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|  | Florida ITS Architecture Support and Maintenance Project  Final District 2 Major Update Report  Version 1.0 |

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# Introduction

The purpose of this District 2 Regional Intelligent Transportation System (ITS) Architecture (RITSA) Major Update Report is to document revisions made to the District 2 RITSA to support Stakeholder review.

This Major Update Report for the Florida District 2 RITSA identifies the revisions incorporated into the architecture. The revisions reflect the inputs of stakeholders as part of the Florida Intelligent Transportation Systems (ITS) Architecture Support and Maintenance Project. Information was gathered from Stakeholders through an Initial Review Report and Meeting conducted on September 30, 2019, and a Stakeholder Workshop conducted on January 23, 2020. Additional information was gathered from Stakeholders based on the review of the Draft version of this District 2 RITSA Major Update Report.

The revisions to the District 2 RITSA include project implementation and plans, transportation and technology initiatives being pursued by stakeholders, and opportunities for architecture streamlining to improve the District 2 RITSA’s application and maintenance.

The Florida ITS Architecture Support and Maintenance Project includes the update of the Statewide ITS Architecture (SITSA) and seven RITSAs. The same review, information gathering, workshops, and architecture update processes are being used for each of the architectures. The Florida Department of Transportation (FDOT) Architecture Team coordinates with the FDOT Project Manager or designee and each applicable District Transportation Systems Management and Operations (TSM&O) Program Engineer or designee for the RITSAs. The FDOT Architecture Team is documenting findings and recommended actions separately for the SITSA and the seven RITSAs. The outcome of the District 2 RITSA Stakeholder Workshop, along with the outcome from the District 2 RITSA Initial Review Meeting, resulted in the changes to the District 2 RITSA described in this document as part of its major update.

# Description of Changes

This section of the report captures the overall architecture changes based on analysis of the District 2 RITSA Initial Review Meeting, the Stakeholder Workshop, the Stakeholder Workbook, and subsequent comments from District 2 RITSA stakeholders. The changes are grouped by architecture component. Additional changes were identified from further investigation and discussion with stakeholders during the update process as some of the information received early in this process was superseded by later stakeholder input. RITSA update actions taken are shown in **bold text**.

Several plans and initiatives were reviewed with respect to the District 2 RITSA Update. In particular,

* Statewide Arterial Management Plan (STAMP) Action Plan
* ITS Ten Year Cost Feasible Plan
* Florida’s Connected and Automated Vehicle (CAV) Business Plan (2019)
* Florida Transportation Plan (FTP)
* Strategic Intermodal System (SIS) Policy Plan
* Traffic Incident Management (TIM) Plan (2019)
* Transportation Technology Strategic Plan
* Strategic Highway Safety Plan (SHSP)
* Planned Commercial Vehicle Operations (CVO) Strategic Plan

These documents provide high-level visions and plans and, while they did not provide detail to inform the District 2 RITSA Update, they did provide scoping and vision for the District 2 RITSA.

## Stakeholders

The stakeholder changes include name revisions, consolidation of stakeholders, and stakeholder removal to simplify and extend the District 2 RITSA.

The stakeholder inputs gathered from the Initial Review Meeting, Stakeholder Workshop and Stakeholder Workbook, as well as other inputs gathered from numerous stakeholder interactions are provided in Table 1. In the table, the stakeholder is identified, the stakeholder comment or recommended disposition is described, and the actions taken by the FDOT Architecture Team are described.

Table 1 Stakeholder Revisions

| **Stakeholder Name** | **Stakeholder Comment/Recommended Disposition** | **Action Taken** |
| --- | --- | --- |
| Airport Authorities | Airport Authorities should identify airports such as Jacksonville, Gainesville, St. Augustine and Craig (Executive Airport – CRG). | **In description of Airport Authorities added “including Jacksonville International (JAX), Gainesville Regional (GNV) Northeast Florida Regional Airport (UST) and Jacksonville Executive Airport at Craig (CRG).”** |
| CHEMTREC | Remove CHEMTREC element and stakeholder for consistency across all RITSAs and is no longer planned. | **Stakeholder removed.** |
| City of Gainesville stakeholder group | City of Gainesville stakeholder group should be revised to City of Gainesville Department of Transportation and Mobility. | **Revised stakeholder name.** |
| City of Jacksonville | Be more specific by including departments in stakeholder name. | Specific stakeholders included for Fire and Rescue, and Traffic Engineering Division so this generic stakeholder used for Department of Environmental Resources, Motor Pool, etc. **No revision necessary.** |
| City of St. Augustine | Revise description to read “Represents the Public Works Department and Mobility Division of the City of St. Augustine”  Be more specific by including departments in stakeholder name. | **Revised stakeholder description.** |
| Clay County Public Works Traffic Control Division | Use “FDOT” in RITSA database | **In stakeholder description, changed “the State of Florida Department of Transportation” to “FDOT”.** |
| FDOT | In description, to Transportation infrastructure supported includes…..add Transit  FDOT should be changed to FDOT CO (Central Office) to be consistent with other RITSAs and to reflect the statewide systems being operated. | **Revised stakeholder description to include transit.**  **Changed FDOT to FDOT CO.** |
| FINDS | No inventory elements or projects associated with FINDS. | **Removed stakeholder.** |
| Florida State College at Jacksonville | No inventory elements or projects associated with Florida State College at Jacksonville. | **Removed stakeholder.** |
| Gainesville Transportation Services Division | Change to:  Name = Gainesville Traffic Operations Division  Description = The Traffic Operations Division is responsible for the operation and maintenance of Traffic Signals, Traffic Management Center and Connected Vehicle infrastructure.  Group = Yes  Members = City of Gainesville | **Revised stakeholder name and description. Did not make it a group but, instead, made it a member of the City of Gainesville group.** |
| Jacksonville Transportation Authority | In description, change monorail to Automated People Mover (APM). Make this change throughout architecture where appropriate. Also, revise description to include the BRT and ferry. JTA needs to be updated regarding Skyway | **In stakeholder description, revised monorail to APM.** No other instances found to revise. **BRT and the ferry were added.** |
| Local Transit Operators | Revise description to list operators. Other than council on aging services in the rural counties, Sunshine Transit may be the only other transit provider. | **Revised stakeholder description to “Represents agencies and organization operating public transit systems in the region including Nassau County Council on Aging that operates Nassau Transit.”** |
| Parking Facility Operators | Compare to Private Parking Vendors. Possible that one represents owners and the other managers but need to decide if distinguishing between them is needed. | Private Parking Vendors is specifically the vendor that operates the City of Jacksonville parking system so **revised title from Private Parking Vendors to City of Jacksonville Parking Vendor. Also, revised description of it to “Represents third party vendor that operates the parking system for City of Jacksonville.”** |
| Rail Operator | Revise name of stakeholder to “Freight Railroad Operators”. Revise last sentence of description to “Includes Genesse and Wyoming, CSX, NS, and FEC.” Investigate which of these railroads operate in the district. | **Confirmed that all four railroads operate in the region. Revised stakeholder name and description.** |
| St. Johns County | No inventory elements or projects associated with St. Johns County. Departments within the St. Johns County organization are associated with RITSA elements. | **Removed stakeholder.** |
| St. Johns County/City of St. Augustine | Delete St. Johns County Council On The Aging, as they are not part of this group. | **Removed St. Johns County Council On The Aging from group St. Johns County/City of St. Augustine.** |
| New Stakeholder | Add City of Gainesville as a stakeholder.  Description = Represents the municipal agencies and departments of the City of Gainesville  Group = No | **New stakeholder added. Made it a group with members of Gainesville Traffic Operations Division, Gainesville Transportation Planning Division, and Gainesville Regional Transit System.** |
| New Stakeholder | Add Cities of Neptune Beach and Atlantic Beach as new stakeholder with new element North Beaches Parking System. | **Added new stakeholder.** |
| New Stakeholder | Add new stakeholder group Florida Emergency Management Stakeholders including Florida Division of Emergency Management, FHP and FDOT for the Florida Statewide EOC/Warning Point (SEOC) element. | **Added stakeholder group.** |
| New Stakeholder | Add new stakeholder for:  Name = Gainesville Transportation Planning Division  Description = The Transportation Planning Division is responsible for Transportation Planning, Multimodal/non-motorized and other mobility alternatives. The Transportation Planning also oversees the City’s Parking Program.  Group = Yes  Members = City of Gainesville | **Added new stakeholder and made a member of City of Gainesville group.** |
| New Stakeholder | Add new stakeholder for:  Name = Gainesville Regional Transit System  Description = The Regional Transit System operates and maintains all transit services for Alachua County, University of Florida, Santa Fe College and City of Gainesville  Group = Yes  Members = City of Gainesville | **Added new stakeholder and made a member of City of Gainesville group.** |
| New Stakeholder | Also, include FIU and Florida State College at Jacksonville. | **Added Florida State College at Jacksonville although there is no element associated with it.** FIU was not added as it is not located in District 2 and has no system operating there. |
| New Stakeholder | Add University of North Florida | **Added University of North Florida** although there is no element associated with it. |
| New Stakeholder | Add Sunshine Transit with description as “Represents the Sunshine Bus Company which provides fixed route transit within St. Johns County.” | The stakeholder for Sunshine Transit was identified as the St. Johns County Council on Aging, as they do operate Sunshine Transit but to make it clear, **renamed the St. Johns County Council on Aging stakeholder to Sunshine Transit and revised the stakeholder description to “Represents the Sunshine Bus Company, operated by the St. Johns County Council on Aging, which provides fixed route transit within St. Johns County.”** |

## Inventory Elements

The inventory element changes include name revisions, new elements, and element removal for the District 2 RITSA.

The stakeholder inputs gathered from the Initial Review Meeting and the Stakeholder Workshop, as well as inputs gathered from other stakeholder interactions, are provided in Table 2. In the table, the elements are identified, the stakeholder comment or recommended disposition is described, and the actions taken by the FDOT Architecture Team are described. There were changes made to the RITSA during review of the District 2 RITSA system interactions which resulted in clarification District 2 RITSA systems and interfaces.

