

Vermont Center For Geographic Information (VCGI)

FY 2016 Capital Bill Request for Statewide Orthophotography

House Committee on Corrections and Institutions

David Brotzman – Executive Director

1/21/2015



Color

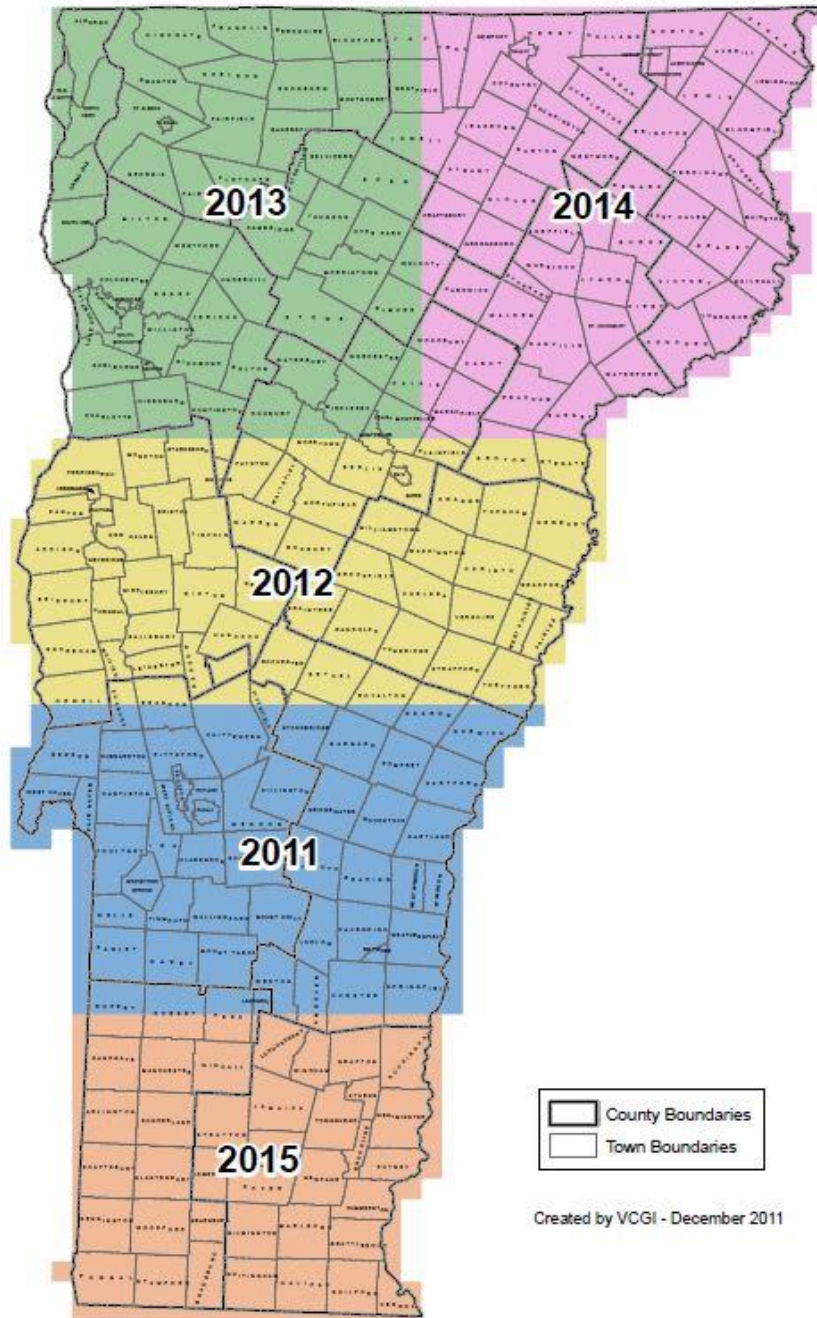


Infrared



Current Program

- VCGI Is Providing Digital Ortho Data (Compressed) To The Public On-Line For Free.
- Statewide Imagery (Uncompressed) Can Be Purchased On Hard Drive for \$150
- Current Statewide Product Specifications
 - Statewide Imagery is 50 centimeter (18 inches)
 - Fully Digital Process – Camera to Final Data.
 - Color, Infrared, and B&W Imagery
 - Accuracy Requirements of 1 Meter
 - RPCs, Towns and Agencies Have The Ability To Buy-Up
 - Buy Ups Not Flown Until Yearly Statewide Coverage Is Complete
- Survey support from VT Geodetic Survey



Orthos Schedule

- Spring 2014 Imagery Over Essex, Orleans and Caledonia Counties Is Being Distributed To RPCs, Towns, and Public
- Planning for Spring 2015 Flights Over Windham and Bennington already started - will end the 5 year acquisition cycle
- FY 16 funding starts a new cycle – Rutland and Windsor
- Upgrades for new cycle FY2016
 - Trying to upgrade to 30cm imagery (12 in)
 - Improved feature recognition – more uses/better accuracy
 - Standard of other states
 - Estimated Cost was \$175,000/year for 30cm
 - Capital Fund recommendation is \$125,000/year
 - Modest upgrades still possible

