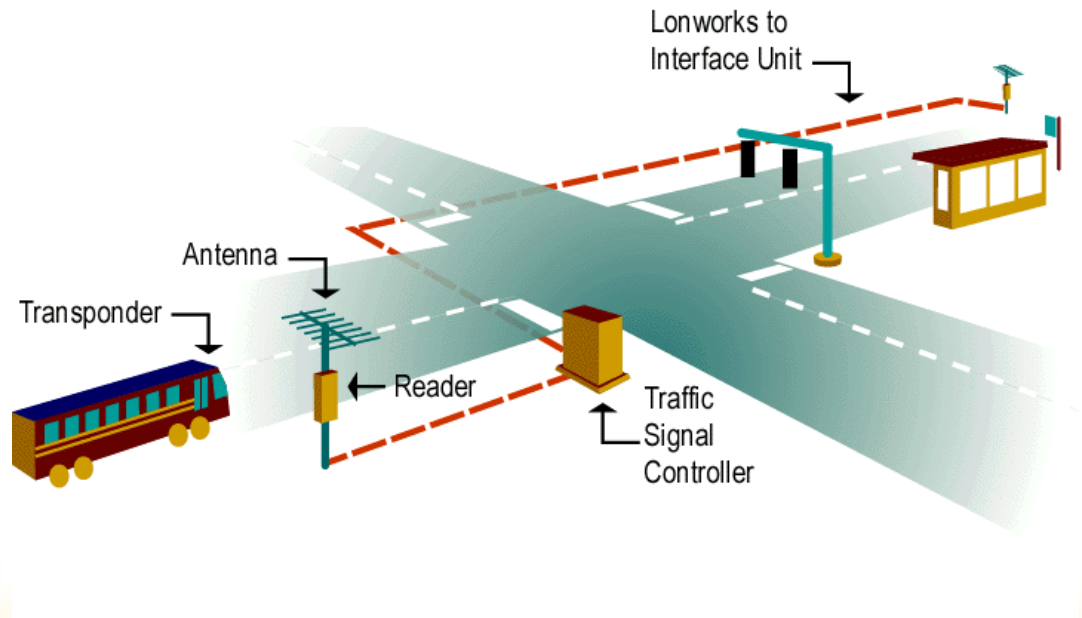


Transit Signal Priority Program Timeline, cont'd

- 2002 – Final acceptance & Aurora Ave. evaluation
- 2002 – Software Updates contract
- 2003 – Smart Bus demonstration
- 2004 – Reengineering concept development and research
- 2006 – Peer Visit to LA
- 2007 – OBS contract signed, *RapidRide* (BRT) program begun
- 2010 – First *RapidRide* corridor in service