Table 2 Inventory Element Revisions

| **Element Name** | **Stakeholder Comment/Recommended Disposition** | **Action Taken** |
| --- | --- | --- |
| Amtrak Passenger Train Terminal | Revise name to reflect system. | **Revised element name to “Amtrak Passenger Train System”.** |
| CHEMTREC | Remove CHEMTREC element and stakeholder for consistency across all RITSAs and is no longer planned. | **Element removed.** |
| City of Gainesville Field Equipment | Revise stakeholder from Gainesville Transportation Services Division to Gainesville Traffic Operations Division. | Automatically done when stakeholder name is changed. |
| City of Gainesville Regional Transit System | Revise stakeholder from Gainesville Transportation Services Division to Gainesville Regional Transit System. Revise description to “The public transportation system that operates in Gainesville, Florida.” | **Stakeholder for element changed. Element description revised.** |
| City of Gainesville Smartraffic Website | Revise stakeholder from Gainesville Transportation Services Division to Gainesville Traffic Operations Division. | Automatically done when stakeholder name is changed. |
| City of Jacksonville Department of Environmental Resources | Revise name to reflect system. | **Revised element name to “City of Jacksonville Department of Environmental Resources System”. Revised element description to make it clear that it is a system.** |
| City of Jacksonville Motor Pool | Revise name to reflect system. | **Revised element name to “City of Jacksonville Motor Pool System”. Revised element description to make it clear that it is a system.** |
| City of Jacksonville Public Works Right-of-Way and Stormwater Maintenance Division | Revise name to reflect system. | **Revised element name to “City of Jacksonville Public Works Right-of-Way and Stormwater Maintenance System”. Revised element description to make it clear that it is a system.** |
| City of Jacksonville Traffic Management Center | Revise description so it does not begin with “Also”. | **Revised element description to “Manages traffic signals and other ITS equipment in City of Jacksonville. Also, dispatches traffic signal maintenance.”** |
| City of St. Augustine Parking Management System | Revise description to delete “beach and”.  Delete “St. Johns County” from Stakeholder column.  Revise stakeholder as system is owned and operated by the City. It is not a joint operation. | **Revised element description. Changed stakeholder to City of St. Augustine.** |
| Clay County Signal Control System | Correct element description to reflect that it is an existing system (so change “will operate” to “operates”.) | **Revised element description.** |
| County and Local Drawbridge Systems | Revise to reflect that tenders work for FDOT. Will revise description to add a moveable bridge list: Main St., 202, St. Mary, etc. | **Added “Includes Bridge of Lions on SR A1A over Matanzas River in St. Augustine, Crescent Beach Bridge on SR 206 over Matanzas River in Crescent Beach, and St. Mary’s River Bridge on US 17 over St. Mary’s River in Nassau County” to begin element description. Also, corrected element description to identify tenders as FDOT employees.** |
| County and Local Equipment Repair Facility | Revise name to reflect system. | **Revised element name to “County and Local Equipment Repair Facility System”. Revised element description to make it clear that it is a system.** |
| FDLE Headquarters | Revise name to reflect system. | **Revised name to “FDLE Headquarters Alert System”. Revised element description to make it clear that it is a system.** |
| FDOT 511 System | Revise status to Existing. | **Revised element status. Also, revised status of interfaces to existing.** |
| FDOT District 2 Construction | Revise name to reflect system. | **Revised name to “FDOT District 2 Construction System”.** |
| FDOT District 2 Maintenance Vehicles | Revise status to planned. | **Corrected status of element. Also, corrected status of one flow to element.** |
| FDOT District 2 Vehicle Repair Facility | Revise name to reflect system. | **Revised name to “FDOT District 2 Vehicle Repair Facility System”. Revised element description to make it clear that it is a system.** |
| Financial Institutions | Revise name to reflect system. | **Revised name to “Financial Institution Systems”. Revised element description to make it clear that it is a system.** |
| Florida Statewide EOC/Warning Point (SEOC) | Add FHP and FDOT as stakeholders for the SEOC. | **Created a stakeholder group, titled “Florida Emergency Management Stakeholders” for FL Division of Emergency Management, FHP & FDOT then used it as the stakeholder of this element.** |
| Florida Statewide Tolling Customer Service Center | Revise status to existing and revise stakeholder to FTE. | **Revised stakeholder for element. Removed original stakeholder, “State of Florida”, as it has no elements.** |
| FTE SunPass Toll Collection System | Revise status to existing | **Revised status of element. Also, revised element interfaces to existing.** |
| Gainesville Regional Airport | Revise name to reflect system. | **Revised name to “Gainesville Regional Airport System”. Revised element description to make it clear that it is a system.** |
| Gainesville Regional Paratransit Vehicles | In the description, revise “by the Gainesville Transportation Services Division” to “by the Gainesville Regional Transit System”. | **Element description revised.** |
| Gainesville Regional Paratransit Vehicles | Revise stakeholder from Gainesville Transportation Services Division to Gainesville Regional Transit System. | **Element description revised.** |
| Gainesville Regional Transit Vehicles | Revise stakeholder from Gainesville Transportation Services Division to Gainesville Regional Transit System. | **Stakeholder for this element, as well as Gainesville Regional Paratransit Vehicles, revised.** |
| Gainesville Smart Traffic TMC | In description, change the description to “The Gainesville Smart Traffic TMC optimizes driving efficiency by monitoring and coordinating traffic signals in the City of Gainesville and Alachua County. . The City of Gainesville Smart Traffic TMC is a joint venture between the, FDOT, City of Gainesville, Alachua County and the University of Florida.” | **Element description revised.** |
| Gainesville Transportation Data Collection System | Revise description to “This system gathers and archives traffic data, Traffic Counts, Travel Times, (Crash data is via statewide S4 Geoplan), and inventory data for the City of Gainesville.” and status from planned to existing.  Revise stakeholder from Gainesville Transportation Services Division to Gainesville Traffic Operations Division. | **Element description and status revised. Element stakeholder revised.** (Note, the original stakeholder was the Gainesville MTPO.) |
| Inter-City Bus Service | Revise name to reflect system. | **Revised element name to Inter-City Bus System. Revised element description to make it clear that it is a system.** |
| Jacksonville International Airport | Revise name to reflect system. | **Revised element name to Jacksonville International Airport System. Revised element description to make it clear that it is a system.** |
| Jacksonville MPO Ridematching System | Delete element as TPO has stopped the service. | **Element removed.** |
| Jacksonville Transit Fixed-Route Systems | Add BRT routes and TSP implementation to description. | **Revised description, per the JTA website, to “includes express and regular bus service, the St. Johns River Ferry, and the Gameday Xpress for various sporting events at TIAA Bank Field” and to the end, “First Coast Flyer, the system's bus rapid transit service, covers over 44 miles of destination travel and uses transit signal priority and queue jumps to provide more efficient movement of buses.”** |
| Jacksonville Transit Skyway Control Center | In description, change “peoplemover” to “people mover”. | **Revised description.** |
| Jacksonville Transportation Center | Revise name of element to “North Florida RTMC”. Revise status to existing. In description, delete “Jacksonville Transit” and “Jacksonville Fire/Rescue Dispatch, and possibly Amtrak”.  Need to differentiate between JTA’s new Jacksonville Regional Transportation Center (JRTC) and the North Florida RTMC (NFRTMC). Both should be included as elements but are separate. The Element Description here is for the JRTC. | **Revised element name and description.**  **Added element, mapped to Transit Management Center. Associated element with JTA as the stakeholder. Added PT14 Multimodal Coordination Service for JRTC.** |
| JAXPORT Marine Terminals | Revise name to reflect system. | **Revised name of element to JAXPORT Marine Terminal System.** |
| JTA Engineering Department | Revise name to reflect system. | **Revised name of element to JTA Engineering Department System.** |
| Local Transit Operator Systems | Revise description to list systems. Other than council on aging services in the rural counties, Sunshine Transit may be the only other transit provider. | A list of local transit systems could not be located. What was found were a few services operated by the Council on Aging Services. The issue with listing a partial list and missing a service is the description will never be accurate. Experience has shown it better to leave these generic elements without specific call outs to avoid missing a participant. **The description was revised to acknowledge the Council on Aging Services having numerous systems** but not specifically calling out any in particular. |
| Local Venue Event Scheduling System | Will revise list of examples in description (based upon current U2C spreadsheet to be provided by Kevin from JTA.) Also, will revise status to planned  Suggest using Veteran’s Memorial Arena, Times-Union Center for the Performing Arts, Prime F. Osborn Convention Center, TIAA Bank Field, Daily’s Place, and 121 Financial Ballpark. | **Revised status to planned. Revised element description to list suggested venues and removed note regarding specific elements for ball parks. Confirmed that all interfaces for element are planned.** |
| Military Base Operations Center | Revise description to list bases in region: NAS Jacksonville, NS Mayport, Camp Blanding. | **Added list to description of element.** |
| Newspapers, Radio, Television Stations | Revise name to reflect system. | **Revised element name to Newspaper, Radio, Television Station Systems. Revised element description to make it clear that it is a system.** |
| Northeast Florida Regional Airport | Revise name to reflect system. | **Revised element name to Northeast Florida Regional Airport System. Revised element description to make it clear that it is a system.** |
| Private Sector Traveler Information Services | Revise name to reflect system. | **Revised element name to Private Sector Traveler Information System. Revised element description to make it clear that it is a system.** |
| Private/Public Ambulance Vehicles | In description, correct “an rapid” to “a rapid”. | **Revised description.** |
| Private/Public Parking Facility Operators | Revise name to reflect system. | **Revised element name to Private/Public Parking Systems. Revised element description to make it clear that it is a system.** |
| Regional Airports | Revise name to reflect system. | **Revised element name to Regional Airport Systems. Revised element description to make it clear that it is a system.** |
| Regional Medical Centers | Revise name to reflect system. | **Revised element name to Regional Medical Center Systems. Revised element description to make it clear that it is a system.** |
| Rest Areas/ Visitor Centers/ Service Plazas | Revise name to reflect system. | **Revised element name to Rest Area/ Visitor Center/ Service Plaza Systems. Revised element description to make it clear that it is a system.** |
| St. Augustine Ports | Revise Element Name to “St Augustine Water Taxi Service”.  Revise Description to “Develop Water Taxi Service that utilizes waterways in vicinity of St. Augustine. Planned routes are (1) Vilano to/from Downtown Marina, (2) SR-312 to/from Downtown Marina, (3) San Sebastian River Crossing.”  Revise Stakeholders to “City of St. Augustine, St. Johns County, FINDS.” | **Revised element. Added new stakeholder, “City of St. Augustine, St. Johns County, and FINDS” and made it the stakeholder for element. Reviewed interfaces and they look appropriate for revised element.** |
| US Coast Guard Office | Revise name to reflect system. | **Revised element name to US Coast Guard Office Systems. Revised element description to make it clear that it is a system.** |
| New Element | Atlantic Beach/Neptune Beach Smart Parking System started operations in August 2019 so add new element. | **Added new element North Beaches Parking System with new stakeholder, Cities of Neptune Beach and Atlantic Beach. New service for North Beaches Parking Electronic Payment (4th instance of PM03) added. Added existing interfaces to Smart Card and a planned interface to Vehicles.**  (per <https://www.northbeachesparking.com/>) |
| New Element | Add new element for:  Name = City of Gainesville Parking  Description = The downtown on-street parking and City of Gainesville 5 story parking garage.  Status = Existing  Mapping = Parking Management System  Stakeholder = Gainesville Transportation Planning System | **Added new element City of Gainesville Parking System. New service for Gainesville Electronic Parking Payment (3rd instance of PM03) added. Added existing interfaces to Smart Card and a planned interface to Vehicles.** |
| New Element | Add Florida Fish and Wildlife Commission since they dispatch from the RTMC and have the largest public fleet in the state. Potential source for probe data, and if they are not already providing, incident/event data.  Description = Represents the Florida government agency that manages and regulates the state’s fish and wildlife resources and enforces related laws.  Status = existing  Mapping = Enforcement Agency  Stakeholder = Florida Fish and Wildlife Commission | **Added new elements titled “Florida Fish and Wildlife Commission Dispatch System” and “Florida Fish and Wildlife Commission Enforcement Vehicles” for new stakeholder “Florida Fish and Wildlife Conservation Commission”. Mapped the new center element as an Emergency Management Center (since it is dispatching vehicles) and an Enforcement Center. Added PS01 Emergency Call Taking service for FWC dispatch and vehicles. Added FWC Dispatch to the PS02 Emergency Response (Local and Statewide Public Safety (EM to EVS) service package.** |
| New Element | Add Cecil Commerce Center and the SpacePort. | While the Cecil Commerce Center, which includes the Cecil Airport/Spaceport, serves general aviation and aeronautical and space businesses. It is owned by the Jacksonville Airport Authority. **The Cecil Commerce Center was added to the RITSA in the description of the Airport Authorities stakeholder.** This will inherently include it in the Regional Airport Systems element. |
| New Element | Add element for JTA Ultimate Urban Circulator (U2C).  Description = Automated vehicle system to be implemented in four major phases. Phase 1 is the Bay Street Innovation Corridor from Adams Street to Gator Bowl Boulevard and will deploy 15 EAV. Automation Avenue will convert existing Skyway from the Operations Center to the JRTC/Convention Center station to a test track for EAVs. Phase 3 includes conversion of the existing Skyway superstructure to an EAV system with ramps to at-grade streets and local neighborhood service in San Marco, Riverside and Springfield. Phase 4 proposes to construct a new bridge over the St. Johns River to complete a loop for the U2C service and provide a pedestrian bridge between the Sports Center and the Southbank Riverwalk. | **Added U2C Management System and EAV elements. Mapped Management System to Transit Management Center and EAV to Transit Vehicle. Created a project called JTA Ultimate Urban Circulator (U2C). Included services: PT01 Transit Vehicle Tracking, PT02 Transit Fixed-Route Operations, PT04 Transit Fare Collection, PT06 Transit Fleet Management and PT08 Transit Traveler Information. Given the evolution of the Skyway system into the JTA U2C, the U2C was defined separately assuming the Skyway system will eventually sunset.** |
| New Element | Consider adding Port of Fernandina/or Ocean Hwy & Port Authority.  Description = Represents port activity in Fernandina; not a taxing authority  Status = Existing | **Port of Fernandina added as element with Ocean Highway and Port Authority as stakeholder. Added CVO02 Freight Administration service and CVO11 Freight Drayage Optimization service.** |

## Service Packages

The service package changes include name revisions, new services, and service removal to simplify the District 2 RITSA.

The stakeholder inputs gathered from the Initial Review Meeting and the Stakeholder Workshop, as well as inputs gathered from other stakeholder interactions are provided in this section.

* Table 3 provides the disposition of comments received on the RITSA services.
* Table 4 provides a list of services that were added during the definition of new projects and the update of existing projects in the RITSA.
* An overarching change to the services was the renaming of all of the services. The original service names were cryptic and it was not readily apparent what they entailed. To more closely map the District 2 RITSA to the Architecture Reference for Cooperative and Intelligent Transportation (ARC-IT), the ARC-IT service numbering was used as part of the service name revision.
* A few instances of service packages were found to be blank or a duplicate of another instance so they were removed. Table 5 provides the revisions made to service packages including the name changes.

