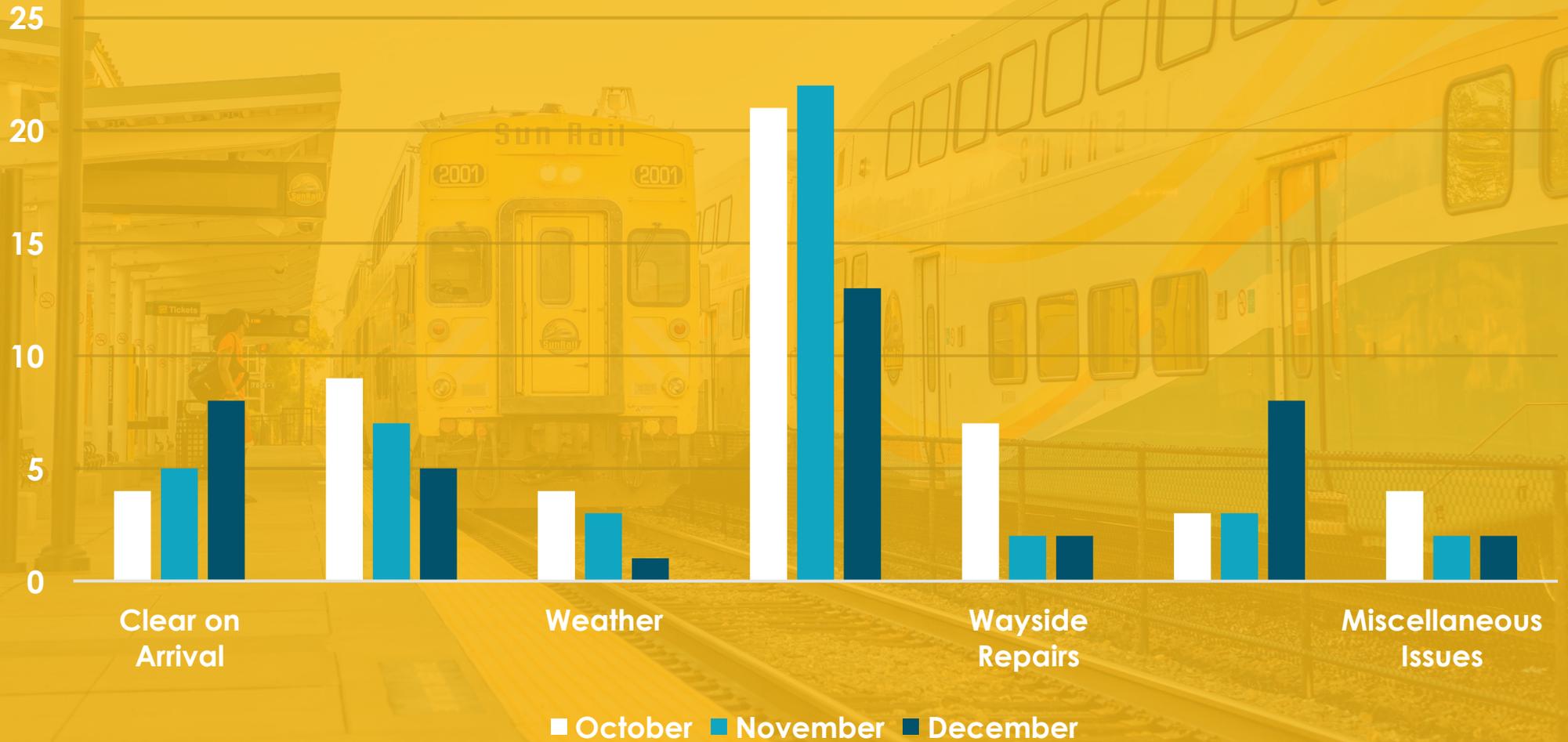
REVENUE INCIDENTS BY CITY/COUNTY

OCTOBER – DECEMBER 2020



CFRC SIGNAL SYSTEM INCIDENTS

OCTOBER – DECEMBER 2020



**FY20/21 OPERATING
BUDGET UPDATE**

OPERATING REVENUE

**ANNUAL
BUDGET**

**YEAR TO DATE
DECEMBER 31, 2020**

BUDGET	ACTUAL
---------------	---------------

Farebox revenue			
CSX usage fees			
Amtrak usage fees			
FCEN usage fees			
Right-of-way lease revenue			
Ancillary revenue			
<i>Subtotal - System revenue</i>			

\$ 1,109,140
\$ 3,760,457
\$ 1,075,395
\$ 29,163
\$ 103,234
\$ 354,966
\$ 6,432,355

\$ 554,570	\$ 437,537
\$ 1,880,229	\$ 1,594,684
\$ 537,698	\$ 419,385
\$ 14,582	\$ 13,541
\$ 51,617	\$ 43,561
\$ 177,483	\$ 315,951
\$ 3,216,178	\$ 2,824,659

FTA §5307 - Urbanized Area Grant Funds
2020 CARES Grant Funds

\$ 10,416,581
\$ 12,615,845

\$ 10,416,581	\$ 10,416,581
\$ 12,615,845	\$ 12,615,845

TOTAL OPERATING REVENUE

\$ 29,464,781

\$ 26,248,604 \$ 25,857,085

**FY20/21 OPERATING
BUDGET UPDATE**

OPERATING COSTS, CAPITAL MAINTENANCE AND CONSULTANT SUPPORT
Bombardier - Operations
Bombardier - Maintenance
Bombardier - Incentive/Disincentive
Conduent - Back-of-the-House Hosting
