Jacksonville Transportation Authority - Major Capital Projects

October 30, 2019

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Construction & Capital Programs
Jacksonville Transportation Authority - Major Capital Projects Progress Update

- **Agenda:**
  - **Jacksonville Regional Transportation Center at LaVilla (JRTC)**
    - JRTC Intercity Bus Terminal - Phase I
    - JRTC - Phase II
      - Phase II: Progress Update
      - Phase II: Transition and Move Schedule
  - **First Coast Flyer (FCF) Bus Rapid Transit Program**
    - Phase I - Downtown
    - Phase II – FCF North Corridor
    - Phase III – FCF Southeast Corridor
    - Phase IV – FCF East Corridor
    - Phase V – FCF Southwest Corridor
  - **Florida Department of Transportation (FDOT) Local Agency Program (LAP)**
    - Atlantic Beach Elementary – Sherry Drive
    - Livingston & Brentwood Elementary and Butler Middle
  - **Americans with Disabilities Act (ADA) Bus Stop Accessibility Improvement Program**
    - ADA Bus Stop Improvements
Jacksonville Transportation Authority - Major Capital Projects Progress Update

- Agenda: (cont.)
  - JTAMobilityWorks Program
    - Completed Roadworks Projects:
      - Previously Completed Projects
      - Fiscal Year 2019 Completed Projects
    - Kernan Boulevard (Atlantic Boulevard to McCormick Road)
    - Parramore Road Extension (Parramore Road to Youngerman Circle)
    - Alta Drive (South of Faye Road North to Burkit Lane)
    - Collins Road (Old Middleburg Road to Rampart Road)
    - San Pablo Road (Beach Boulevard to Atlantic Boulevard)
    - McDuff Avenue and 5th Street Phase III (Huron Avenue to Melson Avenue)
  - Roadworks Projects on Hold:
    - Southside Boulevard and Atlantic Boulevard Intersection
    - Tinseltown Intersections (Gate Parkway, Touchton Road and Hogan Road)
  - St John’s River Ferry Rehabilitation Program
    - St. Johns River Ferry Rehabilitation – Phases I – III
    - St. Johns River Ferry Rehabilitation – Phase IV
Agenda: (cont.’)

- **Complete Streets Keystone Projects**
  - University Boulevard - Merrill Road Corridor
  - Other Complete Streets Keystone Projects
    - Lenox Avenue Corridor (Normandy Boulevard to Cassat Avenue)
    - Main Street Corridor (1st Street to 8th Street)
    - 8th Street Corridor (I-95 to Boulevard)

- **Sustainability/State of Good Repair Projects**
  - Myrtle Avenue Campus Service Station Improvements
  - Myrtle Avenue Campus Lighting Enhancements
  - Kings Avenue Garage Repairs
  - Acosta Bridge Re-Lighting Project
JRTC Intercity Bus Terminal – Phase I
Council District 7 (Gaffney)

- Phase I: InterCity Bus Terminal Factoids:
  - Sited on 2.07 Acres
  - 9,660 SF Terminal Building:
    - 4,250 SF Passenger Waiting and Queuing
    - 2,440 SF Administration
    - 2,970 SF Restroom and Back of House
  - 24,500 SF Bus Apron Area
    - 6 Operating and 4 Bus Staging Bays
    - Fuel Storage Area
  - Facility Operational State:
    - Completed in February 2018
    - Construction Cost: $8,394,089
    - Greyhound Operations – April 2018
    - MegaBus Operations – May 2018
    - LEED Silver Certification – May 2018
JRTC – Phase II
Council District 7 (Gaffney)

- **Phase II: Campus Factoids:**
  - Sited on 3.85 Acres
  - 66,937 SF Administration Complex:
    - 40,762 SF Net Usable Space
    - 4,485 SF Back of House
    - 19,565 SF Circulation
    - 2,125 SF External Open Space
  - 22,000 SF Entrance Plaza
  - Bus Transfer: 21 Service and 7 Staging Bays
  - VIP Parking and 840 SF Customer Service Area
  - Campus-wide Elements:
    - Elevated Pedestrian Bridge Connection
    - Distributed Antennae System
    - Accessible/Sustainable Information Kiosk
    - Total Lease Space – 4,800 SF
    - Construction Cost: $49,057,517
Phase II: Progress Update:

Construction Elements Completed:
- Structural Steel Erection – January 10, 2018
- Piling and Foundations – July 26, 2018
- Permanent Power Energized – April 28, 2019
- Interior Partitions – August 30, 2019
- Underground Utilities – September 15, 2019
- Roofing – September 16, 2019
- Final Building Dry-In – September 16, 2019
- Permanent HVAC – September 23, 2019

Construction Underway:
- Building Enclosure System
- Interior Finishes and Millwork
- Heating and Ventilation Systems
- Elevators
- Bus Transfer Structure and Canopy
- Electrical and Lighting
- Communications Systems
- Life Safety Systems Testing
Phase II: Progress Update: (cont.’)