Table 3 District 2 RITSA Service Comment DISPOSITIONs

| **Source** | **Description** | **Disposition/Action Taken** |
| --- | --- | --- |
| DM01/AD2-3\_D2/City of Gainesville Transportation Data Collection System (1 of 2) | Change status from planned to existing. | **Status of service updated.** |
| MC05/MC07-5\_D2/Gainesville Smart Traffic TMC | Change status from planned to existing. | **Status of service updated.** |
| TM02/ATMS02-3\_D2/Gainesville Smart Traffic TMC | Change status from planned to existing. | **Status of service updated.** |
| TM03/ATMS03-2\_D2/Gainesville Smart Traffic TMC | Change status from planned to existing. | **Status of service updated.** |
| MC04 Winter Maintenance | MC04 should be hurricane maintenance rather than winter maintenance | **Revised MC04 from winter maintenance to hurricane maintenance.** |
| ATMS08-14 | ATMS08-14 is duplicated by FDOT District 2 TMC to MCM. | **Removed ATMS08-14.** |
| AVSS10-1 | AVSS10-1 is duplicated by AVSS05-1. | **Removed AVSS10-1.** |
| TI06 Dynamic Ridesharing and Shared Use Transportation | Should TI06 Dynamic Ridesharing and Shared Use Transportation service package be added for Uber/Lyft services? Bike/scooter sharing? | **Two services were added to the RITSA for TI06 Dynamic Ridesharing and Shared Use Transportation (Ride Hailing Services) and TI06 Dynamic Ridesharing and Shared Use Transportation (Shared Use Services). Both services were incorporated into the RITSA since they are existing services.** |

Table 4 Services added for PRojects

| **Service** | **Service Name** | **Action Taken** |
| --- | --- | --- |
| CVO02 | Freight Administration (JAXPORT Marine Terminal) | **New Project Service** |
| CVO02 | Freight Administration (Port of Fernandina) | **New Project Service** |
| CVO06 | Freight Signal Priority (Gainesville CV Priority) | **New Project Service** |
| CVO11 | Freight Drayage Optimization (JAXPORT Marine Terminal) | **New Project Service** |
| CVO11 | Freight Drayage Optimization (Port Fernandina) | **New Project Service** |
| DM02 | Performance Monitoring (Gainesville ATSPM) | **New Project Service** |
| PM03 | Parking Electronic Payment (North Beaches Parking) | **New Project Service** |
| PM03 | Parking Electronic Payment (Gainesville Parking) | **New Project Service** |
| PS01 | Emergency Call-Taking and Dispatch (Florida FWC Dispatch) | **New Project Service** |
| PS03 | Emergency Vehicle Preemption (Gainesville CV Preemption) | **New Project Service** |
| PS11 | Early Warning System (Jacksonville Public Safety Surveillance) | **New Project Service** |
| PT01 | Transit Vehicle Tracking (JTA U2C) | **New Project Service** |
| PT02 | Transit Fixed-Route Operations (JTA U2C) | **New Project Service** |
| PT02 | Transit Fixed-Route Operations (City of St. Augustine Parking Shuttle) | **New Project Service** |
| PT04 | Transit Fare Collection Management (JTA U2C) | **New Project Service** |
| PT05 | Transit Security (Jacksonville Wayfinding Kiosks) | **New Project Service** |
| PT06 | Transit Fleet Management (JTA U2C) | **New Project Service** |
| PT08 | Transit Traveler Information (JTA U2C) | **New Project Service** |
| PT09 | Transit Signal Priority (Gainesville CV Priority) | **New Project Service** |
| PT09 | Transit Signal Priority (JTA CV Priority) | **New Project Service** |
| PT11 | Transit Pedestrian Indication (Gainesville RTS) | **New Project Service** |
| PT14 | Multi-modal Coordination (Jacksonville RTC) | **New Project Service** |
| ST04 | Roadside Lighting (St. Augustine Smart Lighting) | **New Project Service** |
| ST04 | Roadside Lighting (Jacksonville Smart Lighting) | **New Project Service** |
| SU04 | Map Management (BayJax Smart and Connected Signals) | **New Project Service** |
| SU04 | Map Management (Gainesville SPaT Trapezium) | **New Project Service** |
| SU08 | Security and Credentials Management (BayJax Smart and Connected Signals) | **New Project Service** |
| SU08 | Security and Credentials Management (Gainesville AV Shuttle) | **New Project Service** |
| SU08 | Security and Credentials Management (Gainesville Bike and Pedestrian Safety) | **New Project Service** |
| SU08 | Security and Credentials Management (Gainesville Connected Vehicle Arterial Travel Time System) | **New Project Service** |
| SU08 | Security and Credentials Management (Gainesville SPaT Trapezium) | **New Project Service** |
| SU08 | Security and Credentials Management (I-75 FRAME) | **New Project Service** |
| SU08 | Security and Credentials Management (JTA U2C) | **New Project Service** |
| SU08 | Security and Credentials Management (St. Augustine AV Shuttle for Parking) | **New Project Service** |
| SU09 | Device Certification and Enrollment (BayJax Smart and Connected Signals) | **New Project Service** |
| SU09 | Device Certification and Enrollment (Gainesville AV Shuttle) | **New Project Service** |
| SU09 | Device Certification and Enrollment (Gainesville Bike and Pedestrian Safety) | **New Project Service** |
| SU09 | Device Certification and Enrollment (Gainesville Connected Vehicle Arterial Travel Time System) | **New Project Service** |
| SU09 | Device Certification and Enrollment (Gainesville SPaT Trapezium) | **New Project Service** |
| SU09 | Device Certification and Enrollment (I-75 FRAME) | **New Project Service** |
| SU09 | Device Certification and Enrollment (JTA U2C) | **New Project Service** |
| SU09 | Device Certification and Enrollment (St. Augustine AV Shuttle for Parking) | **New Project Service** |
| SU11 | Field Equipment Maintenance (Nassau County) | **New Project Service** |
| TI01 | Broadcast Traveler Information (Jacksonville Wayfinding) | **New Project Service** |
| TI02 | Personalized Traveler Information (Jacksonville Wayfinding) | **New Project Service** |
| TI04 | Infrastructure-Provided Trip Planning and Route Guidance (Jacksonville Wayfinding) | **New Project Service** |
| TI06 | Dynamic Ridesharing and Shared Use Transportation (Ride Hailing Services) | **New Project Service** |
| TI06 | Dynamic Ridesharing and Shared Use Transportation (Shared Use Services) | **New Project Service** |
| TM01 | Infrastructure-Based Traffic Surveillance (St. Johns County Travel Time System) | **New Project Service** |
| TM01 | Infrastructure-Based Traffic Surveillance (Gainesville Bluetooth Travel Time) | **New Project Service** |
| TM02 | Vehicle-Based Traffic Surveillance (Gainesville Connected Vehicle Travel Time) | **New Project Service** |
| TM02 | Vehicle-Based Traffic Surveillance (FDOT District 2 Traffic Management Center) | **New Project Service** |
| TM03 | Traffic Signal Control (St. Augustine Cordova Street Traffic Signal) | **New Project Service** |
| TM06 | Traffic Information Dissemination (Gainesville Bluetooth Travel Time) | **New Project Service** |
| TM06 | Traffic Information Dissemination (Gainesville Connected Vehicle Travel Time) | **New Project Service** |
| TM10 | Electronic Toll Collection (FDOT SELS) | **New Project Service** |
| TM11 | Road Use Charging (FDOT Express Lanes) | **New Project Service** |
| VS12 | Pedestrian and Cyclist Safety (City of Gainesville) | **New Project Service** |
| VS12 | Pedestrian and Cyclist Safety (City of Jacksonville) | **New Project Service** |
| VS13 | Intersection Safety Warning and Collision Avoidance (City of Gainesville) | **New Project Service** |
| VS16 | Automated Vehicle Operations (St. Augustine AV Shuttle) | **New Project Service** |
| VS16 | Automated Vehicle Operations (Gainesville AV Shuttle) | **New Project Service** |
| WX01 | Weather Data Collection (FDOT RWIS) | **New Project Service** |
| WX03 | Spot Weather Impact Warning (City of Jacksonville) | **New Project Service** |