Conduent - Fare Equipment Maintenance
Herzog - Signal Maintenance of Way
Green's Energy - Fuel
Gallagher - Insurance
Amtrak - Heavy Vehicle Maintenance
Wells Fargo - Banking Services
Bank of America - Merchant Services (Banking)
MidFlorida - Armored Car Service
AT&T/Verizon - Wi-Fi Service
Fare Media Smart Card
Limited Use Smart Card
PTC O&M Costs
Bombardier - COVID Decontamination Services
<i>Subtotal - System operating costs</i>

ANNUAL BUDGET
\$ 10,721,416
\$ 16,423,480
\$ 1,357,245
\$ 961,324
\$ 2,281,026
\$ 3,271,522
\$ 2,015,072
\$ 2,153,781
\$ 1,395,428
\$ 5,029
\$ 96,840
\$ 45,387
\$ 35,262
\$ 31,147
\$ 445,851
\$ 5,000,000
\$ 4,479,310
\$ 46,239,810

YEAR TO DATE DECEMBER 31, 2020	
BUDGET	ACTUAL
\$ 5,360,708	\$ 5,063,199
\$ 8,211,740	\$ 8,414,792
\$ 678,623	\$ 658,500
\$ 480,662	\$ 453,072
\$ 1,140,513	\$ 1,055,620
\$ 1,635,761	\$ 1,714,730
\$ 1,007,536	\$ 588,671
\$ 2,153,781	\$ 4,646,454
\$ 697,714	\$ 436,393
\$ 2,515	\$ 2,061
\$ 48,420	\$ 12,173
\$ 22,694	\$ 12,420
\$ 17,631	\$ 8,330
\$ 15,574	\$ 33,978
\$ 222,926	\$ 202,200
\$ 2,500,000	\$ 1,670,280
\$ 2,239,655	\$ 1,374,374
\$ 25,359,560	\$ 26,347,248