50cm – 30cm comparison





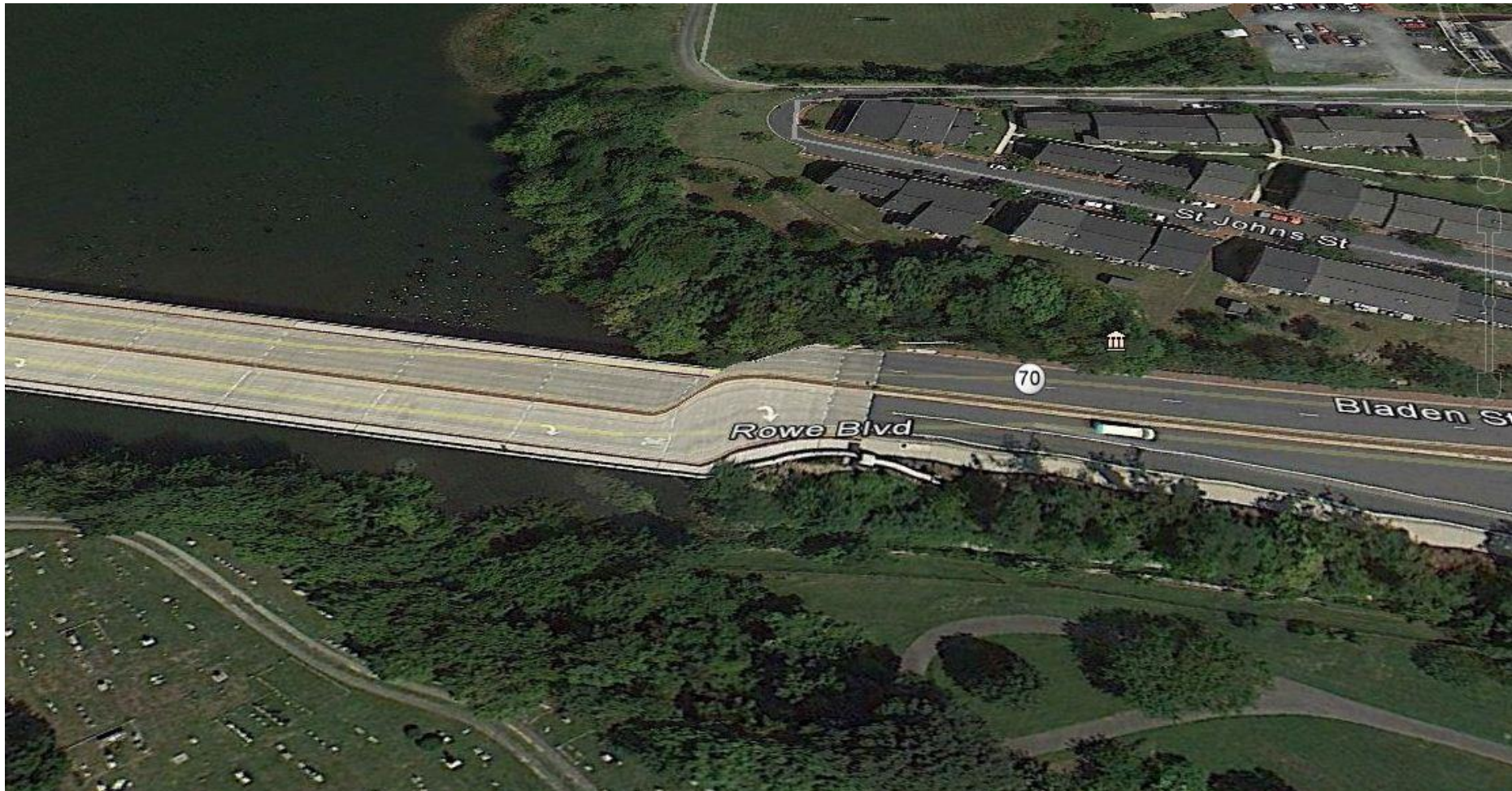
FY 2016 Ortho Program Summary

- Requesting \$125,000 To Continue the State's Yearly Orthophotography Acquisition for FY 2016
- Will allow strategic upgrades to current product
- Upgrades can be determined at contract negotiation
- Five years needed to cover the state
- FY 2016 Area of Acquisition – Rutland and Windsor
 - Infrared Imagery Will Be Included In The Delivery
 - Collection Is Always Weather Dependent
- Towns, RPCs Interested In A Buy-Up Should Contact VCGI
- VCGI is moving from a non-profit to ACCD!

Why Not Use Google – Bing?

- Less Accurate (State 1 meter vs. Bing ~6 meters)
- Flown When They Can – Always Leaves On Trees
- No Control Over Flights
 - Day/Time
 - Years Flown
- Acquisition Is Geared To Volume – National
 - Quality of Rectification Is Not As Good
- Google – Bing
 - Useful For Finding An Address, Business Or Road
 - Not Adequate For Engineering, Survey And Natural Resource Professionals

From Google Imagery



Thank You

Any Questions?