Table District 2 RITSA Service Package ReVISIONS

| **Previous RITSA Service Package Name** | **Service Package Description** | **New Service Package** | **New Service Package Name** | **Action Taken** |
| --- | --- | --- | --- | --- |
| AD2-1\_D2 | Jacksonville Transportation Data Collection System | DM01 | ITS Data Warehouse (Jacksonville Transportation Data Collection System) | **Renamed the Service Package.** |
| AD2-2\_D2 | FDOT District 2 | DM01 | ITS Data Warehouse (FDOT District 2) | **Renamed the Service Package.** |
| AD2-3\_D2 | City of Gainesville Transportation Data Collection System (1 of 2) | DM01 | ITS Data Warehouse (Gainesville Transportation Data Collection System (1 of 2)) | **Renamed the Service Package.** |
| AD2-4\_D2 | Gainesville Transportation Data Collection System (2 of 2) | DM01 | ITS Data Warehouse (Gainesville Transportation Data Collection System (2 of 2)) | **Renamed the Service Package.** |
| AD2-5\_D2 | Local Transportation Data Collection System (1 of 2) | DM01 | ITS Data Warehouse (Local Transportation Data Collection System (1 of 2)) | **Renamed the Service Package.** |
| AD2-6\_D2 | Local Transportation Data Collection System (2 of 2) | DM01 | ITS Data Warehouse (Local Transportation Data Collection System (2 of 2)) | **Renamed the Service Package.** |
| AD2-7\_D2 | Jacksonville Transportation Authority | DM01 | ITS Data Warehouse (Jacksonville Transportation Authority) | **Renamed the Service Package.** |
| AD2-8\_D2 | Jacksonville Sheriffs Crash Record Database | DM01 | ITS Data Warehouse (Jacksonville Sheriffs Crash Record Database) | **Renamed the Service Package.** |
| APTS01-1\_D2 | Jacksonville Transit System | PT01 | Transit Vehicle Tracking (Jacksonville Transit System) | **Renamed the Service Package.** |
| APTS01-2\_D2 | Gainesville Regional Transit System | PT01 | Transit Vehicle Tracking (Gainesville Regional Transit System) | **Renamed the Service Package.** |
| APTS01-3\_D2 | County Paratransit Systems | PT01 | Transit Vehicle Tracking (County Paratransit Systems) | **Renamed the Service Package.** |
| APTS01-4\_D2 | County School Districts | PT01 | Transit Vehicle Tracking (County School Districts) | **Renamed the Service Package.** |
| ATPS01-5\_D2 | Sunshine Bus Company | PT01 | Transit Vehicle Tracking (Sunshine Bus Company) | **Renamed the Service Package.** |
| APTS02-1\_D2 | Jacksonville Transit Dispatch | PT02 | Transit Fixed-Route Operations (JTA Fixed Route) | **Renamed the Service Package.** |
| APTS02-2\_D2 | Jacksonville Transit Dispatch | PT02 | Transit Fixed-Route Operations (JTA Skyway) | **Renamed the Service Package.** |
| APTS02-3\_D2 | Gainesville Regional Transit System | PT02 | Transit Fixed-Route Operations (Gainesville Regional Transit System) | **Renamed the Service Package.** |
| APTS02-4\_D2 | County School Districts | PT02 | Transit Fixed-Route Operations (County School Districts) | **Renamed the Service Package.** |
| APTS02-5\_D2 | Sunshine Bus Company | PT02 | Transit Fixed-Route Operations (Sunshine Bus Company) | **Renamed the Service Package.** |
| APTS03-1\_D2 | Jacksonville Transit Dispatch | PT03 | Dynamic Transit Operations (Jacksonville Transit Dispatch) | **Renamed the Service Package.** |
| APTS03-2\_D2 | Gainesville Regional Transit System | PT03 | Dynamic Transit Operations (Gainesville Regional Transit System) | **Renamed the Service Package.** |
| APTS03-3\_D2 | County Paratransit Systems | PT03 | Dynamic Transit Operations (County Paratransit Systems) | **Renamed the Service Package.** |
| APTS03-4\_D2 | Sunshine Bus Company | PT03 | Dynamic Transit Operations (Sunshine Bus Company) | **Renamed the Service Package.** |
| APTS04-1\_D2 | Jacksonville Transit Authority | PT04 | Transit Fare Collection Management (Jacksonville Transit Authority) | **Renamed the Service Package.** |
| APTS04-2\_D2 | Jacksonville Transit Dispatch | PT04 | Transit Fare Collection Management (Jacksonville Transit Dispatch) | **Renamed the Service Package.** |
| APTS04-3\_D2 | Gainesville Regional Transit System | PT04 | Transit Fare Collection Management (Gainesville Regional Transit System) | **Renamed the Service Package.** |
| APTS04-4\_D2 | Sunshine Bus Company | PT04 | Transit Fare Collection Management (Sunshine Bus Company) | **Renamed the Service Package.** |
| APTS05-1\_D2 | Jacksonville Transit Dispatch | PT05 | Transit Security (Jacksonville Transit Dispatch) | **Renamed the Service Package.** |
| APTS05-2\_D2 | Gainesville Regional Transit System | PT05 | Transit Security (Gainesville Regional Transit System) | **Renamed the Service Package.** |
| APTS05-3\_D2 | School District Transportation | PT05 | Transit Security (School District Transportation) | **Renamed the Service Package.** |
| APTS05-4\_D2 | Sunshine Bus Company | PT05 | Transit Security (Sunshine Bus Company) | **Renamed the Service Package.** |
| APTS06-1\_D2 | Jacksonville Transit Authority / Gainesville Regional Transit System | PT06 | Transit Fleet Management (Jacksonville Transit Authority / Gainesville Regional Transit System) | **Renamed the Service Package.** |
| APTS6-2\_D2 | County Paratransit Systems/ Sunshine Bus Company | PT06 | Transit Fleet Management (County Paratransit Systems/ Sunshine Bus Company) | **Renamed the Service Package.** |
| APTS07-1\_D2 | Jacksonville Transit Dispatch / Gainesville Regional Transit System | PT14 | Multi-modal Coordination (Jacksonville Transit Dispatch / Gainesville Regional Transit System) | **Renamed the Service Package.** |
| APTS07-2\_D2 | County Paratransit | PT14 | Multi-modal Coordination (County Paratransit) | **Renamed the Service Package.** |
| APTS07-3\_D2 | Jacksonville Transportation Center | PT14 | Multi-modal Coordination (North Florida RTMC) | **Renamed the Service Package.** |
| APTS07-4\_D2 | St. Johns County/St. Augustine | PT14 | Multi-modal Coordination (St. Johns County/St. Augustine) | **Renamed the Service Package.** |
| APTS08-1\_D2 | Jacksonville Transit Dispatch | PT08 | Transit Traveler Information (Jacksonville Transit Dispatch) | **Renamed the Service Package.** |
| APTS08-2\_D2 | Jacksonville Paratransit Systems | PT08 | Transit Traveler Information (Jacksonville Paratransit Systems) | **Renamed the Service Package.** |
| APTS08-3\_D2 | Gainesville Regional Transit System | PT08 | Transit Traveler Information (Gainesville Regional Transit System) | **Renamed the Service Package.** |
| APTS08-4\_D2 | St. Johns County | PT08 | Transit Traveler Information (St. Johns County) | **Renamed the Service Package.** |
| APTS09-1\_D2 | Jacksonville Transit Dispatch | PT09 | Transit Signal Priority (Jacksonville Transit Dispatch) | **Renamed the Service Package.** |
| APTS09-2\_D2 | Gainesville Regional Transit System | PT09 | Transit Signal Priority (Gainesville Regional Transit System) | **Renamed the Service Package.** |
| APTS09-3\_D2 | Bus Rapid Transitway | PT09 | Transit Signal Priority (Bus Rapid Transitway) | **Renamed the Service Package.** |
| APTS09-4\_D2 | Sunshine Bus Company | PT09 | Transit Signal Priority (Sunshine Bus Company) | **Renamed the Service Package.** |
| ATIS01-1\_D2 | FDOT District 2 (Inputs) | TI01 | Broadcast Traveler Information (FDOT District 2 (Inputs)) | **Renamed the Service Package.** |
| ATIS01-2\_D2 | FDOT District 2 (Outputs) | TI01 | Broadcast Traveler Information (FDOT District 2 (Outputs)) | **Renamed the Service Package.** |
| ATIS01-3\_D2 | Local Agency Websites | TI01 | Broadcast Traveler Information (Local Agency Websites) | **Renamed the Service Package.** |
| ATIS01-4\_D2 | Florida 511 | TI01 | Broadcast Traveler Information (Florida 511) | **Renamed the Service Package.** |
| ATIS02-1\_D2 | FDOT District 2 | TI02 | Personalized Traveler Information (FDOT District 2) | **Renamed the Service Package.** |
| ATIS02-2\_D2 | County and City / JTA / Local Agencies | TI02 | Personalized Traveler Information (County and City / JTA / Local Agencies) | **Renamed the Service Package.** |
| ATIS02-3\_D2 | St. Johns County/St. Augustine | TI02 | Personalized Traveler Information (St. Johns County/St. Augustine) | **Renamed the Service Package.** |
| ATIS05-1\_D2 |  | TI04 | Infrastructure-Provided Trip Planning and Route Guidance (jax511 / ISP / Kiosk) | **Renamed the Service Package.** |
| ATIS08-1\_D2 |  | TI06 | Dynamic Ridesharing and Shared Use Transportation (Ride Matching System) | **Renamed the Service Package.** |
| ATMS01-01\_D2 | County and Local Traffic Control Systems | TM01 | Infrastructure-Based Traffic Surveillance (County and Local Traffic Control Systems) | **Renamed the Service Package.** |
| ATMS01-02\_D2 | Clay County Signal Control System | TM01 | Infrastructure-Based Traffic Surveillance (Clay County Signal Control System) | **Renamed the Service Package.** |
| ATMS01-03\_D2 | FDOT District 2 Traffic Management Center | TM01 | Infrastructure-Based Traffic Surveillance (FDOT District 2 Traffic Management Center) | **Renamed the Service Package.** |
| ATMS01-04\_D2 | Gainesville Traffic Signal Control System | TM01 | Infrastructure-Based Traffic Surveillance (Gainesville Traffic Signal Control System) | **Renamed the Service Package.** |
| ATMS01-05\_D2 | Jacksonville Traffic Management Center | TM01 | Infrastructure-Based Traffic Surveillance (Jacksonville Traffic Management Center) | **Renamed the Service Package.** |
| ATMS01-06\_D2 | Lake City Traffic Signal Control System | TM01 | Infrastructure-Based Traffic Surveillance (Lake City Traffic Signal Control System) | **Renamed the Service Package.** |
| ATMS01-07\_D2 | St. Johns County Traffic Signal System | TM01 | Infrastructure-Based Traffic Surveillance (St. Johns County Traffic Signal System) | **Renamed the Service Package.** |
| ATMS01-08\_D2 | City of Palatka | TM01 | Infrastructure-Based Traffic Surveillance (City of Palatka) | **Renamed the Service Package.** |
| ATMS01-09\_D2 | Putnam County Traffic Signal System | TM01 | Infrastructure-Based Traffic Surveillance (Putnam County Traffic Signal System) | **Renamed the Service Package.** |
| ATMS01-10\_D2 | Nassau County | TM01 | Infrastructure-Based Traffic Surveillance (Nassau County) | **Renamed the Service Package.** |
| ATMS13-1\_D2 | FDOT District 2 / Jacksonville / Gainesville | TM13 | Standard Railroad Grade Crossing (FDOT District 2 / Jacksonville / Gainesville) | **Renamed the Service Package.** |
| ATMS15-1\_D2 | Jacksonville Transportation Center / FHP Regional Dispatch | TM15 | Railroad Operations Coordination (Jacksonville Transportation Center / FHP Regional Dispatch) | **Renamed the Service Package.** |
| ATMS16-1\_D2 | All Parking Facilities | PM01 | Parking Space Management (All Parking Facilities) | **Renamed the Service Package.** |
| ATMS17-1\_D2 | Jacksonville Airport | PM04 | Regional Parking Management (Jacksonville Airport) | **Renamed the Service Package.** |
| ATMS18-1\_D2 | City of St. Augustine | TM16 | Reversible Lane Management (City of St. Augustine) | **Renamed the Service Package.** |
| ATMS19-1\_D2 | FDOT District 2 | TM17 | Speed Warning and Enforcement (FDOT District 2) | **Renamed the Service Package.** |
| ATMS20-1\_D2 | Jacksonville Traffic Control Equipment | TM18 | Drawbridge Management (Jacksonville Traffic Control Equipment) | **Renamed the Service Package.** |
| ATMS21-1\_D2 | FDOT District 2 | TM19 | Roadway Closure Management (FDOT District 2) | **Renamed the Service Package.** |
| ATMS24-01 | FDOT Wrong-Way Driving | TM12 | Dynamic Roadway Warning (FDOT Wrong-Way Driving) | **Renamed the Service Package.** |
| ATMS02-1\_D2 | FDOT District 2 Traffic Management Center | TM02 | Vehicle-Based Traffic Surveillance (JTA AVL Probes) | **Renamed the Service Package.** |
| ATMS02-2\_D2 | Jacksonville Transportation Authority | TM02 | Vehicle-Based Traffic Surveillance (Jacksonville Transportation Authority) | **Renamed the Service Package.** |
| ATMS08-01\_D2-2 | FDOT District 2 (TM to EM) | TM08 | Traffic Incident Management System (FDOT District 2 (TM to EM)) | **Renamed the Service Package.** |
| ATMS08-02\_D2-2 | County Signal Control System (TM to EM) | TM08 | Traffic Incident Management System (County Signal Control System (TM to EM)) | **Renamed the Service Package.** |
| ATMS08-03\_D2-2 | Jacksonville Traffic Management Center (TM to EM) | TM08 | Traffic Incident Management System (Jacksonville Traffic Management Center (TM to EM)) | **Renamed the Service Package.** |
| ATMS08-04\_D2-2 | Local Signal Control Systems (TM to EM) | TM08 | Traffic Incident Management System (Local Signal Control Systems (TM to EM)) | **Renamed the Service Package.** |
| ATMS08-05\_D2-2 | County Emergency Operations Center (TM to EM) | TM08 | Traffic Incident Management System (County Emergency Operations Center (TM to EM)) | **Renamed the Service Package.** |
| ATMS08-06\_D2-2 | Florida State EOC (TM to EM) | TM08 | Traffic Incident Management System (Florida State EOC (TM to EM)) | **Renamed the Service Package.** |
| ATMS08-07\_D2-2 | FDOT District 2 Traffic Management Center (TM to MCM) | TM08 | Traffic Incident Management System (FDOT District 2 Traffic Management Center (TM to MCM)) | **Renamed the Service Package.** |
| ATMS08-08\_D2-2 | Jacksonville Traffic Management Center (TM to MCM) | TM08 | Traffic Incident Management System (Jacksonville Traffic Management Center (TM to MCM)) | **Renamed the Service Package.** |
| ATMS08-09\_D2-2 | County Traffic Signal Systems (TM to MCM) | TM08 | Traffic Incident Management System (County Traffic Signal Systems (TM to MCM)) | **Renamed the Service Package.** |
| ATMS08-10\_D2-2 | City Traffic Signal Systems (TM to MCM) | TM08 | Traffic Incident Management System (City Traffic Signal Systems (TM to MCM)) | **Renamed the Service Package.** |
| ATMS08-11\_D2-2 | City of Jacksonville | TM08 | Traffic Incident Management System (City of Jacksonville and Local EM) | **Renamed the Service Package.** |
| ATMS08-12\_D2-2 | County and Local Maintenance | TM08 | Traffic Incident Management System (County and Local Maintenance) | **Renamed the Service Package.** |
| ATMS08-13\_D2-2 | FDOT District 2 | TM08 | Traffic Incident Management System (FDOT District 2) | **Renamed the Service Package.** |
| ATMS08-14\_D2-2 | City of Jacksonville | TM08 | Traffic Incident Management System (FDOT District 2 and City of Jacksonville MCM) | **Renamed the Service Package.** |
| ATMS08-15\_D2-2 | County and City Maintenance | TM08 | Traffic Incident Management System (County and City Maintenance) | **Renamed the Service Package.** |
| ATMS08-16\_D2-2 | Local and Statewide Public Safety (EM to EVS) | TM08 | Traffic Incident Management System (Local and Statewide Public Safety (EM to EVS)) | **Renamed the Service Package.** |
| ATMS08-17\_D2-2 | City of Jacksonville Public Safety (EM to EVS) | TM08 | Traffic Incident Management System (City of Jacksonville Public Safety (EM to EVS)) | **Renamed the Service Package.** |
| ATMS08-18\_D2-2 | County Public Safety (EM to EVS) | TM08 | Traffic Incident Management System (County Public Safety (EM to EVS)) | **Renamed the Service Package.** |
| ATMS16-1\_D2-2 | All Parking Facilities | PM03 | Parking Electronic Payment (All Parking Facilities) | **Renamed the Service Package.** |
| ATMS16-2\_D2-2 | Jacksonville International Airport | PM03 | Parking Electronic Payment (Jacksonville International Airport) | **Renamed the Service Package.** |
| ATMS02-3\_D2 | Gainesville Smart Traffic TMC | TM02 | Vehicle-Based Traffic Surveillance (Gainesville Smart Traffic TMC) | **Renamed the Service Package.** |
| ATMS02-4\_D2 | St. Johns County | TM02 | Vehicle-Based Traffic Surveillance (St. Johns County) | **Renamed the Service Package.** |
| ATMS02-5\_D2 | Nassau County/Counties and Local Traffic Control | TM02 | Vehicle-Based Traffic Surveillance (Nassau County/Counties and Local Traffic Control) | **Renamed the Service Package.** |
| ATMS13-2\_D2 | Lake City / City of Palatka Traffic Signal Control Systems | TM13 | Standard Railroad Grade Crossing (Lake City / City of Palatka Traffic Signal Control Systems) | **Renamed the Service Package.** |
| ATMS16-2\_D2 | Jacksonville International Airport | PM01 | Parking Space Management (Jacksonville International Airport) | **Renamed the Service Package.** |
| ATMS17-2\_D2 | Jacksonville Parking Pilot | PM04 | Regional Parking Management (Jacksonville Parking Pilot) | **Renamed the Service Package.** |
| ATMS20-2\_D2 | Bridge Notification System | TM18 | Drawbridge Management (Bridge Notification System) | **Renamed the Service Package.** |
| ATMS24-02 | Connected Vehicle Wrong-Way Driving | TM12 | Dynamic Roadway Warning (Connected Vehicle Wrong-Way Driving) | **Renamed the Service Package.** |
| ATMS03-1\_D2 | Clay County Signal Control System | TM03 | Traffic Signal Control (Clay County Signal Control System) | **Renamed the Service Package.** |
| ATMS03-2\_D2 | Gainesville Traffic Signal Control System | TM03 | Traffic Signal Control (Gainesville Traffic Signal Control System) | **Renamed the Service Package.** |
| ATMS03-3\_D2 | Jacksonville Traffic Management Center | TM03 | Traffic Signal Control (Jacksonville Traffic Management Center) | **Renamed the Service Package.** |
| ATMS03-4\_D2 | Lake City Traffic Signal Control System | TM03 | Traffic Signal Control (Lake City Traffic Signal Control System) | **Renamed the Service Package.** |
| ATMS03-5\_D2 | St. Johns County Traffic Signal System | TM03 | Traffic Signal Control (St. Johns County Traffic Signal System) | **Renamed the Service Package.** |
| ATMS03-6\_D2 | City of Palatka Traffic Signal Systems | TM03 | Traffic Signal Control (City of Palatka Traffic Signal Systems) | **Renamed the Service Package.** |
