|  |
| --- |
| November 2023 |

|  |  |
| --- | --- |
|  | Florida ITS Architecture Support and Maintenance Project  Final District 3 Update Report  Version 2.0 |

|  |
| --- |
|  |
|  |

Document Version Control

|  |  |  |
| --- | --- | --- |
| Author / Action | Submittal Date | Version No. |
| David Binkley / Draft Document | October 26, 2023 | 1.0 |
| Cliff Heise / QA/QC Review | October 26, 2023 | 1.0 |
| David Binkley / Final Document | November 20, 2023 | 2.0 |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

Table of Contents

[1.0 Introduction 4](#_Toc87568945)

[2.0 Description of Changes 4](#_Toc87568946)

List of Tables

[Table 1 ARCHITECTURE Updates 5](#_Toc94393666)

[Table 2 Architecture Maintenance Log (District 3 RITSA) 8](#_Toc94393667)

# Introduction

This Update Report for the Florida District 3 Regional ITS Architecture (RITSA) identifies the revisions incorporated into the architecture. The purpose of this District 3 RITSA Update Report is to document revisions made to the District 3 RITSA to support Stakeholder input received through Architecture Change Requests as part of the Florida Intelligent Transportation Systems (ITS) Architecture Support and Maintenance Project.

The Florida ITS Architecture Support and Maintenance Project included the initial major update of the Statewide ITS Architecture (SITSA) and seven RITSAs. Following the major update phase, periodic updates are executed to maintain the architecture content. The 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.

# Description of Changes

Five maintenance log items were addressed in the update. Table 1 provides descriptions for each change request that was implemented in the architecture update. A log reference number is provided for each change to related it to the Architecture Maintenance Log that is provided in Appendix A. Each architecture change that is received is added to the maintenance log for tracking and disposition.

Information about stakeholders, elements, and services is provided to summarize the changes. Some architecture components such as interfaces, roles and responsibilities, functional requirements and standards are numerous and can be reviewed on the architecture website or in the Regional Architecture Development for Intelligent Transportation (RAD-IT) software tool to explore the details of each project.

Table 1 ARCHITECTURE Updates

| **Change** | **Log Ref #** | **Actions Taken / Changes Implemented** |
| --- | --- | --- |
| Update Bay County Dupont Bridge RWIS Project status from “Planned” to “On-going” | 163 | Changed the status of the project, service packages, roles & responsibilities, functions, and flows to On-Going. The elements for this project were already “Existing”. Updated the appropriate diagrams and tables. |
| Update Bay County ITS Fiber Optic Expansion Project status from “Planned” to “On-going” | 164 | Changed the status of the project, service packages, functions, and flows to On-Going. The elements and roles & responsibilities for this project were already “Existing”. Updated the appropriate diagrams and tables. |
| Update Escambia County ATMS Phase II Project status from “Planned” to “On-going” | 165 | Changed the status of the project, elements, service packages, roles & responsibilities, functions, and flows to On-Going. Some of the elements and services for this project were already “Existing”. Updated the appropriate diagrams and tables. |
| Update FDOT District 2 and 3 Interconnection Project status from “Planned” to “Existing” | 166 | Changed the status of the project, elements, service packages, roles & responsibilities, functions, and flows to “Existing”. Updated the appropriate diagrams and tables. |
| Update FDOT District 3 Rural Signal Upgrades Project status from “Planned” to “On-going” | 167 | Changed the status of the project, elements, service packages, roles & responsibilities, functions, and flows to On-Going. Updated the appropriate diagrams and tables. |
| Update FDOT Smart Bay Project – Part 1 Project status from “Planned” to “On-going” | 168 | Changed the status of the project, elements, service packages, roles & responsibilities, functions, and flows to On-Going. Some of the elements for this project were already “Existing”. Updated the appropriate diagrams and tables. |
| Add project for 451524-1, EscaRosa TMC Project. Status is “On-going”. | 169 | Added new project architecture: Escambia-Santa Rosa EscaRosa Regional TMC Project with on-going status.   * Added Elements: County and City Public Information System, Escambia County Field Equipment, Escambia-Santa Rosa Regional ATMS, EscaRosa CAV Field Equipment, EscaRosa TMC, FDOT District 3 Chipley RTMC, Santa Rosa County Field Equipment, Vehicles * Added Services:   + TI01 Broadcast Traveler Information (Escambia-Santa Rosa EscaRosa Regional TMC)   + TM01 Infrastructure-Based Traffic Surveillance (Escambia-Santa Rosa EscaRosa Regional TMC)   + TM02 Vehicle-Based Traffic Surveillance (Escambia-Santa Rosa EscaRosa Regional TMC)   + TM03 Traffic Signal Control (Escambia-Santa Rosa EscaRosa Regional TMC)   + TM06 Traffic Information Dissemination (Escambia-Santa Rosa EscaRosa Regional TMC)   + TM07 Regional Traffic Management (Escambia-Santa Rosa EscaRosa Regional TMC)   + TM08 Traffic Incident Management System (Escambia-Santa Rosa EscaRosa Regional TMC)   + WX02 Weather Information Processing and Distribution (Escambia-Santa Rosa EscaRosa Regional TMC) * Added Interfaces. * Added Roles and Responsibilities.   + Updated status of all project stakeholder R&Rs to match project * Added Functional Requirements.   + Updated status of all project elements to match project and to be consistent with the region * Selected Communications Solutions. |
| Change all instances of “Escambia County Traffic Signal Operations Center (TSOC)” to “EscaRosa TMC”. Update data flows from Escambia-Santa Rosa Regional ATMS from planned to on-going. | 170 | Changed the name “Escambia County Traffic Signal Operations Center (TSOC)” to “EscaRosa TMC” that is reflected in the appropriate tables and diagrams. Updated the status for all flows from the Escambia-Santa Rosa Regional ATMS to “on-going”. |
| Update Walton County ATMS Project status from “Planned” to “On-going” | 171 | Changed the status of the project, elements, service packages, roles & responsibilities, functions, and flows to On-Going. Some of the elements for this project were already “Existing”. Updated the appropriate diagrams and tables. Fixed a typo in the description for the “Newspapers, Radio, Television Station Systems” element. |