Upcoming Completion Milestones:

- Life Safety Testing – October 30, 2019
- Final Electrical and Lighting – October 30, 2019
- Final Building Finishes – December 31, 2019
- Hardscape and Landscaping – January 21, 2020
- Furniture and Fixed Assets Installation – January 21, 2020
- Bus Transfer Canopy – January 28, 2020
- Communications and Signage – January 31, 2020

Substantial Completion – January 31, 2020

Final Completion and Occupancy – March 31, 2020

Other Substantial Completion Milestones:

- Skyway Station Improvements – January 21, 2020
- Re-establishing Skyway Service to JRTC – March 31, 2020
- W. Forsyth Street Roadway Improvements – March 31, 2020
- Pedestrian Bridge – April 2, 2020
Phase II: Transition & Move Schedule:

- **Substantial Completion**
  - Skyway Station Improvements Substantially Complete
  - JRTC IT Testing Substantially Complete
  - January 31

- **Operations Dry-Run**
  - February 6-7

- **JRTC PHASE 1 Move**
  - (CEO & Support Staff)
  - February 3

- **JRTC PHASE 2 Move**
  - (Admin Bldg Opens)
  - February 24

- **JRTC PHASE 3 Move**
  - (New Ops Staff Begins Work at JRTC)
  - February 28

- **JRRTC Final Punch List Complete**
  - March 31

- **All JRTC Bus Operations Open to Public**
  - March 30

- **Transition Procedures & Plans Underway**
FCF Bus Rapid Transit Program:
The FCF Bus Rapid Transit program is an initiative to design and construct 57 miles of bus rapid transit infrastructure, for four corridors to include 81 stations with branded shelters, transit signal priority, ticket vending machines, and information kiosks.

- Phased Program Implementation:
  - Total Program Funding - $137.6 m
  - Phase I: Downtown (2015) - $13.4 m
  - Phase II: North Corridor: Green Line (2015) - $33.2 m
  - Phase III: Southeast Corridor: Blue Line (2016) - $23.8 m
  - Phase IV: East Corridor: Red Line (2018) - $34.0 m
  - Phase V: Southwest Corridor: Orange Line - $33.2 m

- Largest Bus Rapid Transit System in Southeast USA
  - 57.76 Bus Rapid Transit Miles
  - 80 Bus Rapid Transit Station Platforms
  - 92 FCF Shelters
  - 59 Totems
  - 15 Ticket Vending Machines
  - 53 New FCF Compressed Natural Gas (CNG) Buses
  - 96 Transit Signal Priority Intersections
Phase V – FCF Bus Rapid Transit Southwest Corridor (Orange Line)

Council Districts 7, 9 & 14 (Gaffney, Dennis & DeFoore)

- Southwest Bus Rapid Transit Corridor Elements:
  - 12.9 Service Route Miles
  - 22 Station Platforms (12 Stations)
  - 31 FCF Shelters
  - 22 Totems
  - Trash Cans and Bike Racks at Stations
  - 1 Mile of Bus Lane NB and SB – Morse Avenue to 103rd Street
  - 24 Transit Signal Priority Intersections
  - 15 New FCF CNG Buses
Phase V – FCF Bus Rapid Transit Southwest Corridor (Orange Line)  
Council Districts 7, 9 & 14 (Gaffney, Dennis & DeFoor)

- **Design and Engineering Activity:**
  - Station Design Complete and Permitting Underway
  - Schedule and Cost Estimate Submitted to the Federal Transit Administration (FTA)

- **Procurement Activity:**
  - Advertisement Underway for Construction Engineering Inspection Services
  - Construction Packaging Underway for Advertisement
  - Contract Awards on Track for December 2019
Phase V – FCF Bus Rapid Transit Southwest Corridor (Orange Line)
Council Districts 7, 9 & 14 (Gaffney, Dennis & DeFoor)

- **Construction Activity:**
  - Station Plans Finalized
  - Intersection Scope – Pending FDOT Approval
  - Scheduled Station Completion - December 7, 2020

- **Vehicle Acquisition Activity:**
  - Bus Production Underway
  - Bus Purchase Order Scheduled - December 2019

- **Oversight Activity:**
  - FTA Readiness Review Complete
  - Federal Grant Agreement Anticipated - December 2019
JTA is partnering with FDOT through LAP to improve pedestrian and bicycle safety in Jacksonville, through completion of sidewalk networks to schools, transit, and throughout Northeast Florida.