| ATMS03-7\_D2 | County and Local Traffic Control Systems | TM03 | Traffic Signal Control (County and Local Traffic Control Systems) | **Renamed the Service Package.** |
| ATMS03-8\_D2 | Putnam County Traffic Signal System | TM03 | Traffic Signal Control (Putnam County Traffic Signal System) | **Renamed the Service Package.** |
| ATMS03-9\_D2 | Nassau County | TM03 | Traffic Signal Control (Nassau County) | **Renamed the Service Package.** |
| ATMS13-3\_D2 | Clay County / County and Local / St. Johns County | TM13 | Standard Railroad Grade Crossing (Clay County / County and Local / St. Johns County) | **Renamed the Service Package.** |
| ATMS17-3\_D2 | St. Augustine Parking Management System | PM04 | Regional Parking Management (St. Augustine Parking Management System) | **Renamed the Service Package.** |
| MC04-1\_D2 | FDOT District 2 | WX02 | Weather Information Processing and Distribution (FDOT District 2) | **Renamed the Service Package.** |
| ATMS17-4\_D2 | FDOT CV Parking | PM04 | Regional Parking Management (FDOT Truck Parking) | **Renamed the Service Package.** |
| ATMS05-1\_D2 | FDOT District 2 Express Lanes | ST06 | HOV/HOT Lane Management (FDOT District 2 Express Lanes) | **Renamed the Service Package.** |
| ATMS06-01\_D2 | FDOT District 2 | TM06 | Traffic Information Dissemination (FDOT District 2) | **Renamed the Service Package.** |
| ATMS06-02\_D2 | Clay County Signal Control System | TM06 | Traffic Information Dissemination (Clay County Signal Control System) | **Renamed the Service Package.** |
| ATMS06-03\_D2 | Gainesville Traffic Signal Control System | TM06 | Traffic Information Dissemination (Gainesville Traffic Signal Control System) | **Renamed the Service Package.** |
| ATMS06-04\_D2 | Jacksonville Traffic Management Center | TM06 | Traffic Information Dissemination (Jacksonville Traffic Management Center) | **Renamed the Service Package.** |
| ATMS06-05\_D2 | Lake City Traffic Signal Control System | TM06 | Traffic Information Dissemination (Lake City Traffic Signal Control System) | **Renamed the Service Package.** |
| ATMS06-06\_D2 | St. Johns County Traffic Signal System | TM06 | Traffic Information Dissemination (St. Johns County Traffic Signal System) | **Renamed the Service Package.** |
| ATMS06-07\_D2 | County and Local Traffic Signal Control System | TM06 | Traffic Information Dissemination (County and Local Traffic Signal Control System) | **Renamed the Service Package.** |
| ATMS06-08\_D2 | City of Palatka Traffic Signal System | TM06 | Traffic Information Dissemination (City of Palatka Traffic Signal System) | **Renamed the Service Package.** |
| ATMS06-09\_D2 | Putnam County Traffic Signal System | TM06 | Traffic Information Dissemination (Putnam County Traffic Signal System) | **Renamed the Service Package.** |
| ATMS06-10\_D2 | Nassau County | TM06 | Traffic Information Dissemination (Nassau County) | **Renamed the Service Package.** |
| ATMS07-1\_D2 | FDOT Statewide ITS WAN/C2C Infrastructure | TM07 | Regional Traffic Management (FDOT Statewide ITS WAN/C2C Infrastructure) | **Renamed the Service Package.** |
| ATMS07-2\_D2 | FDOT District 2 | TM07 | Regional Traffic Management (FDOT District 2) | **Renamed the Service Package.** |
| ATMS07-3\_D2 | Jacksonville Traffic Management Center | TM07 | Regional Traffic Management (Jacksonville Traffic Management Center) | **Renamed the Service Package.** |
| ATMS07-4\_D2 | Clay County / St. Johns County | TM07 | Regional Traffic Management (Clay County / St. Johns County) | **Renamed the Service Package.** |
| ATMS07-5\_D2 | Alachua County / Putnam County | TM07 | Regional Traffic Management (Alachua County / Putnam County) | **Renamed the Service Package.** |
| ATMS07-6\_D2 | Military Bases Operations Center | TM07 | Regional Traffic Management (Military Bases Operations Center) | **Renamed the Service Package.** |
| ATMS08-01\_D2 | FDOT District 2 (TM to EM) | PS02 | Emergency Response (FDOT District 2 (TM to EM)) | **Renamed the Service Package.** |
| ATMS08-02\_D2 | County Signal Control System (TM to EM) | PS02 | Emergency Response (County Signal Control System (TM to EM)) | **Renamed the Service Package.** |
| ATMS08-03\_D2 | Jacksonville Traffic Management Center (TM to EM) | PS02 | Emergency Response (Jacksonville Traffic Management Center (TM to EM)) | **Renamed the Service Package.** |
| ATMS08-04\_D2 | Local Signal Control Systems (TM to EM) | PS02 | Emergency Response (Local Signal Control Systems (TM to EM)) | **Renamed the Service Package.** |
| ATMS08-05\_D2 | County Emergency Operations Center (TM to EM) | PS02 | Emergency Response (County Emergency Operations Center (TM to EM)) | **Renamed the Service Package.** |
| ATMS08-06\_D2 | Florida State EOC (TM to EM) | PS02 | Emergency Response (Florida State EOC (TM to EM)) | **Renamed the Service Package.** |
| ATMS08-07\_D2 | FDOT District 2 Traffic Management Center (TM to MCM) | PS02 | Emergency Response (FDOT District 2 Traffic Management Center (TM to MCM)) | **Renamed the Service Package.** |
| ATMS08-08\_D2 | Jacksonville Traffic Management Center (TM to MCM) | --- | --- | **Removed blank Service Package.** |
| ATMS08-09\_D2 | County Traffic Signal Systems (TM to MCM) | --- | --- | **Removed blank Service Package.** |
| ATMS08-10\_D2 | City Traffic Signal Systems (TM to MCM) | --- | --- | **Removed blank Service Package.** |
| ATMS08-11\_D2 | City of Jacksonville | PS02 | Emergency Response (City of Jacksonville) | **Renamed the Service Package.** |
| ATMS08-12\_D2 | County and Local Maintenance | PS02 | Emergency Response (County and Local Maintenance) | **Renamed the Service Package.** |
| ATMS08-13\_D2 | FDOT District 2 | PS02 | Emergency Response (FDOT District 2) | **Renamed the Service Package.** |
| ATMS08-14\_D2 | City of Jacksonville | --- | --- | **Removed duplicate Service Package.** |
| ATMS08-15\_D2 | County and City Maintenance | PS02 | Emergency Response (County and City Maintenance) | **Renamed the Service Package.** |
| ATMS08-16\_D2 | Local and Statewide Public Safety (EM to EVS) | PS02 | Emergency Response (Local and Statewide Public Safety (EM to EVS)) | **Renamed the Service Package.** |
| ATMS08-17\_D2 | City of Jacksonville Public Safety (EM to EVS) | PS02 | Emergency Response (City of Jacksonville Public Safety (EM to EVS)) | **Renamed the Service Package.** |
| ATMS08-18\_D2 | County Public Safety (EM to EVS) | PS02 | Emergency Response (County Public Safety (EM to EVS)) | **Renamed the Service Package.** |
| ATMS09-1\_D2 | FDOT District 2 Traffic Management Center (HOT / Express Lanes) | TM09 | Integrated Decision Support and Demand Management (FDOT District 2 Traffic Management Center (HOT / Express Lanes)) | **Renamed the Service Package.** |
| ATMS09-2\_D2 | FDOT District 2 Integrated Corridor Management | TM09 | Integrated Decision Support and Demand Management (FDOT District 2 Integrated Corridor Management) | **Renamed the Service Package.** |
| ATMS10-1\_D2 | Express Lane Toll Collection | TM10 | Electronic Toll Collection (Express Lane Toll Collection) | **Renamed the Service Package.** |
| ATMS10-2\_D2 | Toll Collection | TM10 | Electronic Toll Collection (Toll Collection) | **Renamed the Service Package.** |
| EM01-3\_D2 | City of Jacksonville Public Safety Agencies | PS01 | Emergency Call-Taking and Dispatch (City of Jacksonville Public Safety Agencies) | **Renamed the Service Package.** |
| EM01-4\_D2 | Local Dispatch | PS01 | Emergency Call-Taking and Dispatch (Local Dispatch) | **Renamed the Service Package.** |
| EM01-5\_D2 | Florida Highway Patrol | PS01 | Emergency Call-Taking and Dispatch (Florida Highway Patrol) | **Renamed the Service Package.** |
| EM02-1\_D2 | Local Fire/Rescue | PS03 | Emergency Vehicle Preemption (Local Fire/Rescue) | **Renamed the Service Package.** |
| EM02-2\_D2 | County Fire/Rescue Dispatch | PS03 | Emergency Vehicle Preemption (County Fire/Rescue Dispatch) | **Renamed the Service Package.** |
| EM02-1\_D2-2 | Local Fire/Rescue | PS01 | Emergency Call-Taking and Dispatch (Local Fire/Rescue) | **Renamed the Service Package.** |
| EM02-2\_D2-2 | County Fire/Rescue Dispatch | PS01 | Emergency Call-Taking and Dispatch (County Fire/Rescue Dispatch) | **Renamed the Service Package.** |
| EM02-3\_D2-2 | Private/Public Ambulance Dispatch | PS01 | Emergency Call-Taking and Dispatch (Private/Public Ambulance Dispatch) | **Renamed the Service Package.** |
| EM02-4\_D2-2 | Clay County Signal Control System | PS01 | Emergency Call-Taking and Dispatch (Clay County Signal Control System) | **Renamed the Service Package.** |
| EM02-5\_D2-2 | Jacksonville Traffic Management Center | PS01 | Emergency Call-Taking and Dispatch (Jacksonville Traffic Management Center) | **Renamed the Service Package.** |
| EM02-6\_D2-2 | Gainesville Traffic Signal Control System | PS01 | Emergency Call-Taking and Dispatch (Gainesville Traffic Signal Control System) | **Renamed the Service Package.** |
| EM02-7\_D2-2 | Lake City Traffic Signal Control System | PS01 | Emergency Call-Taking and Dispatch (Lake City Traffic Signal Control System) | **Renamed the Service Package.** |
| EM02-8\_D2-2 | St. Johns County Traffic Signal System | PS01 | Emergency Call-Taking and Dispatch (St. Johns County Traffic Signal System) | **Renamed the Service Package.** |
| EM02-9\_D2-2 | Putnam County Traffic Signal System | PS01 | Emergency Call-Taking and Dispatch (Putnam County Traffic Signal System) | **Renamed the Service Package.** |
| EM02-3\_D2 | Private/Public Ambulance Dispatch | PS03 | Emergency Vehicle Preemption (Private/Public Ambulance Dispatch) | **Renamed the Service Package.** |
| EM02-4\_D2 | Clay County Signal Control System | PS03 | Emergency Vehicle Preemption (Clay County Signal Control System) | **Renamed the Service Package.** |
| EM02-5\_D2 | Jacksonville Traffic Management Center | PS03 | Emergency Vehicle Preemption (Jacksonville Traffic Management Center) | **Renamed the Service Package.** |
| EM02-6\_D2 | Gainesville Traffic Signal Control System | PS03 | Emergency Vehicle Preemption (Gainesville Traffic Signal Control System) | **Renamed the Service Package.** |
| EM02-7\_D2 | Lake City Traffic Signal Control System | PS03 | Emergency Vehicle Preemption (Lake City Traffic Signal Control System) | **Renamed the Service Package.** |
| EM02-8\_D2 | St. Johns County Traffic Signal System | PS03 | Emergency Vehicle Preemption (St. Johns County Traffic Signal System) | **Renamed the Service Package.** |
| EM02-9\_D2 | Putnam County Traffic Signal System | PS03 | Emergency Vehicle Preemption (Putnam County Traffic Signal System) | **Renamed the Service Package.** |
| EM03-1\_D2 | 911 Emergency Call Centers | PS04 | Mayday Notification (911 Emergency Call Centers) | **Renamed the Service Package.** |
| EM04-1\_D2 | FDOT Road Ranger Service Patrol | PS08 | Roadway Service Patrols (FDOT Road Ranger Service Patrol) | **Renamed the Service Package.** |
| EM05-1\_D2 | FDOT District 2 | PS09 | Transportation Infrastructure Protection (FDOT District 2) | **Renamed the Service Package.** |
| EM06-1\_D2 | Amber Alert | PS10 | Wide-Area Alert (Amber Alert) | **Renamed the Service Package.** |
| EM06-2\_D2 | County EOC (General Alerts) (1 of 3) | PS10 | Wide-Area Alert (County EOC (General Alerts) (1 of 3)) | **Renamed the Service Package.** |
| EM06-3\_D2 | County EOC (2 of 3) | PS10 | Wide-Area Alert (County EOC (2 of 3)) | **Renamed the Service Package.** |
| EM06-4\_D2 | County EOC (3 of 3) | PS10 | Wide-Area Alert (County EOC (3 of 3)) | **Renamed the Service Package.** |
| EM07-1\_D2 | County Emergency Operations Center (1 of 3) | PS11 | Early Warning System (County Emergency Operations Center (1 of 3)) | **Renamed the Service Package.** |
| EM07-2\_D2 | County Emergency Operations Center (2 of 3) | PS11 | Early Warning System (County Emergency Operations Center (2 of 3)) | **Renamed the Service Package.** |
| EM07-3\_D2 | County Emergency Operations Center (3 of 3) | PS11 | Early Warning System (County Emergency Operations Center (3 of 3)) | **Renamed the Service Package.** |
| EM08-1\_D2 | County Emergency Operations Center (1 of 3) | PS12 | Disaster Response and Recovery (County Emergency Operations Center (1 of 3)) | **Renamed the Service Package.** |
| EM08-2\_D2 | County Emergency Operations Center (2 of 3) | PS12 | Disaster Response and Recovery (County Emergency Operations Center (2 of 3)) | **Renamed the Service Package.** |
| EM08-3\_D2 | County Emergency Operations Center (3 of 3) | PS12 | Disaster Response and Recovery (County Emergency Operations Center (3 of 3)) | **Renamed the Service Package.** |
| EM09-1\_D2 | County Emergency Operations Center (1 of 3) | PS13 | Evacuation and Reentry Management (County Emergency Operations Center (1 of 3)) | **Renamed the Service Package.** |
| EM09-2\_D2 | County Emergency Operations Center (2 of 3) | PS13 | Evacuation and Reentry Management (County Emergency Operations Center (2 of 3)) | **Renamed the Service Package.** |
| EM09-3\_D2 | County Emergency Operations Center (3 of 3) | PS13 | Evacuation and Reentry Management (County Emergency Operations Center (3 of 3)) | **Renamed the Service Package.** |
| EM10-1\_D2 | County Emergency Operations Center | PS14 | Disaster Traveler Information (County Emergency Operations Center) | **Renamed the Service Package.** |
| MC01-1\_D2 | FDOT District 2 | MC01 | Maintenance and Construction Vehicle and Equipment Tracking (FDOT District 2) | **Renamed the Service Package.** |
| MC01-2\_D2 | County and Municipal Maintenance | MC01 | Maintenance and Construction Vehicle and Equipment Tracking (County and Municipal Maintenance) | **Renamed the Service Package.** |
| MC02-1\_D2 | FDOT District 2 | MC02 | Maintenance and Construction Vehicle Maintenance (FDOT District 2) | **Renamed the Service Package.** |
| MC02-2\_D2 | City of Jacksonville | MC02 | Maintenance and Construction Vehicle Maintenance (City of Jacksonville) | **Renamed the Service Package.** |
| MC02-3\_D2 | County and Municipal Maintenance | MC02 | Maintenance and Construction Vehicle Maintenance (County and Municipal Maintenance) | **Renamed the Service Package.** |
| MC03-1\_D2 | FDOT District 2 Traffic Management Center | WX01 | Weather Data Collection (FDOT District 2 Traffic Management Center) | **Renamed the Service Package.** |
| MC03-2\_D2 | City of Jacksonville Traffic Management Center | WX01 | Weather Data Collection (City of Jacksonville Traffic Management Center) | **Renamed the Service Package.** |
| MC03-3\_D2 | St. Johns County | WX01 | Weather Data Collection (St. Johns County) | **Renamed the Service Package.** |
| MC06-1\_D2 | FDOT District 2 | MC04 | Hurricane Maintenance (FDOT District 2) | **Renamed the Service Package.** |
| MC07-1\_D2 | FDOT District 2 (1 of 2) | MC05 | Roadway Maintenance and Construction (FDOT District 2 (1 of 2)) | **Renamed the Service Package.** |
| MC07-2\_D2 | FDOT District 2 (2 of 2) | MC05 | Roadway Maintenance and Construction (FDOT District 2 (2 of 2)) | **Renamed the Service Package.** |
| MC07-3\_D2 | City of Jacksonville | MC05 | Roadway Maintenance and Construction (City of Jacksonville) | **Renamed the Service Package.** |
| MC07-4\_D2 | County and Municipal Maintenance | MC05 | Roadway Maintenance and Construction (County and Municipal Maintenance) | **Renamed the Service Package.** |
| MC07-5\_D2 | Gainesville Smart Traffic TMC | MC05 | Roadway Maintenance and Construction (Gainesville Smart Traffic TMC) | **Renamed the Service Package.** |
| MC08-1\_D2 | FDOT District 2 | MC06 | Work Zone Management (FDOT District 2) | **Renamed the Service Package.** |
| MC08-2\_D2 | County and City Roadway Maintenance and Construction Systems (1 of 2) | MC06 | Work Zone Management (County and City Roadway Maintenance and Construction Systems (1 of 2)) | **Renamed the Service Package.** |
| MC08-3\_D2 | County and City Roadway Maintenance and Construction Systems (2 of 2) | MC06 | Work Zone Management (County and City Roadway Maintenance and Construction Systems (2 of 2)) | **Renamed the Service Package.** |
| MC08-4\_D2 | City of Jacksonville (1 of 2) | MC06 | Work Zone Management (City of Jacksonville (1 of 2)) | **Renamed the Service Package.** |
| MC08-5\_D2 | City of Jacksonville (2 of 2) | MC06 | Work Zone Management (City of Jacksonville (2 of 2)) | **Renamed the Service Package.** |
| MC09-1\_D2 | FDOT District 4 / FDOT District 6 | MC07 | Work Zone Safety Monitoring (FDOT District 2) | **Renamed the Service Package.** |
| MC09-2\_D2 | County and Municipal Maintenance | MC07 | Work Zone Safety Monitoring (County and Municipal Maintenance) | **Renamed the Service Package.** |
| MC10-1\_D2 | FDOT District 2 (1 of 2) | MC08 | Maintenance and Construction Activity Coordination (FDOT District 2 (1 of 2)) | **Renamed the Service Package.** |
| MC10-2\_D2 | FDOT District 2 (2 of 2) | MC08 | Maintenance and Construction Activity Coordination (FDOT District 2 (2 of 2)) | **Renamed the Service Package.** |
| MC10-3\_D2 | County and Municipal Maintenance (1 of 3) | MC08 | Maintenance and Construction Activity Coordination (County and Municipal Maintenance (1 of 3)) | **Renamed the Service Package.** |
| MC10-4\_D2 | County and Municipal Maintenance (2 of 3) | MC08 | Maintenance and Construction Activity Coordination (County and Municipal Maintenance (2 of 3)) | **Renamed the Service Package.** |
| MC10-5\_D2 | County and Municipal Maintenance (3 of 3) | MC08 | Maintenance and Construction Activity Coordination (County and Municipal Maintenance (3 of 3)) | **Renamed the Service Package.** |