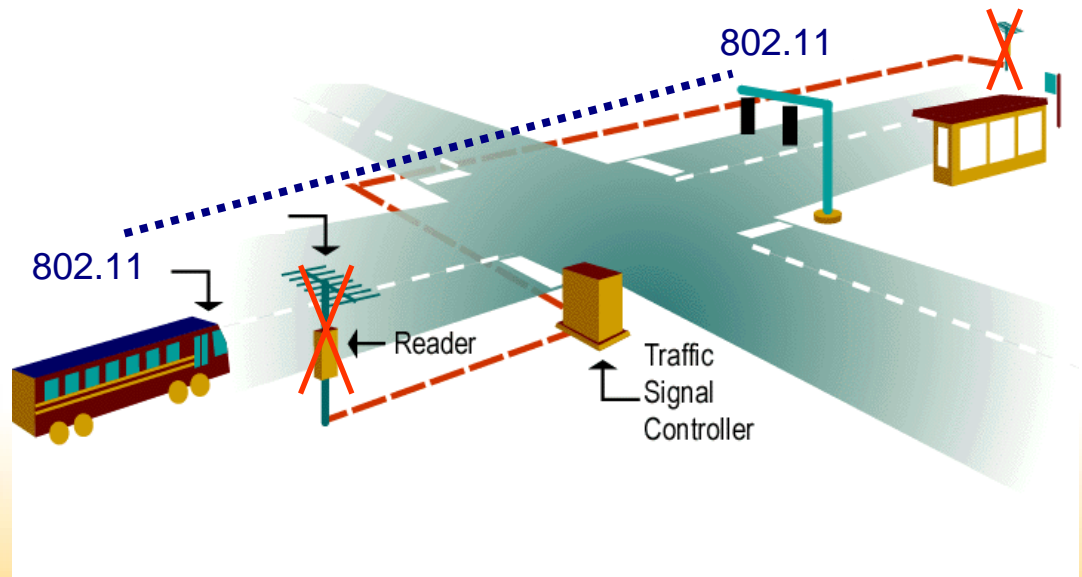
Existing King County TSP System

- Detection
 - RF Tag Reader
- Request
 - TPRG in signal cabinet
 - Conditional priority



TSP System Reengineering Concept

- Communication using Wi-Fi Technology
- Location using GPS
- Eliminate costly reader
- Improve system flexibility



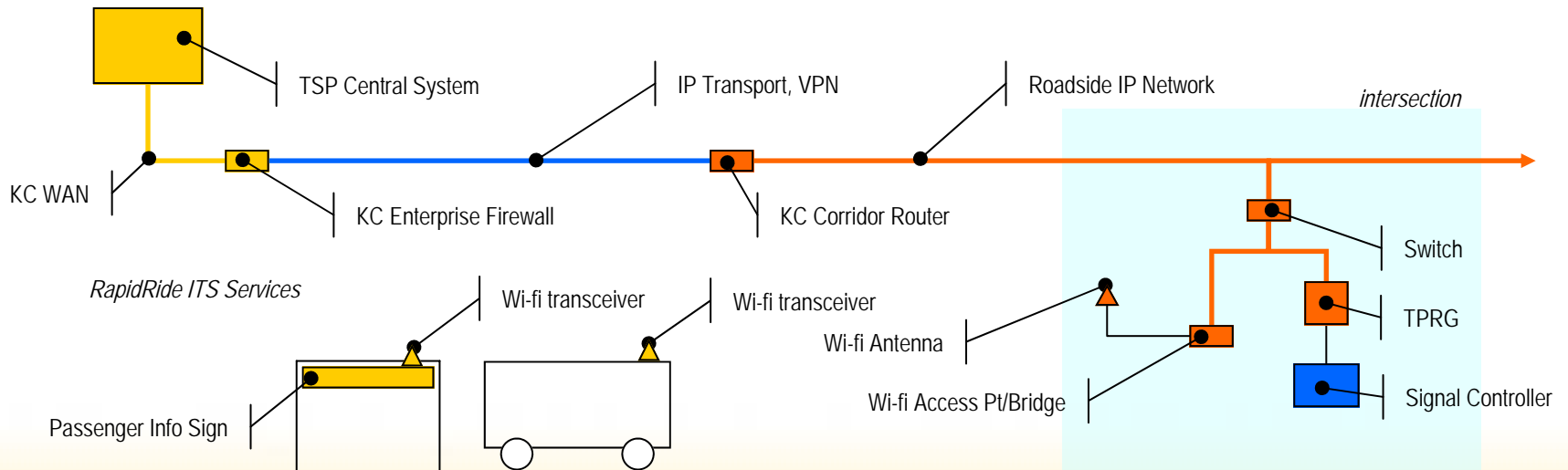
LA Peer Visit Key Findings

- 802.11 WiFi appropriate for vehicle-to-
roadside communications
- Latency issues are resolvable
- Communication Network O&M access will be
critical

- ❖ The network can be more than just a
detection system

RapidRide ITS Architecture

RapidRide ITS Architecture, with separate physical roadside interconnect



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