- **Atlantic Beach Elementary School – Sherry Drive**  
  *Council District 13 (Diamond) - $605 k*  
  Construction Completed in July 2019 with a total of 6,143 linear feet (1.4 miles) of sidewalk constructed.

- **Livingston & Brentwood Elementary and Butler Middle School**  
  *Council District 9 (Dennis) - $1.3 m*  
  Sidewalk on West 2\textsuperscript{nd} Street has been completed.  
  Sidewalk construction is continuing on 6\textsuperscript{th} Street, Powhatten Street, Dot Street and L. Engle Street and McMillan Street.  
  Scheduled Completion - November 2019.
ADA Bus Stop Improvements:

All Council Districts

The JTA has a program to update the ADA Accessibility of Bus Stops. As of the end of fiscal year 2019, 1,435 bus stops are ADA compliant out of 2,634 total stops. Compliance includes sidewalks, ramps, tactile warning tile.

- Fiscal Year 2019 Accessibility Improvement Program Plan:
  - Fiscal Year 2019 Goals and Objectives Achieved
  - Increase in ADA Compliant Stops - 13.24%
  - Construction Cost - $3 m

- Fiscal Year 2020 Improvement Plans:
  - Minimum 239 Stops Planned for Improvements
  - Budget - $2.6 m
Roadway and Transit improvements performed in Duval County funded through $100.5 million in revenue bonds pursuant to the extension of the Local Option Gas Tax (LOGT)

Program includes:
The design, engineering and construction of 13 roadway projects, and improvements in 14 mobility corridors
Completed Roadworks Projects:

- **Completed Construction Projects:**
  - Old St. Augustine Road – Greenland Road Intersection - Council District 6 (Boylan)
  - Soutel Drive Transit Hub - Council District 10 (Jackson)
  - Mandarin Road Pedestrian Improvements - Council District 6 (Boylan)
  - Girvin Road (Atlantic Boulevard to Wonderwood Drive) – Council Districts 2 & 3 (Ferraro & Bowman)

- **Completed Design Projects:**
  - Blanding Boulevard Intersections:
    - *Council Districts 9, 10 & 14 (Dennis, Jackson & DeFoor)*
    - Design 90% Complete
  - Collins Road (Blanding Boulevard to Pine Verde Lane):
    - *Council Districts 9 & 14 (Dennis & DeFoor)*
    - Project Development and Environmental Study Complete
Kernan Boulevard (Atlantic Boulevard to McCormick Road)
Council Districts 2 & 3 (Ferraro & Bowman)

- **Project Scope:**
  Reconstruct the existing roadway into a six-lane, divided urban section with a raised median from Atlantic Boulevard to Matthew Ungar Drive and a four-lane section from Matthew Unger Drive to McCormick Road. Typical section includes utility improvements, curb and gutter, sidewalks and a 12-foot multi-use path on east side.

- **Design and Engineering Activity:**
  - Design Complete

- **Construction Activity:**
  - Corrugated Metal Pipe Replacement Complete - May 2019
  - Box Culvert Wall Construction on East Side Complete
  - Multi-Use Path Complete from Ashley Melisse Boulevard to Atlantic Boulevard
  - Roadbed Subgrade Work Continues
  - Pond 3C Under Construction
  - All Roadway Traffic Shifted to the West Side - August 6, 2019
  - Construction Cost - $25.9 m
  - Scheduled Completion - September 2020
Parramore Road Extension (Parramore Road to Youngerman Circle)  
*Council District 14 (DeFoor)*

- **Project Scope:**
  Construct a new two-lane urban section with curb and gutter and sidewalks for the southern segment of proposed extension. The constructed segment must tie into the north segment of roadway, which is being constructed by a developer. Upon completion, this project will provide an extension of existing Parramore Road to Youngerman Circle.

