

**Legislative Finance Committee: IT Project Portfolio  
Supplemental Report**

LFC Meeting Date: September, 2016

**A. General Project Information**

1. Agency: Montana Department of Transportation (MDT)
2. Project Title: RSS Aerial Photography
3. Date Prepared: 9/7/2016
4. Prepared By: Aaron L. Dennis

**B. Project Status**

1. Overall Health: Yellow
  - a. Due to rebaseline of schedule.
  - b. Decision between STISD and ISD over data storage.
2. Brief description of current project status:

The aerial **camera** was installed in February and testing began to take place. Overall, the testing for the hardware associated has gone well. Additionally the software associated with the camera has been tested and works. The only item which remains is the Datum (calibration) issue. The vendor is working to resolve and has told MDT that the issue will be resolved by the end of September.

3. Cardinal Systems mapping software (**photogrammetry**) has been the issue. It appears they have overpromised and underdelivered. Currently, there are 35 open tickets to be completed prior to UAT sign-off. To thoroughly test the 3 projects identified for testing, it requires 600 hours per project. As of early September, the first project is 90% tested, while the remaining 2 projects have yet to begin, thus the need to re-baseline. The MDT business unit has been working daily with Cardinal Systems to test the software with the aerial photogrammetry workflow used at MDT. To date the first three pieces of the workflow are working with the remaining two requiring extensive testing.

## Workflow

Project set-up and management – Passed

Bridging – Passed

Mapping – Passed

CADD translations – Currently Testing

Ortho photo mosaics – Currently Testing

### 4. Aerial Camera Data Storage

The recent Executive Order to consolidate all IT infrastructure under DOA caused MDT ISD and ENG to take a different approach to where the data would be stored. Initially ENG had worked with ISD on a solution in which the data would be stored at MDT. However, with the recent Executive Decision, the storage site changed to the State Data Center. Additionally, with this change, MDT (ISD & ENG) needed to understand the costs and timeframe associated with this change. To date, the costs are understood, however MDT is still working with STISD on an agreed upon timeframe.

### C. Scope Changes

- a. None

### D. Issues and Risks

<b>Title &amp; Brief Description</b>	<b>Date Identified</b>	<b>Planned Resolution</b>	<b>Responsible for Resolution</b>
Datum Issue (Calibration)	June, 2016	Vendor has committed to resolve by end of September	Bryce Larson
Photogrammetry Software (Cardinal Systems)	May, 2016	Vendor has committed to resolve the remaining "punchlist"	Bryce Larson
Data Storage	May, 2016	MDT ISD working with STISD on completion date	John Levick