

SECTION 13595

ATMS INTEGRATION

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Integration of all appropriate ATMS devices, including successful completion and documentation of all field operational tests.
- B. Install and connect all incidental equipment as required for a complete and operational system.

1.2 RELATED SECTIONS

- A. Section 13551: General ATMS Requirements

1.3 SUBMITTALS

- A. In accordance with Section 13551.
- B. Test report for the Thirty-Day Burn-In Test.

PART 2 PRODUCTS Not used

PART 3 EXECUTION

3.1 ACCEPTANCE TESTING

- A. Provide a Completion Notice per Section 13551 once Local Field Operations Tests have been successfully completed on all devices. Notify the Engineer of readiness to begin the Integration Task.
- B. Integration requires the successful completion of a Thirty-Day Burn-In Test, consisting of the verification of valid data and control at the communications demarcation point for all devices. Obtain UDOT's newest version of the 30 Day ATMS Burn-in Test Report form from the UDOT Web site. Refer to <http://www.udot.utah.gov/index.php/m=c/tid=719>.

- C. Furnish all necessary test materials and cables and connectors to complete and test the integration of the ATMS device.
- D. Notify the Engineer at least five working days in advance of the proposed date upon which the Acceptance Tests will take place. Obtain UDOT's newest version of the 5-Day ATMS Testing Pre-Notification form from the UDOT Web site. Refer to <http://www.udot.utah.gov/index.php/m=c/tid=719>. The Engineer witnesses the Acceptance Tests or designates an individual or entity to witness the Acceptance Test on the Department's behalf.
- E. Once the Local Field Operations Test has been successfully completed on all sites, the Engineer may grant Partial Acceptance of the project. The Thirty-Day Burn-In period begins at this time. Begin the Thirty-Day Burn-In period for all ATMS devices of the same type on the same day.
- F. Operate the device on a daily basis during the Thirty-Day Burn-In period noting the results on the 30-Day Burn-in ATMS test form.
 - 1. Accomplished by Department staff along with the contractor.
 - 2. The Traffic Operations Center (TOC) staff may also help verify the daily equipment operation if at the time of testing, communications are consistently provided from the site to the TOC.
- G. Promptly remedy the defect in the event of a failure of Contractor furnished equipment or workmanship.
 - 1. Provide the Engineer with a Completion Notice.
 - 2. Restart the Thirty-Day Burn-In period re-starts for that device.
 - 3. The Engineer may identify an independent third party to specify what defects (if any) must be addressed in order for the work to meet the specifications in the event of a second failure at the same device.
 - a. At the Contractor's expense if defects are identified, otherwise Department covers the third party's costs.
 - 4. The Engineer may authorize others to complete the work at the Contractor's expense if the Contractor fails to remedy any identified deficiencies in the work within the time required by the Engineer.
- H. Troubleshoot all problems.
 - 1. Suspend the thirty-day test while the problem is corrected on state furnished item.
 - 2. Resume testing follow resolution.

- I. Engineer grants Final Acceptance after the Thirty-Day Burn-In period is complete and all required documentation has been received.

END OF SECTION