- **Design and Engineering Activity:**
  - Joint-Use Agreement Discussions Underway
  - Final Construction Packaging Dependent on Agreement Resolution
  - Estimated Construction Cost - $3.6 m
  - Scheduled Completion – October 2020
Alta Drive (South of Faye Road North to Burkit Lane)
Council District 2 (Ferraro)

- **Project Scope:**
  Reconstruct the existing roadway to a six-lane, divided urban section roadway from I-295 to Faye Road, a four-lane, divided urban section from Faye Road to the bridge over Rushing Branch Creek and a five-lane undivided urban section northward to Burkit Lane. This includes bike lanes, sidewalks and a closed drainage system. Upon completion, this project will provide much needed capacity improvements and improve traffic flow through the corridor.

- **Design and Engineering Activity:**
  - Right-of-Way Acquisition Underway
  - Final Design and Bid Package Preparation Underway
  - Estimated Construction Cost - $26.6 m
  - Scheduled Completion - December 2021
Collins Road (Old Middleburg Road to Rampart Road)
Council Districts 9, 12 & 14 (Dennis, White & DeFoor)

- **Project Scope:**
  Reconstruct the existing roadway to a four-lane, divided urban section with raised medians, utility improvements, closed drainage system, bike lanes and sidewalks.

- **Design and Engineering Activity:**
  - Design Complete

- **Construction Activity:**
  - Curb and Gutter and Drainage Installation Complete from Old Middleburg Road to Rampart Road
  - AT&T Completed Relocation of Overhead Lines
  - North Bridge Beams Set - August 13, 2019
  - Limerock Placement Continues - Westport to McGirts Creek Bridge
  - Sidewalk Forms Placement Continues
  - Construction Cost - $23.0 m
  - Scheduled Completion – March 2021
San Pablo Road (Beach Boulevard to Atlantic Boulevard)
Council Districts 3 & 13 (Bowman & Diamond)

- **Project Scope:**
  Reconstruct the existing roadway into a three-lane, divided urban section with a raised median from Beach Boulevard to Crystal Cove and from Osprey Lane to Atlantic Boulevard. The typical section includes two through lanes and center turn lane, as well as bike lanes and sidewalks throughout. From Crystal Cove to Osprey Lane the roadway will be widened as a rural typical section with two through lanes and center turn lane, shoulders and sidewalk continuity will be provided.

- **Design and Engineering Activity:**
  - 100% Plans Complete – September 2019
  - Temporary Construction Easements and Right-of-Way Acquisition
  - Second public meeting conducted on July 25, 2019
  - Team Continues to Coordinate with Home Owners Associations to Discuss Tree Mitigation, Design and Lighting
  - Coordination with JEA (Design Utility Impacts) Continue
  - Estimated Construction Cost - $21.7 m
  - Scheduled Completion - December 2021
McDuff & 5th Street Phase III (Huron Avenue to Melson Avenue)
Council District 9 (Dennis)

- **Project Scope:**
  Construct drainage improvements and minimal widening from Huron Avenue to Melson Avenue. Work includes asphalt, curb and gutter, sidewalks and closed drainage system.

- **Design and Engineering Activity:**
  - Draft Bid Package Finalized and Procurement Underway
  - Right-of-Way Acquisition Nearing Completion
  - Estimated Construction Cost - $6.1 m
  - Scheduled Completion - December 2020
Roadworks Projects on Hold:

- **Southside Boulevard and Atlantic Boulevard Intersection**  
  *Council District 1 (Morgan)*
  Complete design of at-grade traffic improvements for the intersection of Southside Boulevard and Atlantic Boulevard. The project is funded for design only. No construction will occur through the JTAMobilityWorks Program.
  ≡ Design Contracted and on Hold

- **Tinseltown Intersections (Gate Parkway, Touchton Road & Hogan Road)**  
  *Council District 4 (Wilson)*
  Complete design of improvements along the Southside Boulevard corridor to improve traffic movements at the following intersections: Gate Parkway, Touchton Road and Hogan Road. The project is funded for design only. No construction will occur through the JTAMobilityWorks Program.
  ≡ Design Contracted and on Hold
As part of the LOGT legislation passed by the City, operation of the St. Johns River Ferry transferred to the JTA.

- JTA and the Ferry Commission obtained FTA funding for rehabilitation work on the existing facilities.

**Program includes:**

- Rehabilitation to address deficiencies identified by FDOT which include the fender system used as a docking basin for the ferryboat on both sides of the St. Johns River, along with the existing terminal bridges and seawalls.
- The Rehabilitation work is being implemented in phases, and Phases I through III have been completed.
St. Johns River Ferry Rehabilitation Program – Phases I – III (Complete)

- Completed Project Scope:
  Addressing infrastructure deficiencies; including replacement of the fender system, pile boxes, turning dolphins, whalers, terminal bridges, seawall, walkways, rescue ladders, and stopping mechanisms.