Feeder Bus Expenses
Capital Maintenance
Consultant Support

\$ 2,028,263
\$ 8,912,000
\$ 9,404,698

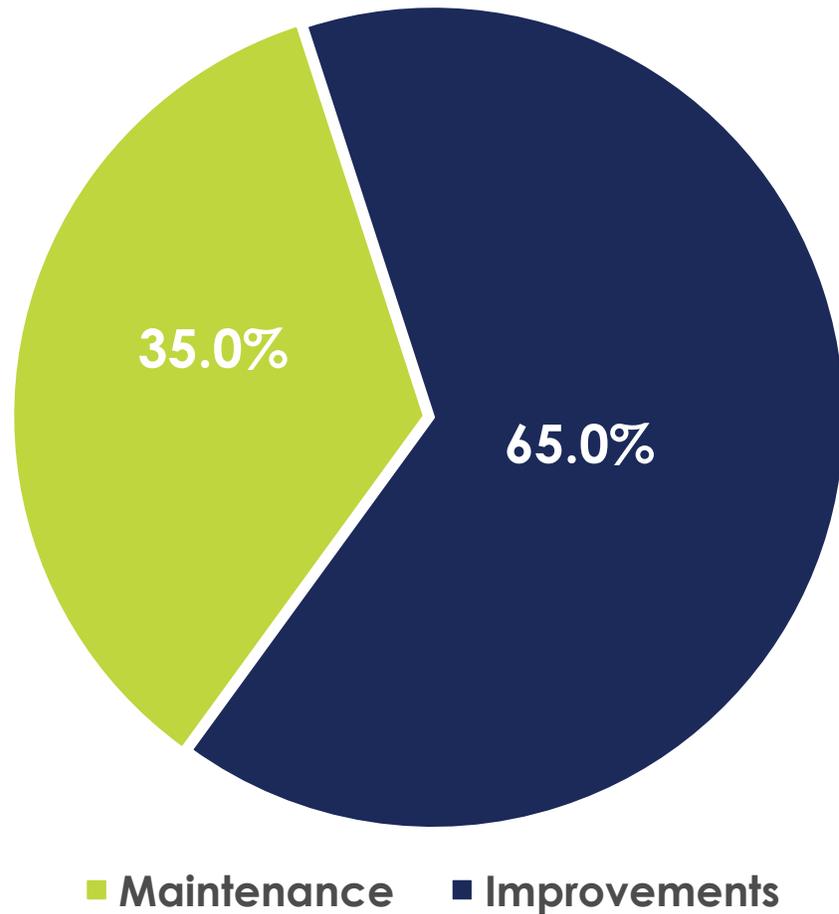
\$ 1,014,132	\$ 658,636
\$ 4,456,000	\$ 4,505,694
\$ 4,703,224	\$ 6,307,260

TOTAL OPERATING COSTS, CAPITAL MAINTENANCE AND CONSULTANT SUPPORT
--

\$ 71,064,081

\$ 35,532,916	\$ 37,818,838
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CAPITAL MAINTENANCE