## Current and New Projects in the Architecture

The projects were a primary source of discussion and review during the Review Meeting and the Stakeholder Workshop. Projects that are part of a larger deployment program, containing the same elements and interfaces, and are repeated over consecutive geographic segments or project phases, were generalized into a single project instance. This generalization constitutes the definition of one project architecture that will be used multiple times for different iterations of a deployed configuration. In the same vein, on-going projects that are implementing the same technology supporting the physical expansion of a system, such as a CCTV expansion, were also generalized as one project architecture definition. This has the benefit of reducing the complexity of the architecture and maintaining consistency across repetitive projects.

Projects that were identified as being completed, were merged into the District 2 RITSA. Projects that have not been completed but are going to be deployed, were noted as on-going. Projects that are no longer valid or being pursued, were removed. New projects were added as identified by stakeholders. The revisions received from stakeholder reviews for the current District 2 RITSA projects are provided in Table 6. New projects added to the RITSA are provided in Table 7.

Table Current RITSA Projects

| **Project** | **Stakeholder Comment / Recommended Disposition** | **Action Taken** |
| --- | --- | --- |
| City of St. Augustine Freight Loading Zones | Revise timeframe to short.  Revise description to “This project will connect the RTMC to Commercial Management in order to communicate the availability of Commercial Loading Zones in downtown St. Augustine.”  Change Project Name to “City of St. Augustine Commercial Loading Zones”.  From Xavier Pellicer: The Project Name should be changed to “City of St. Augustine Commercial Loading Zones”. The Description should be revised to “This project would connect the RTMC to Commercial Management in order to communicate the availability of Commercial Loading Zones in Downtown St. Augustine.” The timeframe should be changed to Short. | **Project title, description, and status revised.** |
| City of St. Augustine Traffic Surveillance | Project is complete, merge the project into the District 2 RITSA and then delete the project architecture.  Update from Workshop: Confirmed that project is complete. | **Removed project.**  **In regional architecture, changed status of TM01: ATMS01-07\_D2 to existing. Also, changed status of traffic images and video surveillance control flows to existing (as detector flows of project were already existing.)** |
| FDOT Express Lanes | Project is complete, merge the project into the District 2 RITSA and then delete the project architecture.  Update from Workshop: FDOT Express Lanes is an On-going project. Similar projects for St. Augustine and Jacksonville should be added. | **Project merged into regional architecture. Project was not removed. Project status changed to on-going.**  FDOT Express Lanes Project is now defined as a generic project. It will be used for similar projects in St. Augustine and Jacksonville. |
| FDOT Road Weather Information System (RWIS) | FDOT Road Weather Information System (RWIS) is an On-going project. Peter Vega stated that the project definition will change given it will interface with the Data Integration and Video Aggregation System (DIVAS) and other systems. The interface is not with the Regional Transportation Management System (RTMC). St. Augustine and Jacksonville systems will also need to be included.  Verify whether City of Jacksonville should be a Stakeholder versus City of Jacksonville Traffic Engineering Division. | **Changed project to on-going. Added FDOT Central Office RWIS Servers that collect RWIS data. Connected FDOT District 2 RTMC to RWIS Servers for RWIS data access. Added St. Augustine and Jacksonville RWIS. Added DIVAS for access to RWIS data. Project stakeholder changed from City of Jacksonville to City of Jacksonville Traffic Engineering Division.** |
| Gainesville Arterial DMS | Project is complete, merge the project into the District 2 RITSA and then delete the project architecture.  Update from Workshop: This is an Ongoing project. | **Revised status of project to ongoing. Also, revised description of the project so it is not in future tense. Removed project timeframe.**  **In regional architecture, changed status of flows to existing.** |
| Gainesville Expanded Automated Arterial Travel Time System | Project is complete, merge the project into the District 2 RITSA and then delete the project architecture.  Update from Workshop: Project should be removed and a new project should be added that implements Bluetooth technology. It will be replaced with a Connected and Automated Vehicle (CAV) project. | **Gainesville Expanded Automated Arterial Travel Time System project added to RITSA and removed from project list.**  **Added Gainesville Bluetooth Automated Arterial Travel Time System project.**  **Added Gainesville Connected Vehicle Automated Arterial Travel Time System project.** |
| Gainesville TDM | Change status to long.  Update from Workshop: The project description needs to be revised. Pricing should be added for Express Lanes. In description, clarify intent. | **Revised project status to long and added express lane pricing to the project description. Project description revised to highlight the intent of the TDM project to improve roadway capacity and encourage modal options.** |
| I-75 ITS Corridor | Project is complete, merge the project into the District 2 RITSA and then delete the project architecture. | **Project merged into regional architecture then project was removed.** |
| jax511.com Real-Time Transit Data | Needs to be updated. | **Project updated to include regional agency transit data exchange with jax511.com.** |
| Jax511.com Transit Schedule Data | This is an existing project. Peter Vega suggested talking to the Jacksonville Transportation Authority (JTA) about how this has been implemented because it may have changed regarding the application implementation. It may be a JTA website rather than Jax511.com. | jax511.com transfers to the JTA transit website for transit data and this exchange is represented in the RITSA. **The project is complete and has been merged into the RITSA. The project has been removed from the project list.** |
| JTA AVL Probe Data | Project is still planned. | No revision necessary. |
| JTA Fixed-Route CAD/AVL | Project is complete, merge the project into the District 2 RITSA and then delete the project architecture. | **Project merged into regional architecture then project was removed.** |
| Nassau County Regional Traveler Information | Project is complete, merge the project into the District 2 RITSA and then delete the project architecture.  Update from Workshop: Confirmed that project is complete. | **Project merged into regional architecture then project was removed.** |
| Nassau County Traffic Image Dissemination | Existing but still planned for other locations.  Update from Workshop: This is an Ongoing project. Cameras are being implemented and dissemination will follow. Software has been installed in the Emergency Operations Center (EOC) and the Sheriff’s Department is working with the traffic department regarding viewing the images. There are no alerts in the system at this time to notify when a camera goes down. | **Project status changed to on-going. Added County EOC and Sheriff’s Dispatch with traffic images flows. Added field equipment status information flow as a planned flow to communicate camera status to Nassau County Traffic Signal System.** |
| Newberry Road Traffic Signals #2 | Delete project. | **Project removed.** |
| Newberry Road Traffic Signals #3 | Delete project. | **Project removed.** |
| Newberry Road Traffic Signals #4 | Delete project. | **Project removed.** |
| Newberry Road Traffic Signals #5 | Delete project. | **Project removed.** |
| SR 111 Traffic Signals | Project is complete, merge the project into the District 2 RITSA and then delete the project architecture. | **Project merged into regional architecture then project was removed.** |
| SR 24 Signal Maintenance | Project is complete, merge the project into the District 2 RITSA and then delete the project architecture.  Update from Workshop: Project needs to be changed to make it generic for City of Gainesville that will be Ongoing. Change description to Gainesville rather than Jacksonville. | **Title of project changed to “Gainesville Signal Maintenance”. Changed status of project to ongoing. Removed project timeframe. Changed project geographic scope to “City of Gainesville”.**  In regional architecture, checked status of flows and all were existing so no revision necessary. |
| SR 24 Signal Maintenance #2 | Revise title to SR 24/Archer Rd Signal Maintenance. | **Project removed as it is covered by the generic project created for SR 24 Signal Maintenance.** |
| St. Augustine Parking Management System | Revise description to delete “as well as for beach parking in the area”.  Revise timeframe to Short.  Update from Workshop: Confirmed above revisions. | **Project description and timeframe revised.** |
| St. Augustine Reversible Lane System | Delete project. | **Project removed.** |
| St. Johns County Bridge Notification System | Some deployed but still planned for other locations.  Update from Workshop: This is an Ongoing project and details will be gathered from Peter Vega. | **Project status changed to on-going.** No further details required per Peter Vega. |
| St. Johns County DMS Enhancements | Project is complete, merge the project into the District 2 RITSA and then delete the project architecture.  Update from Workshop: The I-95 portion is complete and the remainder of the project is ongoing. Further details will be gathered from Peter Vega. | **Project status changed to on-going.** This project will be treated as a generic project over the stages of DMS deployment. |
| St. Johns County Traffic Surveillance Enhancements | Revise as surveillance is deployed as part of traffic signal projects.  Update from Workshop: This is an ongoing project. | **Project status changed to Ongoing. Project description revised and timeframe removed.**  In regional architecture, checked status of all project flows are existing so no revision necessary. |
| St. Johns County Travel Time System | Planned technology to be used is Bluetooth.  Update from Workshop: Project is Ongoing projects and further information will be gathered from Peter Vega. | **Project updated for Bluetooth technology and status changed to on-going. The service package was changed to TM01 Infrastructure-based Traffic Surveillance which supports Bluetooth.** |
| St. Johns County/City of St. Augustine RWIS Deployment | Bridge Wind Sensors have been deployed but keep project as addition planned.  Can this project include flood sensors?  Update from Workshop: Confirmed above revisions. | **Revised project description to note the implementation of bridge wind sensors and the inclusion of flood monitoring sensors as part of the RWIS project.** The information flows included in the project are supportive of flood monitoring sensors along with the other measurement devices for RWIS. |
| St. Johns County/City of St. Augustine Travel Time Deployment | Delete project.  Update from Workshop: Confirmed that project should be deleted. | **Removed project.** |
| St. Johns County/City of St. Augustine Traveler Information System | Planned, add signs, cameras and parking app. | **Project revised to provide camera images from St. Johns County TMC to the Traveler Information System. The St. Augustine Parking Management System was added to provide parking information to the Traveler Information System. A parking application will reside on the Private Travelers Personal Computing Devices element.** |
| SW 13 Street DMS | Project is complete. One DMS has been installed and there are no plans for additional installations. | **Project removed.**  In regional architecture, checked status of project flows and all DMS-related flows were existing so no revision necessary. |