St. Johns River Ferry Rehabilitation Program – Phase IV

- Project Scope:
  The FTA provided funding to add UHMW vertical panes to the slipwalls based on recommendations of marine engineers BergerAbam, Seattle, WA. Additionally, FTA provided funding to complete site safety improvements at Ferry terminals.

- Design and Engineering Activity:
  - Slip Wall Vertical Panels Project Advertised for Bid - August 13, 2019
  - Request for Proposal Underway for ADA and Site Safety Elements
  - Estimated Construction Cost - $6.3 m
  - Scheduled Completion - January 2021
University Boulevard – Merrill Road Corridor
Council District 1 (Morgan)

- **Project Scope:**
  - Intersection improvements to replace the signal with a round about, sidewalks and multi-use path

- **Design and Engineering Activity:**
  - City 10-Set Approval Obtained
  - Coordination with Jacksonville University on Plans and Construction Timing
  - Final Bid Packaging Completed and Procurement Underway
  - Awaiting Jurisdictional Transfer of Right-of-Way from the FDOT to the City of Jacksonville
  - Estimated Construction Cost - $2.3 m
  - Scheduled Completion - April 2021

**Intersection Design:**
- Reduces Travel Speeds
- No Lane Changes in Roundabout Entering Traffic Yields
- Accommodates all Travel Modes
**Other Complete Streets Keystone Projects:**

- **Lenox Avenue Corridor (Normandy Boulevard to Cassat Avenue)**
  *Council District 9 (Dennis)*
  Traffic study and roadway design to determine lane requirements to reduce the travel lanes and add a median and bike lane.
  - Final Roadway Design Approved by the City
  - Preparation of Bid Documents Underway

- **Main Street Corridor (1st Street to 8th Street)**
  *Council Districts 7 & 8 (Gaffney & Pittman)*
  Traffic study for Springfield area lane conversion to include bike lanes and striped crosswalks.
  - Preliminary Engineering Complete and Concepts Being Advanced for Ultimate Urban Circulator (U^2_C) Program

- **8th Street Corridor (I-95 to Boulevard)**
  *Council District 7 (Gaffney)*
  Enhancements for pedestrian safety including planted medians, mid-block crossings, refuge islands, crosswalks, and curb modifications. Includes JEA water upgrades.
  - Construction Agreement with FDOT Obtained
  - Bid Documents Complete and Construction Procurement Underway
  - Estimated Construction Cost - $2.4 m
  - Scheduled Completion - January 2021
Jacksonville Transportation Authority - Major Capital Projects
Sustainability / State of Good Repair Projects

Sustainability/State of Good Repair Projects:
The JTA continues to focus on increasing sustainability through project development to become more resource efficient.

- **Myrtle Avenue Campus Service Station Improvements**
  
  *Council District 9 (Dennis)*
  
  New station roof with solar panels, solar bus wash heating system, and lighting enhancements
  
  ≡ 60% Conceptual Design Report Complete

- **Myrtle Avenue Campus Lighting Enhancements**
  
  *Council District 9 (Dennis)*
  
  Upgrades to all exterior lighting to LED lamps
  
  ≡ Rough-in Continues and is Nearing Substantial Completion
  ≡ Estimated Construction Cost - $639 k
  ≡ Scheduled Completion – September 2020

- **Convention Center Skyway Station Improvements**
  
  *Council District 7 (Gaffney)*
  
  Upgrades and improvements to bring the Skyway station into a state of good repair
  
  ≡ Construction Adjacent to JRTC
  ≡ Construction Cost - $2.4 m
  ≡ Scheduled Completion – January 2020
Sustainability/State of Good Repair Projects:

- **Kings Avenue Garage Repairs**
  
  *Council District 5 (Cumber)*

  Final garage repairs to replace failing brackets, repair canopies and brackets, coating of exposed steel members and railings, and clean and seal all joints.

  - Procurement for Phase IV Improvements is Underway
  - Planned Design-Build Contract Award - October 2019
  - Construction Cost - $1.5 m
  - Scheduled Completion - December 2020

- **Acosta Bridge Re-Lighting Project**
  
  *Council District 5 (Cumber)*

  Replacement of bridge programmable accent lighting with LED lights.

  - Design-Build Contract Executed
  - Safety Training/Field Work Underway
  - Lighting Mock-Up Demonstration Complete
  - Construction Cost - $2.3 m
  - Scheduled Completion – June 2020
Thank you