■ Maintenance

Non-recurring corrective or preventive maintenance or in-kind replacement

■ Improvements

Extend the useful life, increase the value or add new uses

December 2020

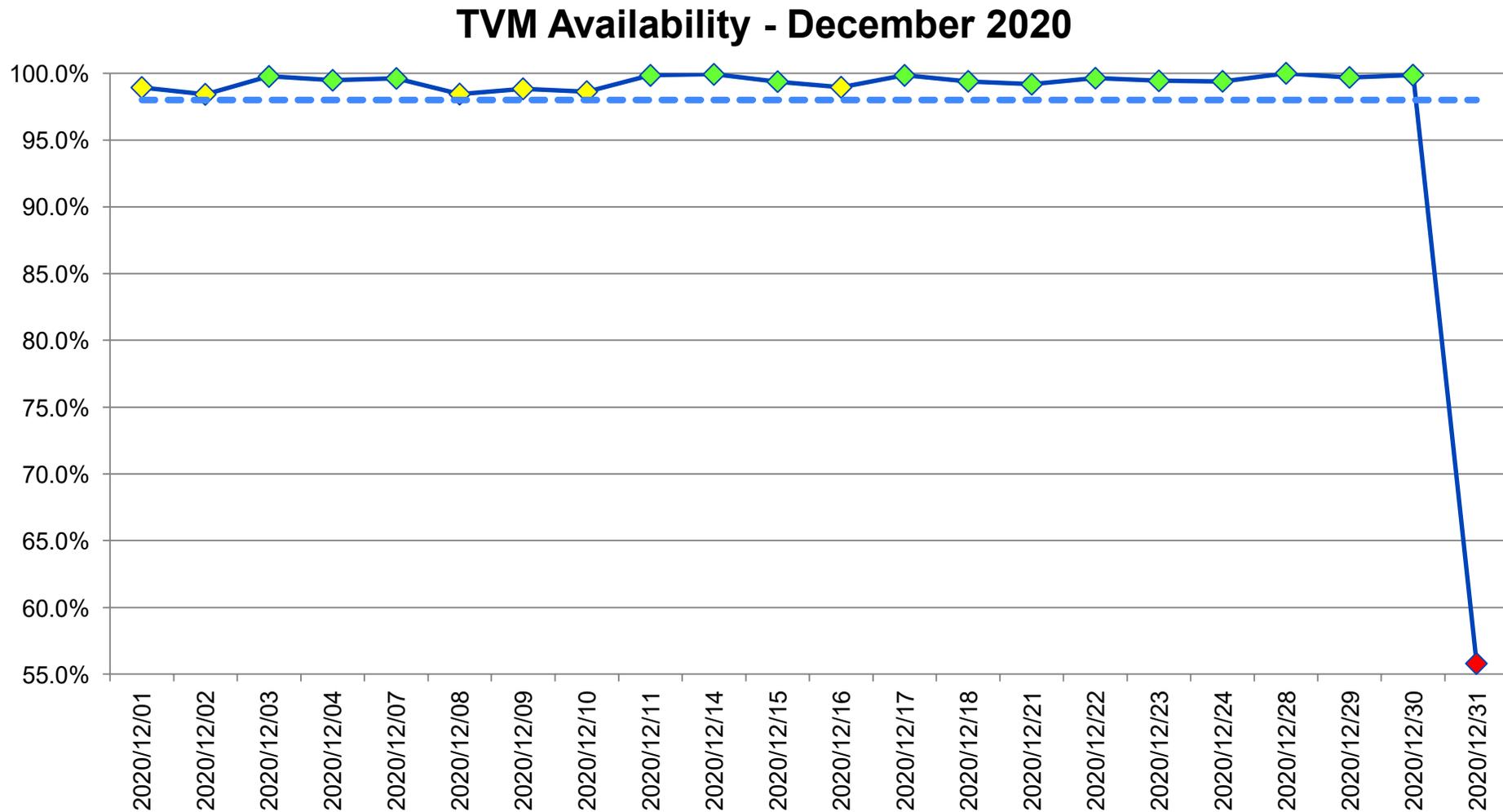
Data: December 1 – December 31, 2020

SunRail Hardware Maintenance

Management Review

Device Availability (TVMM)

