



Open Data/Open Source Panel and Discussion

Mobility Program Workshop
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Purpose of Panel

- a. **Introduction – Definitions of Open Data/Open Source**
Randy Butler, RITA (10 min)
- b. **Open Data/Open Source Research Initiatives at Federal Level:**
 - Open Data in the *Clarus* Program
Paul Pisano, FHWA Office of Operations (15 min)
 - Open Source Development for TRANSIMS
Brian Gardner, FHWA Office of Planning (15 min)
- c. **Open Data/Open Source Implementation Initiatives at Local Level:**
 - TriMet's Experience with Open Source Software Implementations, Open Source Software Development, and Open Data
Bibiana McHugh, Tri-Met (25 min)
- d. **Tools and Guidance for IntelliDrive Mobility:**
 - IntelliDrive Open Source Mobility Applications Development Portal and Test Data Environment(s)
Randy Butler, FHWA Office of Operations (20 min)

Definition of Open Data/Open Source

Formal Definitions:

- **Open Data:**

Data and metadata are free and available for use without restriction; data are re-usable without requiring further permission.

- **Open Source:**

A method for collaborative development of software through peer input, review, and transparency. Methods, algorithms, and source code will be made available by participants to all.

In the Context of IntelliDrive Mobility:

Provide a Web location for broad sharing of multi-source and multi-modal IntelliDrive data and source code while adhering to open source and detailed governance rules that protect the integrity, privacy, and quality of the data.

Definition of Open Data/Open Source

Why? *Philosophy: Gather once, reuse many times*

- Cost savings
- Better quality, higher reliability, more flexibility, lower cost.
- Open systems vs. proprietary systems

How?

- Use of Open Source Licenses – Granting rights in support of a balance between collaboration and commercialization
- Acquisitions – Identifying requirements and restrictions/limitations in contract language
- Use of ITS Standards