

## CCRPC ITS Architecture Update Workshop

November 6, 2014

- **VTrans looking at bluetooth solution but this is short-term**
  - Reduced power on bluetooth devices
  - DSRC will eventually replace with better signal and higher market penetration
  - Connected Vehicle Architecture is being developed for DSRC
- **Weather information is priority. RWIS are being updated to provide grip factor. Plan to start using "Deep Thunder" system with 2km grid weather forecasts.**
- Problem with video detection in some areas – loop detectors are more reliable
- **CCTA starting to work with IBI to develop technology plan**
- **Adaptive signal control corridors being implemented in Burlington area**
- **AVL on plow trucks - able to track, better manage dispatch and show location on website. Looking at mobile RWIS and implementation of Management Decision Support System (MDSS).**
- **RITIS being implemented in conjunction with ATMS. Will be available to local agencies.**
- **Permanent VMS being installed in Colchester and both directions in Williston**
- Currently using portable VMS
- **Plan for portable RWIS and WIMs**
- **Parking management plan is being developed for downtown. Looking at automated signs to guide drivers to available parking. Fixed wayfinding signs for parking and other major destinations are being considered as well.**
- Looking at electronic bicycle lockers at dispersed locations around the region

### Projects for architecture and strategic plan

- **Adaptive corridors with DSRC**
- **ATMS**
- **RITIS**
- **Permanent VMS**

- **Portable RWIS and WIMs**
- **Deep Thunder weather forecast system**
- **CCTA Transit ITS deployments**
- **Parking Management System**