

## **WSRTC incubator project ideas**

### Upcoming Year 2 Technology/Operations incubator project

- Bluetooth and other passive ID technologies for weather-related rural travel times
  - Feasibility and general approaches for providing point to point travel time for rural areas
  - Determining travel times with Bluetooth technology

### Current incubator project ideas

- Research availability, applicability, and usability of a portable CCTV system
- Research availability and applicability of new technologies to provide rural access nodes for ITS elements where wired power and communications do not already exist.
- 700MHz medium speed (32 to 64K) data communications, and supporting IP microwave infrastructure.
- Improving ITS procurement
- Wrong Way Vehicle and Queue Detection at on/off ramps
- Re ID with Sensys Networks systems for Arterial Travel Times
- Radar curve speed warning systems
- Mobile cameras on Incident Response Trucks for improved TMC operations
- Photo speed enforcement in work zones
- Solar powered and LED illumination for rural applications
- LIDAR for accident reconstruction
- Obtain current state of practice on oversize vehicle detection and warning
- MDSS survey to develop more consistent winter operations across a defined WSRTC region.
- *Unmanned Aerial Vehicles (UAVs) for rural transportation applications - Presently being pursued by a pooled fund study led by WSDOT*

**If you have an idea for an incubator project you would like to add to this list for discussion and consideration, please send it to David Veneziano via email at [david.veneziano@coe.montana.edu](mailto:david.veneziano@coe.montana.edu)**