Table 7 New Projects

| **New Project** | **Stakeholder Comment / Recommended Disposition** | **Disposition/Action Taken** |
| --- | --- | --- |
| Clay County Traffic Signal Upgrade | SR 21 rebuild through Keystone Heights will include fiber and Advanced Traffic Controllers (ATC). | **Added Clay County Traffic Signal Upgrade project and included Traffic Signal Control (Clay County Signal Control System) service.** |
| Gainesville RTS Advanced Driver Assistance System (ADAS) | The University of Florida’s Technology Institute is applying for Federal grants. A question was asked if those projects should be in the RITSA. The response was that pilots and standalone projects do not need to be in the RITSA, but operational projects do. | **Added new project titled Gainesville RTS Advanced Driver Assistance System (ADAS). Created new element, Gainesville Regional Transit Vehicle Operator. Created new service, PT11 (Gainesville RTS).** |
| New Gainesville CAV Projects | Gainesville has state routes with CAV pilot projects that should be added to the RITSA. The USDOT CAV pilot site can be referenced for specific project locations and information. | **Received input from City of Gainesville on CAV projects. Projects added:**   * **Gainesville Bike and Pedestrian Safety** * **Gainesville Connected Vehicle Arterial Travel Time System** * **Gainesville Signal Phase and Timing (SPaT) Trapezium** * **Gainesville AV Shuttle** * **I-75 Floridas Regional Advanced Mobility Elements (FRAME)** |
| New Jacksonville Projects | Bay Street Innovation Corridor is a $25,000,000 JTA project and a BUILD grant application that should be added to the RITSA. The innovation corridor and BayJAX Testbed are CAV projects/pilots that are being developed. Architecture content for these projects will be provided for the District 2 RITSA. | **Added the following projects:**   * **JTA Ultimate Urban Circulator (U2C)** * **BayJax Smart and Connected Signals Project** * **BayJax Pedestrian Sensor Project** * **BayJax Street Flood Notification System** * **BayJax Smart Lighting Project** * **BayJax Wayfinding and Event Management Project** * **BayJax Public Safety and Surveillance Project** |
| Security and Credentials Services for CAV Projects | Include Security and Credentials Management services for new CAV projects. | **FDOT SCMS and CAV-ITS Map Update System elements along with services SU08 SCMS, SU04 Map Management, and SU09 Device Certification and Enrollment were added to CAV projects BayJax Smart and Connected Signals, Gainesville AV Shuttle, Gainesville Bike and Pedestrian Safety, Gainesville Connected Vehicle Arterial Travel Time System, Gainesville SPaT Trapezium, I-75 FRAME, JTA U2C, and St. Augustine AV Shuttle for Parking Facilities.** |
| St. Augustine AV Shuttle for Parking Facilities | Add new project for Automated Vehicles in St. Augustine for Parking Management.  Description = Use of automated vehicles to shuttle pedestrians from parking areas.  Timeframe = Medium  Update from Workshop: Confirmed need for new project. | **Added Automated Vehicle project.** |
| St. Augustine Parking Shuttles | Add new project for St. Augustine Parking Shuttles  Description = Satellite Parking Facilities with Shuttle Buses provided by City of St. Augustine. Because of limited parking in Downtown, City provides parking on outskirts and shuttles visitors into Downtown. Main Park & Ride Lots are St. Johns County Health Dept. and Admin. Building, and 301 San Marco Lot. Additional and future lots include City of St. Augustine Beach City Hall, Anastasia Baptist Church, St. Augustine Amphitheatre, R. B. Hunt School, St. Augustine Alligator Farm, Broudy’s Lot on West King Street.  Update from Workshop: Confirmed need for new project. | **Added new project for parking shuttles, St. Augustine Parking Shuttles. Added elements for City of St. Augustine Parking Shuttle Vehicles and City of St. Augustine Parking Shuttle Center. Created new instance of PT02, Transit Fixed-Route Operations (City of St. Augustine Parking Shuttle). Built project and merged into region.**  **Note: Any parking services are covered under the existing St. Augustine Parking Management System project.** |
| St. Augustine Smart Lighting at Pedestrian Crosswalks | Add new project for Smart Lighting in St. Augustine for pedestrians and tourism.  Description = Provide Smart Lighting at RRFB’s and Pedestrian Traffic Signal Crosswalks.  Timeframe = Short  Update from Workshop: Confirmed need for new project. | **Added smart lighting project.** |
| St. Augustine West Castillo Drive Traffic Signal | Add new project for New Traffic Signal at West Castillo Drive at Cordova Street Intersection.  Description = Existing intersection with heavy traffic congestion near Parking Garage needs traffic signal especially during Peak Seasons Spring/Festivals and Nights of Lights.  Timeframe = Short  Update from Workshop: Confirmed need for new project. | **Added new traffic control project.** |
| Support for JAXPORT Projects | JAXPORT has opportunities for Federal funds for seaports. | **Specific project information not provided however information led to adding CVO02 Freight Administration service and CVO11 Freight Drayage Optimization service which will support those projects in the future.** |

## Agreements

The agreements listed in the District 2 RITSA were reviewed and stakeholders provided inputs on the current list. Revisions to agreements and new agreements were added as noted in Table 8.

Table Agreements

| **Agreement** | **Stakeholder Comment / Recommended Disposition** | **Action Taken** |
| --- | --- | --- |
| FDOT Landscaping Maintenance and Compensation Agreement | This agreement is not applicable to ITS. | **Agreement removed.** |
| FDOT Traffic Signal Maintenance and Compensation Agreement | In description of agreement #1, FDOT Traffic Signal Maintenance and Compensation Agreement, correct spelling of municipalities. | **Description of agreement revised.** |
| St. Johns County Lighting | Delete agreement #5, St. Johns County Lighting, as it is not ITS related. Investigate if agreement for traffic signal pre-emption should be included. | **Agreement removed.** |
| New Agreement | Add agreement, Gainesville Traffic Operations.  Type = Interagency Agreement  Status = Existing  Description = This agreement covers traffic signal and traffic management services provided by the City of Gainesville to Alachua County, University of Florida, and partner Cities within Alachua County.  Lead Stakeholder = City of Gainesville  Associated Stakeholders = Alachua County, University of Florida, Cities of Archer, Hawthorne, High Springs, Newberry and Waldo | **Agreement added with lead stakeholder of City of Gainesville and other stakeholders of County and City Traffic Engineering and University of Florida.** |
| New Agreement | Add agreement, Gainesville Regional Transit System.  Type = Interagency Agreement  Status = Existing  Description = This agreement covers Regional Transit Services provided by the City of Gainesville to partners.  Lead Stakeholder = City of Gainesville  Associated Stakeholders = University of Florida, Alachua County, Santa Fe College | **Agreement added with lead stakeholder of City of Gainesville and other stakeholders of County and City Traffic Engineering and University of Florida.** |
| New Agreement | Add agreement, FDOT Traffic Signal Maint. & Compensation Agmt..  Type = Interagency Agreement  Status = Existing  Description = Agreement covers funding, installation, maintenance and operation of traffic signals in St. Augustine  Lead Stakeholder = FDOT D2  Associated Stakeholders = City of St. Augustine | **Added agreement with title “FDOT Traffic Signal Maintenance and Compensation Agreement-St. Augustine”.** |
| New Agreement | Add agreement, FDOT Highway Lighting Maint. & Compensation Agmt..  Type = Interagency Agreement  Status = Existing  Description = Agreement covers funding, installation, maintenance and operation of street lighting along FDOT roadways in St. Augustine  Lead Stakeholder = FDOT D2  Associated Stakeholders = City of St. Augustine | **Agreement added.** |
| New Agreement | Add agreement, FDOT Landscaping Maint. & Compensation Agmt..  Type = Interagency Agreement  Status = Existing  Description = Agreement covers funding, installation, maintenance and operation of Landscaping along FDOT roadways in St. Augustine  Lead Stakeholder = FDOT D2  Associated Stakeholders = City of St. Augustine | **Agreement added.** |
| New Agreement | Add agreement, FDOT Wayfinding Signs Maint. Agmt..  Type = Interagency Agreement  Status = Existing  Description = Agreement covers Maintenance of certain Wayfinding signs along FDOT R/W in St. Augustine  Lead Stakeholder = FDOT D2  Associated Stakeholders = City of St. Augustine | **Agreement added.** |
| New Agreement | Add agreement, Bridge of Lions Lighting Maint. on Bridge.  Type = Interagency Agreement  Status = Existing  Description = Agreement covers Maintenance and repair of Lighting on and associated with Bridge of Lions  Lead Stakeholder = FDOT D2  Associated Stakeholders = City of St. Augustine | **Agreement added.** |
| New Agreement | Add agreement, Bridge of Lions Lighting & Landscaping of Parks at both ends of Bridge.  Type = Interagency Agreement  Status = Existing  Description = Agmt. covers Operation, Maintenance and Repair of Landscaping, Hardscaping, Irrigation & Lighting of Parks on both ends of Bridge of Lions  Lead Stakeholder = FDOT D2  Associated Stakeholders = City of St. Augustine | **Agreement added.** |
| New Agreement | Add agreement, King Street Sidewalks Maint. Agmt.  Type = Interagency Agreement  Status = Existing  Description = Agmt. covers Maintenance of Sidewalks along King Street  Lead Stakeholder = FDOT D2  Associated Stakeholders = City of St. Augustine | **Agreement added.** |
| New Agreement | Add agreement, King Street at Cordova Intersection.  Type = Interagency Agreement  Status = Existing  Description = Agmt. covers Maintenance of Quick Curb Channeling Devises & Delineators in intersection  Lead Stakeholder = FDOT D2  Associated Stakeholders = City of St. Augustine | **Agreement added titled “King Street at Cordova Intersection Maintenance Agreement”.** |
| New Agreement | Add agreement, Utility Master Agmt..  Type = Interagency Agreement  Status = Existing  Description = Master Agmt. covers Utilities along all FDOT roads within City of St. Augustine  Lead Stakeholder = FDOT D2  Associated Stakeholders = City of St. Augustine | **Added agreement titled “FDOT Utility Master Agreement”** |
| New Agreement | Add agreement, Decorative Street Lights along US1 at San Sebastian River Bridge.  Type = Interagency Agreement  Status = Existing  Description = Agmt. covers Maint. of Aesthetic/Historical Lighting on US1 at San Sebastian River Bridge  Lead Stakeholder = FDOT D2  Associated Stakeholders = City of St. Augustine | **Added agreement titled “FDOT Decorative Street Lights Maintenance Agreement”.** |

## Stakeholder Roles and Responsibilities

Stakeholder Roles and Responsibilities (R&R) were added for the District 2 RITSA projects. The list of roles and responsibilities is too voluminous to warrant practical display in this report. Table 9 provides a sample list of roles and responsibilities included in the District 2 RITSA.