Appendix A: Architecture Maintenance Log (District 7 RITSA)

The maintenance log in Table 2 provides the District 3 RITSA maintenance items considerations for the update.

Table 2 Architecture Maintenance Log (District 3 RITSA)

| **#** | **Date** | **Architecture** | **Source** | **Contact** | **Change** | **Disposition** | **Recommend Maintenance** | **Incorporated** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 163 | 6/29/2023 | D3 RITSA | Change Request Form: FDOT District 3, 6/29/2023 | Amy DiRusso / FDOT District 3 | Update Bay County Dupont Bridge RWIS Project status from “Planned” to “On-going” | update status for project | Yes | Yes |
| 164 | 6/29/2023 | D3 RITSA | Change Request Form: FDOT District 3, 6/29/2023 | Amy DiRusso / FDOT District 3 | Update Bay County ITS Fiber Optic Expansion Project status from “Planned” to “On-going” | update status for project | Yes | Yes |
| 165 | 6/29/2023 | D3 RITSA | Change Request Form: FDOT District 3, 6/29/2023 | Amy DiRusso / FDOT District 3 | Update Escambia County ATMS Phase II Project status from “Planned” to “On-going” | update status for project | Yes | Yes |
| 166 | 6/29/2023 | D3 RITSA | Change Request Form: FDOT District 3, 6/29/2023 | Amy DiRusso / FDOT District 3 | Update FDOT District 2 and 3 Interconnection Project status from “Planned” to “Existing” | update status for project | Yes | Yes |
| 167 | 6/29/2023 | D3 RITSA | Change Request Form: FDOT District 3, 6/29/2023 | Amy DiRusso / FDOT District 3 | Update FDOT District 3 Rural Signal Upgrades Project status from “Planned” to “On-going” | update status for project | Yes | Yes |
| 168 | 6/29/2023 | D3 RITSA | Change Request Form: FDOT District 3, 6/29/2023 | Amy DiRusso / FDOT District 3 | Update FDOT Smart Bay Project – Part 1 Project status from “Planned” to “On-going” | update status for project | Yes | Yes |
| 169 | 6/29/2023 | D3 RITSA | Change Request Form: FDOT District 3, 6/29/2023 | Amy DiRusso / FDOT District 3 | Add project for 451524-1, EscaRosa TMC Project. Status is “On-going”. | Add New project | Yes | Yes |
| 170 | 6/29/2023 | D3 RITSA | Change Request Form: FDOT District 3, 6/29/2023 | Amy DiRusso / FDOT District 3 | Change all instances of “Escambia County Traffic Signal Operations Center (TSOC)” to “EscaRosa TMC”. Update data flows from Escambia-Santa Rosa Regional ATMS from planned to on-going. | Update element description and stakeholder assignments. regenerate diagrams and verify. | Yes | Yes |
| 171 | 6/29/2023 | D3 RITSA | Change Request Form: FDOT District 3, 6/29/2023 | Amy DiRusso / FDOT District 3 | Update Walton County ATMS Project status from “Planned” to “On-going” | update status for project | Yes | Yes |