Operation Hours = 18 hours, Mon-Fri
TVMs – 64
Target SLA – 98%



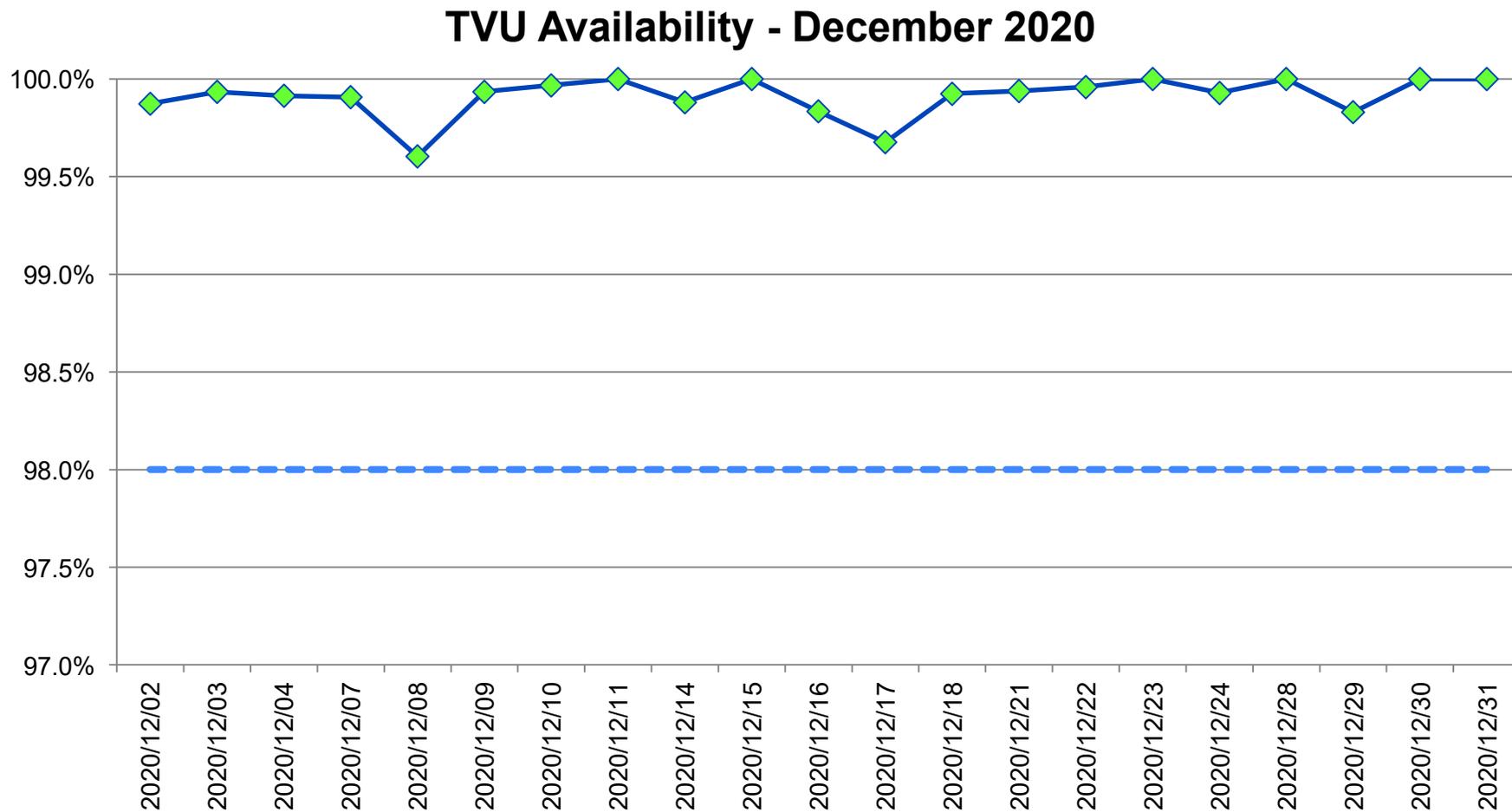
Availability target met daily this month, except for 12/31/2020. A server in the back office malfunctioned, affecting credit/debit card processing at all TVMs for several hours.