Table Sample List of Stakeholder Roles and REsponsibilities

| **Stakeholder** | **Roles and Responsibilities** |
| --- | --- |
| City of Jacksonville Traffic Engineering Division | Obtain traffic images and traffic flow data using CCTVs and field sensors, and maintain operational control of its own field equipment. |
| City of Jacksonville Traffic Engineering Division | Operate traffic signal systems for the City of Jacksonville. |
| City of Jacksonville Traffic Engineering Division | Perform network surveillance for detection and verification of incidents on city streets, and send traffic/incident information and traffic images to regional public safety agencies, such as the City of Jacksonville‘s fire and rescue/sheriff agencies; the |
| Clay County Public Works Traffic Control Division | Provide traffic information to travelers using Clay County DMS equipment. |
| Clay County Public Works Traffic Control Division | Provide traffic and road network information to local transit agencies. |
| Clay County Public Works Traffic Control Division | Coordinate emergency traffic signal control with the county EOC/Warning Point. |
| Clay County Public Works Traffic Control Division | Coordinate maintenance resources for incident response with county and city maintenance and construction systems. |
| Clay County Public Works Traffic Control Division | Coordinate traffic information with adjoining counties or with cities within Clay County. |
| FDOT District 2 | Provide traffic information to travelers via jax511.com, Florida 511, private traveler information providers, and the media. |
| FDOT District 2 | Receive requests for maintenance resources for incident response from county fire/EMS/sheriff, local police/fire/EMS, the FHP, 911 emergency call centers, and the FDOT District 2 EOC. |
| FDOT District 2 | Provide traffic information to travelers using FDOT DMS equipment. |
| FDOT District 2 | Provide regional state highway maintenance, including pavement maintenance and construction activities, such as infrastructure monitoring. |
| FDOT District 2 | Control and coordinate highway traffic with lane control signals on FDOT highways. |
| FDOT District 2 | Dispatch FDOT District 2 Road Ranger Service Patrol Vehicles. |
| FDOT District 2 | Provide traffic information to travelers using DMS devices. |
| FDOT District 2 | Provide traffic information (i.e., road network conditions) to local emergency management providers, such as local fire/EMS/police, the FHP, county sheriff’s office, etc. |
| Gainesville Traffic Operations Division | Operate and maintain connected vehicle equipment along roadway to provide signal information to vehicles. |
| Gainesville Traffic Operations Division | Coordinate emergency traffic signal control with the county EOC/Warning Point. |
| Gainesville Traffic Operations Division | Coordinate maintenance resources for incident response with county and city maintenance and construction systems. |
| Gainesville Traffic Operations Division | Coordinate multimodal connections for fixed-route transit vehicles with other regional transit agencies and multimodal service providers. |
| Gainesville Traffic Operations Division | Coordinate traffic information with FDOT District 2. |
| Jacksonville Transportation Authority | Provide transit information to the public using Web sites. |
| Jacksonville Transportation Authority | Provide transit vehicle security using silent alarms and video surveillance. |
| Jacksonville Transportation Authority | Provide transit schedule and fare information to regional traveler information systems, including the northeast Florida traveler information system and the JTA Web site. |
| Jacksonville Transportation Authority | Track the location of all JTA transit vehicles. |
| Local Agencies - Fire EMS/Rescue Departments | Dispatch local fire/EMS vehicles to incidents within the jurisdiction |
| Local Agencies - Fire EMS/Rescue Departments | Participate in incident response, coordination, and reporting for the regional incident and mutual aid network. |
| Local Agencies - Fire EMS/Rescue Departments | Perform incident detection and verification for all streets in the region, and provide this information to traffic and other safety agencies. |
| St. Johns County/City of St. Augustine | Coordinate with private freight management systems to organize commercial vehicle loading zones in St. Augustine. |

## Standards and Specifications

Standards and specifications were associated with the information flows in the District 2 RITSA. Table 10 provides a high-level list of standards that are included in the District 2 RITSA.

Table High-Level List of Standards in District 2 RITSA

| **Document ID** | **Standard Title** |
| --- | --- |
| APTA TCIP-S-001 | Standard for Transit Communications Interface Profiles |
| ASTM E2468-05 | Standard Practice for Metadata to Support Archived Data Management Systems |
| ASTM E2665-08 | Standard Specifications for Archiving ITS-Generated Traffic Monitoring Data |
| CEN - EN 15531-1 | Service Interface for Real-Time Information (SIRI) |
| Contact-Proximity-Interface | Proximity Communication Interface |
| DSRC-UDP | Vehicle-to-Vehicle/Infrastructure using UDP |
| DSRC-WSMP | Vehicle-to-Vehicle/Infrastructure using WSMP |
| GTFS | General Transit Feed Specification (GTFS) Static |
| GTFS-Realtime | General Transit Feed Specification (GTFS) Realtime |
| IEEE 1512 | Standard for Common Incident Management Message Sets for use by Emergency Management Centers |
| IEEE 1512.3 | Standard for Hazardous Material Incident Management Message Sets for Use by Emergency Management Centers |
| IEEE 1570 | Standard for the Interface Between the Rail Subsystem and the Highway Subsystem at a Highway Rail Intersection |
| IEEE 1609.11 | Standard for Wireless Access in Vehicular Environments (WAVE) - Over- the-Air Data Exchange Protocol for Intelligent Transportation Systems (ITS) |
| ISO 19091 | Intelligent transport systems -- Cooperative ITS -- Using V2I and I2V communications for applications related to signalized intersections |
| ITE TMDD | Traffic Management Data Dictionary (TMDD) and Message Sets for External Traffic Management Center Communications (MS/ETMCC) |
| NTCIP 1201 | Global Object Definitions |
| NTCIP 1202 | Object Definitions for Actuated Traffic Signal Controller (ASC) Units |
| NTCIP 1203 | Object Definitions for Dynamic Message Signs (DMS) |
| NTCIP 1204 | Object Definitions for Environmental Sensor Stations (ESS) |
| NTCIP 1205 | Object Definitions for Closed Circuit Television (CCTV) Camera Control |
| NTCIP 1208 | Object Definitions for Closed Circuit Television (CCTV) Switching |
| NTCIP 1209 | Data Element Definitions for Transportation Sensor Systems (TSS) |
| NTCIP 1210 | Field Management Stations (FMS) - Part 1: Object Definitions for Signal System Masters |
| NTCIP 1211 | Object Definitions for Signal Control and Prioritization (SCP) |
| NTCIP-DATEX | NTCIP using DATEX |
| NTCIP-SNMPv1 | NTCIP using SNMPv1 |
| NTCIP-SNMPv1 Secure | NTCIP-SNMPv1 Secure |
| NTCIP-SNMPv3 | NTCIP-SNMPv3 |
| NTCIP-STMP | NTCIP using STMP |
| ProtoBuf | ProtoBuf |
| RSE-C2F | RSE - Center to Field Communications |
| RSE-C2F-SNMP | RSE - Center to Field Communications - SNMP |
| RSE-F2F | Roadside Equipment to ITS Roadway Equipment |
| RSEGateway-VehicleDestination | Vehicle Communications via RSEs, Vehicle Destination |
| RSEGateway-VehicleSource | Vehicle Communications via RSEs, Vehicle Source |
| SAE J2313 | On-Board Land Vehicle Mayday Reporting Interface |
| SAE J2354 | Message Set for Advanced Traveler Information System (ATIS) |
| SAE J2735 | Dedicated Short Range Communications (DSRC) Message Set Dictionary |
| SAE J2945/1 | On-Board System Requirements for V2V Safety Communications |
| SAE J3067 | Candidate Improvements to Dedicated Short Range Communications (DSRC) Message Set Dictionary [SAE J2735] Using Systems Engineering Methods |
| SRC-Legacy | Legacy Short Range Comm Using IEEE 1455 |
| VehicleGateway-CenterSource | Vehicle Cluster from Center |
| WAB-Via-WAID | Wide-Area-Broadcast-Via-WAID |
| WAW-ASN1 | Wide Area Wireless using ASN.1 as encoding method |
| WAW-WWWBrowser-JSON | Wide Area Wireless using JSON as encoding method |
| WAW-XML | Wide Area Wireless using XML as encoding method |
| XML | eXtensible Markup Language |

## Requirements

Requirements were tailored for each new project added to the District 2 RITSA. The list of requirements is too voluminous to warrant practical display in this report. Table 11 provides a sample list of requirements included in the District 2 RITSA.

Table Sample Requirements List

| **Element Name** | **Functional Object** | **Requirement** |
| --- | --- | --- |
| City of Gainesville ATSPM System | Archive On-Line Analysis and Mining | The center shall provide the capability to perform activities such as data mining, data fusion, summarizations, aggregations, and recreation from archive data. This may include multidimensional analysis, selective summarization and expansion of data details, and many other advanced analysis services. |
| City of Gainesville CV Roadside Equipment | RSE Intersection Safety | The roadway equipment shall send to Connected Vehicles intersection signal timing information in order for the vehicle to determine if it will safely cross the intersection given its current speed and location. |
| City of Gainesville CV Roadside Equipment | RSE Intersection Safety | The field element shall collect current signal phase and timing data from the traffic signal controller |
| City of Gainesville Field Equipment | Roadway Signal Control | The field element shall receive request for transit vehicle signal priority. |
| City of Gainesville Field Equipment | Roadway Signal Control | The field element shall report current intersection signal timing information to roadside equipment for transmission to connected vehicles. |
| County Fire EMS/Rescue Dispatch | Emergency Routing | The center shall collect current traffic and road condition information for emergency vehicle route calculation. |
| County Fire EMS/Rescue Dispatch | Emergency Routing | The center shall track current emergency vehicle location and status along with other emergency vehicle characteristics. |
| County Fire EMS/Rescue Dispatch | Emergency Routing | The center shall collect road and traffic conditions information, including current traffic conditions en route, current traffic conditions on-scene, and road weather conditions (e.g. wet, icy, snow-covered). |
| FDOT District 2 CV Field Equipment | RSE Situation Monitoring | The field element shall collect traffic-related data including snapshots of measured speed and heading and events including starts and stops, speed changes, and other vehicle control from vehicles. |
| FDOT District 2 CV Field Equipment | RSE Situation Monitoring | The field element shall provide data collection parameters to vehicles. |
| FDOT District 2 CV Field Equipment | RSE Traffic Monitoring | The field element shall aggregate and forward collected probe information to the center. |
| FDOT District 2 RTMC | TMC Situation Data Management | The center shall collect traffic probe data from vehicles via roadside field equipment. |
| FDOT District 2 RTMC | TMC Situation Data Management | The center shall collect operational status for the roadside probe data collection equipment. |
| FDOT District 2 RTMC | TMC Situation Data Management | The center shall collect fault data for the roadside probe data collection equipment for repair. |
| Florida 511 | TIC Situation Data Management | The center shall aggregate collected traffic probe data, calculate route segment travel times, route segment speeds, route usage, and road weather information for dissemination to other centers. |
| Gainesville Regional Transit Vehicles | Transit Vehicle Signal Priority | The transit vehicle shall determine the schedule deviation and estimated times of arrival (ETA) at transit stops. |
| Gainesville Regional Transit Vehicles | Transit Vehicle Signal Priority | The transit vehicle shall send priority requests to traffic signal controllers at intersections, pedestrian crossings, and multimodal crossings on the roads (surface streets) and freeway (ramp controls) network that enable a transit vehicle schedule deviation to be corrected. |
| Gainesville Regional Transit Vehicles | Transit Vehicle Signal Priority | The transit vehicle shall prevent a priority request from being sent when the transit vehicle cannot use the priority (e.g., when the transit vehicle makes a passenger stop on the approach to an intersection). |
| Gainesville Smart Traffic TMC | TMC Signal Control | The center shall adjust signal timing in respond to a signal prioritization, signal preemption, pedestrian call, multi-modal crossing activation, or other requests for right-of-way. |
| Gainesville Smart Traffic TMC | TMC Signal Control | The center shall implement control plans to coordinate signalized intersections based on data from sensors and connected vehicles. |
| Gainesville Smart Traffic TMC | TMC Signal Control | The center shall remotely control traffic signal controllers. |
| St. Johns County Field Equipment | Roadway Basic Surveillance | The field element shall collect, process, digitize, and send traffic sensor data (speed, volume, and occupancy) to the center for further analysis and storage, under center control. |
| St. Johns County TMC | TMC Basic Surveillance | The center shall monitor, analyze, and distribute traffic images from CCTV systems under remote control of the center. |
| St. Johns County TMC | TMC Basic Surveillance | The center shall monitor, analyze, and store traffic sensor data (speed, volume, occupancy) collected from field elements under remote control of the center. |
| St. Johns County TMC | TIC Freight-Specific Travel Planning | The center shall provide customized traveler information for freight users to include truck routes, permit information, truck stops, inspection stations, steep grades, high-profile vehicle advisories, etc. Information provided includes freight-related road and weather conditions, parking information, and route plans. |
| St. Johns County TMC | TIC Freight-Specific Travel Planning | The center shall indicate the area covered by the freight traveler information service. |

# Report Summary

This report documents the revisions to the District 2 RITSA as part of the major update activities. The District 2 RITSA Final Update has been posted to the FDOT Architecture Website for access by stakeholders. The FDOT Architecture Website includes access to the District 2 RITSA RAD-IT Database.

Stakeholders are encouraged to provide information about any changes that are necessary to the District 2 RITSA content as they are found. The ITS Architecture Change Request Form can be found on the FDOT website under the Resources tab.