

Rapid Exploitation of Commercial Remotely Sensed Imagery for Disaster Response & Recovery

Principal Investigator: Jarlath O'Neil-Dunne
Program Manager: Caesar Singh

COOPERATIVE AGREEMENT
No. RITARS-12-H-UVM

Advisory Committee Meeting

June 12th, 2015



Table of Contents

Glossary.....	2
Meeting Details	3
Attendance.....	3
Discussion Items	4

Glossary

3D	Three Dimensional
AASHTO	American Association of State Highway Transportation Officials
CAD	Computer-Aided Design
CNL	Cognition Network Language
COA	Certificate of Authorization
CRS	Commercial Remote Sensing
DOT	Department of Transportation
FAA	Federal Aviation Administration
FEMA	Federal Emergency Management Agency
GIS	Geographic Information Systems
HDSS	Hazard Data Distribution System
ICS	Incident Command System
LiDAR	Light Detection and Ranging
NAIP	National Agricultural Imagery Program
NIMS	National Incident Management System
NOAA	National Oceanic and Atmospheric Administration
OBIA	Object-Based Image Analysis
OGC	Open Geospatial Consortium
PI	Principal Investigator
PM	Program Manager
RiP	Research in Progress database
RITA	Research and Innovative Technology Administration
SAFETEA-LU	Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users
SAL	Spatial Analysis Lab
SI	Spatial Information
TAC	Technical Advisory Committee
TRC	Transportation Research Center
UAV	Unmanned Aerial Vehicles
USDOT	United States Department of Transportation
USGS	United States Geological Survey
UVM	University of Vermont
VAOT	Vermont Agency of Transportation (also known as Vtrans)
Vtrans	Vermont Agency of Transportation (also known as VAOT)
XML	eXtensible Markup Language

Meeting Details

Date: June 12th, 2015

Time: 2:00pm, EST

Attendance

Project Team:

- Caesar Singh, Program Manager (PM), US DOT
- Austin Troy, PhD
- √ Jarlath O'Neil-Dunne, Faculty Research Associate and Director of the UVM SAL
- Sean MacFaden, Research Specialist at UVM SAL
- Ernest Buford, Research Specialist at UVM SAL
- Zack Borst, UVM TRC Outreach Manager
- √ Jacob Leopold, UVM TRC Business Manager

Technical Advisory Committee:

- Guy Rouelle, Aviation Program Administrator, VTrans
- Stephanie Magnan, Asset Management Specialist, VTrans
- Wayne Gammell, Maintenance Administrator, VTrans
- √ Johnathan Croft, GIS Database Administrator, VTrans
- Michele Boomhower, CCRPC Assistant/MPO Director
- Christopher Jolly, Planning & Programming Engineer, FHWA - VT Division
- Roger Thompson, ITS/Safety Engineer, FHWA - VT Division
- Charles Hebson, Manager of Surface Water Resources, Maine DOT
- √ Amanda Hanaway, Director of Engineering, Burlington International Airport

Discussion Items

1. **Introductions.** All meeting attendees introduced themselves. See attendance list above.
2. **Fill Calculations/Calibration of the System.** JOD explained how the project team has connected with VTrans to fly exit 10 of I-89 construction as further demonstration of the fill calculation system.
3. **Proposed future work.** The project team is reaching out to construction companies as much of VTrans development is actually performed by companies on retainer, making those companies the likeliest user of the Fill Calculation System. The project team also discussed areas with high-topographic relief and data considerations in the future, examples of past flights with such considerations include Mount Philo and Moneybrook sites.