Device Availability (TVU)

Operation Hours = 18 hours, Mon-Fri

TVUs – 96

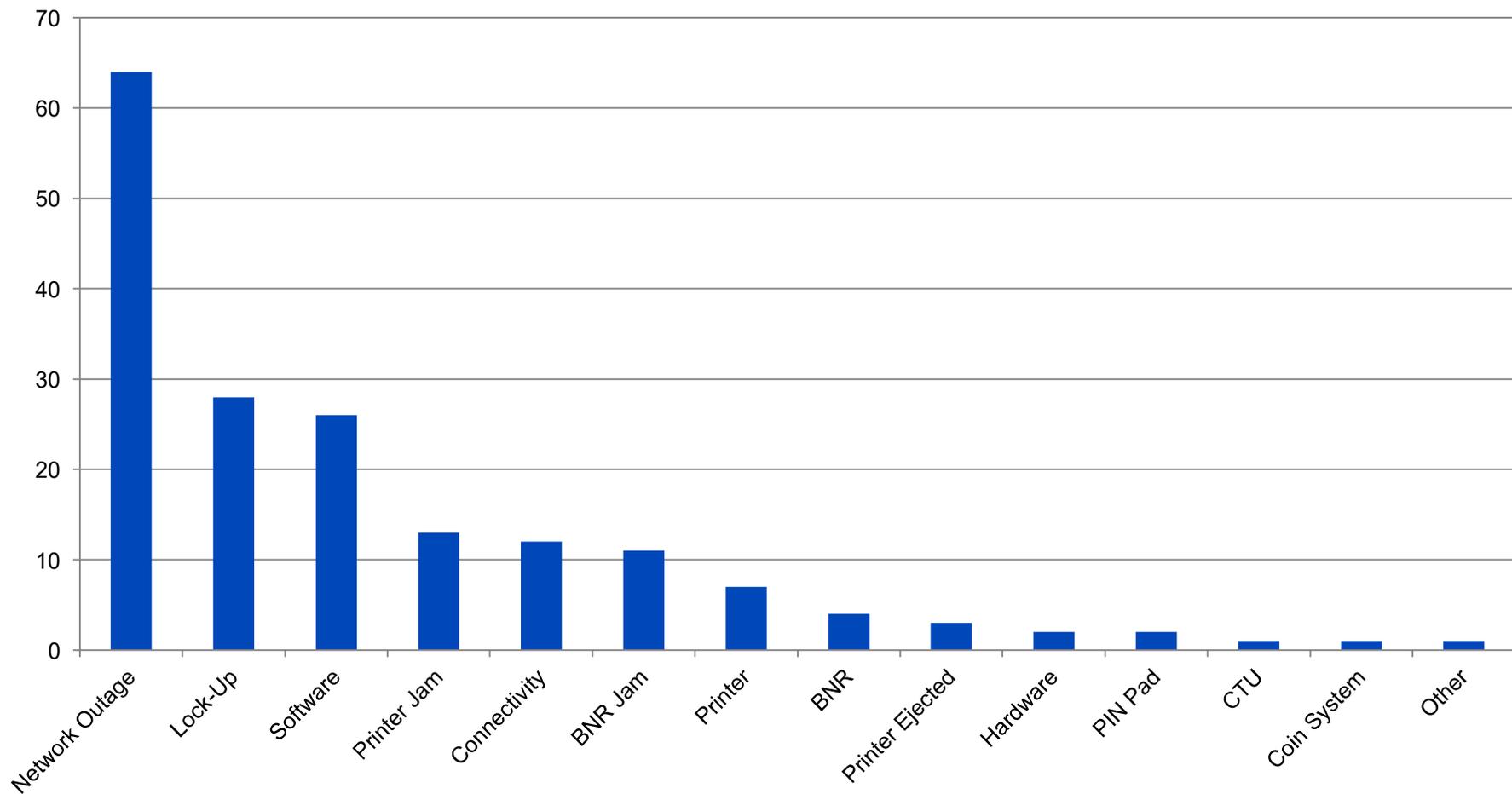
Target SLA – 98%



Availability target met daily this month.

