

Breakout Session 1

Group A

Addressing ITS Data Needs
through the INFOstructure

Who Are the Stakeholders and What are Their Roles?

- **Government: Federal, State, Local**
 - Leadership (FHWA? Others? USDOT?)
 - Partnership/Facilitator actively managed by a consortium of “associations.”
 - Who has been doing this stuff so far. Look at those models. Existing use of archived data. (Don’t use a model that would cause folks to stop and wait). California was raised as an example. Many existing stuff.
 - Need leadership on “port” roles.
 - Do Feds come up with a one size fits all?
 - Feds could identify commonly held principals, standards that could be applied by many others. Tool Kit/Set.
 - Feds as convener of groups to foster collaboration.
 - Standardization (Protocols?) & Uniformity key, effort could be led by any appropriate group, (Internet as an example)
- **Agencies: Transportation, Homeland Security, Public Safety**
 - State DOT could be leader. One that has large existing systems could be role model?
- **Political leaders**
 - Champions (they need answers to the Why questions)
 - Public Safety??
 - Turn-over issues (short sighted planning horizon)

Stakeholders / Roles (2)

- Vehicle manufacturers and suppliers
 - Technology in vehicles
 - PR on stuff to sell?
 - Information providers? (but maybe not to others)
 - Telematics (not information from roadside)
 - Fleet management (probes)
 - Crash/incident notification
 - Application service provider?
- Information technology / service providers
 - Supply base data
 - Combine data from many sources
 - Information dissemination
 - GASB 34 issues (where does this fit)
 - VAR

Stakeholders / Roles (3)

- Associations and standards organizations
- Manufacturers/Industries/Logistics/Shippers
 - System users that have needs
- Academia/Researchers
- Media
 - Advocacy
- FEMA
 - Emergency management
- Travel Agencies
 - Routing information, trip planning
 - AAA

What BENEFITS would the INFOstructure Bring to the ~~Public~~ Customer?

- Safety (traveler) (life saving)
- Recover loss of roadway capacity
- Quickest way to point (emergency folks)
- Efficient event management (system operator)
Events both planned and disasters
- Understanding and tools for understanding data collected. (agencies)
- Gain market share. Profit
- Security

What Information is Needed to Support Transportation Activities

Like: Analysis; Research; Planning; Design; Operations; Maintenance; Incident and emergency preparedness/prevention/protection/ response/recovery

- Real time
- Keep data/information as raw as possible
- Speed, volumes, location
- Incident location severity
- Visual information
- System condition information (construction, equipment)
- Planning information
- Equipment/infrastructure/personnel locations (resource management)
- Information accuracy
- Weather
- Motorist facilities/services

What Data is Needed to Build this Information?

- What data should the INFOstructure provide?
 - Addresses, Street Names, Street Geometry, Ramps, Flow direction (needed to refine maps)
 - Construction information
 - Low and Narrow spots for permits (oversize trucks) weight restrictions
 - Counts Delays stops speeds (performance measures, time series data)
 - Incidents
 - Classification
 - O/D data (real time and historical)
 - Dynamic characteristics
 - Weigh in motion (truck weights)
 - Land Use
 - Travel Times (real time Historical)
 - Facility locations
 - Resources, people, equipment, materials etc.
 - Infrastructure condition
 - Who is doing what? (can we reduce redundancy?)
 - Who is responsible for what?
 - Killer App?
 - How to sell it!

How Can the INFOstructure Help Address Homeland Security Issues?

- This may be one Killer App?
- Can give the situation managers (public too) information.
- Forming partnerships
- Redundancy
- Communications backbone/facilities
- Funding?
- Multimodal support
- Locations of stuff (types of stuff too)
- Electronic credentialing
- **Protect the infrastructure**