Errors Found – Technical in Nature

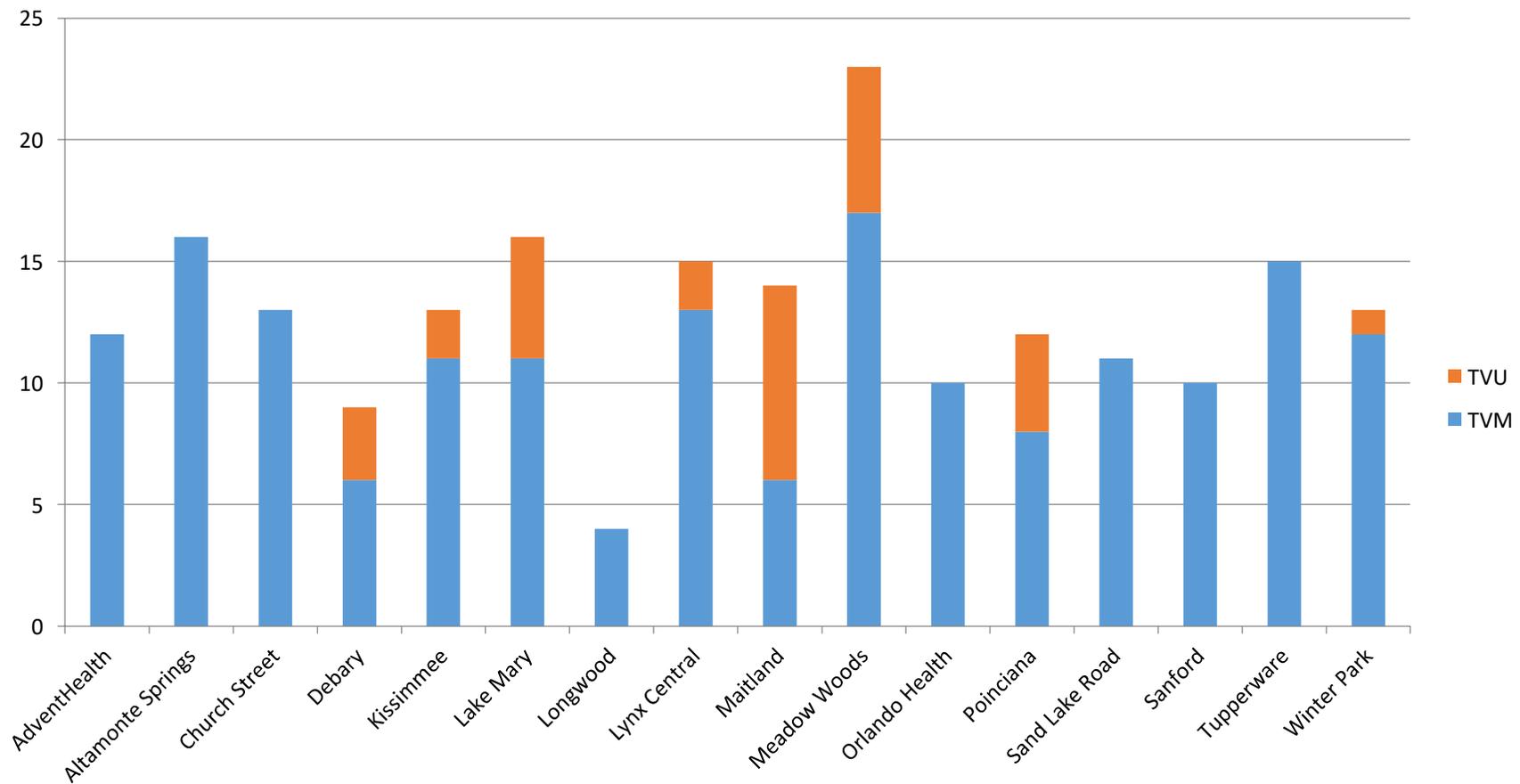
TVM Events - December 2020



Number of technical issues by key issue types.

Errors per Station

Chargeable Events by Station - December 2020



Number of TVM and TVU issues by station.

